

# HEVAC (Ireland): Riello Burner Matching Schedule

Date: July 2014  
Version: 4.2




Riello Limited



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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 1R Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

1R4	39	0.10	87.7	45	4.6	R40 GS5	MBC65 DLE 3/8"	8.0	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0569
1R5	52	0.15	88.0	59	6.1	R40 GS10	MBDLE 405 0.5"	6.9	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530
1R6	65	0.20	88.3	73	7.6	R40 GS10	MBDLE 405 0.5"	9.0	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530
1R7	74	0.16	89.0	83	8.6	R40 GS10	MBDLE 407 0.75"	8.5	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0531
1R8	84	0.22	89.6	94	9.7	R40 GS10	MBDLE 407 0.75"	9.7	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0531
1R9	93	0.30	90.2	103	10.7	R40 GS10	MBDLE 407 0.75"	10.7	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0531

**Note:** Riello R40 GS.. Series burners supplied with Wieland plug connectors as standard

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## Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 2R Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

2R6	101	0.10	88.6	114	11.7	R40 GS10	MBDLE 407 0.75"	11.7	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0531
2R7	124	0.15	89.0	139	14.4	R40 GS20	MBDLE 407 0.75"	13.4	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
2R8	147	0.22	89.3	165	17.0	R40 GS20	MBDLE 407 0.75"	16.6	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
2R9	165	0.29	89.7	184	19.0	R40 GS20	MBDLE 410 1.0"	12.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
2R10	180	0.24	90.0	200	20.7	R40 GS20	MBDLE 410 1.0"	14.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
2R11	198	0.37	90.0	220	22.7	R40 GS20	MBDLE 410 1.0"	16.1	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
2R12	213	0.39	90.0	237	24.5	RS34/1 MZ	MBDLE 412 1.25"	15.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
2R13	230	0.42	90.0	256	26.5	RS34/1 MZ	MBDLE 412 1.25"	16.7	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
2R14	249	0.49	90.0	276	28.6	RS34/1 MZ	MBDLE 412 1.25"	17.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
2R15	267	0.50	90.0	297	30.7	RS34/1 MZ	MBDLE 415 1.5"	15.1	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0232

Riello R40 GS..D & RS.. 2 Stage (High/Low) Operation

2R6 GT	101	0.10	88.6	114	11.7	R40 GS20D	MBZRDLE 407 0.75"	9.4	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
2R7 GT	124	0.15	89.0	139	14.4	R40 GS20D	MBZRDLE 407 0.75"	11.9	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
2R8 GT	147	0.22	89.3	165	17.0	R40 GS20D	MBZRDLE 407 0.75"	14.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
2R9 GT	165	0.29	89.7	184	19.0	R40 GS20D	MBZRDLE 410 1.0"	10.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
2R10 GT	180	0.24	90.0	200	20.7	R40 GS20D	MBZRDLE 410 1.0"	12.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
2R11 GT	198	0.37	90.0	220	22.7	R40 GS20D	MBZRDLE 410 1.0"	13.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
2R12 GT	213	0.39	90.0	237	24.5	RS34 MZ	MBDLE 412 1.25"	9.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
2R13 GT	230	0.42	90.0	256	26.5	RS34 MZ	MBDLE 412 1.25"	11.1	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
2R14 GT	249	0.49	90.0	276	28.6	RS34 MZ	MBDLE 412 1.25"	13.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
2R15 GT	267	0.50	90.0	297	30.7	RS34 MZ	MBDLE 412 1.25"	15.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME AR-ARB Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

AR3	19	0.10	87.9	22	2.2	R40 GS3	MBC65 DLE 3/8"	4.8	Std 100	95	55	230V/1Ph/50Hz	Yes	3755119.0569
AR/ARB4	29	0.12	88.0	33	3.5	R40 GS3	MBC65 DLE 3/8"	7.6	Std 100	95	55	230V/1Ph/50Hz	Yes	3755119.0569
AR/ARB5	40	0.16	88.1	45	4.7	R40 GS5	MBDLE 405 0.5"	6.3	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530

**Note:** Riello R40 GS.. Series burners supplied with Wieland plug connectors as standard

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### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR2 Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

22	22	0.1	91.0	24	2.5	R40 GS5	MBC65 DLE 3/8"	4.3	Std 100	100	58	230V/1Ph/50Hz	Yes	3755216.0569
27	27	0.2	91.0	30	3.1	R40 GS5	MBC65 DLE 3/8"	5.2	Std 100	100	58	230V/1Ph/50Hz	Yes	3755216.0569
35	35	0.1	91.0	38	4.0	R40 GS5	MBC65 DLE 3/8"	6.9	Std 100	100	58	230V/1Ph/50Hz	Yes	3755216.0569
42	42	0.2	91.0	46	4.8	R40 GS5	MBDLE 405 0.5"	6.3	Std 100	100	58	230V/1Ph/50Hz	Yes	3755216.0530
55	55	0.2	91.0	60	6.3	R40 GS10	MBDLE 405 0.5"	6.8	Std 110	100	65	230V/1Ph/50Hz	Yes	3755417.0530
70	69	0.3	91.0	76	7.8	R40 GS10	MBDLE 405 0.5"	9.3	Std 110	100	65	230V/1Ph/50Hz	Yes	3755417.0530

Riello R40 GS..D 2 Stage (High/Low) Operation

55	55	0.2	91.0	60	6.3	R40 GS10D	MBZRDLE 405 0.5"	6.2	Std 110	100	72	230V/1Ph/50Hz	Yes	3757613.0084
70	69	0.3	91.0	76	7.8	R40 GS10D	MBZRDLE 405 0.5"	8.3	Std 110	100	72	230V/1Ph/50Hz	Yes	3757613.0084

**Note:** Riello R40 GS.. Series burners supplied with Wieland plug connectors as standard

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### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR3 Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

4	90	0.3	91.0	99	10.2	R40 GS10	MBDLE 407 0.75"	13.5	Ext 170	100	65	230V/1Ph/50Hz	Yes	3755426.0531
5	130	0.5	91.0	143	14.8	R40 GS20	MBDLE 407 0.75"	14.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
6	170	1.0	91.0	187	19.3	R40 GS20	MBDLE 410 1.0"	13.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
7	210	1.0	91.0	231	23.9	RS34/1 MZ	MBDLE 412 1.25"	15.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
8	250	2.1	91.0	275	28.4	RS34/1 MZ	MBDLE 415 1.5"	15.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0232
9	290	2.4	91.0	319	33.0	RS44/1 MZ	MBDLE 415 1.5"	14.7	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788610.0232

Riello R40 GS..D & RS.. 2 Stage (High/Low) Operation

4	90	0.3	91.0	99	10.2	R40 GS10D	MBZRDLE 407 0.75"	12.8	Ext 170	100	65	230V/1Ph/50Hz	Yes	3757615.0537
5	130	0.5	91.0	143	14.8	R40 GS20D	MBZRDLE 407 0.75"	12.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
6	170	1.0	91.0	187	19.3	R40 GS20D	MBZRDLE 410 1.0"	18.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
7	210	1.0	91.0	231	23.9	RS34 MZ	MBDLE 412 1.25"	9.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
8	250	2.1	91.0	275	28.4	RS34 MZ	MBDLE 412 1.25"	14.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
9	290	2.4	91.0	319	33.0	RS34 MZ	MBDLE 415 1.5"	12.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0232

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard

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### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR3 Boiler

Riello R40 GS../M & RS../M Modulating Operation

4	90	0.3	91.0	99	10.2	R40 GS10/M	MBVEF 407 0.75"	7.3	Std 128	100	65	230V/1Ph/50Hz	Yes	3755556.0535
5	130	0.5	91.0	143	14.8	R40 GS20/M	MBVEF 407 0.75"	9.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
6	170	1.0	91.0	187	19.3	R40 GS20/M	MBVEF 407 0.75"	14.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
7	210	1.0	91.0	231	23.9	RS34/M MZ	MBDLE 412 1.25"	9.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
8	250	2.1	91.0	275	28.4	RS34/M MZ	MBDLE 412 1.25"	14.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
9	290	2.4	91.0	319	33.0	RS34/M MZ	MBDLE 415 1.5"	12.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0232

- Note:** Riello R40 GS../M & RS../M MZ Series burners supplied with Wieland plug connectors as standard
- R40 GS../M  
To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110)  
ADD 'M' to code No.
  - RS../M MZ  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'S' to code No.
  - All burners  
To include the Riello Signal Converter (3006165 - and bracket (3006163) ), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application



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Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RS.. 2 Stage (High/Low) Operation

409	320	1.5	91.0	352	36.4	RS34 MZ	MBDLE 415 1.5"	15.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0232
410	380	2.1	91.0	418	43.2	RS44 MZ 1ph	MBDLE 415 1.5"	15.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789110.0232
410	380	2.1	91.0	418	43.2	RS44 MZ 3ph	MBDLE 415 1.5"	15.5	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3789140.0232
411	440	2.2	91.0	484	50.0	RS44 MZ 1ph	MBDLE 420 2.0"	16.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789110.0233
411	440	2.2	91.0	484	50.0	RS44 MZ 3ph	MBDLE 420 2.0"	16.5	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3789140.0233
412	500	2.8	91.0	549	56.8	RS50	MBDLE 420 2.0"	17.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233
413	560	3.3	91.0	615	53.6	RS70	MBDLE 420 2.0"	18.0	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0233
414	620	3.3	91.0	681	70.4	RS70	MBC1200 SE 2.0"	16.3	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
415	680	4.5	91.0	747	77.2	RS70	MBC1200 SE 2.0"	19.2	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
416	740	5.0	91.0	813	84.0	RS100	MBC1200 SE 2.0"	17.1	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
417	800	6.0	91.0	879	91.0	RS100	MBC1200 SE 2.0"	18.6	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221

**Note:** Riello RS.. Series burner supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

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### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RS../M Modulating Operation

409	320	1.5	91.0	352	36.4	RS34/M MZ	MBDLE 415 1.5"	15.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
410	380	2.1	91.0	418	43.2	RS44/M MZ 1ph	MBDLE 415 1.5"	15.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788810.0232
410	380	2.1	91.0	418	43.2	RS44/M MZ 3ph	MBDLE 415 1.5"	15.5	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3788840.0232
411	440	2.2	91.0	484	50.0	RS44/M MZ 1ph	MBDLE 420 2.0"	16.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788810.0233
411	440	2.2	91.0	484	50.0	RS44/M MZ 3ph	MBDLE 420 2.0"	16.5	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3788840.0233
412	500	2.8	91.0	549	56.8	RS50/M	MBDLE 420 2.0"	17.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0233
413	560	3.3	91.0	615	53.6	RS70/M	MBDLE 420 2.0"	17.3	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0233
414	620	3.3	91.0	681	70.4	RS70/M	MBC1200 SE 2.0"	16.3	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
415	680	4.5	91.0	747	77.2	RS70/M	MBC1200 SE 2.0"	19.2	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
416	740	5.0	91.0	813	84.0	RS100/M	MBC1200 SE 2.0"	17.1	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
417	800	6.0	91.0	879	91.0	RS100/M	MBC1200 SE 2.0"	18.6	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221

- Note:** Riello RS../M MZ & RS50/M Series burners supplied with Wieland plug connectors as standard  
 Riello RS70/M & 100/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)
- RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110) ADD £ 390.28 per burner to the above modulating schedule price and ADD 'S' to code No.
  - RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD £ 390.28 per burner to the above modulating schedule price and ADD 'S' to code No.
  - RS70/M & 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110) ADD £ 390.28 per burner to the above modulating schedule price and ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ), for operation from a 0-10V BMS signal ADD £ 259.38 per burner to the above modulating schedule price and ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

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Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### Arizona Evolution 1

Riello R40 GS.. 1 Stage (On/Off) Operation

99	99	0.57	92.6	107	11.1	R40 GS20	MBDLE 407 0.75"	10.1	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
115	115	0.74	92.6	124	12.8	R40 GS20	MBDLE 407 0.75"	12.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
145	145	0.92	92.7	156	16.2	R40 GS20	MBDLE 407 0.75"	16.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
175	175	1.10	92.7	189	19.5	R40 GS20	MBDLE 410 1.0"	13.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
232	238	1.45	92.8	256	26.5	RS34/1 MZ	MBDLE 412 1.25"	17.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
290	297	1.80	92.9	320	33.0	RS44/1 MZ	MBDLE 415 1.5"	14.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788610.0232

Riello R40 GS..D & RS.. 2 Stage (High/Low) Operation

99	99	0.57	92.6	107	11.1	R40 GS20D	MBZRDLE 407 0.75"	9.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
115	115	0.74	92.6	124	12.8	R40 GS20D	MBZRDLE 407 0.75"	11.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
145	145	0.92	92.7	156	16.2	R40 GS20D	MBZRDLE 407 0.75"	14.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
175	175	1.10	92.7	189	19.5	R40 GS20D	MBZRDLE 410 1.0"	12.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
232	238	1.45	92.8	256	26.5	RS34 MZ	MBDLE 412 1.25"	17.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
290	297	1.80	92.9	320	33.0	RS34 MZ	MBDLE 415 1.5"	18.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0232

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 1

Riello R40 GS../M & RS../M Modulating Operation

99	99	0.57	92.6	107	11.1	R40 GS20/M	MBVEF 407 0.75"	7.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
115	115	0.74	92.6	124	12.8	R40 GS20/M	MBVEF 407 0.75"	8.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
145	145	0.92	92.7	156	16.2	R40 GS20/M	MBVEF 407 0.75"	11.6	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
175	175	1.10	92.7	189	19.5	RS34/M MZ	MBDLE 412 1.25"	9.6	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
232	238	1.45	92.8	256	26.5	RS34/M MZ	MBDLE 412 1.25"	17.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
290	297	1.80	92.9	320	33.0	RS34/M MZ	MBDLE 415 1.5"	18.5	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231

- Note:** Riello R40 GS../M & RS../M MZ Series burners supplied with Wieland plug connectors as standard
- R40 GS../M  
To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110)  
ADD 'M' to code No.
  - RS../M MZ  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'S' to code No.
  - All burners  
To include the Riello Signal Converter (3006165 - and bracket (3006163) ), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2 C

Riello RS.. 2 Stage (High/Low) Operation

348	354	2.16	93.1	380	39.3	RS44 MZ 1ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789110.0232	
348	354	2.16	93.1	380	39.3	RS44 MZ 3ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3789140.0232	
465	475	2.7	93.4	509	52.6	RS50	MBDLE 420 2.0"	15.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233	
580	591	2.9	93.4	633	65.4	RS70	MBDLE 420 2.0"	18.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0233	
700	707	3.0	93.4	757	78.3	RS70	MBC1200 SE 2.0"	18.0	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221	
815	822	3.2	93.4	880	91.0	RS100	MBC1200 SE 2.0"	15.5	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221	
930	940	3.4	93.4	1006	104.1	RS100	MBC1200 SE 2.0"	18.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221	
1210	1210	5.0	91.6	1321	136.6	RS130	MBDLE 420 2.0" VP	41.6**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in RED

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2 C

Riello RS../M Modulating Operation

348	354	2.16	93.1	380	39.3	RS44/M MZ 1ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788810.0232	
348	354	2.16	93.1	380	39.3	RS44/M MZ 3ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3788840.0232	
465	475	2.7	93.4	509	52.6	RS50/M	MBDLE 420 2.0"	15.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0233	
580	591	2.9	93.4	633	65.4	RS70/M	MBDLE 420 2.0"	18.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0233	
700	707	3.0	93.4	757	78.3	RS70/M	MBC1200 SE 2.0"	18.0	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221	
815	822	3.2	93.4	880	91.0	RS100/M	MBC1200 SE 2.0"	15.5	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221	
930	940	3.4	93.4	1006	104.1	RS100/M	MBC1200 SE 2.0"	18.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221	
1210	1210	5.0	91.6	1321	136.6	RS130/M	MBDLE 420 2.0" VP	41.6**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

- Note:** Riello RS../M MZ & RS50/M Series burners supplied with Wieland plug connectors as standard  
 Riello RS70/M - 130/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)
- RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'S' to code No.
  - RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'S' to code No.
  - RS70/M - 130/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2

Riello RS.. 2 Stage (High/Low) Operation & RS../M - GAS..P/M Modulating Operation

1320	1320	6.0	91.6	1450	150.0	RS190	MBDLE 420 2" OF VP	45.5**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0234
1570	1570	4.9	91.6	1725	178.3	RS190	MBC1200 SE CT 2.0"	33.8**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0225
1850	1850	6.8	91.6	2033	210.2	RS190	MBC1200 SE CT 2.0"	43.9**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0225
2200	2200	5.2	91.7	2418	250.0	RS250/M	MBC1200 SE CT 2.0"	62.2***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0225
2650	2650	7.6	91.7	2912	301.1	GAS 9 P/M	MBC1200 SE 2.5" CT	62.7***	Std 444	150	89.4	400V/3Ph/50Hz	Yes	3754037.0225
3000	3000	8.5	91.5	3297	341.0	GAS 10 P/M	MBC3100 SE 3.0" CT	55.7***	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0227
3500	3500	7.8	91.5	3846	398.0	GAS 10 P/M	MBC1900 SE 2.5" CT	87.4****	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0226
								**	Booster Model RB200 including Kit			400V/3Ph/50Hz	N/A	3000200 + 201
								***	Booster Model RB300 including Kit			400V/3Ph/50Hz	N/A	3000300 + 301
								****	Booster Model RB400 including Kit			400V/3Ph/50Hz	N/A	3000400 + 401

**Note:** Riello RS.. Series burner supplied with Wieland plug connectors as standard  
 Riello RS../M & GAS..P/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if no modulation control ordered)

**For Riello RS../M & GAS..P/M Series burner to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS../M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'M' to code No.
- GAS..P/M To include the Riello 'RWF40' modulating controller (3010210) and temperature sensor (3010110)  
ADD 'M' to code No.
- GAS..P/M & RS../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2

Riello RS../M & GAS../P/M Modulating Operation

1320	1320	6.0	91.6	1450	150.0	RS190/M	MBDLE 420 2.0" VP	45.5 **	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234	
1570	1570	4.9	91.6	1725	178.3	RS190/M	MBC1200 SE CT 2.0"	33.8**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0225	
1850	1850	6.8	91.6	2033	210.2	RS190/M	MBC1200 SE CT 2.0"	43.9**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0225	
2200	2200	5.2	91.7	2418	250.0	RS250/M	MBC1200 SE CT 2.0"	62.2***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0225	
2650	2650	7.6	91.7	2912	301.1	GAS 9 P/M	MBC1200 SE 2.5" CT	62.7***	Std 444	150	89.4	400V/3Ph/50Hz	Yes	3754037.0225	
3000	3000	8.5	91.5	3297	341.0	GAS 10 P/M	MBC3100 SE 3.0" CT	55.7***	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0227	
3500	3500	7.8	91.5	3846	398.0	GAS 10 P/M	MBC1900 SE 2.5" CT	87.4****	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0226	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301
												**** Booster Model RB400 including Kit	400V/3Ph/50Hz	N/A	3000400 + 401

**Note:** Riello RS../M & GAS../P/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if no modulation control ordered)

- RS../M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'M' to code No.
- GAS../P/M To include the Riello 'RWF40' modulating controller (3010210) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C Boiler

Riello R40 GS.. 1 Stage (On/Off) Operation

90	90	0.23	91.8	98.0	10.1	R40 GS10	MBDLE 407 0.75"	10.1	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0531
120	120	0.39	91.7	130.9	13.5	R40 GS20	MBDLE 407 0.75"	12.6	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
150	150	0.58	91.7	163.6	16.9	R40 GS20	MBDLE 407 0.75"	16.9	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
180	180	0.80	91.9	195.9	20.3	R40 GS20	MBDLE 410 1.0"	14.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
240	240	1.16	92.3	260.0	26.9	RS34/1 MZ	MBDLE 412 1.25"	17.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0231
300	300	1.25	92.6	324.0	33.5	RS44/1 MZ	MBDLE 415 1.5"	14.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788610.0232

**Note:** Riello R40 GS.. Series burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C

Riello R40 GS..D & RS.. 2 Stage (High/Low) Operation

90	90	0.23	91.8	98.0	10.1	R40 GS10D	MBZRDLE 407 0.75"	9.4	Std 110	100	65	230V/1Ph/50Hz	Yes	3757615.0537
120	120	0.39	91.7	130.9	13.5	R40 GS20D	MBZRDLE 407 0.75"	11.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
150	150	0.58	91.7	163.6	16.9	R40 GS20D	MBZRDLE 407 0.75"	15.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
180	180	0.80	91.9	195.9	20.3	R40 GS20D	MBZRDLE 410 1.0"	12.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
240	240	1.16	92.3	260.0	26.9	RS34 MZ	MBDLE 412 1.25"	17.7	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
300	300	1.25	92.6	324.0	33.5	RS34 MZ	MBDLE 415 1.5"	18.4	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0232
400	400	1.40	92.4	432.9	44.8	RS44 MZ 1ph	MBDLE 420 2.0"	19.0	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789110.0233
400	400	1.40	92.4	432.9	44.8	RS44 MZ 3ph	MBDLE 420 2.0"	19.0	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3789140.0233
500	500	2.48	92.3	541.7	56.0	RS50	MBDLE 420 2.0"	16.9	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233
600	600	2.98	92.4	649.4	67.2	RS70	MBC1200 SE 2.0"	15.1	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
750	750	4.74	95.2	787.8	81.5	RS100	MBC1200 SE 2.0"	15.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221

**Note:** Riello R40 GS..D & RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C

Riello R40 GS../M & RS../M Modulating Operation

90	90	0.23	91.8	98.0	10.1	R40 GS10/M	MBVEF 407 0.75"	6.4	Std 128	100	65	230V/1Ph/50Hz	Yes	3755556.0535
120	120	0.39	91.7	130.9	13.5	R40 GS20/M	MBVEF 407 0.75"	8.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
150	150	0.58	91.7	163.6	16.9	R40 GS20/M	MBVEF 407 0.75"	12.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
180	180	0.80	91.9	195.9	20.3	RS34/M MZ	MBDLE 412 1.25"	9.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
240	240	1.16	92.3	260.0	26.9	RS34/M MZ	MBDLE 412 1.25"	17.7	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
300	300	1.25	92.6	324.0	33.5	RS34/M MZ	MBDLE 415 1.5"	18.4	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
400	400	1.4	92.4	433	44.8	RS44/M MZ 1ph	MBDLE 420 2.0"	19.0	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788810.0233
400	400	1.4	92.4	433	44.8	RS44/M MZ 3ph	MBDLE 420 2.0"	19.0	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3788840.0233
500	500	2.48	92.3	541.7	56.0	RS50/M	MBDLE 420 2.0"	16.9	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0233
600	600	2.98	92.4	649.4	67.2	RS70/M	MBC1200 SE 2.0"	15.1	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
750	750	4.74	95.2	787.8	81.5	RS100/M	MBC1200 SE 2.0"	15.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221

- Note:** Riello R40 GS../M - RS../M MZ & RS50/M Series burners supplied with Wieland plug connectors as standard  
 Riello RS70/M & 100/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)
- R40 GS../M To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110)  
ADD 'M' to code No.
  - RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'S' to code No.
  - RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'S' to code No.
  - RS70/M & 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress

Riello RS.. 2 Stage (High/Low) Operation

840	840	5.8	91.8	915	94.6	RS100	MBC1200 SE 2.0"	18.7	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
1100	1100	6.2	91.8	1198	123.9	RS130	MBDLE 420 2.0"	36.9**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0233
1320	1320	8.5	91.8	1438	148.7	RS190	MBDLE 420 2" OF VP	48.1**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0234
1600	1600	5.5	91.8	1743	180.2	RS190	MBDLE 420 2" OF VP	57.3***	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0234
1900	1900	7.3	91.8	2070	214.0	RS250/M	MBC1200 SE CT 2.0"	50.7***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0225
								**	Booster Model RB200 including Kit			400V/3Ph/50Hz	N/A	3000200 + 201
								***	Booster Model RB300 including Kit			400V/3Ph/50Hz	N/A	3000300 + 301

### Note:

Riello RS.. Series burner supplied with Wieland plug connectors as standard

Riello RS../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if no modulation control ordered)

**For Riello RS../M Series burner to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS../M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress

Riello RS../M Modulating Operation

840	840	5.8	91.8	915	94.6	RS100/M	MBC1200 SE 2.0"	18.7	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
1100	1100	6.2	91.8	1198	123.9	RS130/M	MBDLE 420 2.0"	36.9**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0233
1320	1320	8.5	91.8	1438	148.7	RS190/M	MBDLE 420 2.0" VP	48.1**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234
1600	1600	5.5	91.8	1743	180.2	RS190/M	MBDLE 420 2.0" VP	57.3***	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234
1900	1900	7.3	91.8	2070	214.0	RS250/M	MBC1200 SE CT 2.0"	50.7***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0225
								**	Booster Model RB200 including Kit			400V/3Ph/50Hz	N/A	3000200 + 201
								***	Booster Model RB300 including Kit			400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if no modulation control ordered)

- All burners To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### GT 220

Riello R40 GS.. 1 Stage (On/Off) Operation

224	50.0	0.5	92.1	54	5.6	R40 GS10	MBDLE 405 0.5"	6.5	Std 110	100	65	230V/1Ph/50Hz	Yes	3755417.0530
225	64.0	0.6	92.0	70	7.2	R40 GS10	MBDLE 405 0.5"	8.8	Std 110	100	65	230V/1Ph/50Hz	Yes	3755417.0530
226	78.0	0.7	92.0	85	8.8	R40 GS10	MBDLE 407 0.75"	9.2	Ext 170	100	65	230V/1Ph/50Hz	Yes	3755426.0531
227	92.0	0.8	91.9	100	10.4	R40 GS20	MBDLE 407 0.75"	9.6	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
228	100.0	0.9	91.7	109	11.3	R40 GS20	MBDLE 407 0.75"	10.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531

Riello R40 GS..D 2 Stage (High/Low) Operation

224	50.0	0.5	92.1	54	5.6	R40 GS10D	MBZRDLE 407 0.75"	5.6	Std 110	100	65	230V/1Ph/50Hz	Yes	3757615.0537
225	64.0	0.6	92.0	70	7.2	R40 GS20D	MBZRDLE 407 0.75"	8.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
226	78.0	0.7	92.0	85	8.8	R40 GS20D	MBZRDLE 407 0.75"	8.0	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
227	92.0	0.8	91.9	100	10.4	R40 GS20D	MBZRDLE 407 0.75"	8.8	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
228	100.0	0.9	91.7	109	11.3	R40 GS20D	MBZRDLE 407 0.75"	9.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 220

Riello R40 GS../M Modulating Operation

224	50.0	0.5	92.1	54	5.6	R40 GS10/M	MBVEF 407 0.75"	3.4	Std 128	100	65	230V/1Ph/50Hz	Yes	3755556.0535
225	64.0	0.6	92.0	70	7.2	R40 GS20/M	MBVEF 407 0.75"	4.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
226	78.0	0.7	92.0	85	8.8	R40 GS20/M	MBVEF 407 0.75"	5.9	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
227	92.0	0.8	91.9	100	10.4	R40 GS20/M	MBVEF 407 0.75"	7.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
228	100.0	0.9	91.7	109	11.3	R40 GS20/M	MBVEF 407 0.75"	7.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535

**Note:** Riello R40 GS../M & RS../M MZ Series burners supplied with Wieland plug connectors as standard

- All burners To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110) ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### GT 330

Riello R40 GS.. 1 Stage (On/Off) Operation

334	105	0.3	88.0	119.3	12.3	R40 GS20	MBDLE 407 0.75"	11.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
335	140	0.6	88.0	159.1	16.5	R40 GS20	MBDLE 407 0.75"	16.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
336	180	1.1	88.0	204.5	21.1	R40 GS20	MBDLE 410 1.0"	15.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
337	230	1.6	88.0	261.4	27.0	RS34/1 MZ	MBDLE 415 1.5"	14.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788510.0232
338	280	2.2	88.0	318.2	32.9	RS44/1 MZ	MBDLE 415 1.5"	12.9	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788610.0232
339	330	2.5	88.0	375	38.8	RS44/1 MZ	MBDLE 420 2.0"	16.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788610.0233

Riello R40 GS..D & RS.. 2 Stage (High/Low) Operation

334	105	0.3	88.0	119.3	12.3	R40 GS20D	MBZRDLE 407 0.75"	10.1	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
335	140	0.6	88.0	159.1	16.5	R40 GS20D	MBZRDLE 407 0.75"	14.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
336	180	1.1	88.0	204.5	21.1	R40 GS20D	MBZRDLE 410 1.0"	13.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
337	230	1.6	88.0	261.4	27.0	RS34 MZ	MBDLE 412 1.25"	18.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0231
338	280	2.2	88.0	318.2	32.9	RS34 MZ	MBDLE 415 1.5"	18.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789010.0232
339	330	2.5	88.0	375	38.8	RS44 MZ 1ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3789110.0232
339	330	2.5	88.0	375	38.8	RS44 MZ 3ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3789140.0232

**Note:** Riello R40 GS..D & RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in RED

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 330

Riello R40 GS../M & RS../M Modulating Operation

334	105	0.3	88.0	119.3	12.3	R40 GS20/M	MBVEF 407 0.75"	7.6	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
335	140	0.6	88.0	159.1	16.5	R40 GS20/M	MBVEF 407 0.75"	11.7	Std 120	110	72	230V/1Ph/50Hz	Yes	3755756.0535
336	180	1.1	88.0	204.5	21.1	RS34/M MZ	MBDLE 412 1.25"	11.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
337	230	1.6	88.0	261.4	27.0	RS34/M MZ	MBDLE 412 1.25"	18.2	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0231
338	280	2.2	88.0	318.2	32.9	RS34/M MZ	MBDLE 415 1.5"	18.8	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788710.0232
339	330	2.5	88.0	375	38.8	RS44/M MZ 1ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	230V/1Ph/50Hz	Yes	3788810.0232
339	330	2.5	88.0	375	38.8	RS44/M MZ 3ph	MBDLE 415 1.5"	18.3	Std 216	TBA	70	400V/3Ph/50Hz	Yes	3788840.0232

**Note:** Riello R40 GS../M & RS../M MZ Series burners supplied with Wieland plug connectors as standard

- R40 GS../M To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110) ADD 'M' to code No.
- RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110) ADD 'S' to code No.
- All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M MZ Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 430

Riello RS.. 2 Stage (High/Low) Operation

430-8	390	1.1	88.0	443.3	45.8	RS50	MBDLE 415 1.5"	14.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0232
430-9	450	1.5	88.0	511.4	52.9	RS50	MBDLE 420 2.0"	18.5	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233
430-10	540	2.0	88.0	613.6	63.5	RS70	MBDLE 420 2.0"	16.8	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0233
430-11	600	2.5	88.0	681.8	70.5	RS70	MBC1200 SE 2.0"	15.5	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
430-12	670	2.5	88.0	761.4	78.7	RS70	MBC1200 SE 2.0"	17.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
430-13	720	2.5	88.0	818.2	84.6	RS100	MBC1200 SE 2.0"	13.7	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
430-14	780	3.5	88.0	886.4	91.7	RS100	MBC1200 SE 2.0"	15.9	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221

**Note:** Riello RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 430

Riello RS../M Modulating Operation

430-8	390	1.1	88.0	443.3	45.8	RS50/M	MBDLE 415 1.5"	14.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0232
430-9	450	1.5	88.0	511.4	52.9	RS50/M	MBDLE 420 2.0"	18.5	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0233
430-10	540	2.0	88.0	613.6	63.5	RS70/M	MBDLE 420 2.0"	16.8	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0233
430-11	600	2.5	88.0	681.8	70.5	RS70/M	MBC1200 SE 2.0"	15.5	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
430-12	670	2.5	88.0	761.4	78.7	RS70/M	MBC1200 SE 2.0"	17.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
430-13	720	2.5	88.0	818.2	84.6	RS100/M	MBC1200 SE 2.0"	13.7	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
430-14	780	3.5	88.0	886.4	91.7	RS100/M	MBC1200 SE 2.0"	15.9	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221

**Note:** Riello RS50/M Series burners supplied with Wieland plug connectors as standard

Riello RS70/M & 100/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)

- RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'S' to code No.
- RS70/M & 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'S' to code No.
- All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 7 - GT 16)

Riello RS.. 2 Stage (High/Low) Operation

GT 7	406	1.7	90.9	446.6	46.2	RS50	MBDLE 415 1.5"	15.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0232
GT 8	464	1.8	91.3	508	52.6	RS50	MBDLE 420 2.0"	14.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233
GT 9	522	1.8	91.4	571	59.1	RS50	MBDLE 420 2.0"	17.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0233
GT 10	580	1.9	91.7	632	65.4	RS70	MBDLE 420 2.0"	17.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0233
GT 11	638	2.0	90.8	703	72.7	RS70	MBC1200 SE 2.0"	15.5	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
GT 12	696	2.1	90.5	769	79.5	RS70	MBC1200 SE 2.0"	17.4	Std 250	130	75	400V/3Ph/50Hz	Yes	3785104.0221
GT 13	754	2.1	90.7	831	86.0	RS100	MBC1200 SE 2.0"	15.0	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
GT 14	812	2.3	91.2	890	92.1	RS100	MBC1200 SE 2.0"	15.0	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
GT 15	870	2.4	90.0	967	100.0	RS100	MBC1200 SE 2.0"	16.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221
GT 16	928	2.5	90.6	1024	105.9	RS100	MBC1200 SE 2.0"	17.8	Std 250	124	77	400V/3Ph/50Hz	Yes	3785304.0221

**Note:** Riello RS.. Series burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 17 - GT 25)

Riello RS.. 2 Stage (High/Low) Operation

GT 17	986	2.6	90.2	1093	113.0	RS130	MBC1200 SE 2.0"	17.4	Std 280	105	78.5	400V/3Ph/50Hz	Yes	3785504.0221	
GT 18	1044	2.7	91.0	1147	118.6	RS130	MBC1200 SE 2.0"	18.6	Std 280	105	78.5	400V/3Ph/50Hz	Yes	3785504.0221	
GT 19	1102	2.9	90.6	1216	125.8	RS130	MBDLE 420 2.0" VP	34.4**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
GT 20	1160	3.0	91.5	1268	131.1	RS130	MBDLE 420 2.0" VP	37.0**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
GT 21	1218	3.1	91.2	1336	138.1	RS130	MBDLE 420 2.0" VP	40.4**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
GT 22	1276	3.2	90.9	1404	145.2	RS130	MBDLE 420 2.0" VP	43.7**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
GT 23	1334	3.3	91.1	1464	151.4	RS130	MBDLE 420 2.0" VP	46.1**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
GT 24	1400	3.4	90.7	1544	159.6	RS190	MBDLE 420 2.0" VP	46.8***	Std 372	115	83	400V/3Ph/50Hz	Yes	3785814.0234	
GT 25	1450	3.5	90.9	1595	165.0	RS190	MBDLE 420 2.0" VP	48.8**	Std 372	115	83	400V/3Ph/50Hz	Yes	3785814.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS.. Series burners supplied with Wieland plug connectors as standard

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 7 - GT 16)

Riello RS../M Modulating Operation

GT 7	406	1.7	90.9	446.6	46.2	RS50/M	MBDLE 415 1.5"	15.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0232
GT 8	464	1.8	91.3	508	52.6	RS50/M	MBDLE 420 2.0"	14.8	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0232
GT 9	522	1.8	91.4	571	59.1	RS50/M	MBDLE 420 2.0"	17.6	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0232
GT 10	580	1.9	91.7	632	65.4	RS70/M	MBDLE 420 2.0"	17.6	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0233
GT 11	638	2.0	90.8	703	72.7	RS70/M	MBC1200 SE 2.0"	15.5	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
GT 12	696	2.1	90.5	769	79.5	RS70/M	MBC1200 SE 2.0"	17.4	Std 250	130	75	400V/3Ph/50Hz	Yes	3789610.0221
GT 13	754	2.1	90.7	831	86.0	RS100/M	MBC1200 SE 2.0"	15.0	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
GT 14	812	2.3	91.2	890	92.1	RS100/M	MBC1200 SE 2.0"	15.0	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
GT 15	870	2.4	90.0	967	100.0	RS100/M	MBC1200 SE 2.0"	16.3	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221
GT 16	928	2.5	90.6	1024	105.9	RS100/M	MBC1200 SE 2.0"	17.8	Std 250	124	77	400V/3Ph/50Hz	Yes	3789710.0221

- Note:** Riello RS50/M Series burners supplied with Wieland plug connectors as standard  
 Riello RS70/M & 100/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)
- RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'S' to code No.
  - RS70/M & 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 17 - GT 25)

Riello RS../M Modulating Operation

GT 17	986	2.6	90.2	1093.1	113.0	RS130/M	MBC1200 SE 2.0"	17.4	Std 280	105	78.5	400V/3Ph/50Hz	Yes	3789810.0221	
GT 18	1044	2.7	91.0	1147.3	118.6	RS130/M	MBC1200 SE 2.0"	18.6	Std 280	105	78.5	400V/3Ph/50Hz	Yes	3789810.0221	
GT 19	1102	2.9	90.6	1216	125.8	RS130/M	MBDLE 420 2.0" VP	34.4**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
GT 20	1160	3.0	91.5	1268	131.1	RS130/M	MBDLE 420 2.0" VP	37.0**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
GT 21	1218	3.1	91.2	1336	138.1	RS130/M	MBDLE 420 2.0" VP	40.4**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
GT 22	1276	3.2	90.9	1404	145.2	RS130/M	MBDLE 420 2.0" VP	43.7**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
GT 23	1334	3.3	91.1	1464	151.4	RS130/M	MBDLE 420 2.0" VP	46.1**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
GT 24	1400	3.4	90.7	1544	159.6	RS190/M	MBDLE 420 2.0" VP	46.8***	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234	
GT 25	1450	3.5	90.9	1595	165.0	RS190/M	MBDLE 420 2.0" VP	48.8**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)

- All burners To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110) ADD 'S' to code No.
- All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### P320

Riello R40 GS.. & RS../1: 1 Stage (On/Off) Operation

4	105	0.3	88.0	119	12.3	R40 GS20	MBDLE 407 0.75"	11.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
5	140	0.6	88.0	159	16.5	R40 GS20	MBDLE 407 0.75"	16.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0531
6	180	1.1	88.0	205	21.1	R40 GS20	MBDLE 410 1.0"	15.3	Std 120	110	72	230V/1Ph/50Hz	Yes	3755616.0532
7	230	1.6	88.0	261.4	27.0	RS34/1 MZ	MBDLE 412 1.25"	18.2	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788510.0231
8	280	2.2	88.0	318.2	32.9	RS34/1 MZ	MBDLE 415 1.5"	18.8	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788510.0232
9	330	2.5	88.0	375.0	38.8	RS44/1 MZ	MBDLE 415 1.5"	18.3	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788610.0232

Riello R40 GS..D & RS.. : 2 Stage (High/Low) Operation

4	105	0.3	88.0	119	12.3	R40 GS20D	MBZRDLE 407 0.75"	10.1	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
5	140	0.6	88.0	159	16.5	R40 GS20D	MBZRDLE 407 0.75"	14.5	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0537
6	180	1.1	88.0	205	21.1	R40 GS20D	MBZRDLE 410 1.0"	13.2	Std 120	110	72	230V/1Ph/50Hz	Yes	3757714.0534
7	230	1.6	88.0	261	27.0	RS34 MZ	MBDLE 412 1.25"	18.2	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3789010.0231
8	280	2.2	88.0	318	32.9	RS34 MZ	MBDLE 415 1.5"	18.8	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3789010.0232
9	330	2.5	88.0	375	38.8	RS44 MZ 1Ph	MBDLE 415 1.5"	18.3	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3789110.0232
9	330	2.5	88.0	375	38.8	RS44 MZ 3Ph	MBDLE 415 1.5"	18.3	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3789140.0232

**Note:** Riello R40 GS..& RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in RED

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P320

Riello R40 GS../M & RS../M : Modulating Operation

4	105	0.3	88.0	119	12.3	R40 GS20/M	MB VEF 407 0.75"	7.9	Std 120	160	72	230V/1Ph/50Hz	Yes	3755756.0535
5	140	0.6	88.0	159	16.5	R40 GS20/M	MB VEF 407 0.75"	11.2	Std 120	160	72	230V/1Ph/50Hz	Yes	3755756.0535
6	180	1.1	88.0	205	21.1	RS34/M MZ	MBDLE 412 1.25"	10.5	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788710.0231
7	230	1.6	88.0	261	27.0	RS34/M MZ	MBDLE 412 1.25"	17.9	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788710.0231
8	280	2.2	88.0	318	32.9	RS34/M MZ	MBDLE 415 1.5"	18.1	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788710.0232
9	330	2.5	88.0	375	38.8	RS44/M MZ 1Ph	MBDLE 415 1.5"	17.8	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788810.0232
9	330	2.5	88.0	375	38.8	RS44/M MZ 3Ph	MBDLE 415 1.5"	17.8	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3788840.0232

- Note:** Riello R40 GS../M & RS../M MZ Series burners supplied with Wieland plug connectors as standard
- R40 GS../M To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110) ADD 'M' to code No.
  - RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110) ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - and bracket (3006163) ), for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### P420

Riello RS../1: 1 Stage (On/Off) Operation

8	390	1.1	88.0	443.3	45.8	RS44/1 MZ	MBDLE 420 2.0"	19.4	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788610.0233
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Riello RS.. : 2 Stage (High/Low) Operation

8	390	1.1	88.0	443	45.8	RS44 MZ 1Ph	MBDLE 420 2.0"	19.4	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3789110.0233
8	390	1.1	88.0	443	45.8	RS44 MZ 3Ph	MBDLE 420 2.0"	19.4	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3789140.0233
9	450	1.5	88.0	511.4	52.9	RS50	MBDLE 415 1.5"	18.5	Std 216	120	72	400V/3Ph/50Hz	Yes	3784702.0232
10	540	2.0	88.0	614	63.5	RS70	MBDLE 420 2.0"	16.8	Std 250	128	75	400V/3Ph/50Hz	Yes	3785104.0233
11	600	2.5	88.0	682	70.5	RS70	MBC1200 SE 2.0"	15.5	Std 250	128	75	400V/3Ph/50Hz	Yes	3785104.0221
12	670	2.5	88.0	761	78.7	RS70	MBC1200 SE 2.0"	17.6	Std 250	128	75	400V/3Ph/50Hz	Yes	3785104.0221
13	720	2.5	88.0	818	84.6	RS100	MBC1200 SE 2.0"	13.7	Std 250	125	77	400V/3Ph/50Hz	Yes	3785304.0221
14	780	3.5	88.0	886	91.7	RS100	MBC1200 SE 2.0"	15.9	Std 250	125	77	400V/3Ph/50Hz	Yes	3785304.0221

**Note:** Riello RS.. Series burner supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P420

Riello RS../M : Modulating Operation

8	390	1.1	88.0	443	45.8	RS44/M MZ 1Ph	MBDLE 420 2.0"	19.4	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3788810.0233
8	390	1.1	88.0	443	45.8	RS44/M MZ 3Ph	MBDLE 420 2.0"	19.4	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3788840.0233
9	450	1.5	88.0	511.4	52.9	RS50/M	MBDLE 415 1.5"	18.5	Std 216	120	72	400V/3Ph/50Hz	Yes	3781622.0232
10	540	2.0	88.0	614	63.5	RS70/M	MBDLE 420 2.0"	16.8	Std 250	128	75	400V/3Ph/50Hz	Yes	3789610.0233
11	600	2.5	88.0	682	70.5	RS70/M	MBC1200 SE 2.0"	15.5	Std 250	128	75	400V/3Ph/50Hz	Yes	3789610.0221
12	670	2.5	88.0	761	78.7	RS70/M	MBC1200 SE 2.0"	17.6	Std 250	128	75	400V/3Ph/50Hz	Yes	3789610.0221
13	720	2.5	88.0	818	84.6	RS100/M	MBC1200 SE 2.0"	13.7	Std 250	125	77	400V/3Ph/50Hz	Yes	3789710.0221
14	780	3.5	88.0	886	91.7	RS100/M	MBC1200 SE 2.0"	15.9	Std 250	125	77	400V/3Ph/50Hz	Yes	3789710.0221

- Note:** Riello RS../M MZ Series burner supplied with Wieland plug connectors as standard  
 Riello RS../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)
- RS../M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110) ADD 'S' to code No.
  - RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'S' to code No.
  - RS70 - 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110) ADD 'S' to code No.
  - All burners To include the Riello Signal Converter (3006165 - additional bracket (3006163) required for RS../M MZ) , for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M MZ & RS../M Series burners are available as 'Electronic Cam' (RS../E) on application  
 MGP above 18.0mbar - below 20.0mbar shown in RED

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RS.. : 2 Stage (High/Low) Operation

13	754	2.2	90.0	838	86.6	RS100	MBC1200 SE 2.0"	13.8	Std 250	125	77	400V/3Ph/50Hz	Yes	3785304.0221	
15	870	2.4	90.0	967	100.0	RS100	MBC1200 SE 2.0"	16.5	Std 250	125	77	400V/3Ph/50Hz	Yes	3785304.0221	
17	986	2.6	90.0	1096	113.3	RS100	MBC1200 SE 2.0"	19.8	Std 280	125	77	400V/3Ph/50Hz	Yes	3785304.0221	
19	1102	2.9	90.0	1224	126.6	RS130	MBDLE 420 2.0" VP	35.9**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
21	1218	3.1	90.0	1353	140.0	RS130	MBDLE 420 2.0" VP	41.2**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
23	1334	3.3	90.0	1482	153.3	RS130	MBDLE 420 2.0" VP	46.8**	Std 280	105	79	400V/3Ph/50Hz	Yes	3785504.0234	
25	1450	3.5	90.0	1611	166.6	RS190	MBDLE 420 2.0" VP	49.5***	Std 372	115	83	400V/3Ph/50Hz	Yes	3785814.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS.. Series burner supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RS../M : Modulating Operation

13	754	2.3	90.0	838	86.6	RS100/M	MBC1200 SE 2.0"	13.8	Std 250	125	77	400V/3Ph/50Hz	Yes	3789710.0221	
15	870	2.4	90.0	967	100.0	RS100/M	MBC1200 SE 2.0"	16.5	Std 250	125	77	400V/3Ph/50Hz	Yes	3789710.0221	
17	986	2.6	90.0	1096	113.3	RS100/M	MBC1200 SE 2.0"	19.8	Std 250	125	77	400V/3Ph/50Hz	Yes	3789710.0221	
19	1102	2.9	90.0	1224	126.6	RS130/M	MBDLE 420 2.0" VP	35.9**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
21	1218	3.1	90.0	1353	140.0	RS130/M	MBDLE 420 2.0" VP	41.2**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
23	1334	3.3	90.0	1482	153.3	RS130/M	MBDLE 420 2.0" VP	46.8**	Std 280	105	79	400V/3Ph/50Hz	Yes	3789810.0234	
25	1450	3.5	90.0	1611	166.6	RS190/M	MBDLE 420 2.0" VP	49.5***	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 - 10V operation)

- All burners To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110) ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK

Riello RS.. : 2 Stage (High/Low) Operation

8	99	0.9	90.2	110	11.3	R40 GS20D	MBZRDLE 407 0.75"	9.8	Ext 280	110	72	230V/1Ph/50Hz	Yes	3757714.0537
10	116	1.1	90.2	129	13.3	R40 GS20D	MBZRDLE 407 0.75"	11.8	Ext 280	110	72	230V/1Ph/50Hz	Yes	3757714.0537
12	145	1.3	90.3	161	16.7	R40 GS20D	MBZRDLE 407 0.75"	15.3	Ext 280	110	72	230V/1Ph/50Hz	Yes	3757714.0537
15	175	1.5	90.3	194	20.1	R40 GS20D	MBZRDLE 410 1.0"	12.8	Ext 280	110	72	230V/1Ph/50Hz	Yes	3757714.0534
18	209	1.7	90.4	232	24.0	RS34 MZ	MBDLE 412 1.25"	13.8	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3789011.0231
20	232	1.7	90.5	258	26.7	RS34 MZ	MBDLE 412 1.25"	16.0	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3789011.0231
25	290	2.1	90.5	322	33.3	RS34 MZ	MBDLE 415 1.5"	17.3	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3789010.0232
30	348	2.7	90.7	387	40.0	RS44 MZ 1Ph	MBDLE 420 2.0"	17.5	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3789111.0233
30	348	2.7	90.7	387	40.0	RS44 MZ 3Ph	MBDLE 420 2.0"	17.5	Ext 351	TBA	72	400V/3Ph/50Hz	Yes	3789141.0233
35	406	3.0	91.0	451	46.7	RS50	MBDLE 415 1.5"	16.8	Ext 351	120	72	400V/3Ph/50Hz	Yes	3784703.0232
40	465	3.2	91.4	517	53.4	RS50	MBDLE 420 2.0"	16.3	Ext 351	120	72	400V/3Ph/50Hz	Yes	3784703.0233
50	581	3.7	91.8	646	66.8	RS70	MBC1200 SE 2.0"	13.5	Ext 385	128	75	400V/3Ph/50Hz	Yes	3785105.0221
60	697	3.9	92.2	774	80.1	RS70	MBC1200 SE 2.0"	17.0	Ext 385	128	75	400V/3Ph/50Hz	Yes	3785105.0221
70	813	4.0	92.4	903	93.4	RS100	MBC1200 SE 2.0"	15.2	Ext 385	125	77	400V/3Ph/50Hz	Yes	3785305.0221
80	930	4.5	92.4	1033	106.9	RS100	MBC1200 SE 2.0"	18.1	Ext 385	125	77	400V/3Ph/50Hz	Yes	3785305.0221

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK

Riello R40 GS../M & RS../M : Modulating Operation

8	99	0.9	90.2	110	11.3	R40 GS20/M	MB VEF 407 0.75"	7.5	Ext 280	160	72	230V/1Ph/50Hz	Yes	3755756.0535
10	116	1.1	90.2	129	13.3	R40 GS20/M	MB VEF 407 0.75"	9.2	Ext 280	160	72	230V/1Ph/50Hz	Yes	3755756.0535
12	145	1.3	90.3	161	16.7	R40 GS20/M	MB VEF 407 0.75"	12.5	Ext 280	160	72	230V/1Ph/50Hz	Yes	3755756.0535
15	175	1.5	90.3	194	20.1	RS34/M MZ	MBDLE 412 1.25"	10.3	Ext 351	110	72	230V/1Ph/50Hz	Yes	3788711.0231
18	209	1.7	90.4	232	24.0	RS34/M MZ	MBDLE 412 1.25"	13.8	Ext 351	110	72	230V/1Ph/50Hz	Yes	3788711.0231
20	232	1.7	90.5	258	26.7	RS34/M MZ	MBDLE 412 1.25"	16.0	Ext 351	110	72	230V/1Ph/50Hz	Yes	3788711.0231
25	290	2.1	90.5	322	33.3	RS34/M MZ	MBDLE 415 1.5"	17.3	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3788711.0232
30	348	2.7	90.7	387	40.0	RS44/M MZ 1Ph	MBDLE 420 2.0"	17.5	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3788811.0233
30	348	2.7	90.7	387	40.0	RS44/M MZ 3Ph	MBDLE 420 2.0"	17.5	Ext 351	TBA	72	400V/3Ph/50Hz	Yes	3788841.0233
35	406	3.0	91.0	451	46.7	RS50/M	MBDLE 415 1.5"	16.8	Ext 351	120	72	400V/3Ph/50Hz	Yes	3781623.0232
40	465	3.2	91.4	517	53.4	RS50/M	MBDLE 420 2.0"	16.3	Ext 351	120	72	400V/3Ph/50Hz	Yes	3781623.0232
50	581	3.7	91.8	646	66.8	RS70/M	MBC1200 SE 2.0"	13.5	Ext 385	128	75	400V/3Ph/50Hz	Yes	3789611.0221
60	697	3.9	92.2	774	80.1	RS70/M	MBC1200 SE 2.0"	17.0	Ext 385	128	75	400V/3Ph/50Hz	Yes	3789611.0221
70	813	4.0	92.4	903	93.4	RS100/M	MBC1200 SE 2.0"	15.2	Ext 385	125	77	400V/3Ph/50Hz	Yes	3789711.0221
80	930	4.5	92.4	1033	106.9	RS100/M	MBC1200 SE 2.0"	18.1	Ext 385	125	77	400V/3Ph/50Hz	Yes	3789711.0221

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

- R40 GS../M To include the Riello 'RWF40' modulating controller (3001074) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS34 - 44/M MZ To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'S' to code No.
- RS50/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'S' to code No.
- RS70 - 100/M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'S' to code No.
- All burners To include the Riello Signal Converter (3006165 - and bracket (3006163) ), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper  
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# HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK PLUS

Riello RS.. : 2 Stage (High/Low) Operation

100	1210	5.0	90.6	1344	139.0	RS130	MBDLE 420 2.0" VP	43.3**	Ext 415	105	79	400V/3Ph/50Hz	Yes	3785505.0234
130	1540	5.5	90.6	1711	177.0	RS190	MBC1200 SE CT 2.0"	33.3**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0225
160	1815	6.1	90.6	2017	208.5	RS190	MBC1200 SE CT 2.0"	42.4**	Std 372	120	83	400V/3Ph/50Hz	Yes	3785814.0225
200	2310	6.1	90.6	2567	265.4	RS250/M	MBC1900 SE CT 2.5"	56.5***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0226
250	2900	6.1	90.6	3222	333.2	GAS 10 P/M	MBC3100 SE 3.0" CT	51.6***	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0227
									** Booster Model RB200 including Kit			400V/3Ph/50Hz	N/A	3000200 + 201
									*** Booster Model RB300 including Kit			400V/3Ph/50Hz	N/A	3000300 + 301

Riello RS../M : Modulating Operation

100	1210	5.0	90.6	1344	139.0	RS130/M	MBDLE 420 2.0" VP	43.3**	Ext 415	105	79	400V/3Ph/50Hz	Yes	3789811.0234
130	1540	5.5	90.6	1711	177.0	RS190/M	MBC1200 SE CT 2.0"	33.3**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0225
160	1815	6.1	90.6	2017	208.5	RS190/M	MBC1200 SE CT 2.0"	42.4**	Std 372	115	83	400V/3Ph/50Hz	Yes	3787623.0225
200	2310	6.1	90.6	2567	265.4	RS250/M	MBC1900 SE CT 2.5"	56.5***	Std 370	TBA	83	400V/3Ph/50Hz	Yes	3788410.0226
250	2900	6.1	90.6	3222	333.2	GAS 10 P/M	MBC3100 SE 3.0" CT	51.6***	Std 476	160	90	400V/3Ph/50Hz	Yes	3754135.0227
									** Booster Model RB200 including Kit			400V/3Ph/50Hz	N/A	3000200 + 201
									*** Booster Model RB300 including Kit			400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS../M & GAS../P/M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if no modulation control ordered)

- RS../M To include the Riello 'RWF40' modulating controller (3010414) and temperature sensor (3010110)  
ADD 'M' to code No.
- GAS../P/M To include the Riello 'RWF40' modulating controller (3010210) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Riello RS../M Series burners are available as 'Electronic Cam' (RS../E) on application

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)



## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Heatmaster

Riello R40 GS.. 1 Stage (On/Off) Operation

HM 60	63	0.6	91%	69	7.2	R40 GS10	MBDLE 405 0.5"	8.8	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530
HM 70	63	0.6	91%	69	7.2	R40 GS10	MBDLE 405 0.5"	8.8	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530
HM 100	92	1.4	91%	101	10.5	R40 GS20	MBDLE 407 0.75"	10.3	Std 120	110	70	230V/1Ph/50Hz	Yes	3755616.0531
HM 200N	141.7	0.6	91%	156	16.1	R40 GS20	MBDLE 407 0.75"	15.9	Std 120	110	70	230V/1Ph/50Hz	Yes	3755616.0531
HM 200F	180	1.5	91%	198	20.5	R40 GS20	MBDLE 410 1.0"	15.1	Std 120	110	70	230V/1Ph/50Hz	Yes	3755616.0532

**Note:** Riello R40 GS..& RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Delta Performance G

Riello R40 GS.. 1 Stage (On/Off) Operation

25	22	0.09	91%	24	2.5	R40 GS5	MBDLE 405 0.5"	3.0	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530
25	29	0.09	91%	32	3.3	R40 GS5	MBDLE 405 0.5"	4.2	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530
35	29	0.09	91%	32	3.3	R40 GS5	MBDLE 405 0.5"	4.2	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530
35	40	0.09	91%	44	4.5	R40 GS5	MBDLE 405 0.5"	6.0	Std 110	100	58	230V/1Ph/50Hz	Yes	3755219.0530
45	38	0.08	91%	42	4.3	R40 GS5	MBDLE 405 0.5"	5.6	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530
45	54	0.08	91%	59	6.1	R40 GS10	MBDLE 405 0.5"	6.8	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530
55	45	0.05	91%	49	5.1	R40 GS5	MBDLE 405 0.5"	6.8	Std 100	100	58	230V/1Ph/50Hz	Yes	3755219.0530
55	62	0.05	91%	68	7.0	R40 GS10	MBDLE 405 0.5"	8.5	Std 110	100	65	230V/1Ph/50Hz	Yes	3755426.0530

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 1R Boiler

Riello Gulliver BS.. : 1 Stage (On/Off) Operation

1R4	39	0.10	87.7	45	4.6	Gulliver BS1	MBDLE 405 0.5"	9.7	Std 116	75	55	230V/1Ph/50Hz	Yes	3761158.0546
1R5	52	0.15	88.0	59	6.1	Gulliver BS2	MBDLE 407 0.75"	8.0	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544
1R6	65	0.20	88.3	73	7.6	Gulliver BS2	MBDLE 407 0.75"	10.7	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544
1R7	74	0.16	89.0	83	8.6	Gulliver BS3	MBDLE 407 0.75"	7.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
1R8	84	0.22	89.6	94	9.7	Gulliver BS3	MBDLE 407 0.75"	8.8	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
1R9	93	0.30	90.2	103	10.7	Gulliver BS3	MBDLE 407 0.75"	10.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548

**Note:** Riello Gulliver BS.. Series burners supplied with Wieland plug connectors as standard

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 2R Boiler

Riello Gulliver BS.. : 1 Stage (On/Off) Operation

2R6	101	0.10	88.6	114	11.7	Gulliver BS3	MBDLE 407 0.75"	11.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
2R7	124	0.15	89.0	139	14.4	Gulliver BS3	MBDLE 407 0.75"	16.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
2R8	147	0.22	89.3	165	17.0	Gulliver BS3	MBDLE 410 1.0"	16.4	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0549
2R9	165	0.29	89.7	184	19.0	Gulliver BS3	MBDLE 412 1.25"	16.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0550
2R10	180	0.24	90.0	200	20.7	Gulliver BS4	MBDLE 410 1.0"	16.2	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0549
2R11	198	0.37	90.0	220	22.7	Gulliver BS4	MBDLE 412 1.25"	15.9	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0550

Riello Gulliver BS..D : 2 Stage (High/Low) & RS../M BLU : 2 Stage Progressive / Modulating Operation

2R6 GT	101	0.10	88.6	114	11.7	Gulliver BS3D	MBZRDLE 407 0.75"	10.4	Std 114	70	62	230V/1Ph/50Hz	Yes	3761750.0541
2R7 GT	124	0.15	89.0	139	14.4	Gulliver BS3D	MBZRDLE 407 0.75"	14.2	Std 114	70	62	230V/1Ph/50Hz	Yes	3761750.0541
2R8 GT	147	0.22	89.3	165	17.0	Gulliver BS3D	MBZRDLE 410 1.0"	16.0	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0542
2R9 GT	165	0.29	89.7	184	19.0	Gulliver BS3D	MBZRDLE 412 1.25"	16.2	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0543
2R10 GT	180	0.24	90.0	200	20.7	Gulliver BS4D	MBZRDLE 410 1.0"	16.0	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0542
2R11 GT	198	0.37	90.0	220	22.7	Gulliver BS4D	MBZRDLE 412 1.25"	15.8	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0543
2R12 GT	213	0.39	90.0	237	24.5	Gulliver BS4D	MBZRDLE 412 1.25"	17.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0543
2R13 GT	230	0.42	90.0	256	26.5	RS25/M BLU	MBDLE 412 1.25"	15.8	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
2R14 GT	249	0.49	90.0	276.4	28.6	RS35/M BLU 1Ph	MBDLE 412 1.25"	12.9	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
2R14 GT	249	0.49	90.0	276.4	28.6	RS35/M BLU 3Ph	MBDLE 412 1.25"	12.9	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
2R15 GT	267	0.50	90.0	296.7	30.7	RS35/M BLU 1Ph	MBDLE 412 1.25"	14.3	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
2R15 GT	267	0.50	90.0	296.7	30.7	RS35/M BLU 3Ph	MBDLE 412 1.25"	14.3	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231

**Note:** Riello Gulliver BS.. & RS../M BLU Series burners supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- RS../M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME AR-ARB Boiler

Riello Gulliver BS.. : 1 Stage (On/Off) Operation

AR3	19	0.10	87.9	22	2.2	Gulliver BS1	MBDLE 405 0.5"	3.4	Std 116	75	55	230V/1Ph/50Hz	Yes	3761158.0546
AR/ARB4	29	0.12	88.0	33	3.5	Gulliver BS1	MBDLE 405 0.5"	6.4	Std 116	75	55	230V/1Ph/50Hz	Yes	3761158.0546
AR/ARB5	40	0.16	88.1	45	4.7	Gulliver BS1	MBDLE 405 0.5"	10.1	Std 116	75	55	230V/1Ph/50Hz	Yes	3761158.0546

**Note:** Riello Gulliver BS.. Series burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR2 Boiler

Riello Gulliver BS.. 1 Stage (On/Off) Operation

22	22	0.07	91.0	24	2.5	Gulliver BS1	MBDLE 405 0.5"	3.6	Std 116	75	55	230V/1Ph/50Hz	Yes	3761150.0546
27	27	0.16	91.0	30	3.1	Gulliver BS1	MBDLE 405 0.5"	5.2	Std 116	75	55	230V/1Ph/50Hz	Yes	3761150.0546
35	35	0.09	91.0	38	4.0	Gulliver BS1	MBDLE 405 0.5"	7.6	Std 116	75	55	230V/1Ph/50Hz	Yes	3761150.0546
42	42	0.22	91.0	46	4.8	Gulliver BS1	MBDLE 405 0.5"	9.8	Std 116	75	55	230V/1Ph/50Hz	Yes	3761150.0546
55	55	0.24	91.0	60	6.3	Gulliver BS2	MBDLE 407 0.75"	7.8	Std 114	70	62	230V/1Ph/50Hz	Yes	3761250.0544
70	69	0.25	91.0	76	7.8	Gulliver BS2	MBDLE 407 0.75"	11.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761250.0544

Riello Gulliver BS..D 2 Stage (High/Low) Operation

22	22	0.07	91.0	24	2.5	Gulliver BS1D	MBZRDLE 405 0.5"	4.1	Std 116	75	55	230V/1Ph/50Hz	Yes	3761550.0539
27	27	0.16	91.0	30	3.1	Gulliver BS1D	MBZRDLE 405 0.5"	5.7	Std 116	75	55	230V/1Ph/50Hz	Yes	3761550.0539
35	35	0.09	91.0	38	4.0	Gulliver BS1D	MBZRDLE 405 0.5"	7.6	Std 116	75	55	230V/1Ph/50Hz	Yes	3761550.0539
42	42	0.22	91.0	46	4.8	Gulliver BS1D	MBZRDLE 405 0.5"	10.0	Std 116	75	55	230V/1Ph/50Hz	Yes	3761550.0539
55	55	0.24	91.0	60	6.3	Gulliver BS2D	MBZRDLE 407 0.75"	8.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761650.0538
70	69	0.25	91.0	76	7.8	Gulliver BS2D	MBZRDLE 407 0.75"	11.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761650.0538

**Note:** Riello Gulliver BS.. Series burner supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR3 Boiler

Riello Gulliver BS.. 1 Stage (On/Off) Operation

4	90	0.25	91.0	99	10.2	Gulliver BS3	MBDLE 407 0.75"	9.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
5	130	0.54	91.0	143	14.8	Gulliver BS3	MBDLE 407 0.75"	16.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
6	170	0.95	91.0	187	19.3	Gulliver BS4	MBDLE 412 1.25"	13.0	Std 168	65	71	230V/1Ph/50Hz	Yes	3761450.0550
7	210	0.95	91.0	231	23.9	Gulliver BS4	MBDLE 412 1.25"	17.7	Std 168	65	71	230V/1Ph/50Hz	Yes	3761450.0550

Riello Gulliver BS..D 2 Stage (High/Low) Operation

4	90	0.25	91.0	99	10.2	Gulliver BS3D	MBZRDLE 407 0.75"	8.8	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
5	130	0.54	91.0	143	14.8	Gulliver BS3D	MBZRDLE 407 0.75"	15.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
6	170	0.95	91.0	187	19.3	Gulliver BS4D	MBZRDLE 412 1.25"	16.2	Std 168	65	71	230V/1Ph/50Hz	Yes	3761850.0543
7	210	0.95	91.0	231	23.9	Gulliver BS4D	MBZRDLE 412 1.25"	15.0	Std 168	65	71	230V/1Ph/50Hz	Yes	3761850.0543
8	250	2.12	91.0	275.0	28.4	RS35/M BLU	MBDLE 412 1.25"	14.3	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
8	250	2.12	91.0	275.0	28.4	RS35/M BLU	MBDLE 412 1.25"	14.3	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
9	290	2.37	91.0	319.0	33.0	RS35/M BLU	MBDLE 412 1.25"	17.9	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
9	290	2.37	91.0	319.0	33.0	RS35/M BLU	MBDLE 412 1.25"	17.9	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231

**Note:** Riello Gulliver BS.. & RS../M BLU Series burner supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS../M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

KEY: Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper.

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR3 Boiler

Riello Gulliver BS../M & RS../M BLU 2 Stage Progressive / Modulating Operation

4	90	0.25	91.0	99	10.2	Gulliver BS3/M	CG220 0.75"	7.3	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
5	130	0.54	91.0	143	14.8	Gulliver BS3/M	CG220 0.75"	11.0	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
6	170	0.95	91.0	187	19.3	Gulliver BS4/M	CG220 0.75"	14.5	Std 168	73	66	230V/1Ph/50Hz	Yes	3762450.0588
7	210	0.95	91.0	231	23.9	Gulliver BS4/M	CG220 0.75"	19.0	Std 168	65	71	230V/1Ph/50Hz	Yes	3762450.0588
8	250	2.12	91.0	275.0	28.4	RS35/M BLU	MBDLE 412 1.25"	14.3	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
8	250	2.12	91.0	275.0	28.4	RS35/M BLU	MBDLE 412 1.25"	14.3	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
9	290	2.37	91.0	319.0	33.0	RS35/M BLU	MBDLE 412 1.25"	17.9	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
9	290	2.37	91.0	319.0	33.0	RS35/M BLU	MBDLE 412 1.25"	17.9	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231

**Note:** Riello Gulliver BS../M & RS../M BLU Series burner supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- BS../M  
To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
- BS../M  
Operation on 0-10V BMS signal on application
- RS../M BLU  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU  
To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

409	320	1.5	91.0	352	36.4	RS45/M BLU	MBDLE 412 1.25"	15.5	Std 229	69	74	230V/1Ph/50Hz	Yes	3897302.0231	
410	380	2.1	91.0	418	43.2	RS45/M BLU	MBDLE 420 2.0"	18.1	Std 229	69	74	230V/1Ph/50Hz	Yes	3897302.0233	
411	440	2.2	91.0	484	50.0	RS68/M BLU	MBDLE 415 1.5"	16.5	Std 255	65	77	400V/3Ph/50Hz	Yes	3897402.0232	
412	500	2.8	91.0	549	56.8	RS68/M BLU	MBDLE 420 2.0"	16.8	Std 255	65	77	400V/3Ph/50Hz	Yes	3897402.0233	
413	560	3.3	91.0	615	53.6	RS68/M BLU	MBDLE 420 2.0"	18.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897402.0233	
414	620	3.3	91.0	681	70.4	RS68/M BLU	MBC1200 SE 2.0"	17.1	Std 255	65	77	400V/3Ph/50Hz	Yes	3897402.0221	
415	680	4.5	91.0	747	77.2	RS68/M BLU	MBDLE 415 1.5"	33.0**	Std 255	65	77	400V/3Ph/50Hz	Yes	3897402.0232	
416	740	5.0	91.0	813	84.0	RS120/M BLU	MBDLE 415 1.5"	36.3**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897602.0232	
417	800	6.0	91.0	879	91.0	RS120/M BLU	MBDLE 415 1.5"	41.3**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897602.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 101

**Note:** Riello RS45/M BLU Series burner supplied with Wieland plug connectors as standard  
 Riello RS68/M & 120/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### Arizona Evolution 1

Riello Gulliver BS.. 1 Stage (On/Off) Operation

99	99	0.57	92.6	107	11.1	Gulliver BS3	MBDLE 407 0.75"	11.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
115	115	0.74	92.6	124	12.8	Gulliver BS3	MBDLE 407 0.75"	13.8	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
145	145	0.92	92.7	156	16.2	Gulliver BS3	MBDLE 410 1.0"	16.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0549
175	175	1.10	92.7	189	19.5	Gulliver BS4	MBDLE 410 1.0"	15.8	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0549

Riello Gulliver BS..D : 2 Stage (High/Low) & RS../M BLU : 2 Stage Progressive / Modulating Operation

99	99	0.57	92.6	107	11.1	Gulliver BS3D	MBZRDLE 407 0.75"	10.0	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
115	115	0.74	92.6	124	12.8	Gulliver BS3D	MBZRDLE 407 0.75"	12.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
145	145	0.92	92.7	156	16.2	Gulliver BS3D	MBZRDLE 410 1.0"	15.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0542
175	175	1.10	92.7	189	19.5	Gulliver BS4D	MBZRDLE 410 1.0"	15.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0542
232	238	1.45	92.8	256	26.5	RS25/M BLU	MBDLE 412 1.25"	16.9	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
290	297	1.80	92.9	319.6	33.0	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.5	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
290	297	1.80	92.9	319.6	33.0	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.5	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231

**Note:** Riello Gulliver BS.. & RS../M BLU Series burners supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- RS../M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 1

Riello Gulliver BS../M & RS../M BLU 2 Stage Progressive / Modulating Operation

99	99	0.57	92.6	107	11.1	Gulliver BS3/M	CG220 0.75"	8.3	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
115	115	0.74	92.6	124	12.8	Gulliver BS3/M	CG220 0.75"	10.2	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
145	145	0.92	92.7	156	16.2	Gulliver BS3/M	CG220 0.75"	14.0	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
175	175	1.10	92.7	189	19.5	Gulliver BS4/M	CG220 0.75"	14.0	Std 168	73	66	230V/1Ph/50Hz	Yes	3762450.0588
232	238	1.45	92.8	256	26.5	RS25/M BLU	MBDLE 412 1.25"	16.9	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
290	297	1.80	92.9	319.6	33.0	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.5	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
290	297	1.80	92.9	319.6	33.0	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.5	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231

**Note:** Riello Gulliver BS../M & RS../M BLU Series burner supplied with Wieland plug connectors as standard

- BS../M  
To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
- BS../M  
Operation on 0-10V BMS signal on application
- RS../M BLU  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU  
To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³ /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2 C

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

348	354	2.16	93.1	380	39.3	RS45/M BLU	MBDLE 420 2.0"	16.9	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233	
465	475	2.7	93.4	509	52.6	RS68/M BLU	MBDLE 415 1.5"	18.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
580	591	2.9	93.4	633	65.4	RS68/M BLU	MBC1200 SE 2.0"	15.4	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
700	707	3.0	93.4	757	78.3	RS68/M BLU	MBC1200 SE 2.0"	18.7	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
815	822	3.2	93.4	880	91.0	RS120/M BLU	MBDLE 415 1.5"	38.5**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
930	940	3.4	93.4	1006	104.1	RS120/M BLU	MBDLE 415 1.5"	47.6**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
1210	1210	5.0	91.6	1321	136.6	RS160/M BLU	MBDLE 420 2.0" VP	42.8**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS45/M BLU Series burner supplied with Wieland plug connectors as standard  
 Riello RS68/M & 120/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

1320	1320	6.0	91.6	1450	150.0	RS160/M BLU	MBDLE 420 2.0" VP	49.2***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234	
1570	1570	4.9	91.6	1725	178.3	RS160/M BLU	MBDLE 420 2.0" VP	62.3***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234	
1850	1850	6.8	91.6	2033	210.2	RS300/M BLU	MBC1200 SE CT 2.0"	44.8**	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0225	
2200	2200	5.2	91.7	2418	250.0	RS300/M BLU	MBC1200 SE CT 2.0"	53.2***	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0225	
2650	2650	7.6	91.7	2912	301.1	RS300/M BLU	MBC1900SE CT 2.5"	54.5***	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0226	
3000	3000	8.5	91.5	3297	341.0	RS300/M BLU	MBC3100SE CT 3.0"	50.4***	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0227	
3500	3500	7.8	91.5	3846	398.0	RS400/M BLU	MBC5000SE CT 3.0"	42.1***	Std 521	155	90	400V/3Ph/50Hz	Yes	3754137.0227	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201
												*** Booster Model RB300 including Kit	400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS160/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

Riello RS300 - 500/M BLU wired as per customer / site requirements

**For Riello RS../M BLU Series burners to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS160/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS300 - 500/M BLU To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burner is available as 'Electronic Cam' (RS../E BLU) on application

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C

Riello Gulliver BS.. 1 Stage (On/Off) Operation

90	90	0.23	91.8	98.0	10.1	Gulliver BS3	MBDLE 407 0.75"	9.4	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
120	120	0.39	91.7	130.9	13.5	Gulliver BS3	MBDLE 407 0.75"	14.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
150	150	0.58	91.7	163.6	16.9	Gulliver BS3	MBDLE 410 1.0"	16.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0549
180	180	0.80	91.9	195.9	20.3	Gulliver BS4	MBDLE 410 1.0"	16.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0549

Riello Gulliver BS..D : 2 Stage (High/Low) & RS../M BLU : 2 Stage Progressive / Modulating Operation

90	90	0.23	91.8	98.0	10.1	Gulliver BS3D	MBZRDLE 407 0.75"	8.4	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541	
120	120	0.39	91.7	130.9	13.5	Gulliver BS3D	MBZRDLE 407 0.75"	13.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541	
150	150	0.58	91.7	163.6	16.9	Gulliver BS3D	MBZRDLE 410 1.0"	16.2	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0542	
180	180	0.80	91.9	195.9	20.3	Gulliver BS4D	MBZRDLE 410 1.0"	16.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0542	
240	240	1.16	92.3	260.0	26.9	RS25/M BLU	MBDLE 412 1.25"	17.0	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231	
300	300	1.25	92.6	324.0	33.5	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.3	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231	
300	300	1.25	92.6	324.0	33.5	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.3	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231	
400	400	1.40	92.4	432.9	44.8	RS45/M BLU	MBDLE 420 2.0"	18.5	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233	
500	500	2.48	92.3	541.7	56.0	RS68/M BLU	MBDLE 420 2.0"	15.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0233	
600	600	2.98	92.4	649.4	67.2	RS68/M BLU	MBC1200 SE 2.0"	15.9	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
750	750	4.74	95.2	787.8	81.5	RS68/M BLU	MBDLE 415 1.5"	35.6**	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello Gulliver BS.. & RS25 - 45/M BLU Series burners supplied with Wieland plug connectors as standard  
 Riello RS68/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- RS25 & 35/M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS45 & 68/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signa  
ADD 'S' to code No.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C

Riello Gulliver BS../M & RS../M BLU 2 Stage Progressive / Modulating Operation

90	90	0.23	91.8	98.0	10.1	Gulliver BS3/M	CG220 0.75"	7.2	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588	
120	120	0.39	91.7	130.9	13.5	Gulliver BS3/M	CG220 0.75"	10.6	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588	
150	150	0.58	91.7	163.6	16.9	Gulliver BS3/M	CG220 0.75"	14.5	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588	
180	180	0.80	91.9	195.9	20.3	Gulliver BS4/M	CG220 0.75"	14.2	Std 168	73	66	230V/1Ph/50Hz	Yes	3762450.0588	
240	240	1.16	92.3	260.0	26.9	RS25/M BLU	MBDLE 412 1.25"	17.0	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231	
300	300	1.25	92.6	324.0	33.5	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.3	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231	
300	300	1.25	92.6	324.0	33.5	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.3	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231	
400	400	1.4	92.4	433	44.8	RS45/M BLU	MBDLE 420 2.0"	18.5	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233	
500	500	2.48	92.3	541.7	56.0	RS68/M BLU	MBDLE 420 2.0"	15.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0233	
600	600	2.98	92.4	649.4	67.2	RS68/M BLU	MBC1200 SE 2.0"	15.9	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
750	750	4.74	95.2	787.8	81.5	RS68/M BLU	MBDLE 415 1.5"	35.6**	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

- Note:** Riello Gulliver BS../M & RS25 - 45/M BLU Series burners supplied with Wieland plug connectors as standard  
Riello RS68/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)
- BS../M To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
  - BS../M Operation on 0-10V BMS signal on application
  - RS25 & 35/M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
  - RS45 & 68/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
  - All RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

840	840	5.8	91.8	915	94.6	RS120/M BLU	MBDLE 415 1.5"	43.5**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232
1100	1100	6.2	91.8	1198	123.9	RS160/M BLU	MBDLE 420 2.0"	38.6**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0233
1320	1320	8.5	91.8	1438	148.7	RS160/M BLU	MBDLE 420 2.0" VP	51.6***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
1600	1600	5.5	91.8	1743	180.2	RS160/M BLU	MBC1200 SE CT 2.0"	41.8**	Std 373	65	81	400V/3Ph/50Hz	Yes	3788006.0225
1900	1900	7.3	91.8	2070	214.0	RS300/M BLU	MBC1200 SE CT 2.0"	52.9***	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0225
								** Booster Model RB200 including Kit				400V/3Ph/50Hz	N/A	3000200 + 201
								*** Booster Model RB300 including Kit				400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS160/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)  
Riello RS300 - 500/M BLU wired as per customer / site requirements

**For Riello RS../M BLU Series burners to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS160/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS300 - 500/M BLU To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burner is available as 'Electronic Cam' (RS../E BLU) on application

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### GT 220

Riello Gulliver BS.. 1 Stage (On/Off) Operation

224	50.0	0.5	92.1	54	5.6	Gulliver BS2	MBDLE 407 0.75"	7.5	Std 114	70	62	230V/1Ph/50Hz	Yes	3761250.0544
225	64.0	0.6	92.0	70	7.2	Gulliver BS3	MBDLE 407 0.75"	6.0	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
226	78.0	0.7	92.0	85	8.8	Gulliver BS3	MBDLE 407 0.75"	7.9	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
227	92.0	0.8	91.9	100	10.4	Gulliver BS3	MBDLE 407 0.75"	10.3	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
228	100.0	0.9	91.7	109	11.3	Gulliver BS3	MBDLE 407 0.75"	11.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548

Riello Gulliver BS..D 2 Stage (High/Low) Operation

224	50.0	0.5	92.1	54	5.6	Gulliver BS2D	MBZRDLE 407 0.75"	7.5	Std 114	70	62	230V/1Ph/50Hz	Yes	3761650.0538
225	64.0	0.6	92.0	70	7.2	Gulliver BS2D	MBZRDLE 407 0.75"	10.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761650.0538
226	78.0	0.7	92.0	85	8.8	Gulliver BS3D	MBZRDLE 407 0.75"	7.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
227	92.0	0.8	91.9	100	10.4	Gulliver BS3D	MBZRDLE 407 0.75"	9.2	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
228	100.0	0.9	91.7	109	11.3	Gulliver BS3D	MBZRDLE 407 0.75"	10.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541

224	50.0	0.5	92.1	54	5.6	Gulliver BS2/M	CG 120 0.5"	8.4	Std 114	63	62	230V/1Ph/50Hz	Yes	3762250.0587
225	64.0	0.6	92.0	70	7.2	Gulliver BS2/M	CG 120 0.5"	15.5	Std 114	63	62	230V/1Ph/50Hz	Yes	3762250.0587
226	78.0	0.7	92.0	85	8.8	Gulliver BS3/M	CG220 0.75"	6.7	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
227	92.0	0.8	91.9	100	10.4	Gulliver BS3/M	CG220 0.75"	8.0	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
228	100.0	0.9	91.7	109	11.3	Gulliver BS3/M	CG220 0.75"	8.8	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588

- Note:** Riello Gulliver BS.. Series burner supplied with Wieland plug connectors as standard
- BS../M To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110) ADD 'M' to code No.
  - BS../M Operation on 0-10V BMS signal on application

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### GT 330

Riello Gulliver BS.. 1 Stage (On/Off) Operation

334	105	0.3	88.0	119.3	12.3	Gulliver BS3	MBDLE 407 0.75"	12.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
335	140	0.6	88.0	159.1	16.5	Gulliver BS3	MBDLE 410 1.0"	16.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0549
336	180	1.1	88.0	204.5	21.1	Gulliver BS4	MBDLE 410 1.0"	17.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0549

Riello Gulliver BS..D : 2 Stage (High/Low) & RS../M BLU : 2 Stage Progressive / Modulating Operation

334	105	0.3	88.0	119.3	12.3	Gulliver BS3D	MBZRDLE 407 0.75"	11.2	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0541
335	140	0.6	88.0	159.1	16.5	Gulliver BS3D	MBZRDLE 410 1.0"	15.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0542
336	180	1.1	88.0	204.5	21.1	Gulliver BS4D	MBZRDLE 410 1.0"	17.4	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0542
337	230	1.6	88.0	261.4	27.0	RS25/M BLU	MBDLE 412 1.25"	17.5	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
338	280	2.20	88.0	318.2	32.9	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
338	280	2.20	88.0	318.2	32.9	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
339	330	2.5	88.0	375	38.8	RS45/M BLU	MBDLE 420 2.0"	17.1	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233

**Note:** Riello Gulliver BS.. & RS../M BLU Series burners supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- RS25 & 35/M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS45/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 330

Riello Gulliver BS../M & RS../M BLU 2 Stage Progressive / Modulating Operation

334	105	0.3	88.0	119.3	12.3	Gulliver BS3/M	CG220 0.75"	9.2	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
335	140	0.6	88.0	159.1	16.5	Gulliver BS3/M	CG220 0.75"	14.0	Std 185	73	66	230V/1Ph/50Hz	Yes	3762350.0588
336	180	1.1	88.0	204.5	21.1	Gulliver BS4/M	CG220 0.75"	15.2	Std 168	73	66	230V/1Ph/50Hz	Yes	3762450.0588
337	230	1.6	88.0	261.4	27.0	RS25/M BLU	MBDLE 412 1.25"	17.5	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
338	280	2.20	88.0	318.2	32.9	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
338	280	2.20	88.0	318.2	32.9	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
339	330	2.5	88.0	375	38.8	RS45/M BLU	MBDLE 420 2.0"	17.1	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233

**Note:** Riello Gulliver BS../M & RS../M BLU Series burners supplied with Wieland plug connectors as standard

- BS../M  
To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
- BS../M  
Operation on 0-10V BMS signal on application
- RS25 & 35/M BLU  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS45/M BLU  
To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU  
To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burner is available as 'Electronic Cam' (RS../E BLU) on application

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.	
<b>GT 430</b>															
Riello RS../M BLU 2 Stage Progressive / Modulating Operation															
430-8	390	1.1	88.0	443.3	45.8	RS68/M BLU	MBDLE 415 1.5"	13.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
430-9	450	1.5	88.0	511.4	52.9	RS68/M BLU	MBDLE 415 1.5"	17.3	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
430-10	540	2.0	88.0	613.6	63.5	RS68/M BLU	MBDLE 420 2.0"	17.8	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0233	
430-11	600	2.5	88.0	681.8	70.5	RS68/M BLU	MBC1200 SE 2.0"	16.2	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
430-12	670	2.5	88.0	761.4	78.7	RS68/M BLU	MBC1200 SE 2.0"	18.4	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
430-13	720	2.5	88.0	818.2	84.6	RS68/M BLU	MBDLE 415 1.5"	34.9**	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
430-14	780	3.5	88.0	886.4	91.7	RS120/M BLU	MBDLE 415 1.5"	43.5**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS68/M & 120/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 7 - GT 16)

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

GT 7	406	1.7	90.9	447	46.2	RS45/M BLU	MBDLE 420 2.0"	19.4	Std 229	69	74	230V/1Ph/50Hz	Yes	3897306.0233	
GT 8	464	1.8	91.3	508	52.6	RS68/M BLU	MBDLE 415 1.5"	17.4	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0232	
GT 9	522	1.8	91.4	571	59.1	RS68/M BLU	MBDLE 420 2.0"	15.9	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0233	
GT 10	580	1.9	91.7	632	65.4	RS68/M BLU	MBDLE 420 2.0"	18.5	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0233	
GT 11	638	2.0	90.8	703	72.7	RS68/M BLU	MBC1200 SE 2.0"	16.2	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
GT 12	696	2.1	90.5	769	79.5	RS68/M BLU	MBC1200 SE 2.0"	18.2	Std 255	65	77	400V/3Ph/50Hz	Yes	3897406.0221	
GT 13	754	2.1	90.7	831	86.0	RS120/M BLU	MBDLE 415 1.5"	34.5**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
GT 14	812	2.3	91.2	890	92.1	RS120/M BLU	MBDLE 415 1.5"	38.3**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
GT 15	870	2.4	90.0	967	100.0	RS120/M BLU	MBDLE 415 1.5"	43.8**	Std 255	67	79	400V/3Ph/50Hz	Yes	3897606.0232	
GT 16	928	2.5	90.6	1024	105.9	RS160/M BLU	MBDLE 420 2.0"	26.7**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0233	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS45/M BLU Series burner supplied with Wieland plug connectors as standard

Riello RS68/M & 120/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.

- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

KEY: Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper.

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 17 - GT 25)

Riello RS../M BLU 2 Stage Progressive / Modulating Operation

GT 17	986	2.6	90.2	1093	113.0	RS160/M BLU	MBDLE 420 2.0"	29.8**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0233
GT 18	1044	2.7	91.0	1147	118.6	RS160/M BLU	MBDLE 420 2.0"	33.0**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0233
GT 19	1102	2.9	90.6	1216	125.8	RS160/M BLU	MBDLE 420 2.0" VP	36.1**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 20	1160	3.0	91.5	1268	131.1	RS160/M BLU	MBDLE 420 2.0" VP	38.4**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 21	1218	3.1	91.2	1336	138.1	RS160/M BLU	MBDLE 420 2.0" VP	41.5**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 22	1276	3.2	90.9	1404	145.2	RS160/M BLU	MBDLE 420 2.0" VP	44.6**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 23	1334	3.3	91.1	1464	151.4	RS160/M BLU	MBDLE 420 2.0" VP	47.7***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 24	1400	3.4	90.7	1544	159.6	RS160/M BLU	MBDLE 420 2.0" VP	51.6***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
GT 25	1450	3.5	90.9	1595	165.0	RS160/M BLU	MBDLE 420 2.0" VP	54.3***	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
								** Booster Model RB200 including Kit				400V/3Ph/50Hz	N/A	3000200 + 201
								*** Booster Model RB300 including Kit				400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS160/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### P320

Riello Gulliver BS.. : 1 Stage (On/Off) Operation

4	105	0.3	88.0	119.3	12.3	BS3	MBDLE 407 0.75"	12.6	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0548
5	140	0.6	88.0	159.1	16.5	BS3	MBDLE 410 1.0"	16.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761350.0549
6	180	1.1	88.0	204.5	21.1	BS4	MBDLE 410 1.0"	17.5	Std 128	75	66	230V/1Ph/50Hz	Yes	3761450.0549

Riello Gulliver BS..D : 2 Stage (High/Low) Operation & RS../M BLU : 2 Stage Progressive / Modulating Operation

4	105	0.3	88.0	119.3	12.3	BS3D	MBZRDLE 407 0.75"	11.2	Std 114	70	62	230V/1Ph/50Hz	Yes	3761750.0541
5	140	0.6	88.0	159.1	16.5	BS3D	MBZRDLE 410 1.0"	15.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761750.0542
6	180	1.1	88.0	204.5	21.1	BS4D	MBZRDLE 410 1.0"	17.4	Std 128	75	66	230V/1Ph/50Hz	Yes	3761850.0542
7	230	1.6	88.0	261.4	27.0	RS25/M BLU	MBDLE 412 1.25"	17.5	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
8	280	2.2	88.0	318.2	32.9	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
8	280	2.2	88.0	318.2	32.9	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
9	330	2.5	88.0	375.0	38.8	RS45/M BLU	MBDLE 420 2.0"	17.1	Std 229	70	74	230V/1Ph/50Hz	Yes	3897302.0233

**Note:** Riello Gulliver BS.. & RS../M BLU Series burners supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- RS../M BLU To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P320

Riello Gulliver BS../M & RS../M BLU : Modulating Operation

4	105	0.3	88.0	119.3	12.3	BS3/M	CG 220 0.75"	9.2	Std 128	62	65	230V/1Ph/50Hz	Yes	3762350.0588
5	140	0.6	88.0	159.1	16.5	BS3/M	CG 220 0.75"	14.0	Std 128	62	65	230V/1Ph/50Hz	Yes	3762350.0588
6	180	1.1	88.0	204.5	21.1	BS4/M	CG 220 0.75"	15.2	Std 145	62	71	230V/1Ph/50Hz	Yes	3762450.0588
7	230	1.6	88.0	261.4	27.0	RS25/M BLU	MBDLE 412 1.25"	17.5	Std 230	TBA	70	230V/1Ph/50Hz	Yes	3910510.0231
8	280	2.2	88.0	318.2	32.9	RS35/M BLU 1Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231
8	280	2.2	88.0	318.2	32.9	RS35/M BLU 3Ph	MBDLE 412 1.25"	17.8	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231
9	330	2.5	88.0	375.0	38.8	RS45/M BLU	MBDLE 420 2.0"	17.1	Std 229	70	74	230V/1Ph/50Hz	Yes	3897302.0233

**Note:** Riello Gulliver BS../M & RS../M BLU Series burners supplied with Wieland plug connectors as standard

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- BS../M  
To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
- BS../M  
Operation on 0-10V BMS signal on application
- RS../M BLU  
To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS../M BLU  
To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P420

Riello RS../M BLU : 2 Stage Progressive / Modulating Operation

8	390	1.1	88.0	443.3	45.8	RS45/M BLU	MBDLE 420 2.0"	18.7	Std 229	70	74	400V/3Ph/50Hz	Yes	3897302.0233	
9	450	1.5	88.0	511.4	52.9	RS68/M BLU	MBDLE 415 1.5"	17.3	Std 255	70	74	400V/3Ph/50Hz	Yes	3897403.0232	
10	540	2.0	88.0	613.6	63.5	RS68/M BLU	MBDLE 420 2.0"	17.8	Std 255	65	77	400V/3Ph/50Hz	Yes	3897403.0233	
11	600	2.5	88.0	681.8	70.5	RS68/M BLU	MBC1200 SE 2.0"	16.2	Std 255	65	77	400V/3Ph/50Hz	Yes	3897403.0221	
12	670	2.5	88.0	761.4	78.7	RS68/M BLU	MBC1200 SE 2.0"	18.4	Std 255	65	77	400V/3Ph/50Hz	Yes	3897403.0221	
13	720	2.5	88.0	818.2	84.6	RS68/M BLU	MBDLE 415 1.5"	34.9**	Std 255	65	77	400V/3Ph/50Hz	Yes	3897403.0232	
14	780	3.5	88.0	886.4	91.7	RS120/M BLU	MBDLE 420 2.0"	30.3**	Std 255	<80	79	400V/3Ph/50Hz	Yes	3897602.0233	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS45/M BLU Series burner supplied with Wieland plug connectors as standard

Riello RS68/M & 120/M BLU Series burners price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) schedule price and ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RS../M BLU : 2 Stage Progressive / Modulating Operation

13	754	2.2	90.0	838	86.6	RS120/M BLU	MBC1200 SE 2.0"	19.9	Std 255	70	79	400V/3Ph/50Hz	Yes	3897602.0221	
15	870	2.4	90.0	967	100.0	RS120/M BLU	MBDLE 420 2.0"	33.6**	Std 255	70	79	400V/3Ph/50Hz	Yes	3897602.0233	
17	986	2.6	90.0	1096	113.3	RS120/M BLU	MBC1200 SE 2.0"	29.1**	Std 255	70	79	400V/3Ph/50Hz	Yes	3897602.0221	
19	1102	2.9	90.0	1224	126.6	RS120/M BLU	MBC1200 SE 2.0"CT	33.8**	Std 255	70	79	400V/3Ph/50Hz	Yes	3897602.0225	
21	1218	3.1	90.0	1353	140.0	RS160/M BLU	MBC1200 SE 2.0"CT	26.0**	Std 373	65	81	400V/3Ph/50Hz	Yes	3788002.0225	
23	1334	3.3	90.0	1482	153.3	RS160/M BLU	MBC1200 SE 2.0"CT	30.4**	Std 373	65	81	400V/3Ph/50Hz	Yes	3788002.0225	
25	1450	3.5	90.0	1611	166.6	RS160/M BLU	MBC1200 SE 2.0"CT	35.1**	Std 373	65	81	400V/3Ph/50Hz	Yes	3788002.0225	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RS120/M & 160/M BLU Series burners price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RS../M BLU Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

- All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burners are available as 'Electronic Cam' (RS../E BLU) versions on application

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
8	99	0.9	90.2	110	11.3	BS3	MBDLE 407 0.75"	11.8	Ext 282	75	66	230V/1Ph/50Hz	Yes	3761358.0548
10	116	1.1	90.2	129	13.3	BS3	MBDLE 407 0.75"	14.9	Ext 282	75	66	230V/1Ph/50Hz	Yes	3761358.0548
12	145	1.3	90.3	161	16.7	BS3	MBDLE 410 1.0"	17.0	Ext 282	75	66	230V/1Ph/50Hz	Yes	3761358.0549
15	175	1.5	90.3	194	20.1	BS4	MBDLE 410 1.0"	16.7	Ext 317	75	66	230V/1Ph/50Hz	Yes	3761458.0549

## CABK

Riello Gulliver BS.. : 1 Stage (On/Off) Operation

Riello Gulliver BS..D : 2 Stage (High/Low) Operation & RS../M BLU : 2 Stage Progressive / Modulating Operation

8	99	0.9	90.2	110	11.3	BS3D	MBZRDLE 407 0.75"	10.7	Ext 282	70	62	230V/1Ph/50Hz	Yes	3761758.0541	
10	116	1.1	90.2	129	13.3	BS3D	MBZRDLE 407 0.75"	13.4	Ext 282	70	62	230V/1Ph/50Hz	Yes	3761758.0541	
12	145	1.3	90.3	161	16.7	BS3D	MBZRDLE 410 1.0"	16.6	Ext 282	75	66	230V/1Ph/50Hz	Yes	3761758.0542	
15	175	1.5	90.3	194	20.1	BS4D	MBZRDLE 410 1.0"	16.6	Ext 317	75	66	230V/1Ph/50Hz	Yes	3761850.0542	
18	209	1.7	90.4	232	24.0	RS25/M BLU	MBDLE 412 1.25"	15.5	Ext 365	TBA	70	230V/1Ph/50Hz	Yes	3910511.0231	
20	232	1.7	90.5	258	26.7	RS25/M BLU	MBDLE 412 1.25"	18.0	Ext 365	TBA	70	230V/1Ph/50Hz	Yes	3910511.0231	
25	290	2.1	90.5	322	33.3	RS35/M BLU 1Ph	MBDLE 415 1.50"	14.9	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231	
25	290	2.1	90.5	322	33.3	RS35/M BLU 3Ph	MBDLE 415 1.50"	14.9	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231	
30	348	2.7	90.7	387	40.0	RS45/M BLU	MBDLE 420 2.0"	17.6	Ext 354	70	74	400V/3Ph/50Hz	Yes	3897307.0233	
35	406	3.0	91.0	451	46.7	RS68/M BLU	MBDLE 415 1.5"	15.4	Ext 390	70	74	400V/3Ph/50Hz	Yes	3897407.0232	
40	465	3.2	91.4	517	53.4	RS68/M BLU	MBDLE 420 2.0"	14.8	Ext 390	65	77	400V/3Ph/50Hz	Yes	3897407.0233	
50	581	3.7	91.8	646	66.8	RS68/M BLU	MBC1200 SE 2.0"	16.2	Ext 390	65	77	400V/3Ph/50Hz	Yes	3897407.0221	
60	697	3.9	92.2	774	80.1	RS68/M BLU	MBDLE 415 1.5"	32.9**	Ext 390	70	74	400V/3Ph/50Hz	Yes	3897407.0232	
70	813	4.0	92.4	903	93.4	RS120/M BLU	MBDLE 415 1.5"	39.3**	Ext 390	67	79	400V/3Ph/50Hz	Yes	3897607.0232	
80	930	4.5	92.4	1033	106.9	RS120/M BLU	MBDLE 415 1.5"	48.7**	Ext 390	67	79	400V/3Ph/50Hz	Yes	3897607.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello R40 GS.. & RS.. Series burners supplied with Wieland plug connectors as standard

MGP above 18.0mbar - below 20.0mbar shown in **RED**

BS3 & BS3D: Includes Ext Head Code 3001009

BS4 & BS4D: Includes Ext Head Code 3001016

- RS25/M - RS45/M To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS68/M - RS120/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

KEY: Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper.

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.	
8	99	0.9	90.2	110	11.3	BS3/M	CG 220 0.75"	8.8	Ext 282	62	65	230V/1Ph/50Hz	Yes	3762350.0588	
10	116	1.1	90.2	129	13.3	BS3/M	CG 220 0.75"	11.1	Ext 282	62	65	230V/1Ph/50Hz	Yes	3762350.0588	
12	145	1.3	90.3	161	16.7	BS3/M	CG 220 0.75"	14.9	Ext 282	62	65	230V/1Ph/50Hz	Yes	3762350.0588	
15	175	1.5	90.3	194	20.1	BS4/M	CG 220 0.75"	14.8	Ext 317	62	71	230V/1Ph/50Hz	Yes	3762450.0588	
18	209	1.7	90.4	232	24.0	RS25/M BLU	MBDLE 412 1.25"	15.5	Ext 365	TBA	70	230V/1Ph/50Hz	Yes	3910511.0231	
20	232	1.7	90.5	258	26.7	RS25/M BLU	MBDLE 412 1.25"	18.0	Ext 365	TBA	70	230V/1Ph/50Hz	Yes	3910511.0231	
25	290	2.1	90.5	322	33.3	RS35/M BLU 1Ph	MBDLE 415 1.50"	14.9	Std 230	TBA	72	230V/1Ph/50Hz	Yes	3910610.0231	
25	290	2.1	90.5	322	33.3	RS35/M BLU 3Ph	MBDLE 415 1.50"	14.9	Std 230	TBA	72	400V/3Ph/50Hz	Yes	3910640.0231	
30	348	2.7	90.7	387	40.0	RS45/M BLU	MBDLE 420 2.0"	17.6	Ext 354	70	74	400V/3Ph/50Hz	Yes	3897307.0233	
35	406	3.0	91.0	451	46.7	RS68/M BLU	MBDLE 415 1.5"	15.4	Ext 390	70	74	400V/3Ph/50Hz	Yes	3897407.0232	
40	465	3.2	91.4	517	53.4	RS68/M BLU	MBDLE 420 2.0"	14.8	Ext 390	65	77	400V/3Ph/50Hz	Yes	3897407.0233	
50	581	3.7	91.8	646	66.8	RS68/M BLU	MBC1200 SE 2.0"	16.2	Ext 390	65	77	400V/3Ph/50Hz	Yes	3897407.0221	
60	697	3.9	92.2	774	80.1	RS68/M BLU	MBDLE 415 1.5"	32.9**	Ext 390	70	74	400V/3Ph/50Hz	Yes	3897407.0232	
70	813	4.0	92.4	903	93.4	RS120/M BLU	MBDLE 415 1.5"	39.3**	Ext 390	67	79	400V/3Ph/50Hz	Yes	3897607.0232	
80	930	4.5	92.4	1033	106.9	RS120/M BLU	MBDLE 415 1.5"	48.7**	Ext 390	67	79	400V/3Ph/50Hz	Yes	3897607.0232	
												** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello R40 GS.& RS.. Series burners supplied with Wieland plug connectors as standard  
MGP above 18.0mbar - below 20.0mbar shown in **RED**  
BS3 /M: Includes Ext Head Code 3002724  
BS4/M: Includes Ext Head Code 3002725

- BS3/M - BS4/M To include the Riello 'RWF40' modulating controller (3001078) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS25/M - RS45/M To include the Riello 'RWF40' modulating controller (3010417) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS68/M - RS120/M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165, additional bracket (3006163) required for RS25 & 35/M BLU), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions. If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK PLUS

Riello RS../M BLU : Modulating Operation

100	1210	5.0	90.6	1344	139.0	RS160/M BLU	MBDLE 420 2.0" VP	43.4**	Std 373	60	80	400V/3Ph/50Hz	Yes	3788006.0234
130	1540	5.5	90.6	1711	177.0	RS160/M BLU	MBC1200SE CT 2.0"	40.2**	Std 373	65	81	400V/3Ph/50Hz	Yes	3788002.0225
160	1815	6.1	90.6	2017	208.5	RS200/M BLU	MBC1200SE CT 2.0"	52.5**	Std 373	63	84	400V/3Ph/50Hz	Yes	3899710.0225
200	2310	6.1	90.6	2567	265.4	RS300/M BLU	MBC1900SE CT 2.5"	45.5**	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0226
250	2900	6.1	90.6	3222	333.2	RS300/M BLU	MBC1900SE CT 2.5"	60.7***	Std 521	<80	82	400V/3Ph/50Hz	Yes	3899410.0226
								** Booster Model RB200 including Kit				400V/3Ph/50Hz	N/A	3000200 + 201
								*** Booster Model RB300 including Kit				400V/3Ph/50Hz	N/A	3000300 + 301

**Note:** Riello RS160/M BLU Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)  
Riello RS300 - 500/M BLU wired as per customer / site requirements

**For Riello RS../M BLU Series burners to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

- RS160/M BLU To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No.
- RS300/M BLU To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110)  
ADD 'M' to code No.
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal  
ADD 'S' to code No.

Riello RS../M BLU Series burner is available as 'Electronic Cam' (RS../E BLU) on application

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### Heatmaster

Riello Gulliver BS.. 1 Stage (On/Off) Operation

HM 60	63	0.6	91%	69	7.2	Gulliver BS2	MBDLE 407 0.75"	10.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544
HM 70	63	0.6	91%	69	7.2	Gulliver BS2	MBDLE 407 0.75"	10.3	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544
HM 100	92	1.4	91%	101	10.5	Gulliver BS3	MBDLE 407 0.75"	11.1	Std 128	75	66	230V/1Ph/50Hz	Yes	3761358.0548
HM 200N	141.7	0.6	91%	156	16.1	Gulliver BS3	MBDLE 410 1.0"	15.7	Std 128	75	66	230V/1Ph/50Hz	Yes	3761358.0549
HM 200F	180	1.5	91%	198	20.5	Gulliver BS4	MBDLE 410 1.0"	17.2	Std 168	65	71	230V/1Ph/50Hz	Yes	3761458.0549

**Note:** Riello Gulliver BS.. Series burner supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Natural Gas (Low Nox)

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Burner Model	Gas train Details	MGP (mbar)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Delta Performance G

Riello Gulliver BS.. 1 Stage (On/Off) Operation

25	22	0.09	91%	24	2.5	Gulliver BS1	MBDLE 405 0.5"	4.0	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
25	29	0.09	91%	32	3.3	Gulliver BS1	MBDLE 405 0.5"	6.1	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
35	29	0.09	91%	32	3.3	Gulliver BS1	MBDLE 405 0.5"	6.1	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
35	40	0.09	91%	44	4.5	Gulliver BS1	MBDLE 405 0.5"	9.6	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
45	38	0.08	91%	42	4.3	Gulliver BS1	MBDLE 405 0.5"	8.9	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
45	54	0.08	91%	59	6.1	Gulliver BS2	MBDLE 407 0.75"	8.0	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544
55	45	0.05	91%	49	5.1	Gulliver BS1	MBDLE 405 0.5"	11.2	Std 100	75	55	230V/1Ph/50Hz	Yes	3761158.0546
55	62	0.05	91%	68	7.0	Gulliver BS2	MBDLE 407 0.75"	9.5	Std 114	70	62	230V/1Ph/50Hz	Yes	3761258.0544

**Note:** All burners supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 1R Boiler

Riello R40 G... 1 Stage (On/Off) Operation

1R4	39	0.10	87.7	45	3.8	R40 G5	0.85/60	n/a	n/a	Std 76	180	58	230V/1Ph/50Hz	Yes	20030785
1R5	52	0.15	88.0	59	5.0	R40 G10	1.25/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
1R6	65	0.20	88.3	73	6.2	R40 G10	1.50/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
1R7	74	0.16	89.0	83	7.0	R40 G10	1.75/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
1R8	84	0.22	89.6	94	7.9	R40 G10	2.00/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
1R9	93	0.30	90.2	103	8.7	R40 G10	2.00/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)

Riello R40 G.. Series burners suitable for operation on: Kerosene/Gas Oil/ULS Oil/ & Bio Diesel (Subject to specification & with the installation of an additional



## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 2R Boiler

Riello R40 G... 1 Stage (On/Off) Operation

2R6	101	0.10	88.6	114	9.5	R40 G10	2.25/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
2R7	124	0.15	89.0	139	11.7	R40 G20	2.75/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
2R8	147	0.22	89.3	165	13.8	R40 G20	3.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
2R9	165	0.29	89.7	184	15.5	R40 G20	4.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
2R10	180	0.24	90.0	200	16.8	R40 G20	4.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469

Riello R40 G...(I & D) 2 Stage (High/Low) Operation

2R6 GT	101	0.10	88.6	114	9.5	R40 G10I	2.25/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
2R7 GT	124	0.15	89.0	139	11.7	R40 G20D	2.75/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
2R8 GT	147	0.22	89.3	165	13.8	R40 G20D	3.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
2R9 GT	165	0.29	89.7	184	15.5	R40 G20D	3.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
2R10 GT	180	0.24	90.0	200	16.8	R40 G20D	4.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
2R11 GT	198	0.37	90.0	220	18.5	R40 G20D	4.00/60	n/a	n/a	Std 118	190	72	230V/1Ph/50Hz	Yes	3748418
2R12 GT	213	0.39	90.0	237	19.9	RL34 MZ	2.75/60	2.00/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
2R13 GT	230	0.42	90.0	256	21.5	RL34 MZ	3.00/60	2.25/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
2R14 GT	249	0.49	90.0	276	23.2	RL34 MZ	3.50/60	2.25/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
2R15 GT	267	0.50	90.0	297	24.9	RL34 MZ	3.50/60	2.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610

**Note:** Riello R40 G...(I & D) & RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Riello R40 G.. & RL.. High/Low Series burners suitable for operation on: Kerosene/Gas Oil/ULS Oil/ & Bio Diesel (Subject to specification & with the installation of an additional

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME AR-ARB Boiler

Riello R40 G... 1 Stage (On/Off) Operation

AR3	19	0.10	87.9	22	1.8	R40 G3B*	0.40/60	n/a	n/a	Std 93	170	55	230V/1Ph/50Hz	Yes	20030780
AR/ARB4	29	0.12	88.0	33	2.8	R40 G3B	0.65/60	n/a	n/a	Std 93	170	55	230V/1Ph/50Hz	Yes	20030780
AR/ARB5	40	0.16	88.1	45	3.8	R40 G5	0.85/60	n/a	n/a	Std 76	180	58	230V/1Ph/50Hz	Yes	20030785

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)

\* Riello R40 G3B matched to Model AR3 to be fitted with 3005775 blast tube

Riello R40 G.. Series burners suitable for operation on: Kerosene/Gas Oil/ULS Oil/ & Bio Diesel (Subject to specification & with the installation of an additional

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR2 Boiler

Riello R40 G... 1 Stage (On/Off) Operation

22	22	0.07	91.0	24	2.0	R40 G5	0.50/60	n/a	n/a	Std 107	180	60	230V/1Ph/50Hz	Yes	20030785
27	27	0.16	91.0	30	2.5	R40 G5	0.60/60	n/a	n/a	Std 107	180	60	230V/1Ph/50Hz	Yes	20030785
35	35	0.09	91.0	38	3.3	R40 G5	0.85/60	n/a	n/a	Std 107	180	60	230V/1Ph/50Hz	Yes	20030785
42	42	0.22	91.0	46	3.9	R40 G5	1.00/60	n/a	n/a	Std 107	180	60	230V/1Ph/50Hz	Yes	20030785
55	55	0.24	91.0	60	5.1	R40 G10	1.25/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	3746467
70	69	0.25	91.0	76	6.4	R40 G10	1.50/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	3746467

Riello R40 G.. 2 Stage (High/Low) Operation

55	55	0.24	91.0	60	5.1	R40 G10I	1.25/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	20030870
70	69	0.25	91.0	76	6.4	R40 G10I	1.50/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	20030870

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
Riello R40 G..I & RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Riello R40 G.. & RL.. High/Low Series burners suitable for operation on: Kerosene/Gas Oil/ULS Oil/ & Bio Diesel (Subject to specification & with the installation of an additional

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



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### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### NXR3 Boiler

Riello R40 G... 1 Stage (On/Off) Operation

4	90	0.25	91.0	99	8.4	R40 G10	2.00/60	n/a	n/a	Ext 168	190	68	230V/1Ph/50Hz	Yes	20033046
5	130	0.54	91.0	143	12.1	R40 G20	2.75/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047

Riello R40 G..(I & D) 2 Stage (High/Low) Operation

4	90	0.25	91.0	99	8.4	R40 G10I	2.00/60	n/a	n/a	Ext 168	190	66	230V/1Ph/50Hz	Yes	20033046
5	130	0.54	91.0	143	12.1	R40 G20D	2.75/60	n/a	n/a	Ext 178	180	75	230V/1Ph/50Hz	Yes	3748418TL
6	170	0.95	91.0	187	15.8	R40 G20D	3.50/60	n/a	n/a	Ext 178	180	75	230V/1Ph/50Hz	Yes	3748418TL
7	210	0.95	91.0	231	19.6	RL34 MZ	3.00/60	1.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
8	250	2.12	91.0	275	23.3	RL34 MZ	3.50/60	2.00/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
9	290	2.37	91.0	319	27.0	RL34 MZ	4.00/60	2.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
Riello R40 G..(I & D) & RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RL.. 2 Stage (High/Low) Operation

409	320	1.5	91.0	352	29.8	RL34 MZ	4.00/60	3.00/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470610
410	380	2.1	91.0	418	35.4	RL44 MZ 1PH	5.00/60	3.50/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
410	380	2.1	91.0	418	35.4	RL44 MZ 3PH	5.00/60	3.50/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740
411	440	2.2	91.0	484	41.0	RL50	5.50/60	4.00/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
412	500	2.8	91.0	549	46.5	RL50	6.50/60	4.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
413	560	3.3	91.0	615	52.1	RL70	7.00/60	5.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
414	620	3.3	91.0	681	57.7	RL70	8.00/60	5.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
415	680	4.5	91.0	747	63.3	RL70	9.00/60	6.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
416	740	5.0	91.0	813	68.9	RL100	9.50/60	6.50/60	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	3471812
417	800	6.0	91.0	879	74.5	RL100	10.50/60	7.00/60	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	3471812

**Note:** Riello RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/Uls Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RL../M Modulating Operation

409	320	1.5	91.0	352	29.8	RL38/M	30 kg/hr	3009852	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
410	380	2.1	91.0	418	35.4	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
411	440	2.2	91.0	484	41.0	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
412	500	2.8	91.0	549	46.5	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
413	560	3.3	91.0	615	52.1	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
414	620	3.3	91.0	681	57.7	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
415	680	4.5	91.0	747	63.3	RL70/M	70 kg/hr	3009856	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
416	740	5.0	91.0	813	68.9	RL100/M	70 kg/hr	3009856	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	20032813
417	800	6.0	91.0	879	74.5	RL100/M	80 kg/hr	3009857	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	20032813

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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# HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 1

Riello R40 G... 1 Stage (On/Off) Operation

99	99	0.57	92.6	107	9.1	R40 G20	2.25/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
115	115	0.74	92.6	124	10.5	R40 G20	2.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
145	145	0.92	92.7	156	13.3	R40 G20	3.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469

Riello R40 G...(I & D) 2 Stage (High/Low) Operation

99	99	0.57	92.6	107	9.1	R40 G20D	2.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
115	115	0.74	92.6	124	10.5	R40 G20D	2.25/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
145	145	0.92	92.7	156	13.3	R40 G20D	2.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
175	175	1.10	92.7	189	16.0	RL34 MZ	2.25/60	1.65/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
232	238	1.45	92.8	256	21.7	RL34 MZ	3.00/60	2.25/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
290	297	1.80	92.9	320	27.1	RL34 MZ	4.00/60	2.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610

Riello RL.../M Modulating Operation

175	175	1.10	92.7	189	16.0	RL28/M	20 kg/hr	3009851	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
232	238	1.45	92.8	256	21.7	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
290	297	1.80	92.9	320	27.1	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782

- Note:**
- Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)
  - Riello R40 G...(I & D) & RL.. High/Low Series burners supplied with Wieland plug connectors as standard.
  - Riello RL.../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)
  - Riello RL.../M nozzles are type A3 45 degrees
    - RL.../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
    - RL.../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2 C

Riello RL.. 2 Stage (High/Low) Operation

348	354	2.2	93.1	380	32.2	RL44 MZ 1PH	4.50/60	3.50/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
348	354	2.2	93.1	380	32.2	RL44 MZ 3PH	4.50/60	3.50/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740
465	475	2.7	93.4	509	43.1	RL50	6.00/60	4.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
580	591	2.9	93.4	633	53.6	RL50	7.50/60	5.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
700	707	3.0	93.4	757	64.1	RL70	9.00/60	6.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
815	822	3.2	93.4	880	74.6	RL70	11.00/60	7.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
930	940	3.4	93.4	1006	85.3	RL100	12.00/60	8.50/60	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	3471812
1210	1210	5.0	91.6	1321	112	RL100	16.00/60	11.00/60	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	3471812

Riello RL../M Modulating Operation

348	354	2.2	93.1	380	32.2	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
465	475	2.7	93.4	509	43.1	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
580	591	2.9	93.4	633	53.6	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
700	707	3.0	93.4	757	64.1	RL70/M	70 kg/hr	3009856	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
815	822	3.2	93.4	880	74.6	RL100/M	80 kg/hr	3009857	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	20032813
930	940	3.4	93.4	1006	85.3	RL100/M	90 kg/hr	3009858	n/a	Std 250	160	77	400V/3Ph/50Hz	Yes	20032813
1210	1210	5.0	91.6	1321	112	RL130/M	120 kg/hr	3009861	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818

- Note:** Riello RL.. High/Low Series burners supplied with Wieland plug connectors as standard.  
 Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.



# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2

Riello RL.. 2 Stage (High/Low) Operation

1320	1320	6.0	91.0	1451	122	RL130	17.00/60	11.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
1570	1570	4.9	91.0	1725	145	RL190	20.00/60	14.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
1850	1850	6.8	91.0	2033	171	RL190	24.00/60	16.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
2200	2200	5.2	91.0	2418	203	RL250	26.00/60	18.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032711
2650	2650	7.6	91.0	2912	245	RL300/B MZ	30.00/60	30.00/60	n/a	Std 510	TBA	83.0	400V/3Ph/50Hz	Yes	20034242
3000	3000	8.5	91.0	3297	278	RL300/B MZ	35.00/60	32.50/60	n/a	Std 510	TBA	83.0	400V/3Ph/50Hz	Yes	20034242
3500	3500	7.8	91.0	3846	324	RL400/B MZ	40.00/60	40.00/60	n/a	Std 510	TBA	85.0	400V/3Ph/50Hz	Yes	20034244

Riello RL../M & PRESS..P/G Modulating Operation

1320	1320	6	91.0	1451	123	RL130/M	130 kg/hr	3009862	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
1570	1570	4.9	91.0	1725	146	RL190/M	160 kg/hr	3009864	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828
1850	1850	6.8	91.0	2033	171	RL190/M	180 kg/hr	3009865	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828
2200	2200	5.2	91.0	2418	203	P300 P/G	200 kg/hr	3009318	n/a	Std 444	200	89.5	400V/3Ph/50Hz	Yes	20034245
2650	2650	7.6	91.0	2912	245	P300 P/G	250 kg/hr	3009322	n/a	Std 444	200	89.5	400V/3Ph/50Hz	Yes	20034245
3000	3000	8.5	91.0	3297	278	P450 P/G	300 kg/hr	3009326	n/a	Std 476	220	90.0	400V/3Ph/50Hz	Yes	20034246
3500	3500	7.8	91.0	3846	324	P450 P/G	325 kg/hr	3009328	n/a	Std 476	220	90.0	400V/3Ph/50Hz	Yes	20034246

- Note:** Riello RL.. High/Low Series burners supplied with Wieland plug connectors as standard.  
 Riello RL../M & PRESS..P/G Series burners price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees. Riello PRESS..P/G nozzles are type B5 45 degrees SA.
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - PRESS.. P/G To include the Riello 'RWF40' modulating controller (3010211) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M & PRESS..P/G To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
<b>Arizona Progress C Boiler</b>															
Riello R40 G... 1 Stage (On/Off) Operation															
90	90	0.23	91.8	98	8.3	R40 G10	1.75/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	3746467
120	120	0.39	91.7	131	11.1	R40 G20	2.75/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
150	150	0.58	91.7	163.6	13.9	R40 G20	3.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469

### Riello R40 G...(I & D) 2 Stage (High/Low) Operation

90	90	0.23	91.8	98.0	8.3	R40 G10I	1.75/60	n/a	n/a	Std 108	190	66	230V/1Ph/50Hz	Yes	20030870
120	120	0.39	91.7	130.9	11.1	R40 G20D	2.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
150	150	0.58	91.7	163.6	13.9	R40 G20D	3.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
180	180	0.80	91.9	195.9	16.6	RL34 MZ	2.50/60	1.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
240	240	1.16	92.3	260.0	22.0	RL34 MZ	3.00/60	2.25/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
300	300	1.25	92.6	324.0	27.5	RL34 MZ	4.00/60	2.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
400	400	1.40	92.4	432.9	36.7	RL44 MZ 1PH	5.00/60	4.00/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
400	400	1.40	92.4	432.9	36.7	RL44 MZ 3PH	5.00/60	4.00/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740
500	500	2.48	92.3	541.7	45.9	RL50	6.50/60	4.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
600	600	2.98	92.4	649.4	55.0	RL70	8.00/60	5.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
750	750	4.74	95.2	787.8	66.8	RL70	9.50/60	6.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
Riello R40 G...(I & D) & RL.. High/Low Series burners supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C Boiler

Riello RL../M Modulating Operation

180	180	0.80	91.9	195.9	16.6	RL28/M	20 kg/hr	3009851	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
240	240	1.16	92.3	260.0	22.0	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
300	300	1.25	92.6	324.0	27.5	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
400	400	1.40	92.4	432.9	36.7	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
500	500	2.48	92.3	541.7	45.9	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
600	600	2.98	92.4	649.4	55.0	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
750	750	4.74	95.2	787.8	66.8	RL70/M	70 kg/hr	3009856	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress Boiler

Riello RL.. 2 Stage (High/Low) Operation

840	840	5.8	91.8	915	77.5	RL100	11.00/60	7.50/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
1100	1100	6.2	91.8	1198	102	RL130	15.00/60	9.50/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
1320	1320	8.5	91.8	1438	122	RL190	17.00/60	12.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
1600	1600	5.5	91.8	1743	148	RL190	22.00/60	14.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
1900	1900	7.3	91.8	2070	175	RL250	26.00/60	16.00/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032711

Riello RL../M Modulating Operation

840	840	5.8	91.8	915	77.5	RL100/M	80 kg/hr	3009857	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
1100	1100	6.2	91.8	1198	102	RL100/M	110 kg/hr	3009860	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
1320	1320	8.5	91.8	1438	122	RL130/M	130 kg/hr	3009862	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
1600	1600	5.5	91.8	1743	148	RL190/M	160 kg/hr	3009864	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828
1900	1900	7.3	91.8	2070	175	RL190/M	180 kg/hr	3009865	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828

- Note:** Riello RL.. High/Low Series burners supplied with Wieland plug connectors as standard.  
 Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No
- Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### GT 220

Riello R40 G... 1 Stage (On/Off) Operation

224	50	0.5	92.1	54	4.6	R40 G10	1.10/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
225	64	0.6	92.0	70	5.9	R40 G10	1.50/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
226	78	0.7	92.0	85	7.2	R40 G10I *	1.65/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
227	92	0.8	91.9	100	8.5	R40 G20	2.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
228	100	0.9	91.7	109	9.2	R40 G20	2.25/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469

Riello R40 G..(I & D) 2 Stage (High/Low) Operation

224	50	0.5	92.1	54	4.6	R40 G10I	1.00/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
225	64	0.6	92.0	70	5.9	R40 G10I	1.35/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
226	78	0.7	92.0	85	7.2	R40 G10I	1.65/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
227	92	0.8	91.9	100	8.5	R40 G20D	1.85/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
228	100	0.9	91.7	109	9.2	R40 G20D	2.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)

\* R40 G10I (2 Stage High / Low) matched to model 226 (1 Stage On / Off) due to high resistance. No 1 Stage burner match available. R40 G10I to be wired as 'soft-start'.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
<b>GT 330</b>															
Riello R40 G... 1 Stage (On/Off) Operation															
334	105	0.3	88.0	119	10.1	R40 G10	2.50/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	3746467
335	140	0.6	88.0	159	13.5	R40 G20	3.50/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3747469
336	180	1.1	88.0	205	17.3	R40 G20D *	4.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418

### Riello R40 G..(I & D) 2 Stage (High/Low) Operation

334	105	0.3	88.0	119	10.1	R40 G10I	2.25/60	n/a	n/a	Std 108	190	68	230V/1Ph/50Hz	Yes	20030870
335	140	0.6	88.0	159	13.5	R40 G20D	3.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
336	180	1.1	88.0	205	17.3	R40 G20D	4.00/60	n/a	n/a	Std 118	180	73	230V/1Ph/50Hz	Yes	3748418
337	230	1.6	88.0	261	22.2	RL34 MZ	3.00/60	2.25/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
338	280	2.2	88.0	318	27.0	RL34 MZ	4.00/60	2.50/60	n/a	Std 216	150	68	230V/1Ph/50Hz	Yes	3470610
339	330	2.5	88.0	375	31.8	RL44 MZ 1PH	4.00/60	3.50/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
339	330	2.5	88.0	375	31.8	RL44 MZ 3PH	4.00/60	3.50/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
 Riello R40 G..(I & D) & RL.. High/Low Series burners supplied with Wieland plug connectors as standard.  
 \* R40 G20D (2 Stage High / Low) matched to model 336 (1 Stage On / Off) due to high resistance. No 1 Stage burner match available. R40 G20D to be wired as 'soft-start'.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 330

Riello RL../M Modulating Operation

336	180	1.1	88.0	205	17.3	RL28/M	20 kg/hr	3009851	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
337	230	1.6	88.0	261	22.2	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
338	280	2.2	88.0	318	27.0	RL28/M	30 kg/hr	3009852	n/a	Std 216	150	70	230V/1Ph/50Hz	Yes	20032782
339	330	2.5	88.0	375	31.8	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

# HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 430

Riello RL.. 2 Stage (High/Low) Operation

430-8	390	1.1	88.0	443	37.6	RL44 MZ 1PH	4.50/60	4.50/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
430-8	390	1.1	88.0	443	37.6	RL44 MZ 3PH	4.50/60	4.50/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740
430-9	450	1.5	88.0	511	43.3	RL50	6.00/60	4.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
430-10	540	2.0	88.0	614	52.0	RL70	7.50/60	5.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
430-11	600	2.5	88.0	682	57.8	RL70	8.00/60	6.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
430-12	670	2.5	88.0	761	64.5	RL70	9.00/60	6.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
430-13	720	2.5	88.0	818	69.3	RL70	10.00/60	6.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
430-14	780	3.5	88.0	886	75.1	RL100	11.00/60	7.00/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812

Riello RL../M Modulating Operation

430-8	390	1.1	88.0	443	37.6	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
430-9	450	1.5	88.0	511	43.3	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
430-10	540	2.0	88.0	614	52.0	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
430-11	600	2.5	88.0	682	57.8	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
430-12	670	2.5	88.0	761	64.5	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
430-13	720	2.5	88.0	818	69.3	RL70/M	70 kg/hr	3009856	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
430-14	780	3.5	88.0	886	75.1	RL100/M	80 kg/hr	3009857	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813

- Note:** Riello RL.. High/Low Series burners supplied with Wieland plug connectors as standard.  
 Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No
- Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
<b>GT 530</b>															
Riello RL.. 2 Stage (High/Low) Operation															
GT 7	406	1.7	90.9	447	37.9	RL44 MZ 1PH	4.50/60	4.50/60	n/a	Std 216	160	70	230V/1Ph/50Hz	Yes	3470710
GT 7	406	1.7	90.9	447	37.9	RL44 MZ 3PH	4.50/60	4.50/60	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	3470740
GT 8	464	1.8	91.3	508	43.1	RL50	6.00/60	4.50/60	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	3470810
GT 9	522	1.8	91.4	571	48.4	RL70	7.50/60	5.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
GT 10	580	1.9	91.7	632	53.6	RL70	7.50/60	5.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
GT 11	638	2.0	90.8	703	59.5	RL70	8.50/60	6.00/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
GT 12	696	2.1	90.5	769	65.2	RL70	9.00/60	6.50/60	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	3471712
GT 13	754	2.1	90.7	831	70.5	RL100	10.00/60	7.00/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 14	812	2.3	91.2	890	75.5	RL100	11.00/60	7.00/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 15	870	2.4	90.0	967	81.9	RL100	12.00/60	8.00/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 16	928	2.5	90.6	1024	86.8	RL100	12.00/60	8.50/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 17	986	2.6	90.2	1093	92.6	RL100	13.50/60	9.00/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 18	1044	2.7	91.0	1147	97.2	RL100	14.00/60	9.50/60	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	3471812
GT 19	1102	2.9	90.6	1216	103	RL130	15.00/60	10.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
GT 20	1160	3.0	91.5	1268	107	RL130	15.00/60	11.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
GT 21	1218	3.1	91.2	1336	113	RL130	16.00/60	11.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
GT 22	1276	3.2	90.9	1404	119	RL130	17.00/60	12.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
GT 23	1334	3.3	91.1	1464	124	RL130	18.00/60	12.00/60	n/a	Std 250	155	78.5	400V/3Ph/50Hz	Yes	3471912
GT 24	1400	3.4	90.7	1544	131	RL190	18.00/60	13.50/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
GT 25	1450	3.5	90.9	1595	135	RL190	19.00/60	13.50/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719

**Note:** Riello RL.. High/Low Series burners supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 7 - GT 16)

Riello RL../M Modulating Operation

GT 7	406	1.7	90.9	447	37.9	RL38/M	40 kg/hr	3009853	n/a	Std 216	160	70	400V/3Ph/50Hz	Yes	20032794
GT 8	464	1.8	91.3	508	43.1	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
GT 9	522	1.8	91.4	571	48.4	RL50/M	50 kg/hr	3009854	n/a	Std 216	140	70	400V/3Ph/50Hz	Yes	20032797
GT 10	580	1.9	91.7	632	53.6	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
GT 11	638	2.0	90.8	703	59.5	RL70/M	60 kg/hr	3009855	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
GT 12	696	2.1	90.5	769	65.2	RL70/M	70 kg/hr	3009856	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
GT 13	754	2.1	90.7	831	70.5	RL70/M	80 kg/hr	3009857	n/a	Std 250	160	75	400V/3Ph/50Hz	Yes	20032806
GT 14	812	2.3	91.2	890	75.5	RL100/M	80 kg/hr	3009857	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
GT 15	870	2.4	90.0	967	81.9	RL100/M	90 kg/hr	3009858	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
GT 16	928	2.5	90.6	1024	86.8	RL100/M	90 kg/hr	3009858	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 17 - GT 25)

Riello RL../M Modulating Operation

GT 17	986	2.6	90.2	1093	92.6	RL100/M	100 kg/hr	3009859	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
GT 18	1044	2.7	91.0	1147	97.2	RL100/M	100 kg/hr	3009859	n/a	Std 250	160	77.0	400V/3Ph/50Hz	Yes	20032813
GT 19	1102	2.9	90.6	1216	103	RL130/M	110 kg/hr	3009860	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 20	1160	3.0	91.5	1268	107	RL130/M	110 kg/hr	3009860	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 21	1218	3.1	91.2	1336	113	RL130/M	120 kg/hr	3009861	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 22	1276	3.2	90.9	1404	119	RL130/M	120 kg/hr	3009861	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 23	1334	3.3	91.1	1464	124	RL130/M	130 kg/hr	3009862	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 24	1400	3.4	90.7	1544	131	RL130/M	140 kg/hr	3009863	n/a	Std 272	155	78.5	400V/3Ph/50Hz	n/a	20032818
GT 25	1450	3.5	90.9	1595	135	RL190/M	140 kg/hr	3009863	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

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Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P320

Riello R40 G.. : 1 Stage (On/Off) Operation

4	105	0.3	88.0	119	10.1	R40 G10	2.50/60°	n/a	n/a	Std 108	190	65.0	230V/1Ph/50Hz	Yes	3746467
5	140	0.6	88.0	159	13.5	R40 G20	3.50/60°	n/a	n/a	Std 108	178	74.0	230V/1Ph/50Hz	Yes	3747469

Riello R40 G..D & RL.. : 2 Stage (High/Low) Operation

4	105	0.3	88.0	119	10.1	R40 G20D	2.25/60°	n/a	n/a	Std 118	180	74.0	230V/1Ph/50Hz	Yes	3748418
5	140	0.6	88.0	159	13.5	R40 G20D	3.00/60°	n/a	n/a	Std 118	180	74.0	230V/1Ph/50Hz	Yes	3748418
6	180	1.1	88.0	205	17.3	R40 G20D	4.00/60°	n/a	n/a	Std 118	180	74.0	230V/1Ph/50Hz	Yes	3748418
7	230	1.6	88.0	261	22.2	RL34 MZ	3.00/60°	2.25/60°	n/a	Std 216	TBA	70.0	230V/1Ph/50Hz	Yes	3470610
8	280	2.2	88.0	318	27.0	RL34 MZ	4.00/60°	2.50/60°	n/a	Std 216	TBA	70.0	230V/1Ph/50Hz	Yes	3470610
9	330	2.5	88.0	375	31.8	RL44 MZ 1ph	4.50/60°	3.00/60°	n/a	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3470710
9	330	2.5	88.0	375	31.8	RL44 MZ 3ph	4.50/60°	3.00/60°	n/a	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3470740

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
Riello R40 G..D & RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P320

Riello RL../M : Modulating Operation

7	230	1.6	88.0	261	22.2	RL28/M	30 kg/hr	3009852	N/A	Std 241	150	68.0	230V/1Ph/50Hz	Yes	20032782
8	280	2.2	88.0	318	27.0	RL28/M	30 kg/hr	3009852	N/A	Std 241	150	68.0	230V/1Ph/50Hz	Yes	20032782
9	330	2.5	88.0	375	31.8	RL38/M	40 kg/hr	3009853	n/a	Std 241	160	70.0	400V/3Ph/50Hz	Yes	20032794

**Note:** Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P420

Riello RL.. : 2 Stage (High/Low) Operation

8	390	1.1	88.0	443	37.6	RL44 MZ 1ph	5.00/60°	4.00/60°	n/a	Std 216	TBA	72	230V/1Ph/50Hz	Yes	3470710
8	390	1.1	88.0	443	37.6	RL44 MZ 3ph	5.00/60°	4.00/60°	n/a	Std 216	TBA	72	400V/3Ph/50Hz	Yes	3470740
9	450	1.5	88.0	511	43.3	RL50	6.00/60°	4.50/60°	n/a	Std 216	140	75.0	400V/3Ph/50Hz	Yes	3470810
10	540	2.0	88.0	614	52.0	RL50	7.50/60°	5.00/60°	n/a	Std 216	140	75.0	400V/3Ph/50Hz	Yes	3470810
11	600	2.5	88.0	682	57.8	RL70	8.00/60°	6.00/60°	n/a	Std 250	166	75.0	400V/3Ph/50Hz	Yes	3471712
12	670	2.5	88.0	761	64.5	RL70	9.00/60°	6.50/60°	n/a	Std 250	166	75.0	400V/3Ph/50Hz	Yes	3471712
13	720	2.5	88.0	818	69.3	RL70	10.00/60°	6.50/60°	n/a	Std 250	166	75.0	400V/3Ph/50Hz	Yes	3471712
14	780	3.5	88.0	886	75.1	RL100	11.00/60°	7.00/60°	n/a	Std 250	166	77.0	400V/3Ph/50Hz	Yes	3471812

Riello RL../M : Modulating Operation

8	390	1.1	88.0	443	37.6	RL38/M	40 kg/hr	3009853	n/a	Std 241	160	70.0	400V/3Ph/50Hz	Yes	20032794
9	450	1.5	88.0	511	43.3	RL50/M	50 kg/hr	3009854	n/a	Std 241	145	72.0	400V/3Ph/50Hz	Yes	20032797
10	540	2.0	88.0	614	52.0	RL70/M	60 kg/hr	3009855	n/a	Std 272	170	75.0	400V/3Ph/50Hz	Yes	20032806
11	600	2.5	88.0	682	57.8	RL70/M	60 kg/hr	3009855	n/a	Std 272	170	75.0	400V/3Ph/50Hz	Yes	20032806
12	670	2.5	88.0	761	64.5	RL70/M	70 kg/hr	3009856	n/a	Std 272	170	75.0	400V/3Ph/50Hz	Yes	20032806
13	720	2.5	88.0	818	69.3	RL70/M	70 kg/hr	3009856	n/a	Std 272	170	75.0	400V/3Ph/50Hz	Yes	20032806
14	780	3.5	88.0	886	75.1	RL100/M	80 kg/hr	3009857	n/a	Std 272	170	77.0	400V/3Ph/50Hz	Yes	20032813

- Note:**
- Riello RL.. High/Low Series burner supplied with Wieland plug connectors as standard.
  - Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)
  - Riello RL../M nozzles are type A3 45 degrees
  - RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RL.. : 2 Stage (High/Low) Operation

13	754	2.2	90.0	838	71.0	RL100	10.00/60°	7.00/60°	n/a	Std 250	166	77.0	400V/3Ph/50Hz	Yes	3471812
15	870	2.4	90.0	967	81.9	RL100	11.50/60°	7.50/60°	n/a	Std 250	166	77.0	400V/3Ph/50Hz	Yes	3471812
17	986	2.6	90.0	1096	92.8	RL100	13.50/60°	9.00/60°	n/a	Std 250	166	77.0	400V/3Ph/50Hz	Yes	3471812
19	1102	2.9	90.0	1224	104	RL130	15.00/60°	10.00/60°	n/a	Std 250	152	78.5	400V/3Ph/50Hz	Yes	3471912
21	1218	3.1	90.0	1353	115	RL130	16.00/60°	11.00/60°	n/a	Std 250	152	78.5	400V/3Ph/50Hz	Yes	3471912
23	1334	3.3	90.0	1482	126	RL130	18.00/60°	12.00/60°	n/a	Std 250	152	78.5	400V/3Ph/50Hz	Yes	3471912
25	1450	3.5	90.0	1611	137	RL190	20.00/60°	13.00/60°	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719

Riello RL../M : Modulating Operation

13	754	2.2	90.0	838	71.0	RL100/M	80 kg/hr	3009857	n/a	Std 272	170	77.0	400V/3Ph/50Hz	Yes	20032813
15	870	2.4	90.0	967	81.9	RL100/M	90 kg/hr	3009858	n/a	Std 272	170	77.0	400V/3Ph/50Hz	Yes	20032813
17	986	2.6	90.0	1096	92.8	RL100/M	100 kg/hr	3009859	n/a	Std 272	170	77.0	400V/3Ph/50Hz	Yes	20032813
19	1102	2.9	90.0	1224	104	RL130/M	110 kg/hr	3009860	n/a	Std 272	160	78.5	400V/3Ph/50Hz	Yes	20032818
21	1218	3.1	90.0	1353	115	RL130/M	120 kg/hr	3009861	n/a	Std 272	160	78.5	400V/3Ph/50Hz	Yes	20032818
23	1334	3.3	90.0	1482	126	RL130/M	120 kg/hr	3009861	n/a	Std 272	160	78.5	400V/3Ph/50Hz	Yes	20032818
25	1450	3.5	90.0	1611	137	RL190/M	140 kg/hr	3009863	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828

- Note:** Riello RL.. High/Low Series burner supplied with Wieland plug connectors as standard.  
 Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### CABK

Riello R40 G.. : 1 Stage (On/Off) Operation

8	98.7	0.9	90.2	110	9.3	R40 G20	2.25/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047
10	116	1.1	90.2	129	10.9	R40 G20	2.75/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047
12	145	1.3	90.3	161	13.7	R40 G20	3.50/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047

Riello R40 G..D & RL.. : 2 Stage (High/Low) Operation

8	98.7	0.9	90.2	110	9.3	R40 G20	2.00/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047
10	116	1.1	90.2	129	10.9	R40 G20	2.50/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047
12	145	1.3	90.3	161	13.7	R40 G20	3.00/60	n/a	n/a	Ext 178	180	73	230V/1Ph/50Hz	Yes	20033047
15	175	1.5	90.3	194	16.5	RL34 MZ	2.50/60	1.50/60	n/a	Ext 351	150	68	230V/1Ph/50Hz	Yes	3470611
18	209	1.7	90.4	232	19.7	RL34 MZ	2.75/60	2.00/60	n/a	Ext 351	150	68	230V/1Ph/50Hz	Yes	3470611
20	232	1.7	90.5	258	21.8	RL34 MZ	3.00/60	2.25/60	n/a	Ext 351	150	68	230V/1Ph/50Hz	Yes	3470611
25	290	2.1	90.5	322	27.3	RL34 MZ	4.00/60	2.50/60	n/a	Ext 351	150	68	230V/1Ph/50Hz	Yes	3470611
30	348	2.7	90.7	387	32.8	RL44 MZ 1ph	4.50/60°	3.50/60°	n/a	Ext 351	TBA	72	230V/1Ph/50Hz	Yes	3470711
30	348	2.7	90.7	387	32.8	RL44 MZ 3ph	4.50/60°	3.50/60°	n/a	Ext 351	TBA	72	400V/3Ph/50Hz	Yes	3470741
35	406	3.0	91.0	451	38.2	RL50	5.00/60°	4.00/60°	n/a	Ext 351	140	75.0	400V/3Ph/50Hz	Yes	3470811
40	465	3.2	91.4	517	43.8	RL50	6.00/60°	4.50/60°	n/a	Ext 351	140	75.0	400V/3Ph/50Hz	Yes	3470811
50	581	3.7	91.8	646	54.7	RL70	7.50/60°	5.50/60°	n/a	Ext 385	166	75.0	400V/3Ph/50Hz	Yes	3471713
60	697	3.9	92.2	774	65.6	RL70	9.00/60°	6.50/60°	n/a	Ext 385	166	75.0	400V/3Ph/50Hz	Yes	3471713
70	813	4.0	92.4	903	76.6	RL100	11.0/60°	7.00/60°	n/a	Ext 385	166	77.0	400V/3Ph/50Hz	Yes	3471813
80	930	4.5	92.4	1033	87.6	RL100	12.0/60°	8.50/60°	n/a	Ext 385	166	77.0	400V/3Ph/50Hz	Yes	3471813

**Note:** Riello R40 G.. On/Off Series burner price includes Wieland plug connector (3006386)  
Riello R40 G..D & RL.. High/Low Series burner supplied with Wieland plug connectors as standard.

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.



# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK

Riello RL../M : Modulating Operation

8	98.7	0.9	90.2	110	9.3	No offering at this output									
10	116	1.1	90.2	129	10.9	No offering at this output									
12	145	1.3	90.3	161	13.7	No offering at this output									
15	175	1.5	90.3	194	16.5	RL28/M	20 kg/hr	3009851	n/a	Ext 351	150	70	230V/1Ph/50Hz	Yes	20032782
18	209	1.7	90.4	232	19.7	RL28/M	20 kg/hr	3009851	n/a	Ext 351	150	70	230V/1Ph/50Hz	Yes	20032782
20	232	1.7	90.5	258	21.8	RL28/M	20 kg/hr	3009851	n/a	Ext 351	150	70	230V/1Ph/50Hz	Yes	20032782
25	290	2.1	90.5	322	27.3	RL28/M	40 kg/hr	3009853	n/a	Ext 351	150	70	230V/1Ph/50Hz	Yes	20032782
30	348	2.7	90.7	387	32.8	RL38/M	50 kg/hr	3009854	n/a	Ext 351	160	70.0	400V/3Ph/50Hz	Yes	20034202
35	406	3.0	91.0	451	38.2	RL38/M	50 kg/hr	3009854	n/a	Ext 351	160	70.0	400V/3Ph/50Hz	Yes	20034202
40	465	3.2	91.4	517	43.8	RL50/M	70 kg/hr	3009856	n/a	Ext 351	145	72.0	400V/3Ph/50Hz	Yes	20034203
50	581	3.7	91.8	646	54.7	RL70/M	60 kg/hr	3009855	n/a	Ext 385	170	75.0	400V/3Ph/50Hz	Yes	20034204
60	697	3.9	92.2	774	65.6	RL70/M	70 kg/hr	3009856	n/a	Ext 385	170	75.0	400V/3Ph/50Hz	Yes	20034204
70	813	4.0	92.4	903	76.6	RL100/M	80 kg/hr	3009857	n/a	Ext 385	170	77.0	400V/3Ph/50Hz	Yes	20034206
80	930	4.5	92.4	1033	87.6	RL100/M	90 kg/hr	3009858	n/a	Ext 385	170	77.0	400V/3Ph/50Hz	Yes	20034206

- Note:** Riello RL.. High/Low Series burner supplied with Wieland plug connectors as standard.  
 Riello RL../M Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)  
 Riello RL../M nozzles are type A3 45 degrees
- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
  - RL../M To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK PLUS

Riello RS.. : 2 Stage (High/Low) Operation

100	1210	5.0	90.6	1344	113.9	RL130	16.00/60°	11.00/60°	n/a	Ext 385	152	78.5	400V/3Ph/50Hz	Yes	3471913
130	1540	5.5	90.6	1711	145.0	RL190	20.0/60°	14.0/60°	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
160	1815	6.1	90.6	2017	170.9	RL190	24.0/60°	17.0/60°	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032719
200	2310	6.1	90.6	2567	217.5	RL250	30.0/60	22.0/60	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032711
250	2900	6.1	90.6	3222	273.1	RL300/B MZ	32.5/60	32.5/60	n/a	Std 510	TBA	83.0	400V/3Ph/50Hz	Yes	20034242

Riello RL../M and P/G: Modulating Operation

100	1210	5.0	90.6	1344	113.9	RL130/M	120 kg/hr	3009861	n/a	Ext 385	160	78.5	400V/3Ph/50Hz	Yes	20034272
130	1540	5.5	90.6	1711	145.0	RL190/M	150 kg/hr	3009864	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828
160	1815	6.1	90.6	2017	170.9	RL190/M	170 kg/hr	3009866	n/a	Std 370	200	83.9	400V/3Ph/50Hz	Yes	20032828
200	2310	6.1	90.6	2567	217.5	P300 P/G	225 kg/hr	3009320	n/a	Std 444	200	89.5	400V/3Ph/50Hz	Yes	20034245
250	2900	6.1	90.6	3222	273.1	P300 P/G	275 kg/hr	3009324	n/a	Std 444	200	89.5	400V/3Ph/50Hz	Yes	20034245

**Note:** Riello RL... High/Low Series burners supplied with Wieland plug connectors as standard.

Riello RL../M & PRESS../P/G Series burners price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 0 -10V operation)

Riello RL../M nozzles are type A3 45 degrees. Riello PRESS../P/G nozzles are type B5 45 degrees SA.

- RL../M To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110)  
ADD 'M' to code No
- PRESS../P/G To include the Riello 'RWF40' modulating controller (3010211) and temperature sensor (3010110)  
ADD 'M' to code No
- RL../M & PRESS../P/G To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal,  
ADD 'S' to code No

**KEY:** Res = Boiler Resistance, Eff = Boiler Efficiency, MGP = Minimum Gas Pressure, FCAD = Fully Closing Air Damper

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## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Heatmaster

Riello R40 G.. 1 Stage (On/Off) Operation

HM60	63	0.6	91.0	69	5.8	R40 G10	1.50/60°	n/a	n/a	Std 110	190	65.0	230V/1Ph/50Hz	Yes	3746467
HM70	63	0.6	91.0	69	5.8	R40 G10	1.50/60°	n/a	n/a	Std 110	190	65.0	230V/1Ph/50Hz	Yes	3746467
HM100	92	1.4	91.0	101	8.6	R40 G20	2.00/60°	n/a	n/a	Std 120	178	74.0	230V/1Ph/50Hz	Yes	3747469
HM200N	141.7	0.6	91.0	156	13.2	R40 G20	3.00/60°	n/a	n/a	Std 120	178	74.0	230V/1Ph/50Hz	Yes	3747469
HM200F	180	1.5	91.0	198	16.8	Gulliver RG4S	4.00/60°	n/a	n/a	Std 142	150	65.0	230V/1Ph/50Hz	Yes	3739650

Riello RDB.. 1 Stage (On/Off) Operation

HM60	63	0.6	91.0	69	5.8	RDB 3	1.50/60°	n/a	n/a	Std 78	180	63.0	230V/1Ph/50Hz	No	3748950
HM70	63	0.6	91.0	69	5.8	RDB 3	1.50/60°	n/a	n/a	Std 78	180	63.0	230V/1Ph/50Hz	No	3748950
HM100	92	1.4	91.0	101	8.6	RDB 4	2.00/60°	n/a	n/a	Std 111	175	66.0	230V/1Ph/50Hz	No	3748850
HM200N	141.7	0.6	91.0	156	13.2	n/a									
HM200F	180	1.5	91.0	198	16.8	n/a									

**Note:** Riello R40 G.. & RDB.. Series burners price includes Wieland plug connector (3006386)  
Riello Gulliver RG.. Series burner supplied with Wieland plug connectors as standard

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Delta Performance G - 35 sec' Gas Oil

Riello R40 G.. 1 Stage (On/Off) Operation

F25 HR	22	0.09	91%	24	2.0	R40 G3	0.50/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F25 HR	29.5	0.09	91%	32	2.7	R40 G3	0.65/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F35 HR	28.5	0.09	91%	31	2.7	R40 G3	0.65/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F35 HR	39.5	0.09	91%	43	3.7	R40 G5	0.85/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F45 HR	37.5	0.08	91%	41	3.5	R40 G5	0.85/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F45 HR	54	0.08	91%	59	5.0	R40 G10	1.25/60°	n/a	n/a	Std 108	190	65	230V/1Ph/50Hz	Yes	3746467
F55 HR	45	0.05	91%	49	4.2	R40 G5	1.00/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F55 HR	62	0.05	91%	68	5.8	R40 G10	1.35/60°	n/a	n/a	Std 108	190	65	230V/1Ph/50Hz	Yes	3746467

Riello RDB.. 1 Stage (On/Off) Operation

F25 HR	22	0.09	91%	24	2.0	RDB 2	0.50/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F25 HR	29.5	0.09	91%	32	2.7	RDB 2	0.65/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F35 HR	28.5	0.09	91%	31	2.7	RDB 2	0.65/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F35 HR	39.5	0.09	91%	43	3.7	RDB 3	0.85/60°	n/a	n/a	Std 78	180	63	230V/1Ph/50Hz	No	3748950
F45 HR	37.5	0.08	91%	41	3.5	RDB 3	0.85/60°	n/a	n/a	Std 79	180	63	230V/1Ph/50Hz	No	3748950
F45 HR	54	0.08	91%	59	5.0	RDB 3	1.25/60°	n/a	n/a	Std 80	180	63	230V/1Ph/50Hz	No	3748950
F55 HR	45	0.05	91%	49	4.2	RDB 3	1.00/60°	n/a	n/a	Std 79	180	63	230V/1Ph/50Hz	No	3748950
F55 HR	62	0.05	91%	68	5.8	RDB 3	1.35/60°	n/a	n/a	Std 80	180	63	230V/1Ph/50Hz	No	3748950

**Note:** Riello R40 G.. & RDB.. Series burners price includes Wieland plug connector (3006386)

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Gas Oil

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Oil Input (kg/hr)	Burner Model	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Nozzle 3 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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#### Delta Performance G - 28 sec' Kerosene

Riello R40 G.. 1 Stage (On/Off) Operation

F25 HR	22	0.09	91%	24	2.0	R40 G3	0.65/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F25 HR	29.5	0.09	91%	32	2.7	R40 G3	0.85/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F35 HR	28.5	0.09	91%	31	2.7	R40 G3	0.85/60°	n/a	n/a	Std 93	170	57	230V/1Ph/50Hz	Yes	20030780
F35 HR	39.5	0.09	91%	43	3.7	R40 G5	1.10/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F45 HR	37.5	0.08	91%	41	3.5	R40 G5	1.10/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F45 HR	54	0.08	91%	59	5.0	R40 G10	1.50/60°	n/a	n/a	Std 108	190	65	230V/1Ph/50Hz	Yes	3746467
F55 HR	45	0.05	91%	49	4.2	R40 G5	1.25/60°	n/a	n/a	Std 76	180	59	230V/1Ph/50Hz	Yes	20030785
F55 HR	62	0.05	91%	68	5.8	R40 G10	1.75/60°	n/a	n/a	Std 108	190	65	230V/1Ph/50Hz	Yes	3746467

Riello RDB.. 1 Stage (On/Off) Operation

F25 HR	22	0.09	91%	24	2.0	RDB 2	0.65/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F25 HR	29.5	0.09	91%	32	2.7	RDB 2	0.85/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F35 HR	28.5	0.09	91%	31	2.7	RDB 2	0.85/60°	n/a	n/a	Std 76	190	63	230V/1Ph/50Hz	No	3513603
F35 HR	39.5	0.09	91%	43	3.7	RDB 3	1.10/60°	n/a	n/a	Std 78	180	63	230V/1Ph/50Hz	No	3748950
F45 HR	37.5	0.08	91%	41	3.5	RDB 3	1.10/60°	n/a	n/a	Std 78	180	63	230V/1Ph/50Hz	No	3748950
F45 HR	54	0.08	91%	59	5.0	RDB 3	1.50/60°	n/a	n/a	Std 78	180	63	230V/1Ph/50Hz	No	3748950
F55 HR	45	0.05	91%	49	4.2	RDB 3	1.25/60°	n/a	n/a	Std 79	180	63	230V/1Ph/50Hz	No	3748950
F55 HR	62	0.05	91%	68	5.8	RDB 3	1.75/60°	n/a	n/a	Std 80	180	63	230V/1Ph/50Hz	No	3748950

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### SIME 2R & 2R GT Boiler

Riello RLS..2 Stage (High/Low) Operation

2R8	147	0.22	89.3	165	17.0	14.0	RLS28	MBZRDLE 412 1.25"	9.9	1.65/45	1.50/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R9	165	0.29	89.7	184	19.0	15.6	RLS28	MBZRDLE 412 1.25"	10.8	1.75/45	1.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R10	180	0.24	90.0	200	20.7	16.9	RLS28	MBZRDLE 412 1.25"	11.7	2.00/45	1.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R11	198	0.37	90.0	220	22.7	18.6	RLS28	MBZRDLE 412 1.25"	13.0	2.25/45	2.00/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R12	213	0.39	90.0	237	24.5	20.1	RLS28	MBZRDLE 412 1.25"	14.1	2.25/45	2.25/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R13	230	0.42	90.0	256	26.5	21.7	RLS28	MBZRDLE 412 1.25"	15.4	2.50/45	2.25/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R14	249	0.49	90.0	276	28.6	23.4	RLS28	MBZRDLE 412 1.25"	17.1	2.75/45	2.50/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
2R15	267	0.50	90.0	297	30.7	25.1	RLS28	MBZRDLE 412 1.25"	18.6	2.75/45	2.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
 Nozzles are sized @ 14 Bar pump pressure.  
 Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.  
 MGP above 18.0mbar - below 20.0mbar shown in **RED**

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**  
**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR3 Boiler

Riello RLS..2 Stage (High/Low) Operation

7	210	1.3	91.0	231	23.9	19.6	RLS28	MBZRDLE 412 1.25"	14.6	2.25/45	2.00/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
8	250	2.1	91.0	275	28.4	23.3	RLS28	MBZRDLE 415 1.5"	15.4	2.75/45	2.50/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0183
9	290	2.4	91.0	319	33.0	27.0	RLS38	MBZRDLE 420 2.0"	15.5	3.00/45	3.00/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
Nozzles are sized @ 14 Bar pump pressure.  
Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### NXR4 Boiler

Riello RLS..2 Stage (High/Low) Operation

409	320	1.5	91.0	352	36.4	29.8	RLS38	MBZRDLE 420 2.0"	15.5	3.50/45	3.00/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184
410	380	2.1	91.0	418	43.2	35.4	RLS38	MBZRDLE 420 2.0"	18.8	4.00/45	4.00/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184
411	440	2.2	91.0	484	50.1	41.0	RLS70	MBZRDLE 420 2.0"	13.3	4.50/45	4.50/45	Std 250	G-112/O-152	72.0	400V/3Ph/50Hz	Yes	20032836.0184
412	500	2.8	91.0	549	56.8	46.5	RLS70	MBZRDLE 420 2.0"	15.4	5.50/45	5.00/45	Std 250	G-112/O-152	72.0	400V/3Ph/50Hz	Yes	20032836.0184
413	560	3.3	91.0	615	63.6	52.1	RLS70	MBZRDLE 420 2.0"	17.3	6.00/45	5.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
414	620	3.3	91.0	681	70.4	57.7	RLS70	CBF65/2 2.5"	13.6	6.50/45	6.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155
415	680	4.5	91.0	747	77.2	63.3	RLS70	CBF65/2 2.5"	15.0	7.00/45	7.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155
416	740	5.0	91.0	813	84.1	68.9	RLS70	CBF65/2 2.5"	16.2	8.00/45	7.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155
417	800	5.0	91.0	879	90.9	74.5	RLS100	CBF80/2 3"	18.3	8.50/45	8.00/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032998.0156

Riello RLS../M MX BLU Modulating Gas - 2 Stage (High/Low) Oil Operation

410	380	2.1	91.0	418	43.2	35.4	RLS68/M MX	MBDLE 415 1.5"	12.8	4.00/60	4.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
411	440	2.2	91.0	484	50.1	41.0	RLS68/M MX	MBDLE 415 1.5"	14.8	4.50/60	4.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
412	500	2.8	91.0	549	56.8	46.5	RLS68/M MX	MBDLE 420 2.0"	15.9	5.50/60	5.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233	
413	560	3.3	91.0	615	63.6	52.1	RLS68/M MX	MBDLE 420 2.0"	19.2	6.00/60	5.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233	
414	620	3.3	91.0	681	70.4	57.7	RLS68/M MX	MBDLE 415 1.5"	28.1**	6.50/60	6.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
415	680	4.5	91.0	747	77.2	63.3	RLS68/M MX	MBDLE 415 1.5"	33.0**	7.00/60	7.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
416	740	5.0	91.0	813	84.1	68.9	RLS120/M MX	MBDLE 415 1.5"	35.7**	8.00/60	7.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
417	800	5.0	91.0	879	90.9	74.5	RLS120/M MX	MBDLE 415 1.5"	39.7**	8.50/60	8.00/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	N/A	3000200 + 201

**Note:** Riello RLS38 Series burner supplied with Wieland plug connectors as standard  
Riello RLS70 & 100 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)  
Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)  
**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

- RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No
- RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 1

Riello RLS..2 Stage (High/Low) Operation

175	175	1.10	92.7	189	19.5	16.0	RLS28	MBZRDLE 412 1.25"	11.9	1.75/45	1.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
232	238	1.45	92.8	256	26.5	21.7	RLS28	MBZRDLE 412 1.25"	16.5	2.50/45	2.25/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
290	297	1.80	92.9	320	33.0	27.1	RLS38	MBZRDLE 415 1.5"	17.5	3.00/45	3.00/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0183

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
Nozzles are sized @ 14 Bar pump pressure.  
Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2 C

Riello RLS..2 Stage (High/Low) Operation

348	354	2.2	93.1	380	39.3	32.2	RLS38	MBZRDLE 420 2.0"	17.3	3.50/45	3.50/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184	
465	475	2.7	93.4	509	52.6	43.1	RLS70	MBZRDLE 415 1.5"	18.1	5.00/45	4.50/45	Std 216	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
580	591	2.9	93.4	633	65.4	53.6	RLS70	MBZRDLE 420 2.0"	17.4	6.00/45	6.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
700	707	3.0	93.4	757	78.3	64.1	RLS70	CBF65/2 2.5"	13.5	7.50/45	7.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155	
815	822	3.2	93.4	880	91.0	74.6	RLS100	CBF65/2 2.5"	17.7	8.50/45	8.00/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155	
930	940	3.4	93.4	1006	104.1	85.3	RLS100	MBZRDLE 415 1.5"	41.1**	9.50/45	9.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032998.0183	
1210	1210	5.0	91.6	1321	136.6	111.9	RLS130	MBZRDLE 420 2.0" VP	43.5**	13.50/45	12.00/45	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

Riello RLS../M MX BLU Modulating Gas - 2 Stage (High/Low) Oil Operation

465	475	2.7	93.4	509	52.6	43.1	RLS68/M MX	MBDLE 415 1.5"	18.3	5.00/60	4.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
580	591	2.9	93.4	633	65.4	53.6	RLS68/M MX	MBDLE 420 2.0"	19.4	6.00/60	6.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233	
700	707	3.0	93.4	757	78.3	64.1	RLS68/M MX	MBC1200SE50 2.0"	18.7	7.50/60	7.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221	
815	822	3.2	93.4	880	91.0	74.6	RLS120/M MX	MBDLE 415 1.5"	37.9**	8.50/60	8.00/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
930	940	3.4	93.4	1006	104.1	85.3	RLS120/M MX	MBDLE 415 1.5"	47.1**	9.50/60	9.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
1210	1210	5.0	91.6	1321	136.6	111.9	RLS160/M MX	MBDLE 420 2.0" VP	43.9**	13.50/60	12.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

**Note:** Riello RLS38 Series burner supplied with Wieland plug connectors as standard

Riello RLS70 - 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Evolution 2

Riello RLS../M (MX & MZ) & BP MX - Modulating Gas - 2 Stage (High/Low) Oil Operation

1320	1320	6.0	91.0	1451	150.0	122.9	RLS160/M MX	MBDL 420 2.0" VP	49.1***	14.00/60	13.50/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
1570	1570	4.9	91.0	1725	178.4	146.2	RLS190/M MZ	MBDL 420 2.0" VP	54.2***	17.00/60	16.00/60	Std 412	G-120/O-180	85.0	400V/3Ph/50Hz	Yes	20033168.0234	
1850	1850	6.8	91.0	2033	210.2	172.3	RLS300/BP MX	VGDF65 CT 2.5"	29.6**	22.00/60	20.00/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
2200	2200	5.2	91.0	2418	250.0	204.9	RLS300/BP MX	VGDF65 CT 2.5"	36.6**	26.00/60	24.00/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
2650	2650	7.6	91.0	2912	301.1	246.8	RLS300/BP MX	VGDF65 CT 2.5"	50.6***	30.00/60	30.00/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
3000	3000	8.5	91.0	3297	340.9	279.4	RLS400/BP MX	VGDF80 CT 3.0"	48.9***	35.00/60	32.50/60	Std510	G-70/O-180	85.0	400V/3Ph/50Hz	Yes	20034845.0213	
3500	3500	7.8	91.0	3846	397.7	325.9	RLS400/BP MX	VGDF80 CT 3.0"	57.9***	40.00/60	40.00/60	Std510	G-70/O-180	85.0	400V/3Ph/50Hz	Yes	20034845.0213	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101
															*** Booster Model RB300 including Kit	400V/3Ph/50Hz	n/a	3000300 + 301

Riello GI/EMME.. Fully Modulating (Oil & Gas) Operation

1320	1320	6.0	91.0	1451	150.0	122.9	GI/EMME 2000	MBC1200 SE CT 2.0"	33.0**	125 kg/hr	3009312	Std 385	G-130/O-220	88.0	400V/3Ph/50Hz	Yes	20034834.0225	
1570	1570	4.9	91.0	1725	178.4	146.2	GI/EMME 2000	MBC1200 SE CT 2.0"	40.2**	150 kg/hr	3009314	Std 385	G-130/O-220	88.0	400V/3Ph/50Hz	Yes	20034834.0225	
1850	1850	6.8	91.0	2033	210.2	172.3	GI/EMME 3000	MBC1200 SE CT 2.0"	42.7**	175kg/h	3009316	Std 476	G-130/O-230	92.0	400V/3Ph/50Hz	Yes	20034247.0225	
2200	2200	5.2	91.0	2418	250.0	204.9	GI/EMME 3000	MBC1200 SE CT 2.0"	35.4***	225 kg/h	3009320	Std 476	G-130/O-230	92.0	400V/3Ph/50Hz	Yes	20034247.0225	
2650	2650	7.6	91.0	2912	301.1	246.8	GI/EMME 3000	MBC1900 SE CT 2.5"	57.1***	250 kg/h	3009322	Std 476	G-130/O-230	92.0	400V/3Ph/50Hz	Yes	20034247.0226	
3000	3000	8.5	91.0	3297	340.9	279.4	GI/EMME 4500	MBC3100 SE CT 3.0"	54.4***	300 kg/h	3009326	Std 476	G-130/O-230	93.1	400V/3Ph/50Hz	Yes	20034248.0227	
3500	3500	7.8	91.0	3846	397.7	325.9	GI/EMME 4500	MBC5000 SE CT 4.0"	54.9***	325 kg/h	3009328	Std 476	G-130/O-230	93.1	400V/3Ph/50Hz	Yes	20034248.0228	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101
															*** Booster Model RB300 including Kit	400V/3Ph/50Hz	n/a	3000300 + 301

**Note:** All burner prices include Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M (MX & MZ) - BP MX & GI/EMME.. Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Riello RLS../M (MX & MZ) nozzles are sized @ 14 Bar pump pressure.

Riello RLS../BP MX nozzles are sized @ 12 Bar pump pressure

Riello GI/EMME.. nozzles are type B5-SA 45 degrees.

- RLS../M (MX & MZ) To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No.
- RLS../BP MX To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110) ADD 'M' to code No
- GI/EMME.. To include the Riello 'RWF40' modulating controller (3010211) and temperature sensor (3010110) ADD 'M' to code No
- All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress C Boiler

Riello RLS..2 Stage (High/Low) Operation

180	180	0.8	91.9	196	20.3	16.6	RLS28	MBZRDLE 412 1.25"	12.0	2.00/45	1.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
240	240	1.2	92.3	260	26.9	22.0	RLS28	MBZRDLE 412 1.25"	16.5	2.50/45	2.50/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
300	300	1.3	92.6	324	33.5	27.5	RLS28	MBZRDLE 415 1.5"	17.1	3.00/45	3.00/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0183
400	400	1.4	92.4	433	44.8	36.7	RLS38	MBZRDLE 420 2.0"	19.0	4.00/45	4.00/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184
500	500	2.5	92.3	542	56.0	45.9	RLS70	MBZRDLE 420 2.0"	14.9	5.50/45	6.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
600	600	3.0	92.4	649	67.2	55.0	RLS70	MBZRDLE 420 2.0"	17.9	6.50/45	6.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
750	750	4.7	95.2	788	81.5	66.8	RLS70	CBF65/2 2.5"	15.6	7.50/45	7.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155

Riello RLS../M MX BLU Modulating Gas - 2 Stage (High/Low) Oil Operation

400	400	1.4	92.4	433	44.8	36.7	RLS68/M MX	MBDLE 415 1.5"	13.0	4.00/60	4.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232
500	500	2.5	92.3	542	56.0	45.9	RLS68/M MX	MBDLE 420 2.0"	15.3	5.50/60	6.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233
600	600	3.0	92.4	649	67.2	55.0	RLS68/M MX	MBC1200SE50 2.0"	15.9	6.50/60	6.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221
750	750	4.7	95.2	788	81.5	66.8	RLS120/M MX	MBDLE 415 1.5"	34.0**	7.50/60	7.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232

\*\* Booster Model RB200 including Kit

**Note:** Riello RLS28 & 38 Series burners supplied with Wieland plug connectors as standard

Riello RLS70 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### Arizona Progress Boiler

Riello RLS..2 Stage (High/Low) Operation & GI/EMME.. Fully Modulating (Oil & Gas) Operation

840	840	5.8	91.8	915	94.6	77.5	RLS100	MBZRDLE 420 2.0"	29.6**	9.00/45	8.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032998.0184	
1100	1100	6.2	91.8	1198	123.9	101.5	RLS130	MBZRDLE 420 2.0"	39.3**	12.00/45	11.00/45	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20032998.0184	
1320	1320	8.5	91.8	1438	148.7	121.9	GI/EMME 2000	MBC1200 SE CT 2.0"	35.2**	125 kg/hr	3009312	Std 385	G-130/O-220	88.0	400V/3Ph/50Hz	Yes	20034834.0225	
1600	1600	5.5	91.8	1743	180.2	147.7	GI/EMME 2000	MBC1200 SE CT 2.0"	41.3**	150 kg/hr	3009314	Std 385	G-130/O-220	88.0	400V/3Ph/50Hz	Yes	20034834.0225	
1900	1900	7.3	91.8	2070	214.0	175.4	GI/EMME 3000	MBC1200 SE CT 2.0"	44.3**	175kg/h	3009316	Std 476	G-130/O-230	92.0	400V/3Ph/50Hz	Yes	20034247.0225	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

Riello RLS../M (MX & MZ) & BP MX - Modulating Gas - 2 Stage (High/Low) Oil Operation

840	840	5.8	91.8	915	94.6	77.5	RLS120/M MX	MBDL 415 1.5"	42.9**	9.00/60	8.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
1100	1100	6.2	91.8	1198	123.9	101.5	RLS160/M MX	MBDL 420 2.0"	34.9**	12.00/60	11.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0233	
1320	1320	8.5	91.8	1438	148.7	121.9	RLS190/M MZ	MBC1200 SE CT 2.0"	34.3**	13.50/60	13.50/60	Std 412	G-120/O-180	85.0	400V/3Ph/50Hz	Yes	20033168.0234	
1600	1600	5.5	91.8	1743	180.2	147.7	RLS190/M MZ	MBC1200 SE CT 2.0"	40.6**	17.00/60	16.00/60	Std 412	G-120/O-180	85.0	400V/3Ph/50Hz	Yes	20033168.0234	
1900	1900	7.3	91.8	2070	214.0	175.4	RLS300/BP MX	VGDF65 CT 2.5"	30.9**	22.00/60	20.00/60	Std 510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

### Note:

Riello RLS100 & 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M (MX & MZ) - BP MX & GI/EMME..Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M (MX & MZ) - BP MX & GI/EMME.. Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Riello RLS.. nozzles are sized @ 14 Bar pump pressure.

Riello GI/EMME.. nozzles are type B5-SA 45 degrees.

- RLS../M (MX & MZ) To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No.
- RLS../BP MX To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110) ADD 'M' to code No
- GI/EMME.. To include the Riello 'RWF40' modulating controller (3010211) and temperature sensor (3010110) ADD 'M' to code No
- GI/EMME.. & RLS.. To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 330

Riello RLS..2 Stage (High/Low) Operation

336	180	1.1	88.0	205	21.1	17.3	RLS28	MBZRDLE 412 1.25"	12.8	2.00/45	1.75/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
337	230	1.6	88.0	261	27.0	22.2	RLS28	MBZRDLE 412 1.25"	17.4	2.50/45	2.50/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152
338	280	2.2	88.0	318	32.9	27.0	RLS28	MBZRDLE 415 1.5"	17.7	3.00/45	3.00/45	Std 191	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0183
339	330	2.5	88.0	375	38.8	31.8	RLS38	MBZRDLE 420 2.0"	17.4	3.50/45	3.50/45	Std 201	G-105/O-170	70.0	230V/1Ph/50Hz	Yes	20032981.0184

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
 Nozzles are sized @ 14 Bar pump pressure.  
 Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 430

Riello RLS..2 Stage (High/Low) Operation

430-8	390	1.1	88.0	443	45.8	37.6	RLS50	MBZRDLE 420 2"	17.3	4.50/45	4.00/45°	Std 191	G-102/O-160	64.0	400V/3Ph/50Hz	Yes	20032988.0184
430-9	450	1.5	88.0	511	52.9	43.3	RLS70	MBZRDLE 415 1.5"	17.0	5.00/45	4.50/45	Std 216	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
430-10	540	2.0	88.0	614	63.5	52.0	RLS70	MBZRDLE 420 2.0"	16.0	6.00/45	5.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
430-11	600	2.5	88.0	682	70.5	57.8	RLS70	MBZRDLE 420 2.0"	18.3	6.50/45	6.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184
430-12	670	2.5	88.0	761	78.7	64.5	RLS70	CBF65/2 2.5"	13.1	7.50/45	7.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155
430-13	720	2.5	88.0	818	84.6	69.3	RLS100	CBF65/2 2.5"	16.1	8.00/45	7.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155
430-14	780	3.5	88.0	886	91.7	75.1	RLS100	CBF65/2 2.5"	18.1	8.50/45	8.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155

Riello RLS../M (MX & MZ) - Modulating Gas -2 Stage (High/Low) Oil Operation

430-8	390	1.1	88.0	443	45.8	37.6	RLS68/M MX	MBDLE 415 1.5"	13.3	4.50/60	4.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232
430-9	450	1.5	88.0	511	52.9	43.3	RLS68/M MX	MBDLE 415 1.5"	17.2	5.00/60	4.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232
430-10	540	2.0	88.0	614	63.5	52.0	RLS68/M MX	MBDLE 420 2.0"	17.8	6.00/60	5.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233
430-11	600	2.5	88.0	682	70.5	57.8	RLS68/M MX	MBC1200SE50 2.0"	16.1	6.50/60	6.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221
430-12	670	2.5	88.0	761	78.7	64.5	RLS68/M MX	MBC1200SE50 2.0"	18.3	7.50/60	7.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221
430-13	720	2.5	88.0	818	84.6	69.3	RLS68/M MX	MBDLE 415 1.5"	34.5**	8.00/60	7.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232
430-14	780	3.5	88.0	886	91.7	75.1	RLS120/M MX	MBDLE 415 1.5"	38.6**	8.50/60	8.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232

\*\* Booster Model RB200 including Kit

400V/3Ph/50Hz n/a 3000200 + 101

**Note:** Riello RLS50 Series burners supplied with Wieland plug connectors as standard

Riello RLS70 & 100 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.	
<b>GT 530 (GT 7 - GT 16)</b>																		
Riello RLS..2 Stage (High/Low) Operation																		
GT 7	406	1.7	90.9	447	46.2	37.9	RLS50	MBZRDLE 420 2"	18.0	4.50/45	4.00/45°	Std 191	G-102/O-160	64.0	400V/3Ph/50Hz	Yes	20032988.0184	
GT 8	464	1.8	91.3	508	52.6	43.1	RLS70	MBZRDLE 415 1.5"	17.3	5.00/45	4.50/45	Std 216	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
GT 9	522	1.8	91.4	571	59.1	48.4	RLS70	MBZRDLE 420 2.0"	15.0	5.50/45	5.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
GT 10	580	1.9	91.7	632	65.4	53.6	RLS70	MBZRDLE 420 2.0"	16.4	6.00/45	6.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
GT 11	638	2.0	90.8	703	72.7	59.5	RLS70	MBZRDLE 420 2.0"	18.3	7.00/45	6.50/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
GT 12	696	2.1	90.5	769	79.5	65.2	RLS70	CBF65/2 2.5"	12.8	7.50/45	7.00/45	Std 250	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0155	
GT 13	754	2.1	90.7	831	86.0	70.5	RLS100	CBF65/2 2.5"	15.9	8.00/45	7.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155	
GT 14	812	2.3	91.2	890	92.1	75.5	RLS100	CBF65/2 2.5"	17.0	8.50/45	8.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155	
GT 15	870	2.4	90.0	967	100.0	81.9	RLS100	CBF65/2 2.5"	18.4	9.50/45	9.00/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0155	
GT 16	928	2.5	90.6	1024	105.9	86.8	RLS100	MBZRDLE 415 1.5"	41.2**	10.00/45	9.50/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0183	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

## Riello RLS../M (MX & MZ) - Modulating Gas -2 Stage ( High/Low) Oil Operation

GT 7	406	1.7	90.9	447	46.2	37.9	RLS68/M MX	MBDLE 415 1.5"	14.1	4.50/60	4.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
GT 8	464	1.8	91.3	508	52.6	43.1	RLS68/M MX	MBDLE 415 1.5"	17.4	5.00/60	4.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0232	
GT 9	522	1.8	91.4	571	59.1	48.4	RLS68/M MX	MBDLE 420 2.0"	15.8	6.00/60	6.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0233	
GT 10	580	1.9	91.7	632	65.4	53.6	RLS68/M MX	MBDLE 420 2.0"	18.4	7.00/60	6.50/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	200324838.0233	
GT 11	638	2.0	90.8	703	72.7	59.5	RLS68/M MX	MBC1200SE50 2.0"	16.1	7.50/60	7.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221	
GT 12	696	2.1	90.5	769	79.5	65.2	RLS68/M MX	MBC1200SE50 2.0"	18.1	7.50/60	7.00/60	Std 260	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034838.0221	
GT 13	754	2.1	90.7	831	86.0	70.5	RLS120/M MX	MBDLE 415 1.5"	33.9**	8.00/60	7.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
GT 14	812	2.3	91.2	890	92.1	75.5	RLS120/M MX	MBDLE 415 1.5"	37.7**	8.50/60	8.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
GT 15	870	2.4	90.0	967	100.0	81.9	RLS120/M MX	MBDLE 415 1.5"	43.2**	9.50/60	9.00/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
GT 16	928	2.5	90.6	1024	105.9	86.8	RLS120/M MX	MBDLE 415 1.5"	47.6**	10.00/60	9.50/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

**Note:** Riello RLS50 Series burners supplied with Wieland plug connectors as standard  
 Riello RLS70 & 100 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)  
 Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)  
**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

- RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No
- RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### GT 530 (GT 17 - GT 25)

Riello RLS..2 Stage (High/Low) Operation

GT 17	986	2.6	90.2	1093	113.0	92.6	RLS100	MBZRDLE 415 1.5"	45.9**	11.00/45	10.00/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0183	
GT 18	1044	2.7	91.0	1147	118.6	97.2	RLS100	MBZRDLE 420 2.0"	34.2**	11.00/45	11.00/45	Std 250	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032998.0184	
GT 19	1102	2.9	90.6	1216	125.8	103.1	RLS130	MBZRDLE 420 2.0" VP	36.8**	12.00/45	11.00/45	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185	
GT 20	1160	3.0	91.5	1268	131.1	107.4	RLS130	MBZRDLE 420 2.0" VP	39.2**	12.00/45	12.00/45	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185	
GT 21	1218	3.1	91.2	1336	138.1	113.2	RLS130	MBZRDLE 420 2.0" VP	42.3**	13.50/45	12.00/45	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

Riello RLS../M (MX & MZ) - Modulating Gas -2 Stage ( High/Low) Oil Operation

GT 17	986	2.6	90.2	1093	113.0	92.6	RLS120/M MX	MBDLE 420 2.0"	40.3**	11.00/60	10.00/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
GT 18	1044	2.7	91.0	1147	118.6	97.2	RLS120/M MX	MBDLE 420 2.0"	43.1**	11.00/60	11.00/60	Std 260	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
GT 19	1102	2.9	90.6	1216	125.8	103.1	RLS160/M MX	MBDLE 420 2.0" VP	36.3**	12.00/60	11.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
GT 20	1160	3.0	91.5	1268	131.1	107.4	RLS160/M MX	MBDLE 420 2.0" VP	39.2**	12.00/60	12.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
GT 21	1218	3.1	91.2	1336	138.1	113.2	RLS160/M MX	MBDLE 420 2.0" VP	42.2**	13.50/60	12.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
GT 22	1276	3.2	90.9	1404	145.2	119.0	RLS160/M MX	MBDLE 420 2.0" VP	44.6**	13.50/60	13.50/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
GT 23	1334	3.3	91.1	1464	151.4	124.1	RLS160/M MX	MBC1200 SE CT 2.0"	29.8**	14.00/60	13.50/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0225	
GT 24	1400	3.4	90.7	1544	159.6	130.8	RLS160/M MX	MBC1200 SE CT 2.0"	32.6**	15.00/60	14.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0225	
GT 25	1450	3.5	90.9	1595	165.0	135.2	RLS160/M MX	MBC1200 SE CT 2.0"	34.5**	15.00/60	15.00/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0225	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

### Note:

Riello RLS100 & 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

- RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No
- RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P320

Riello RLS.. : 2 Stage (High/Low) Operation

6	180	1.1	88.0	205	21.1	17.3	RLS28	MBZRDLE 412 1.25"	12.8	2.00/45°	1.75/45°	Std 191	G-95/O-160	64.0	230V/1Ph/50Hz	Yes	20032946.0152
7	230	1.6	88.0	261	27.0	22.2	RLS28	MBZRDLE 412 1.25"	17.0	2.50/45°	2.50/45°	Std 191	G-95/O-160	64.0	230V/1Ph/50Hz	Yes	20032946.0152
8	280	2.2	88.0	318	32.9	27.0	RLS28	MBZRDLE 415 1.5"	17.7	3.00/45°	3.00/45°	Std 191	G-95/O-160	64.0	230V/1Ph/50Hz	Yes	20032946.0183
9	330	2.5	88.0	375	38.8	31.8	RLS38	MBZRDLE 420 2.0"	17.4	3.50/45°	3.50/45°	Std 201	G-105/O-170	65.0	230V/1Ph/50Hz	Yes	20032981.0184

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
 Nozzles are sized @ 14 Bar pump pressure.  
 Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P420

Riello RLS.. : 2 Stage (High/Low) Operation

8	390	1.1	88.0	443	45.8	37.6	RLS50	MBZRDLE 420 2.0"	17.3	4.50/45°	4.00/45°	Std 216	G-102/O-160	66.0	400V/3Ph/50Hz	Yes	20032988.0184
9	450	1.5	88.0	511	52.9	43.3	RLS70	MBZRDLE 420 2.0"	17.0	5.00/45°	4.50/45°	Std 250	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0184
10	540	2.0	88.0	614	63.5	52.0	RLS70	MBZRDLE 420 2.0"	16.0	6.00/45°	5.50/45°	Std 250	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0184
11	600	2.5	88.0	682	70.5	57.8	RLS70	MBZRDLE 420 2.0"	18.3	6.50/45°	6.50/45°	Std 250	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0184
12	670	2.5	88.0	761	78.7	64.5	RLS70	CBF 65/2 2.5"	13.1	7.50/45°	7.00/45°	Std 250	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0155
13	720	2.5	88.0	818	84.6	69.3	RLS100	CBF 65/2 2.5"	16.1	8.00/45°	7.50/45°	Std 250	G-115/O-160	75.0	400V/3Ph/50Hz	Yes	20032836.0155
14	780	3.5	88.0	886	91.7	75.1	RLS100	CBF 65/2 2.5"	18.1	8.50/45°	8.50/45°	Std 250	G-115/O-160	75.0	400V/3Ph/50Hz	Yes	20032836.0155

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
Riello RLS70 - 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)  
Nozzles are sized @ 14 Bar pump pressure.  
Fully modulating (Oil & Gas) burners available on request  
Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.  
MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.	
<b>P420</b>																		
Riello RLS../M MX BLU : Modulating Gas - 2 Stage (High/Low) Oil Operation																		
8	390	1.1	88.0	443	45.8	37.6	RLS68/M MX	MBDLE 420 2"	9.9	4.50/60°	4.00/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0233	
9	450	1.5	88.0	511	52.9	43.3	RLS68/M MX	MBDLE 420 2"	13.1	5.00/60°	4.50/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0233	
10	540	2.0	88.0	614	63.5	52.0	RLS68/M MX	MBDLE 420 2"	17.8	6.00/60°	5.50/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0233	
11	600	2.5	88.0	682	70.5	57.8	RLS68/M MX	MBC1200 SE 2.0"	16.1	6.50/60°	6.50/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0221	
12	670	2.5	88.0	761	78.7	64.5	RLS68/M MX	MBC1200 SE 2.0"	18.3	7.50/60°	7.00/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0221	
13	720	2.5	88.0	818	84.6	69.3	RLS68/M MX	MBDLE 420 2"	27.4**	8.00/60°	7.50/60°	Std 260	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034838.0233	
14	780	3.5	88.0	886	91.7	75.1	RLS120/M MX	MBDLE 420 2"	29.7**	8.50/60°	8.50/60°	Std 255	G-80/O-155	78.5	400V/3Ph/50Hz	Yes	20034840.0232	
													**	Booster Model	RB200 Including Kit	400V/3Ph/50Hz	n/a	3000200 + 101

**Note:** Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version. Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RLS.. : 2 Stage (High/Low) Operation

13	754	2.2	90.0	838	86.6	71.0	RLS100	CBF 65/2 2.0"	17.1	8.00/45°	7.50/45°	Std 250	G-115/O-160	75.0	400V/3Ph/50Hz	Yes	20032836.0155
15	870	2.4	90.0	967	100.0	81.9	RLS100	CBF 65/2 2.0"	18.4	9.00/45°	9.00/45°	Std 250	G-115/O-160	75.0	400V/3Ph/50Hz	Yes	20032836.0155
17	986	2.6	90.0	1096	113.3	92.8	RLS100	MBZRDLE 420 2.0"	35.0**	10.00/45°	10.00/45°	Std 250	G-115/O-160	75.0	400V/3Ph/50Hz	Yes	20032998.0184
19	1102	2.9	90.0	1224	126.6	103.8	RLS130	MBZRDLE 420 2.0"VP	42.1**	12.00/45°	11.00/45°	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185
21	1218	3.1	90.0	1353	140.0	114.7	RLS130	MBZRDLE 420 2.0"VP	47.5**	13.00/45°	12.00/45°	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185
									**	Booster Model	RB200 Including Kit		400V/3Ph/50Hz	n/a	3000200 + 101		

### Note:

Riello RLS100 & 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS160/M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX - Series burners to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• RLS../M MX To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• RLS../M MX To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### P520

Riello RLS../M MX BLU : Modulating Gas - 2 Stage (High/Low) Oil Operation

13	754	2.2	90.0	837.8	86.6	71.0	RLS120/M MX	MBDL 420 2"	30.2**	8.00/60°	7.50/60°	Std 255	G-80/O-155	78.5	400V/3Ph/50Hz	Yes	20034840.0232
15	870	2.4	90.0	966.7	100.0	81.9	RLS120/M MX	MBC1200 SE 2.0"	24.4**	9.00/60°	9.00/60°	Std 255	G-80/O-155	79	400V/3Ph/50Hz	Yes	20034840.0221
17	986	2.6	90.0	1095.6	113.3	92.8	RLS120/M MX	MBC1200 SE 2.0"	29.6**	10.00/60°	10.00/60°	Std 255	G-80/O-155	79	400V/3Ph/50Hz	Yes	20034840.0221
19	1102	2.9	90.0	1224.4	126.6	103.8	RLS160/M MX	MBC1200 SE 2.0" CT	23.9**	12.00/60°	11.00/60°	Std 255	G-80/O-155	79	400V/3Ph/50Hz	Yes	20034842.0225
21	1218	3.1	90.0	1353.3	140.0	114.7	RLS160/M MX	MBC1200 SE 2.0" CT	27.0**	13.00/60°	12.00/60°	Std 255	G-80/O-155	81	400V/3Ph/50Hz	Yes	20034842.0225
23	1334	3.3	90.0	1482.2	153.3	125.6	RLS160/M MX	MBC1200 SE 2.0" CT	30.8**	14.00/60°	14.00/60°	Std 373	G-80/O-155	81	400V/3Ph/50Hz	Yes	20034842.0225
25	1450	3.5	90.0	1611.1	166.6	136.5	RLS160/M MX	MBC1200 SE 2.0" CT	34.5**	15.00/60°	15.00/60°	Std 373	G-80/O-155	81	400V/3Ph/50Hz	Yes	20034842.0225
									**	Booster Model	RB200 Including Kit		400V/3Ph/50Hz	n/a	3000200 + 101		

**Note:** Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m³/hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK

Riello RLS.. : 2 Stage (High/Low) Operation

8	98.7	0.9	90.2	109.7	11.3	9.3	No offering at this output											
10	116	1.1	90.2	128.9	13.3	10.9	No offering at this output											
12	145	1.3	90.3	161.1	16.7	13.7	No offering at this output											
15	175	1.5	90.3	194.4	20.1	16.5	RLS28	MBZRDLE 412 1.25"	12.6	2.00/45	1.75/45	Ext 326	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152	
18	209	1.7	90.4	232.2	24.0	19.7	RLS28	MBZRDLE 412 1.25"	15.0	2.25/45	2.00/45	Ext 326	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152	
20	232	1.7	90.5	257.8	26.7	21.8	RLS28	MBZRDLE 412 1.25"	16.8	2.50/45	2.25/45	Ext 326	G-95/O-160	68.0	230V/1Ph/50Hz	Yes	20032946.0152	
25	290	2.1	90.5	322.2	33.3	27.3	RLS28	MBZRDLE 415 1.5"	17.5	3.00/45°	3.00/45°	Ext 326	G-95/O-160	64.0	230V/1Ph/50Hz	Yes	20032946.0183	
30	348	2.7	90.7	386.7	40.0	32.8	RLS38	MBZRDLE 420 2.0"	17.4	3.50/45°	3.50/45°	Std 201	G-105/O-170	65.0	230V/1Ph/50Hz	Yes	20032981.0184	
35	406	3.0	91.0	451.1	46.7	38.2	RLS50	MBZRDLE 420 2.0"	19.3	4.50/45°	4.00/45°	Ext 351	G-102/O-160	66.0	400V/3Ph/50Hz	Yes	20032988.0184	
40	465	3.2	91.4	516.7	53.4	43.8	RLS70	MBZRDLE 420 2.0"	14.9	5.00/45°	4.50/45°	Ext 385	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0184	
50	581	3.7	91.8	645.6	66.8	54.7	RLS70	MBZRDLE 420 2.0"	18.2	6.00/45°	6.00/45°	Ext 385	G-112/O-152	67.0	400V/3Ph/50Hz	Yes	20032836.0184	
60	697	3.9	92.2	774.4	80.1	65.6	RLS70	MBZRDLE 415 1.5"	28.4**	7.50/45	7.00/45	Ext 385	G-112/O-152	74.0	400V/3Ph/50Hz	Yes	20032836.0184	
70	813	4.0	92.4	903.3	93.4	76.6	RLS100	MBZRDLE 415 1.5"	35.5**	8.50/45	8.00/45	Ext 385	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0183	
80	930	4.5	92.4	1033.3	106.9	87.6	RLS100	MBZRDLE 415 1.5"	42.2**	9.50/45	9.50/45	Ext 385	G-115/O-160	77.5	400V/3Ph/50Hz	Yes	20032836.0183	
									**	Booster Model		RB200 Including Kit		400V/3Ph/50Hz		n/a	3000200 + 101	

**Note:** Riello RLS28 - 50 Series burners supplied with Wieland plug connectors as standard  
Riello RLS70 - 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)  
Nozzles are sized @ 14 Bar pump pressure.  
Fully modulating (Oil & Gas) burners available on request  
Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.  
MGP above 18.0mbar - below 20.0mbar shown in RED

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions  
If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**

# HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

## Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK

Riello RLS../M MX BLU : Modulating Gas - 2 Stage (High/Low) Oil Operation

8	98.7	0.9	90.2	109.7	11.3	9.3	No offering at this output										
10	116	1.1	90.2	128.9	13.3	10.9	No offering at this output										
12	145	1.3	90.3	161.1	16.7	13.7	No offering at this output										
15	175	1.5	90.3	194.4	20.1	16.5	No offering at this output										
18	209	1.7	90.4	232.2	24.0	19.7	No offering at this output										
20	232	1.7	90.5	257.8	26.7	21.8	No offering at this output										
25	290	2.1	90.5	322.2	33.3	27.3	No offering at this output										
30	348	2.7	90.7	386.7	40.0	32.8	RLS68/M MX MBDLE 415 1.5"	12.2	4.00/60	3.50/60	Ext 395	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034839.0232	
35	406	3.0	91.0	451.1	46.7	38.2	RLS68/M MX MBDLE 415 1.5"	15.9	4.50/60	4.00/60	Ext 395	G-75/O-170	76.0	400V/3Ph/50Hz	Yes	20034839.0232	
40	465	3.2	91.4	516.7	53.4	43.8	RLS68/M MX MBDLE 420 2"	15.2	5.00/60°	4.50/60°	Ext 395	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034839.0233	
50	581	3.7	91.8	645.6	66.8	54.7	RLS68/M MX MBC1200 SE 2.0"	11.8	6.00/60°	6.00/60°	Ext 395	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034839.0221	
60	697	3.9	92.2	774.4	80.1	65.6	RLS68/M MX MBC1200 SE 2.0"	14.3	7.50/60°	7.00/60°	Ext 395	G-80/O-155	80.0	400V/3Ph/50Hz	Yes	20034839.0221	
70	813	4.0	92.4	903.3	93.4	76.6	RLS120/M MX MBDLE 415 1.5"	38.7**	8.50/60	8.00/60	Ext 395	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
80	930	4.5	92.4	1033.3	106.9	87.6	RLS120/M MX MBDLE 415 1.5"	48.2**	9.50/60	9.50/60	Ext 395	G-75/O-170	79.0	400V/3Ph/50Hz	Yes	20034840.0232	
								**	Booster Model		RB200 Including Kit			400V/3Ph/50Hz	n/a	3000200 + 101	

**Note:** Riello RLS../M MX Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M MX Series to operate as 2 stage progressive a 3 position thermostat is required. (To be supplied by Boiler Manufacturer)**

Nozzles are sized @ 14 Bar pump pressure.

• All burners To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No

• All burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

Fully modulating (Oil & Gas) burners available on request

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.

MGP above 18.0mbar - below 20.0mbar shown in **RED**

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure. (Booster supplied with anti-vibration mounts and flexible connections)

**Burner & Gas Train selected based on standard design requirements (as stated in IGE/UP/2) of 20mbar gas pressure available at the appliance under max flow conditions.**

**If this pressure is not available - please consult Riello Ltd or website [www.rielloburners.co.uk](http://www.rielloburners.co.uk) for alternative matching.**



## HEVAC Limited: Riello Ltd Burner Matching Schedule

See Front Cover For Current Version



Please ensure that the boiler technical information detailed is correct when specifying a boiler / burner combination, and that the schedule is the latest version  
Site conditions and technical configuration may affect the burner matching, and therefore this schedule should be used as a guide only.

### Fuel Type: Dual Fuel

Model No.	Output (kW)	Res (mbar)	Eff (%)	Input (kW)	Gas Flow (m <sup>3</sup> /hr)	Oil Input (kg/hr)	Burner Model	Gas train Details	MGP (mbar)	Nozzle 1 (GPH)	Nozzle 2 (GPH)	Comb head (mm)	NOx (mg/kWh)	Noise (dBA)	Burner Supply Voltage	FCAD	Riello Code No.
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### CABK PLUS

Riello RS.. : 2 Stage (High/Low) Operation

100	1210	5.0	90.6	1344.4	139.0	113.9	RLS130	MBZRDLE 420 2.0"VP	44.1**	13.0/45°	12.0/45°	Std 250	G-125/O-155	80.0	400V/3Ph/50Hz	Yes	20033000.0185	
130	1540	5.5	90.6	1711.1	177.0	145.0	RLS190/M MZ	MBC1200 SE CT 2.0"	39.2**	16.0/45°	16.0/45°	Std 412	G-120/O-180	85.0	400V/3Ph/50Hz	Yes	20033168.0225	
160	1815	6.1	90.6	2016.7	208.5	170.9	RLS190/M MZ	MBC1900 SE CT 2.50"	41.5**	19.0/45°	19.0/45°	Std 412	G-120/O-180	85.0	400V/3Ph/50Hz	Yes	20033168.0226	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101
															*** Booster Model RB300 including Kit	400V/3Ph/50Hz	n/a	3000300 + 301

Riello RLS../M MX BLU : Modulating Gas - 2 Stage (High/Low) Oil Operation

100	1210	5.0	90.6	1344.4	139.0	113.9	RLS160/M MX	MBDLE 420 2.0" VP	49.3**	13.5/60	12.0/60	Std 373	G-75/O-170	80.5	400V/3Ph/50Hz	Yes	20034842.0234	
130	1540	5.5	90.6	1711.1	177.0	145.0	RLS300/BP MX	VGDF50 CT 2.0"	35.5**	17.0/60	17.0/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0215	
160	1815	6.1	90.6	2016.7	208.5	170.9	RLS300/BP MX	VGDF65 CT 2.5"	28.3**	20.0/60	20.0/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
200	2310	6.1	90.6	2566.7	265.4	217.5	RLS300/BP MX	VGDF65 CT 2.5"	40.5**	26.0/60	26.0/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
250	2900	6.1	90.6	3222.2	333.2	273.1	RLS300/BP MX	VGDF65 CT 2.5"	57.4***	32.5/60	32.5/60	Std510	G-70/O-180	83.0	400V/3Ph/50Hz	Yes	20034844.0212	
															** Booster Model RB200 including Kit	400V/3Ph/50Hz	n/a	3000200 + 101
															*** Booster Model RB300 including Kit	400V/3Ph/50Hz	n/a	3000300 + 301

### Note:

Riello RLS100 & 130 Series burners price includes Wieland plug connectors (WS0051776 & WS0051778)

Riello RLS../M (MX & MZ) - BP MX & GI/EMME..Series burner price includes Wieland plug connectors (WS0051776 - additional WS0051778 required if 2 stage progressive or 0 - 10V operation.)

**For Riello RLS../M (MX & MZ) - BP MX & GI/EMME.. Series to operate as 2 stage progressive a 3 position thermostat is required. (Supplied by Boiler Manufacturer)**

Riello RLS.. nozzles are sized @ 14 Bar pump pressure.

Riello GI/EMME.. nozzles are type B5-SA 45 degrees.

- RLS../M (MX & MZ) To include the Riello 'RWF40' modulating controller (3010212) and temperature sensor (3010110) ADD 'M' to code No.
- RLS../BP MX To include the Riello 'RWF40' modulating controller (3010356) and temperature sensor (3010110) ADD 'M' to code No
- All Burners To include the Riello Signal Converter (3006165), for operation from a 0-10V BMS signal, ADD 'S' to code No

\* symbol de-notes booster model required. Boosters sized presuming 20mbar incoming gas pressure.(Booster supplied with anti-vibration mounts and flexible connections)

Burners can be supplied for operation on Kerosene/Gas Oil/ULS Oil & Bio Diesel (subject to specification) See Page 5.

Riello RLS../M MX Series burners can be supplied for operation on Bio Diesel (subject to specification,) on request.