

TOWER GREEN HE



**NEW**  
APRIL  
2014

- **1:10 modulation**
- Low Energy auto-modulating system pumps (EEI<0,23)
- Built-in management of 3 different temperatures heating zones
- Low NOx (Class 5 according to European Directive UNI EN 483)
- Condensing heat exchanger (Patent Pending)
- Control panel featuring a wide display
- Built-in hydraulic header-separator
- 120 lt. built-in DHW tank
- 8 lt. built-in DHW expansion vessel
- Built-in thermoregulation on direct zone or by motorised valve on the circuit zone

Room-sealed

Efficiency ★★★★★ Dir. 92/42/EEC

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)
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Combi boilers with built-in DHW tank

20071817	NG	TOWER GREEN HE 35/120 B.S.I.	1540x600x610	3,5 - 35	120
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Specific accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
20027292	Ø80 twin system kit	1100279	WEEKLY 7-days programmable room thermostat
20027555	Ø60/100 horizontal flue terminal	1220639	Limit thermostat for low temperature installations
20083258	Additional direct zone kit	20084991	DHW recirculation kit with pump
20080038	Additional motorized mixed zone kit	20084750	kit check valves for CH and DHW
20083259	Remote control panel	20084990	Template kit for installation
20083900	kit for boiler interface remotation		

Additional zones configurations

ZONES	ADD. DIRECT ZONE (CODE 20083258)	ADD. MIXED ZONE (CODE 20080038)
1 direct zone + 1 mixed zone	-	no. 1
1 direct zone + 2 mixed zones	-	no. 2
2 direct zones	no. 1	-
3 direct zones	no. 2	-
2 direct zones + 1 mixed zone	no. 1	no. 1

## Condensing high-efficiency floor-standing boilers with built-in DHW tank (specific for solar thermal systems)

### TOWER GREEN HE S



**NEW**  
APRIL  
2014

- **1:10 modulation**
- Low Energy auto-modulating system pumps (EEI<0,23)
- Possibility to manage up to 3 direct zones
- Low NOx (Class 5 according to European Directive UNI EN 483)
- Condensing heat exchanger (Patent Pending)
- Suitable for connection with solar thermal collectors
- Interface with wide display for complete management
- Pump for solar circuit as standard
- Flow-meter on solar circuit as standard
- Expansion vessel for solar circuit as standard
- Mixing valve as standard
- 200 lt. built-in DHW tank with double coil
- 8 lt. expansion vessel for DHW circuit as standard
- Built-in thermoregulation with external probe supplied as standard

#### Room-sealed

Efficiency ★★★★★ Dir. 92/42/EEC

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)
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#### Combi boilers with built-in DHW tank

20071816	NG	TOWER GREEN HE S 35/200 B.S.I.	1900x600x750	3,5 - 35	200 double coil
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#### Specific accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
20027292	Ø80 twin system kit	1100279	WEEKLY 7-days programmable room thermostat
20027555	Ø60/100 horizontal flue terminal	1220639	Limit thermostat for low temperature installations
20083258	Additional direct zone kit	20084749	DHW recirculation kit with pump
20080038	Additional motorized mixed zone kit	20084750	kit check valves for CH and DHW
20083259	Remote control panel	20084751	Template kit for installation
20083900	kit for boiler interface remotation		

#### Additional zones configurations

ZONES	ADD. DIRECT ZONE (CODE 20083258)	ADD. MIXED ZONE (CODE 20080038)
1 direct zone + 1 mixed zone	-	no. 1
1 direct zone + 2 mixed zones	-	no. 2
2 direct zones	no. 1	-
3 direct zones	no. 2	-
2 direct zones + 1 mixed zone	no. 1	no. 1



**NEW**  
JULY  
2014

- **1:10 modulation**
- Low Energy auto-modulating system pumps (EEI<0,23)
- Low NOx (Class 5 according to European Directive UNI EN 483)
- Condensing heat exchanger (Patent Pending)
- Built-in hydraulic header-separator
- 60 lt. built-in DHW tank
- 2 lt. expansion vessel for DHW circuit as standard
- Built-in thermoregulation with external probe supplied as standard

**Room-sealed**

Efficiency ★★★★★ Dir. 92/42/EEC

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)
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**Combi boilers with built-in DHW tank**

20084705	NG	TOWER GREEN HE 35/60 B.S.I.	850 x 600 x 610	3,5 - 35	60
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**Specific accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
20027292	Ø80 twin system kit	1100279	WEEKLY 7-days programmable room thermostat
20027555	Ø60/100 horizontal flue terminal	1220639	Limit thermostat for low temperature installations
20083259	Remote control panel	<b>NEW</b>	Template kit for installation
20083900	kit for boiler interface remotation		



- **1:10 modulation**
- Management of different energy sources: condensing boiler, solar thermal, hydronic heat pump for heating and cooling
- Low NOx (Class 5 according to European Directive UNI EN 483)
- Low Energy auto-modulating system pumps (EEI<0,23)
- Built-in management of 3 different temperatures heating zones
- Suitable for connection with solar thermal panels and hydronic heat pump
- Interface with wide display for complete management
- 200 lt. built-in DHW tank with double coil
- 8 lt. expansion vessel for DHW circuit as standard
- Built-in thermoregulation with external probe supplied as standard

**Room-sealed**

Efficiency ★★★★★ Dir. 92/42/EEC

CODE	GAS	MODEL	DIMENSIONS H×W×D (mm)	CH INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)
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**Combi boilers with built-in DHW tank**

<b>NEW</b>	NG	TOWER GREEN HE HYBRID 35/200 B.S.I.	1900×600×750	3,5 - 35	200
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**Specific accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
20027292	Ø80 twin system kit	1100279	WEEKLY 7-days programmable room thermostat
20027555	Ø60/100 horizontal flue terminal	1220639	Limit thermostat for low temperature installations
20083258	Additional direct zone kit	<b>NEW</b>	DHW recirculation kit with pump
20080038	Additional motorized mixed zone kit	<b>NEW</b>	kit check valves for CH and DHW
20083259	Remote control panel	<b>NEW</b>	Template kit for installation
20083900	kit for boiler interface remotation		

### Additional zones configurations

ZONES	ADD. DIRECT ZONE (CODE 20083258)	ADD. MIXED ZONE (CODE 20080038)
1 direct zone + 1 mixed zone	-	no. 1
1 direct zone + 2 mixed zones	-	no. 2
2 direct zones	no. 1	-
3 direct zones	no. 2	-
2 direct zones + 1 mixed zone	no. 1	no. 1

### Hydronic Unic pump matching with Tower Green he Hybrid

CODE	MODEL	DIMENSIONS H × W × D (mm)	RATED CAPACITY (1)/(2) (kW)	COP (1)/EER (2)
20053885	HYDRONIC UNIT 4	821×908×326	4,07 / 4,93	4,15 / 4,20
20053889	HYDRONIC UNIT 6	821×908×326	5,76 / 7,04	4,28 / 3,70
20053890	HYDRONIC UNIT 8	821×908×326	7,16 / 7,84	3,97 / 3,99

(1) outside air d.b. +7°C/ w.b. +6°C, water 30-35°C

(2) outside air d.b. +35°C/ w.b. +24°C, water 23-18°C

### Solar collectors matching with Tower Green he Hybrid

CODE	MODEL	DESCRIPTION	DIMENSIONS H × L (mm)
20050314	SC-VF25	2,5 m <sup>2</sup> TRAY COLLECTOR	2078x1240
20050321	SCF-25N	2,5 m <sup>2</sup> FLAT COLLECTOR	2046x1186
20050326	SCF-20N	2 m <sup>2</sup> FLAT COLLECTOR	1856x1086
20050330	SCI-25N	2,5 m <sup>2</sup> INSET COLLECTOR	2033x1182
20050318	SCO-25N	2,5 m <sup>2</sup> HORIZONTAL COLLECTOR	1238x2076
20026324	SCV-25	2,5 m <sup>2</sup> VACUUM TUBES COLLECTOR	1730x1600