

Specification

■ Hydro unit

Type		Unit	AE090MNYDEH	AE090MNYDGH	AE160MNYDEH	AE160MNYDGH
Power Source		V/Hz	1ø, 220-240 V~, 50 Hz	3ø, 380-415 V~, 50 Hz	1ø, 220-240 V~, 50Hz	3ø, 380-415 V~, 50 Hz
Operation Range [Water]	Cooling	°C	5~25	5~25	5~25	5~25
	Heating	°C	15~55	15~55	15~55	15~55
Dimension (WxHxD)	Net	mm	850 x 510 x 315	850 x 510 x 315	850 x 510 x 315	850 x 510 x 315
Weight	Net	kg	45.0	46.5	46.5	46.5
Connecting Pipe [Refrigerant]	Liquid	Inch	1/4	1/4	3/8	3/8
	Gas	Inch	5/8	5/8	5/8	5/8
Service Valve Connecting Pipe [Water]	Inlet	Inch	BSPP male 11/4	BSPP male 11/4	BSPP male 11/4	BSPP male 11/4
	Outlet	Inch	BSPP male 11/4	BSPP male 11/4	BSPP male 11/4	BSPP male 11/4
Water Pump	Max Vol Flow	m ³ /h	3.5	3.5	5.0	5.0
Electric Heater	Input power	W	4,000	6,000	6,000	6,000
Flow Switch	Set Point	LPM	7±1.5	7±1.5	12±1.5	12±1.5
Expansion Vessel	Volume	Liter	8.0	8.0	8.0	8.0
Pressure relief valve	Size	Inch	BSPP male 1/2	BSPP male 1/2	BSPP male 1/2	BSPP male 1/2
	Relief Pressure	bar	2.9	2.9	2.9	2.9
Air- vent Valve	Size	inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Operating Outdoor Temp. Range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	Cooling		10 ~ 46	10 ~ 46	10 ~ 46	10 ~ 46
	DHW Water		-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43

✱ Heat pump operating range of DHW : -25 ~ 35 °C

✱ At the temperature -25 °C ~ -20 °C, operation is available but capacity cannot be guaranteed.