



# COMBINED WATER HEATERS WITH ENLARGED HEAT EXCHANGERS



160 | 200 | 300 | 400 | 500 liters

Crystal combined water heaters with one and two double-coiled heat exchangers with a large area are designed for heat pump installations. They are manufactured to the highest standards of quality and durability. The water tanks are enameled, and their external insulation made of high-quality polyurethane guarantees minimal heat loss. The range includes models from 160 to 500 liters. Warranty 5 years on the water tank and 2 years on the electric heater. Made in the EU.

Volume (L)	Net weight (kg)	Dimensions (mm)	Area C1 (m <sup>2</sup> )	Area C2 (m <sup>2</sup> )	Water tank operating pressure (bar)	Working pressure in heat exchanger (bar)	Operating temperature (°C)	Electric heater (kW)	Energy class
160/1	87	D 600/ H 1035	1.80	-	10	6	95	3.0 / 1-phase	B
200/1	102	D 600/ H 1230	2.62	-	10	6	95	3.0 / 1-phase	B
300/1	151	D 600/ H 1760	3.77	-	10	6	95	3.0 / 1-phase	B
400/1	177	D 700/ H 1655	4.76	-	10	6	95	4.0 / 1-phase	C
500/1	211	D 700/ H 1900	6.0	-	10	6	95	4.0 / 1-phase	C
200/2	105	D 600/ H 1230	0.64	1.65	10	6	95	3.0 / 1-phase	B
300/2	164	D 600/ H 1760	1.14	3.12	10	6	95	3.0 / 1-phase	B
400/2	179	D 700/ H 1655	1.51	3.60	10	6	95	4.0 / 1-phase	C
500/2	212	D 700/ H 1900	1.51	4.21	10	6	95	4.0 / 1-phase	C

1 heat exchanger



from 160 to 500 liters

2 heat exchanger



from 200 to 500 liters

Volume (L)	Net volume (L)	Insulation (mm)	Heat losses $\Delta T$ 45°C (kW/24h)	Flange diameter	Thermosensor couplings	Recirculation	Coil Input/ Output	Input/ Output water connections
160/1	150	50	1.4	φ180	1/2"	3/4"	1"	1"
200/1	184	50	1.5	φ180	1/2"	3/4"	1"	1"
300/1	276	50	1.7	φ180	1/2"	3/4"	1"	1"
400/1	368	50	2.2	φ180	1/2"	3/4"	1"	1"
500/1	429	50	2.5	φ180	1/2"	3/4"	1"	1"
200/2	181	50	1.5	φ180	1/2"	3/4"	1"	1"
300/2	276	50	1.7	φ180	1/2"	3/4"	1"	1"
400/2	369	50	2.2	φ180	1/2"	3/4"	1"	1"
500/2	431	50	2.5	φ180	1/2"	3/4"	1"	1"