

Specifications for Air to Water Heat Pump (R32)

Model		AEYC-1242XU	AEYC-1642XU3
Power Supply		230V 50Hz	400V 50Hz
Average Low Temperature	SCOP	4.7	4.1
Average High Temperature	SCOP	3.2	3.2
Heating (A7W35)	Capacity (Rated)	12kW	16kW
	Power Input	2.79kW	3.90kW
	Running Current	12.2A (Max. 23.0A)	6.0A (Max. 9.0A)
	Power Factor	99%	99%
	COP	4.30	4.10
	Water Circulation	34.4L/min	45.9L/min
Heating (A7W45)	Capacity (Rated)	11.0kW	14.5kW
	Power Input	3.33kW	4.50kW
	COP	3.30	3.22
	Water Circulation	31.6L/min	41.6L/min
Cooling (A35W18)	Capacity (Rated)	12kW	16kW
	Power Input	3.16kW	4.10kW
	Running Current	13.8A (Max. 20.2A)	5.7A (Max. 7.6A)
	Power Factor	99%	99%
	EER	3.80	3.90
	Water Circulation	34.4L/min	45.9L/min
Cooling (A35W7)	Capacity (Rated)	9.0kW	12.5kW
	Power Input	3.00kW	4.03kW
	EER	3.00	3.10
	Water Circulation	25.8L/min	35.8L/min
Noise Level (Sound Pressure)	Heating	51dB(A)	51dB(A)
	Cooling	50dB(A)	51dB(A)
Water Circulation	Max.	40L/min	50L/min
	Min.	15L/min	15L/min
Refrigerant Amount		2.20kg	2.80kg
Max. Current		23.0A	9.0A
Max. Pressure (Refrigerant)	Discharge	4.2MPa	4.2MPa
	Suction	1.5MPa	1.5MPa
Operating Pressure (Water)	Rated	1.0bar	1.0bar
	Max.	3.0bar	3.0bar
Water Capacity		2.0L	2.0L
Dimensions (H x W x D)	Net	1,418 x 1,000 x 330mm	1,418 x 1,000 x 330mm
	Gross	1,610 x 1,120 x 470mm	1,610 x 1,120 x 470mm
Weight	Net	98kg	120kg
	Gross	111kg	135kg
Water Pipe Connection	Outgoing	φ 35	φ 35
	Return	φ 35	φ 35
Operating Range	Heating	-20~43°C	-20~43°C
	Cooling	8~43°C	8~43°C
Leaving Water Temperature	Heating	~60°C	~60°C
	Cooling	6.5°C~	6.5°C~