



ADVANCE



EASYLIFE



PROJECT

# GTU C 330

## POWER RANGES



GTU C 330

GTU C 330



56.7-291.2 kW

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Options and example of installation for GTU C 330

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COMMERCIAL

**FROM 56.7 TO 157.3 kW**  
for chimney connection

# GTU C 334 TO GTU C 336



Fuel oil condensing boilers with integrated fuel oil burner, for heating only



- Fuel oil condensing boiler
- **Annual operating efficiency up to 104%**
- **Mini flow temperature: 30°C**
- Heating body in bulk in eutectic cast iron
- 3-path flue way design
- Pressurised high volume combustion chamber and low gas resistance
- Doors with reversible hinges
- Reinforced insulation, low stand-by losses
- External tubular corrosion-resistant exchanger condenser in ceramic, impervious to thermal shock and with a high conductivity coefficient; hydraulic bypass connection to the return
- Connection between principal body and condenser by hydraulic connection kit which includes the load pump and the stove connection fitting with integrated sweeping hatch (delivered)

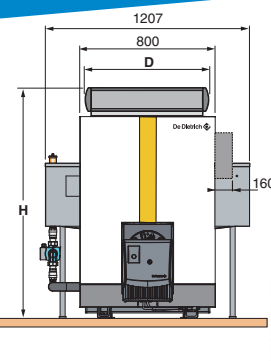
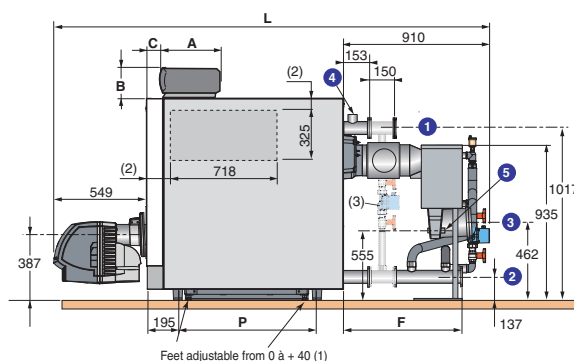
- Fuel burner M 200 S/M 300 S with post-ventilation delivered
- **Choice of 4 control panels** with DWH priority function (except standard control panel)
  - Standard: for controlling a 2-stage burner, installations with the boiler room control cabinet
  - B3: for controlling a 2-stage burner, operation by boiler thermostat
  - DIEMATIC-m3: with electronic programmable regulation according to the outside temperature, for controlling 2-stage burner, can control up to 10 boilers in cascade
  - K3: only operating in association with DIEMATIC-m3 to control the "secondary" boilers (see page 156)
- **Packaging:** 2 possibilities
  - Heating body in bulk + 13 packages
  - Heating body assembled + 11 packages

Optimisation of fuel oil energy middle and high power

## MAIN DIMENSIONS (mm and inches)

- ① Heating flow (flange + counter flange to be welded opening Ø 2" 1/2 (2" as optional)
- ② Heating return (flange + counter flange to be welded) opening Ø 2" 1/2 (2" as optional)
- ③ Flue gas nozzle Ø 160 mm
- ④ Sleeve Rp 1 1/2 (for safety control unit)
- ⑤ Condensates discharges outside Ø 40 mm

- (1) Feet adjustable: basic dimension 0 mm, can be adjusted from 0 to 40 mm.
- (2) Lateral control panel (specify under ordering): its position on 1 of the lateral panels is left to the fitter's discretion
- (3) Recirculation kit MD 218 (option)



Panel	A	B	C	D	H
standard	130	105	45	738	1297
B3, K3 and DIEMATIC-m 3	355	190	45	755	1387

GTU C	P	F (without MD 218)	F (with MD 218)	L
334	490	554	704	2297
335	650	554	704	2457
336	810	554	704	2617

## TECHNICAL SPECIFICATION

### Condensing

Min. flow temperature: 30°C  
Min. return temperature: none

Max. operating temperature: 90°C  
Max. operating pressure: 4 bar

Thermostat adjustable: 30 to 85°C  
Safety thermostat: 110°C

Classification: B<sub>23</sub>, B<sub>23P</sub>  
NOx classification: 3

Model	GTU C	334	335	336
<b>Nominal output 50/30°C</b>	<b>kW</b>	<b>93.4</b>	<b>120.3</b>	<b>157.3</b>
Efficiency at % PCI output and ... °C water temp.	100% at average temp. 70°C	97.8	96.9	96.4
	100% at return temp. 30°C	101.5	101.4	101.1
	30% at return temp. 30°C	103.0	102.8	103.0
Water flow at Δt = 20 K	m <sup>3</sup> /h	4.019	5.178	6.769
Stand-by losses at Δt = 30 K	W	315	335	350
% losses through the walls	%	69	73	78
Auxiliary electrical power (without circul. pump) at Pn with DIEMATIC-m3 control panel	W	325	435	650
Usefull output at 50/30°C	kW	56.7-93.4	93.7-120.3	120.2-157.3
Usefull output at 80/60°C	kW	55-90	90-115	115-150
Water content	l	113	133	153
Water resistance at Δt: 20 K (1)	mbar	2.6	4.2	8.0
Combustion chamber Ø 377 mm, length.	mm	613	718	854
Flue gas temperature	°C	50	55	61
Flue gas mass	kg/h	149	191	248
Maximum pressure available at the nozzle	mbar	1.0	0.6	1.8
Loss of load flue gas	mbar	0.45	0.8	1.0
Weight empty (with DIEMATIC-m 3 panel)	kg	678	802	912

(1) At nominal stage, CO<sub>2</sub>: 13% with domestic fuel

Model	GTU C	334	335	336
<b>GTU C 330</b>	<b>Ref.</b>	<b>100012304</b>	<b>100012305</b>	<b>100012306</b>
<b>GTU C 330 B3 (1)</b>	<b>Ref.</b>	<b>100012065</b>	<b>100012066</b>	<b>100012067</b>
<b>GTU C 330 K3 (1) (2)</b>	<b>Ref.</b>	<b>100012077</b>	<b>100012078</b>	<b>100012079</b>
<b>GTU C 330 DIEMATIC-m 3 (1)</b>	<b>Ref.</b>	<b>100012089</b>	<b>100012091</b>	<b>100012092</b>

(1) Control panel also available in a "lateral" version on request.

(2) GTU C 330 K3 is only operating in association with GTU C 330 DIEMATIC-m 3 Heating body in bulk as standard. On request, body can be assembled in factory

**OPTIONS:** see page 156

**FROM 155.4 TO 291.2 kW**  
for chimney connection

# GTU C 337 TO GTU C 339



Fuel oil condensing boilers with integrated fuel oil burner, for heating only



- Fuel oil condensing boiler
- **Annual operating efficiency up to 104%**
- **Mini flow temperature: 30°C**
- Heating body in bulk in eutectic cast iron
- 3-path flue way design
- Pressurised high volume combustion chamber and low gas resistance
- Doors with reversible hinges
- Reinforced insulation, low stand-by losses
- External tubular corrosion-resistant exchanger condenser in ceramic, impervious to thermal shock and with a high conductivity coefficient; hydraulic bypass connection to the return
- Connection between principal body and condenser by hydraulic connection kit which includes the load pump and the stove connection fitting with integrated sweeping hatch (delivered)
- Fuel burner M 200 S/M 300 S with post-ventilation delivered

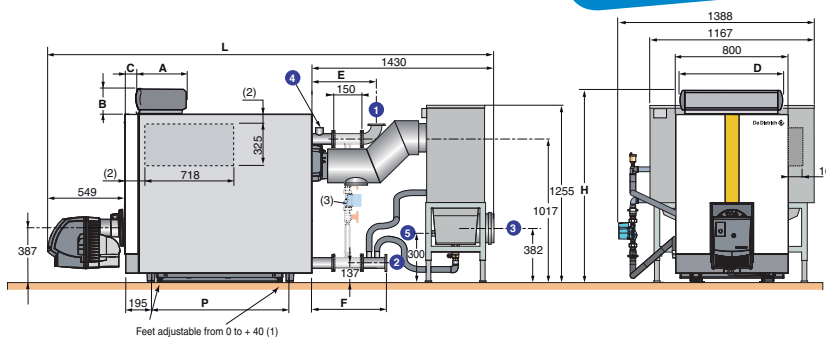
- **Choice of 4 control panels** with DWH priority function (except standard control panel)
- Standard: for controlling a 2-stage burner, installations with the boiler room control cabinet
  - B3: for controlling a 2-stage burner, operation by boiler thermostat
- DIEMATIC-m3: with electronic programmable regulation according to the outside temperature, for controlling 2-stage burner, can control up to 10 boilers in cascade
- K3: only operating in association with DIEMATIC-m3 to control the "secondary" boilers (see page 156)
- **Packaging: 2 possibilities**
  - Heating body in bulk + 13 packages
  - Heating body assembled + 11 packages

## MAIN DIMENSIONS (mm and inches)

Optimisation of fuel oil energy middle and high power

- ① Heating flow (flange + counter flange to be welded opening Ø 2" 1/2 (2" as optional)
- ② Heating return (flange + counter flange to be welded) opening Ø 2" 1/2 (2" as optional)
- ③ Flue gas nozzle Ø 200 mm
- ④ Sleeve Rp 1 1/2 (for safety control unit)
- ⑤ Condensates discharges outside Ø 40 mm

- (1) Feet adjustable: basic dimension 0 mm, can be adjusted from 0 to 40 mm.
- (2) Lateral control panel (specify under ordering): its position on 1 of the lateral panels is left to the fitter's discretion
- (3) Recirculation kit MD 218 (option)



Panel	A	B	C	D	H
standard	130	105	45	738	1297
B3, K3 and DIEMATIC-m 3	355	190	45	755	1387

GTU C	P	E (without MD 218)	E (with MD 218)	F (without MD 218)	F (with MD 218)	L
337	970	257	407	304	554	3297
338	1130	257	407	304	554	3457
339	1290	257	407	304	554	3617

## TECHNICAL SPECIFICATION

### Condensing

Min. flow temperature: 30°C  
Min. return temperature: none

Max. operating temperature: 90°C  
Max. operating pressure: 4 bar

Thermostat adjustable: 30 to 85°C  
Safety thermostat: 110°C

Classification: B<sub>23</sub>, B<sub>23p</sub>  
NOx classification: 3

Model	GTU C	337	338	339
<b>Nominal output 50/30°C</b>	<b>kW</b>	<b>192.7</b>	<b>239.7</b>	<b>291.2</b>
Efficiency at% PCI output and ... °C water temp.	{ 100% at average temp. 70°C 100% at return temp. 30°C 30% at return temp. 30°C	%	98.1	97.6
		%	102.2	101.8
		%	104.7	104.0
Water flow at Δt = 20 K	m <sup>3</sup> /h	8.293	10.312	12.530
Stand-by losses at Δt = 30 K	W	495	500	510
% losses through the walls	%	83	87	93
Auxiliary electrical power (without circul. pump) at Pn with DIEMATIC-m3 control panel	W	625	625	1100
Usefull output at 50/30°C	kW	155.4-192.7	191.7-239.7	238.4-291.2
Usefull output at 80/60°C	kW	150-185	185-230	230-280
Water content	l	177	197	217
Water resistance at Δt: 20 K (1)	mbar	11	17	26
Combustion chamber Ø 377 mm, length.	mm	993	1117	1245
Flue gas temperature	°C	62	63	64
Flue gas mass	kg/h	306	381	463
Maximum pressure available at the nozzle	mbar	1.9	1.6	1.7
Loss of load flue gas	mbar	1.3	1.6	2.3
Weight empty (with DIEMATIC-m 3 panel)	kg	1117	1239	1366

(1) At nominal stage, CO<sub>2</sub>: 13% with domestic fuel

Model	GTU C	337	338	339
<b>GTU C 330</b>	<b>Ref.</b>	<b>100012307</b>	<b>100012308</b>	<b>100012309</b>
<b>GTU C 330 B3 (1)</b>	<b>Ref.</b>	<b>100012068</b>	<b>100012069</b>	<b>100012070</b>
<b>GTU C 330 K3 (1) (2)</b>	<b>Ref.</b>	<b>100012080</b>	<b>100012081</b>	<b>100012082</b>
<b>GTU C 330 DIEMATIC-m 3 (1)</b>	<b>Ref.</b>	<b>100012093</b>	<b>100012094</b>	<b>100012095</b>

- (1) Control panel also available in a "lateral" version on request.
- (2) GTU C 330 K3 is only operating in association with GTU C 330 DIEMATIC-m 3 Heating body in bulk as standard. On request, body can be assembled in factory

**OPTIONS:** see page 156

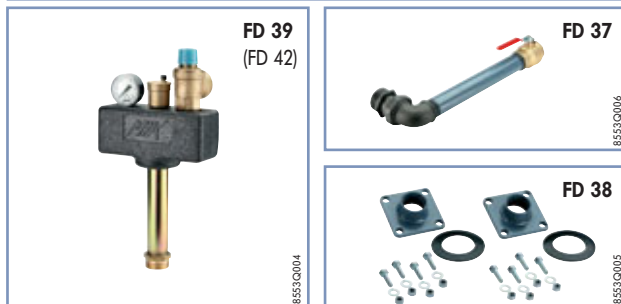
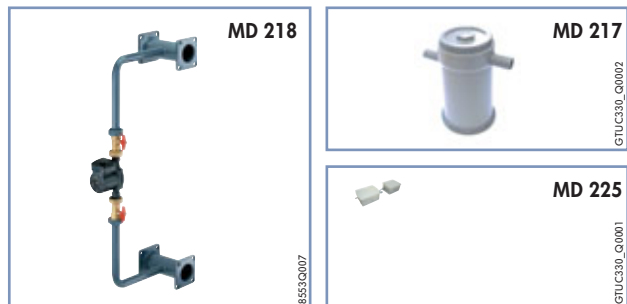
# OPTIONS FOR GTU C 330

## ALL OPTIONS EXCEPT CONTROL UNIT OPTION

ACCESSORIES	PACKAGE	REF.
Recommended assembly tool JD-TE Plus		<b>88017705</b>
Soundproof cover for M 300 burner (GTU C 335 to 339)	-	<b>88027180</b>
Drainage valve kit	FD 37	<b>85537074</b>
Safety unit		
- up to 115 kW (for GT 334, 335)	FD 39	<b>85537076</b>
- from 115 to 330 kW (for GT 336 to 339)	FD 42	<b>85537079</b>
Set of 2 counters with collar, Ø 2"	FD 38	<b>85537075</b>

ACCESSORIES	PACKAGE	REF.
Recirculation GTU C 330	MD 218	<b>100012251</b>
Siphon GTU C 330	MD 217	<b>100012250</b>
Condensates neutralisation station	MD 225	<b>100012385</b>
Refill carbon filter + marble graneles for neutralisation station	MD 226	<b>100012685</b>

DHW PRODUCTION	PACKAGE	REF.
with BP, BL or B independant calorifier		see chapter 19
DHW sensor	AD 212	<b>100000030</b>



## CONTROL UNITS OPTIONS

### CHOICE OF OPTIONS ACCORDING TO THE CONTROL PANEL TYPE AND THE CONNECTED CIRCUITS

Circuits type	Boiler self-standing or boiler 1 of a cascade							Boiler 2 to 10 of a cascade		
	DHW	direct	valve	direct + valve	2 x valve	1 x direct + 2 x valve	3 x valve	by additional boiler (2)		
Standard: GTU C 330	for installations without a control unit or for those with a boiler room control cabinet									
B3: GTU C 330 B3	AD 212	as standard	no	no	no	no	no	-	-	-
DIEMATIC-m3 (1): GTU C 330 DIEMATIC-m3	AD 212	as standard	1 x AD 199	1 x FM 48	1 x AD 199 + 1 x FM 48	2 x FM 48	1 x AD 199 + 2 x FM 48	-	-	-
K3 (1): GTU C 330 K3	-	-	-	-	-	-	-	1 x AD 220	1 x AD 220 + 1 x FM 48	1 x AD 220 + 2 x FM 48

CONTROL UNITS OPTIONS	PACKAGE	REF.
⇒ for standard panel		
Flue gas thermometer	BP 28	<b>82197729</b>
⇒ for B3 control panel		
Flue gas thermometer	BP 28	<b>82197729</b>
Time counter (1 piece)	BG 40	<b>82187730</b>
Roomthermostat		
- non programmable	AD 140	<b>88017859</b>
- programmable (wire)	AD 137	<b>88017855</b>
- programmable (wireless)	AD 200	<b>88017018</b>
DHW sensor	AD 212	<b>100000030</b>
⇒ for K3 control panel		
Relay PCB + sensors for 1 circuit with valve	AD 220	<b>100004970</b>
PCB + sensor for 1 circuit with mixing valve (1)	FM 48	<b>85757743</b>
Interactive remote control CDI 2	FM 51	<b>85757746</b>
Interactive remote radio control CDR 2 (with radio transmitter)	FM 161	<b>100004636</b>
Additional CDR 2 module (without radio transmitter)	FM 162	<b>100004637</b>
Simplified remote control with room sensor	FM 52	<b>85757747</b>
Room sensor	AD 244	<b>100012044</b>
Flue gas temperature sensor	FM 47	<b>85757742</b>

CONTROL UNITS OPTIONS	PACKAGE	REF.
⇒ for DIEMATIC-m 3 control panel		
PCB + sensor for 1 circuit with mixing valve	FM 48	<b>85757743</b>
Outlet sensor downstream of the valve	AD 199	<b>88017017</b>
Interactive remote control CDI 2	FM 51	<b>85757746</b>
Interactive remote radio control CDR 2 (with radio transmitter)	FM 161	<b>100004636</b>
Additional CDR 2 module (without radio transmitter)	FM 162	<b>100004637</b>
Simplified remote control with room sensor	FM 52	<b>85757747</b>
Room sensor	AD 244	<b>100012044</b>
BUS cable connection 12 m	AD 134	<b>88017851</b>
Connecting cable length 40 m	DB 119	<b>81997720</b>
Bus cable extension	AD 139	<b>88017858</b>
Flue gas temperature sensor	FM 47	<b>85757742</b>
Boiler sensor, cascade outlet sensor or DHW sensor	AD 212	<b>100000030</b>
Dip sensor + sensor tube (replacing the attachment sensor)	AD 218	<b>100004781</b>
Radio outside temperature sensor	AD 241	<b>100010960</b>
Boiler radio module (radio transmitter)	AD 242	<b>100010961</b>
Sensors for storage tank	AD 160	<b>88017887</b>

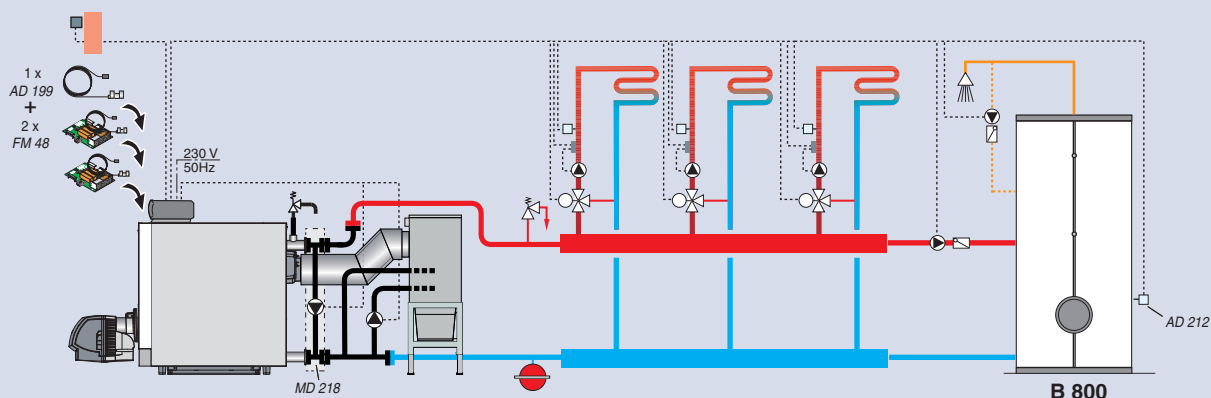
(1) Each of the circuits "heating" can be completed in choice by remote control FM 51, FM 161/162 or FM 52

(2) Do not forget to order the cascade outlet sensor: package AD 212 or AD 218 and the boiler sensors in case of modulating cascade: package AD 212

# EXEMPLE OF INSTALLATION FOR GTU C 330

## Example of installation

- GTU C 330 DIEMATIC-m3  
 - B... DHW calorifier  
 - 3 underfloor standing circuits (with mixing valve)



GTUC330\_F00158

DESCRIPTION	PACKAGE	REF.
GTU C 334 DIEMATIC-m3	-	<b>100012089</b>
Recirculation kit GTU C 330	MD 218	<b>100012251</b>
PCB + sensor for mixing valve	2 x FM 48	<b>2 x 85757743</b>
Outlet sensor downstream of the valve	AD 199	<b>88017017</b>
B 800 DHW calorifier	-	<b>89759840</b>
DHW sensor	AD 212	<b>100000030</b>

