











Omega LCD

Electric Combi Boiler



The optimum way to heat with electricity: Omega LCD

-  Dual function for heating and hot water
-  0 emission, 0 waste gas
-  Minimum energy consumption with automatic modulation
-  Compatible with room control and weather sensor

-  Large LCD screen, practical menu
-  Compatible with wireless room control
-  Quite operation
-  Built-in weekly timer
-  Compatible with floor heating
-  Wide capacity range from 6 kw up to 100 kw



Room controls are sold separately.

Full Automatic Heating and Hot Water With Electricity

The heating capacity of new generation Omega LCD Electric Boiler can be modified according to your heating requirements. *Only by authorised technical service

TECHNICAL SPECIFICATIONS

>> CAPACITY

> HEATING POWER	kW	6	10	12	15	18	24	30	32	35	40	50	60	80	100
Capacity	kcal/h	5160	8600	10320	12900	15480	20640	25800	27520	30100	34400	43000	51600	68800	86000
Maximum Working Pressure (Heating Circuit)	Bar	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Maximum Working Pressure (Hot Water Circuit)	Bar	—	—	8	8	8	8	8	8	8	8	—	—	—	—
Heating Temperature Setting Range (min-max)	°C	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80
Hot Water Setting Range (min-max)	°C	—	—	30-55	30-55	30-55	30-55	30-55	30-55	30-55	30-55	—	—	—	—
Domestic Hot Water Output	lt/dk	—	—	5	6	9	11	13	13	13	13	—	—	—	—

>> DIMENSIONS

Height	mm	650	650	650	650	650	650	650	740	740	740	755	755	755	755
Width	mm	440	440	440	440	440	440	440	435	435	435	571	571	571	571
Depth	mm	274	274	274	274	274	274	274	320	320	320	320	320	320	320

>> ELECTRICITY

Electricity Connection Cable (3-Phase)	piece/mm2	-	4x4	4x4	4x4	4x6	4x6	4x10	4x10	4x10	4x10	4x16	4x16	3x25+16	3x25+16
Electricity Connection Cable (Monophase)	piece/mm2	2x6	2x10	2x10	—	—	—	—	—	—	—	—	—	—	—
Residual Current Relay	A/mA	2P-40/30	4P-25/30	4P-25/30	4P-25/30	4P-40/30	4P-40/30	4P-63/30	4P-63/30	4P-63/30	4P-63/30	4P-80/30	4P-100/30	4P-2x63/30	4P-2x80/30
Voltage / Frequency	V-Hz	230/380/50	230/380/50	230/380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Maximum Current	A	26/9	43/15	52/18	22	27	36	46	48	53	61	75	90	120	152
Getting Maximum Power	W	6098	10059	12059	15059	18059	24059	30059	32059	35059	40059	50059	60059	80059	100059
Electric Isolation Degree	IP	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D

>> INSTALLATION

Heating Installation Pipe Diameter	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"
Cold Water Inlet Pipe Diameter	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Hot Water Installation Pipe Diameter	inch	—	—	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	—	—	—	—

>> ENERGY EFFICIENCY

Space Heating Efficiency Class		D	D	D	D	D	D	D	D	D	D	D	D	D	D
Load Profile For Water Heating		—	—	M	L	L	XL	XL	XL	XL	XL	—	—	—	—
Water Heating Efficiency Class		—	—	C	C	C	C	C	C	C	C	—	—	—	—

Omega LCD Standarts

- Maktek Omega electric combi boiler uses ONLY electricity as fuel
- Electricity as fuel for heating has no emissions and it is 100% environment friendly
- There is no heat loss in electric heating. Unlike combustion systems with fossil fuels, there is no chimney therefore no heat loss from the chimney with hot fumes
- Omega LCD Electric Boiler operates with 99% efficiency
- With full automatic modulation, heating capacity of the boiler is adjusted according to the heating demand, ensuring maximum energy savings during operation
- Mainboard with microprocessor and a large LCD screen enables enhanced control parameters and easy operation for the end user
- Built in weekly timer function enables automatic operation of the boiler for adjusted time intervals for each day separately
- Optional room thermostat and ambient temperature sensor provides a high level of automation comfort and economy
- Underfloor heating mode for safe and efficient underfloor heating applications
- Adjustable maximum boiler capacity feature enables the boiler output to be adjusted on the LCD screen enabling the option to reduce the output of the boiler depending on climate or insulation levels of houses
- Due to its quiet operation and lack of connections like chimneys, it can be mounted in living areas easily
- It offers an aesthetic look with its minimized dimensions and exterior design
- Provides hot water for showers, sinks and baths in constant temperature at set value even with variable flow rates with the help of electronic water flow sensor
- Heating system can quickly enter the regime and heat the house rapidly
- Automatic frost protection system
- Protection against high pressures with 3 bar safety valve
- Water pressure transducer shows system water pressure on the LCD screen also providing protection for low and high pressures
- Energy efficient circulation pump provides electricity savings in line with Erp regulation
- Float water level sensor ensures the main heat exchanger is full and protect the heating elements from operating without water
- Electronic water temperature control with NTC system assures precise temperatures
- RCD (short circuit relay) provides electrical protection and safe operation
- Automatic by-pass system provides additional safety
- Wide capacity range, from 6 kw up to 100 kw meets a wide range of heating requirements
- Double safety measures against overheating with limit thermostat and safety thermostat
- Anti jamming system for the circulation pump and 3-way valve actuator motor operating in every 24 hours to prevent pump and actuator motor jamming



2 YEARS WARRANTY

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