

# FUEL OIL / GAS

CAST IRON BOILERS TO BE FITTED WITH A FUEL OIL / GAS BURNER FOR HEATING ONLY

PROJECT



GT330\_00001

## GT 330 from 70 to 330 kW



Fuel oil / gas boiler, low temperature

- Min. flow temperature: 30°C
- Heating body elements in eutectic cast iron
- Pressurized furnace high volume combustion and low gas resistance
- Hinged door reversible
- Reinforced insulation, low stand-by losses
- Choice of 4 control panels with DHW priority function (except standard control panel):
  - Standard: for controlling a 1-stage or 2-stage burner, control cabinet in the boiler room
  - B3: for controlling a 1-stage or 2-stage burner, operation by boiler thermostat

**+** point

The solution in renovation alone or in cascade

- Diematic-m3: with electronic programmable regulation according to the outside temperature, for controlling a 1-stage, 2-stage or modulating burner, can control up to 10 boilers in cascade
- K3: only operating in association with DIEMATIC-m3 to control the "secondary" boilers
- Fuel oil or gas burner optional
- Packaging: 2 possibilities
  - Heating body in bulk + 9 packages
  - Heating body assembled + 7 packages

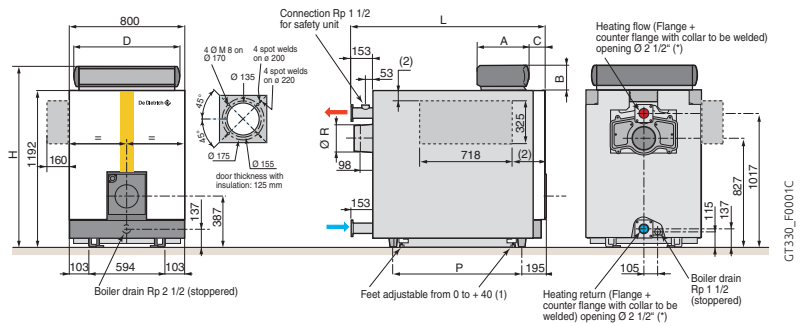
N° CE 1312BR4617

**OPTIONS:** see following pages

### MAIN DIMENSIONS (mm and inches)

- (1) By using "adjustable feet", adjustment range from 0 to 40mm
- (2) Lateral control panel (specify when ordering): its position on 1 of the lateral panels is left to the fitter's discretion

R: Threading  
Rp: Tapped connection  
(\*) Ø 2" optional



GT330\_F0001C

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

	GT	334	335	336	337	338	339
L	991	1151	1311	1471	1631	1791	
P	490	650	810	970	1130	1290	
ØR	180	180	180	200	200	200	

### TECHNICAL SPECIFICATIONS

#### Low temperature

- Min. outlet temperature: 30°C
- Min. return temperature: 20°C
- Max. operating temperature: 90°C
- Max. operating pressure: 6 bar (up to 8 bar on request)
- Thermostat: 30 to 85°C adjustable
- Safety thermostat: 110°C

### MODEL

	GT	334	335	336	337	338	339
Useful output	kW	70-105	105-140	140-180	180-230	230-280	280-330
Nominal input	kW	79.5-119.3	119.3-159.1	159.1-204.5	204.5-261.4	261.4-318.2	318.2-375.0
Water content	l	96	116	136	156	176	196
Water resistance at ΔT = 20 K	mbar	3.5	6.2	11.5	16.9	25.0	36.0
Flue gas circuit volume	m³	0.163	0.206	0.249	0.292	0.335	0.378
Combustion chamber	- equivalent Ø	mm	377	377	377	377	377
chamber	- depth	mm	571	731	891	1051	1211
	- volume	m³	0.096	0.122	0.148	0.174	0.200
Flue gas mass	- domestic fuel oil	kg/h	178	238	306	391	475
flow rate	- natural gas	kg/h	187	250	321	410	499
Combustion chamber pressure	mbar	0.3	0.6	1.1	1.6	2.2	2.5
Flue gas temperature	°C	< 210	< 210	< 210	< 210	< 210	< 210
Net weight	kg	612	736	846	981	1103	1230

Values at nominal output, CO<sub>2</sub>: 13% with domestic fuel oil and 9.5% with natural gas, draught at the nozzle = 0

### MODEL

	GT	334	335	336	337	338	339
GT330	Ref.	100004537	100004538	100004539	100004540	100004541	100004542
GT330 B3 (1)	Ref.	100004543	100004544	100004545	100004546	100004547	100004548
GT330 K3 (1) (2)	Ref.	100004549	100004550	100004551	100004552	100004553	100004554
GT330 DIEMATIC-m 3 (1)	Ref.	100004555	100004556	100004557	100004558	100004559	100004560

Heating body in bulk as standard. On request, body can be assembled in factory.

- (1) Control panel also available in a "lateral" version on request.
- (2) GT 330 K3 is only operating in association with GT 330 DIEMATIC-m3.