

EHS Specification - TDM (A2W & A2A), Split (A2W)



Hydro Unit

- Combining with TDM or Split Outdoor units

**FLUX
PRO**



		TDM			SPLIT		
Model		NH080PHKEA	NH160PHKEA	AEN080YDEHA	AEN160YDEHA	AEN160YDGH A	
Power Supply	Φ, #, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50 3,380-415,50	1,220-240,50 3,380-415,50	1,220-240,50 3,380-415,50	
Performance	Nominal Capacity	Heating W 6,000 / 7,000 / 8,000	11,000 / 14,000 / 16,000	5,200 / 10,000	12,500 / 14,000 / 16,000	12,500 / 14,000 / 16,000	
		Cooling W 7,000 / 7,500 / 8,000	11,300 / 14,200 / 15,600	5,000 / 9,000	11,200 / 12,500 / 14,000	11,200 / 12,500 / 14,000	
	Leaving Water Temp. Range	Heating °C 15-55 (HP : 25-55)	15-55 (HP : 25-55)	15-55 (HP : 25-55)	15-55 (HP : 25-55)	15-55 (HP : 25-55)	
		Cooling °C 5-25	5-25	5-25	5-25	5-25	
Water Side	Required Water Pressure	bar Max 3.0	Max 3.0	Max 3.0	Max 3.0	Max 3.0	
	Required Flow Rate	LPM Min 12.0	Min 16.0	Min 12.0	Min 16.0	Min 16.0	
Piping Connections	In/Out	Φ, inch 1 1/4" (BSPP)	1 1/4" (BSPP)	1 1/4" (BSPP)	1 1/4" (BSPP)	1 1/4" (BSPP)	
		Liquid Φ, mm(inch) 9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	9.52(3/8")	
Refrigerant Side	Piping Connections	Gas Φ, mm(inch) 15.88(5/8")	15.88(5/8")	15.88(5/8")	15.88(5/8")	15.88(5/8")	
	Water Pump	Flow Rate kg/min 17.0 / 20.5 / 23.0	31.5 / 40.1 / 45.9	17.0 / 20.5 / 23.0	31.5 / 40.1 / 45.9	31.5 / 40.1 / 45.9	
Hydro Unit Parts	Electric Heater	Input Power W 4,000	6,000	4,000	6,000	6,000	
	Expansion Vessel	Volume Liter 8	8	8	8	8	
	Pressure Relief Valve	Relief Pressure bar 2.9	2.9	2.9	2.9	2.9	
	Air Purge Valve	Size Φ, inch 3/8" (BSPP male)	3/8" (BSPP male)	3/8" (BSPP male)	3/8" (BSPP male)	3/8" (BSPP male)	
	Service Valve	Size Φ, inch 1 1/4" (BSPP male)	1 1/4" (BSPP male)	1 1/4" (BSPP male)	1 1/4" (BSPP male)	1 1/4" (BSPP male)	
External Dimension	Weight	Net kg 45	48	45	48	45	
		Gross kg 55	58	55	58	55	
Dimensions (WxHxD)	Net	mm 510x850x315	510x850x315	510x850x315	510x850x315	510x850x315	
		Gross mm 564x1,024x412	564x1,024x412	564x1,024x412	564x1,024x412	564x1,024x412	
	Back up Boiler	- 230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	
External Control	Room Thermostat	- 230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	
	Solar Pump	- 230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	230VAC 1A(DI)	
	Valves, 2 or 3way	- 230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	230VAC 1A(DO)	