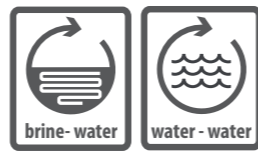


AquaMaster



brine to water, water to water, on-off

Model	B0W35 ¹⁾		W10W35		Seasonal heating energy efficiency - low-temperature operation 35°C				Seasonal heating energy efficiency - medium-temperature operation 55°C				Circuit breaker ²⁾		Compressor, supply voltage 3ph/1ph	Weight (kg)	Leakage control of refrigerant circuit EP 517/2014	STANDARD (µPC) Price EUR EXW CZ	PLUS (pCO5) Price EUR EXW CZ
	Power (kW)	COP	Power (kW)	COP	Power (kW) ³⁾	SCOP	ηs %	Class	Power (kW) ³⁾	SCOP	ηs %	Class	3 phase units	1 phase units					
AquaMaster_22Z	7,8	4,5	10,4	5,9	8	4,50	172	A++	7	3,17	117	A+	3x 9A"C"	20A"C"	3x400/1x230 V~	140	no	on request	on request
AquaMaster_26Z	10,1	4,4	13,3	5,7	10	4,34	166	A++	9	3,11	116	A+	3x 13A"C"	25A"C"	3x400/1x230 V~	160	no	on request	on request
AquaMaster_30Z	11,4	4,4	14,9	5,5	11	4,29	164	A++	11	3,10	116	A+	3x 13A"C"	32A"C"	3x400/1x230 V~	165	no	on request	on request
AquaMaster_37Z	14,1	4,3	18,4	5,4	14	4,46	170	A++	13	3,16	118	A+	3x 16A"C"	32A"C"	3x400/1x230 V~	180	no	on request	on request
AquaMaster_45Z	17,2	4,4	22,5	5,5	17	4,61	176	A+++	16	3,19	120	A+	3x 16A"C"	-	3x400 V~	190	no	on request	on request
AquaMaster_60Z	23,1	4,2	31,2	5,4	23	4,27	163	A++	22	3,14	118	A+	3x 25A"C"	-	3x400 V~	245	no	-	on request
AquaMaster_75Z	28,2	4,1	37,7	5,2	28	4,25	162	A++	26	3,11	116	A+	3x 25A"C"	-	3x400 V~	255	no	-	on request
AquaMaster_90Z	33,2	4,3	45,0	5,4	33	4,42	169	A++	30	3,10	116	A+	3x 32A"C"	-	3x400 V~	275	no	-	on request
AquaMaster_120.2Z	46,8	4,2	64,6	5,6	47	4,51	172	A++	43	3,22	121	A+	3x 50A"C"	-	3x400 V~	420	yes	-	on request
AquaMaster_150.2Z	57,7	4,2	79,3	5,6	57	4,38	167	A++	52	3,19	119	A+	3x 50A"C"	-	3x400 V~	420	yes	-	on request
AquaMaster_180.2Z	64,4	4,1	90,9	5,5	64	4,50	172	A++	61	3,35	126	A++	3x 64A"C"	-	3x400 V~	420	yes	-	on request
AquaMaster_240.2Z	91,5	4,7	121,6	6,1	93	5,44	210	A+++	75	3,81	145	A++	3x 63A"C"	-	3x400 V~	420	yes	-	on request

1) Performance data according to ČSN EN 14 511. B0W35 - antifreeze mixture 0 °C, water 35 °C.
2) Recommended value of el. 3x 400 V fuse as standard, without auxiliary electric boiler
3) Design power at outdoor temperature -10 °C according to ČSN EN 14 825.

Options
Internet HP control Master
Full Cooling reversing (for models: 22Z-90Z)
Passive Cooling module (for models: 22Z-37Z)
Terminal pAD temperature compensation
Terminal pADh floor cooling
Desuperheater
Three phase relay
Softstart
AQ Electric heater 4,5 kW / 6,0 kW / 7,5 kW
Expanded control module for PLUS version
Refrigerant 134a high temperature
Water to water version
Internal unit (silver or red colour)
RAL 9006
RAL 3020

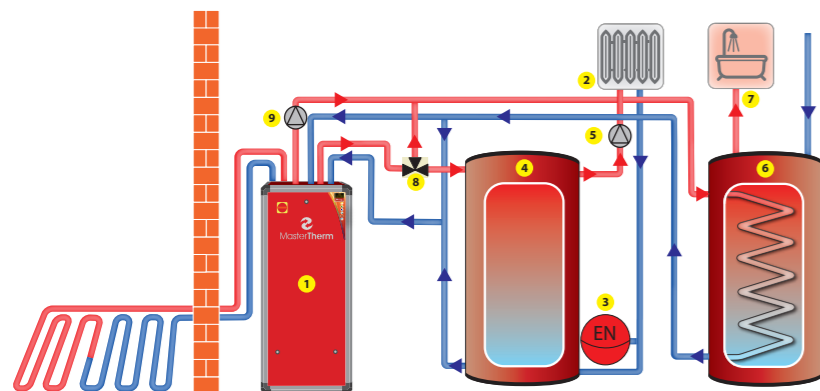
Standard equipment
✓ Integrated graphic terminal PGD
✓ Electronically controlled coolant injection
✓ Equitherm control system MaR
✓ Built-in circulator pumps for primary and secondary circuits
✓ Main power supply switch

Features
▶ Use for heating and cooling
▶ The temperature of heating water to 60°C
▶ Quiet operation
▶ Control up to 6 heating circuits

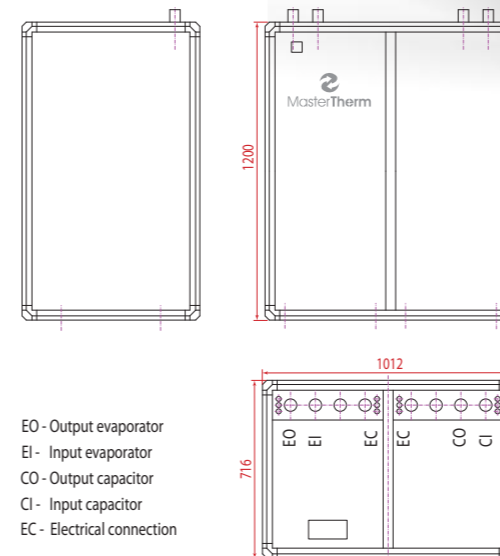
Heat pump connected to a buffer tank and 3wv to the domestic hot water cylinder (dhw) with desuperheater.

1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulation pump, 6-dhw tank with coil, 7- dhw outlet, 8-3way valve, 9-desuperheater circulation pump

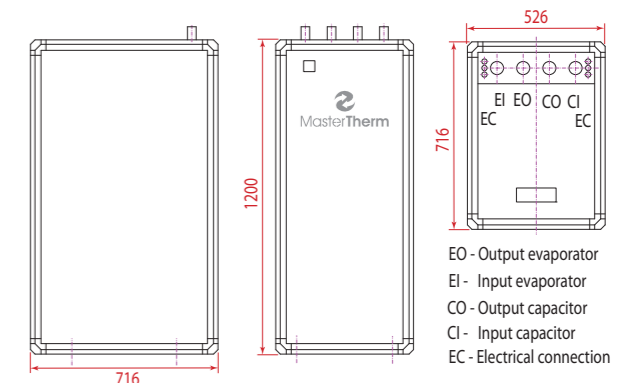
Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. When dhw requested temperature is achieved the heat pump controller moves 3wv back to heating operation. The desuperheater (optional equipment) is an additional exchanger which harvests high potential energy from compressor outlet. An independent circuit with circulator pump (9) is used for high efficiency dhw preparation during heating mode.



Dimensions and connections: 120.2Z – 180.2Z



Dimensions and connections: 22Z – 90Z



Heating circuits control	STANDARD (µPC)	PLUS (pCO5)
Intended for	single-circuit heating systems	multi-circuit heating systems
Main heating circuit	Yes	Yes
Secondary heating circuit	No	2 independent including mixing
Room temperature	In 1 zone	In 2 zones
SHW	Yes	Yes
Optional	No	Up to 6 heating circuits