3. Tank integrated hydro unit

3-1. Specifications

Model Name		Indoor Unit		AE260RNWSGG/EU	AE260RNWSEG/EU	AE260RNWSEG/EU	AE260RNWSEG/EU
		Outdoor Unit		AE090RXEDGG/EU	AE040RXEDEG/EU	AE060RXEDEG/EU	AE090RXEDEG/EU
Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
Power Supply			Φ, #, V, Hz	1,2,220-240,50 3,4,380-415,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Power input	Cooling (Nominal)		kW	3Φ - / 1Φ 0.20	0.2	0.2	0.2
	Heating (Nominal)		kW	3Φ - / 1Φ 0.20	0.2	0.2	0.2
	Cooling (Max)		kW	3Φ - / 1Φ 0.20	0.2	0.2	0.2
	Heating (Max)		kW	3Φ 6.00 / 1Φ 3.20	5.2	5.2	5.2
Current Input	Cooling (Nominal)		A	3Φ - / 1Φ 0.9	0.9	0.9	0.9
	Heating (Nominal)		A	3Φ - / 1Φ 0.9	0.9	0.9	0.9
	Cooling (Max)		A	3Φ - / 1Φ 0.9	0.9	0.9	0.9
	Heating (Max)		A	3Φ 8.7 / 1Φ 14.0	22.7	22.7	22.7
Field Wiring	MCA		A	1Φ 14.0 / 3Φ 8.7	22.7	22.7	22.7
	MFA			11.6	28.4	28.4	28.4
Water Heating	Declared load profile		-	XL	XL	XL	XL
	Energy efficiency Class		-	A+	A+	A+	A+
Connections	Water Flow Rate (Std)[H/C]		LPM	26.0/25.1	12.7/14.4	17.3/18.8	26.0/25.1
	Water Flow Rate	Min	LPM	7.0	7.0	7.0	7.0
		Max	LPM	48.0	48.0	48.0	48.0
	Water Pressure (Max)		bar	3	3	3	3
	Refrigerant pipe (To outdoor unit)	Type	-	Flare nut	Flare nut	Flare nut	Flare nut
		Liquid	Φ, mm	6.35	6.35	6.35	6.35
		Gas	Φ, mm	15.88	15.88	15.88	15.88
	Water pipe (Space heating)	Type	-	Straight pipe	Straight pipe	Straight pipe	Straight pipe
		Inlet	Φ, mm	28	28	28	28
		Outlet	Φ, mm	28	28	28	28
	Water pipe (DHW)	Type	-	Straight pipe	Straight pipe	Straight pipe	Straight pipe
		Inlet	Φ, mm	22	22	22	22
		Outlet	Φ, mm	22	22	22	22
	Water pipe (Secondary water return, Only 260L optional)	Type	-	Straight pipe	Straight pipe	Straight pipe	Straight pipe
		Inlet	Φ, mm	22	22	22	22
	Leaving Water Temperature	Heating	℃	15~65	15~65	15~65	15~65
		Cooling	℃	5~25	5~25	5~25	5~25
DHW Tank	Nominal Water Volume		liter	260	260	260	260
	Net Water Volume		liter	254	254	254	254
	Material		-	SUS 316L	SUS 316L	SUS 316L	SUS 316L
	Max. water pressure		bar	10	10	10	10
	Max. water temperature		℃	70	70	70	70
	Immersion heater (= booster heater)		kW	3 (230V)	3 (230V)	3 (230V)	3 (230V)
	Insulation		-	PU Foam	PU Foam	PU Foam	PU Foam
Water Pump	Type		-	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)
	Motor Input		W	100	100	100	100
	Number of Unit		EA	1	1	1	1
Backup Heater	Power		kW	6 (3Φ 400V)	2 (230V)	2 (230V)	2 (230V)
	Thermostat (Thermal Fuse)		℃	65 (93)	65 (93)	65 (93)	65 (93)

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		Outdoor Unit		AE090RXEDGG/EU	AE040RXEDEG/EU	AE060RXEDEG/EU	AE090RXEDEG/EU
Safety device	Pressure relief valve		bar	2.9	2.9	2.9	2.9
	Flow Sensor		LPM	5~60	5~60	5~60	5~60
	Temperature & Pressure relief valve (Tank)		bar, ℃	7, 90	7, 90	7, 90	7, 90
	Thermostat(for immersion heater)		℃	49~82±5 (Auto, On : 15℃±3℃↓)	49~82±5 (Auto, On : 15℃±3℃↓)	49~82±5 (Auto, On : 15℃±3℃↓)	49~82±5 (Auto, On : 15℃±3℃↓)
Expansion vessel	Internal water volume		liter	8	8	8	8
	Working pressure		MPa	0.3	0.3	0.3	0.3
Water Pump (Primary)	Type		-	BLDC Inv	BLDC Inv	BLDC Inv	BLDC Inv
	Max static pressure		mAq	9.5	9.5	9.5	9.5
Water Heat Exchanger	Type		-	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager
	Internal water volume		L	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)
IP Class			-	IPX1	IPX1	IPX1	IPX1
Air Purge Valve			Φ, inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Service Valve			Φ, inch	BSPP male 1 1/4	BSPP male 1 1/4	BSPP male 1 1/4	BSPP male 1 1/4
Sound	Sound Pressure	Heating	dB(A)	26	26	26	26
		Cooling	dB(A)	26	26	26	26
	Sound Power	Heating	dB(A)	40	40	40	40
External Dimension	Net Weight		kg	146.0	146.0	146.0	146.0
	Shipping Weight		kg	158.0	158.0	158.0	158.0
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
	Shipping Dimensions (WxHxD)		mm	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780

NOTE

- Specifications may be subject to change without prior notice.