

## ELECTRIC BOILERS

### HDCSM-HDCS / HDEEM-HDEE



THERMAL SAFETY  
NO-WATER SAFETY SYSTEM  
ELECTRICAL SAFETY  
INTEGRATED HYDRAULIC EQUIPMENT  
STAINLESS STEEL TANK

2 MODELS:  
HEATING  
HEATING + DHW  
POWERS FROM 4.5 kW TO 21 kW



The most advanced technology  
at the most reasonable price

The HDCS/HDCSM is an electric heating boiler with domestic hot water production. It is supplied in two versions: wall-mounted or floor-mounted.

It is available with various power levels: from 4.5 kW to 21 kW.  
 With a simple electric jumper connection, power can be adjusted from 4.5 kW to 9 kW in the HDCS-HDCSM 45/90, and from 10.5 kW to 15 kW in the HDCS-HDCSM 10/15.  
 The models up to 15 kW are supplied in three-phase and can be easily connected in single-phase. From that power up to 21 kW they use three-phase.  
 The heating body is made of steel and its equipment is the most complete on the market.

Domestic hot water is produced by an independent resistance in a stainless steel tank, in compliance with the strictest hygiene requirements. This guarantees a long system lifespan due to the material's inherent characteristics along with simplified maintenance because no magnesium anode is used.  
 It uses a domestic hot water priority system, avoiding the need to contract high power supply.  
 Power is adjusted to the installation's needs; half-power or full-power can be selected.

**BOILER FOR HEATING + DOMESTIC HOT WATER**

Model	Power kW		DHW recovery time min.		DHW consumption L/10 min.	Tank capacity L	Installation	Voltage		
	Heating	DHW	35°C to 60°C	10°C to 60°C				20II	220III	380III
HDCS 45/90	4.5-9	6	24	47	134	80	Floor	•	•	•
HDCS 10/15	10.5-15	6						•	•	•
HDCS 1860	18	6						•	•	•
HDCS2160	21	6						•	•	•
HDCSM 45/90	4.5-9	6	15	29	83	50	Wall	•	•	•
HDCSM 10/15	10.5-15	6						•	•	•
HDCSM 1860	18	6						•	•	•
HDCSM 2160	21	6						•	•	•

**EQUIPMENT**

Primary drain cock  
 Heating electrical resistance  
 DHW electric al resistance  
 DHW check valve  
 Heating expansion vessel  
 Dielectric buttress

Stainless steel tank  
 Thermometer  
 Manometer  
 Half-power selector  
 Main switch  
 Heating safety valve

Automatic air-vent  
 Safety thermostat  
 Heating control thermostat  
 Heating pump  
 Pressure switch

HDCSM



HDCS



The HDEE/HDEEM is an electric boiler for heating, supplied in two versions: wall-mounted or floor-mounted.

Various power levels are available, from 4.5 kW to 21 kW.  
 With a simple electric jumper connection, power can be adjusted from 4.5 kW to 9 kW in the HDEE-HDEEM 45/90, and from 10.5 kW to 15 kW in the HDEE-HDEEM 10/15  
 The models up to 15 kW are supplied in three-phase and can be easily connected in single-phase. From that power up to 21 kW they use three-phase.

The heating body is made of steel and its equipment is the most complete on the market.  
 Power is adjusted to the installation's needs, enabling half-power or full-power to be selected.

**BOILER ONLY FOR HEATING**

Model	Power kW	Installation	Voltage		
			20II	220III	380III
HDEE 45/90	4.5-9	Floor	•	•	•
HDEE 10/15	10.5-15		•	•	•
HDEE 1860	18				•
HDEE 2160	21				•
HDEE M 45/90	4.5-9	Wall	•	•	•
HDEE M 10/15	10.5-15		•	•	•
HDEE M 1860	18				•
HDEE M 2160	21				•

**EQUIPMENT**

Primary drain cock  
 Heating electrical resistance  
 Expansion vessel  
 Thermometer  
 Manometer

Half-power selector  
 Main switch  
 Heating safety valve  
 Automatic air-vent  
 Safety thermostat

Heating control thermostat  
 Heating pump  
 Time programmer  
 Pressure switch

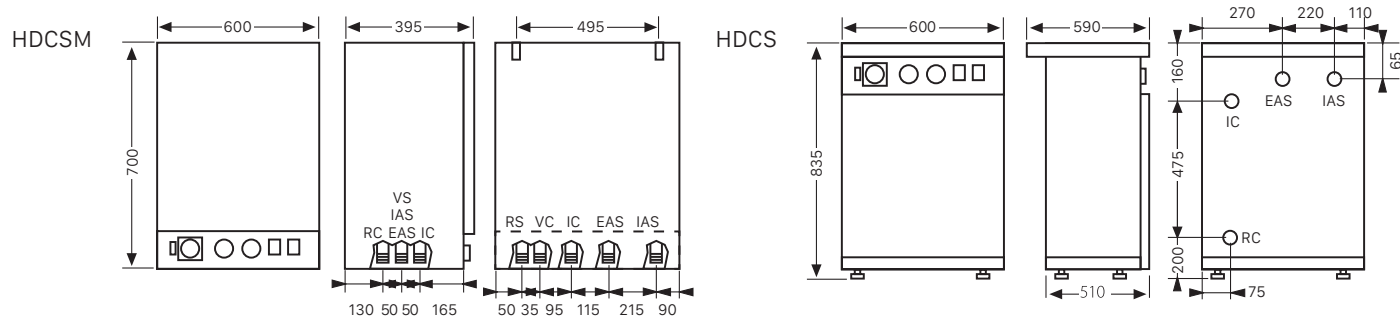
HDEEM



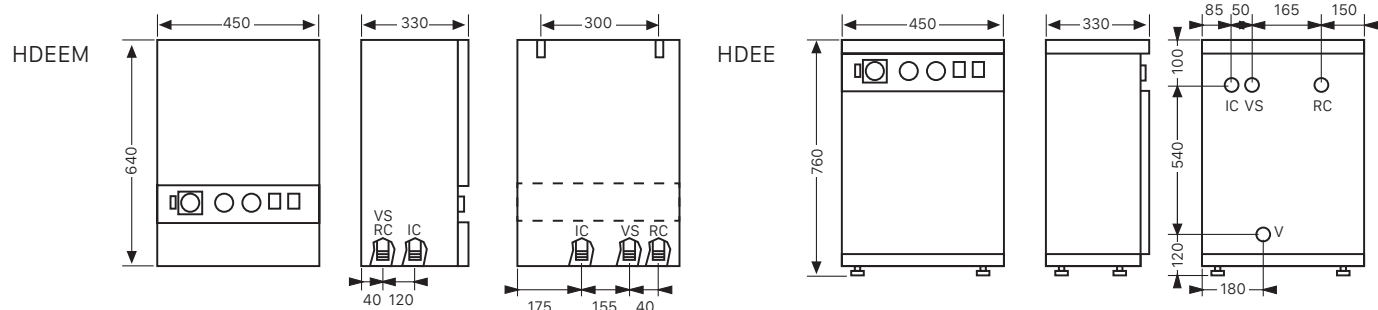
HDEE



DIMENSIONS



IC: Heating flow, HDSCM 1"H, HDCS 3/4"M.  
 RC: Heating return, 3/4"M.  
 VS: Safety valve, 1/2"H.  
 EAS: Water intake, 1/2"M.  
 IAS: DHW flow, 1/2"M.



IC: Heating flow, HDEEM 1"H, HDEE 3/4"M.  
 RC: Heating return, HDEEM 3/4"M, 1"H.  
 VS: Safety valve, 1/2"H.  
 V: Drain, 1/2"M.

Heating power W	Section of power cable mm <sup>2</sup>			Consumption amperes		
	220 II	220 III	10 min.	II x 200	III x 220	III x 380 + N
4,500	6	4	2.5	20	11.8	6.8
6,000	6	4	2.5	27.2	15.7	9,1
7,500	6	4	2.5	34	19.7	11.4
9,000	10	6	2.5	40.8	23.6	13.6
10,500	10	6	4	47	27.5	15.9
12,000	16	10	4	54.5	31.4	18.2
13,500	16	10	6	61.3	35.4	20.4
15,000	25	16	6	68	39.4	22.8
18,000	25	16	10	81.8	47.2	27.2
21,000	—	16	10	—	55.2	31.9



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