

## Specifications for Air to Water Heat Pump (R32)

Model		AEYC-0643XU	AEYC-1043XU	AEYC-1643XU
Power Supply		230V 50Hz	230V 50Hz	230V 50Hz
Average Low Temperature	SCOP	4.7	4.8	4.5
Average High Temperature	SCOP	3.2	3.2	3.2
Heating (A7W35)	Capacity (Rated)	6.0kW	10.0kW	16.0kW
	Power Input	1.43kW	2.28kW	3.72kW
	Running Current	6.3A (Max. 11.2A)	10.1A (Max. 17.5A)	16.3A (Max. 25.3A)
	Power Factor	96.3%	99.0%	99.0%
	COP	4.20	4.39	4.30
	Water Circulation	17.2L/min	28.7L/min	45.9L/min
Heating (A7W45)	Capacity (Rated)	5.6kW	9.8kW	14.5kW
	Power Input	1.75kW	2.88kW	4.40kW
	COP	3.20	3.40	3.30
	Water Circulation	16.1L/min	28.1L/min	41.6L/min
Cooling (A35W18)	Capacity (Rated)	5.0kW	8.0kW	16.0kW
	Power Input	1.28kW	2.28kW	4.10kW
	Running Current	5.6A (Max. 8.1A)	10.0A (Max. 11.6A)	17.8A (Max. 23.0A)
	Power Factor	95.7%	98.7%	99.0%
	EER	3.91	3.51	3.90
	Water Circulation	14.3L/min	22.9L/min	45.9L/min
Cooling (A35W7)	Capacity (Rated)	3.75kW	5.00kW	12.5kW
	Power Input	1.38kW	1.89kW	4.03kW
	EER	2.72	2.65	3.10
	Water Circulation	10.8L/min	14.3L/min	35.8L/min
Noise Level (Sound Pressure)	Heating	49dB(A)	53dB(A)	51dB(A)
	Cooling	47dB(A)	52dB(A)	51dB(A)
Water Circulation	Max.	20L/min	40L/min	50L/min
	Min.	5L/min	10L/min	15L/min
Refrigerant Amount		0.80kg	1.55kg	2.80kg
Max. Current		11.2A	17.5A	25.3A
Max. Pressure (Refrigerant)	Discharge	4.2MPa	4.2MPa	4.2MPa
	Suction	1.8MPa	1.8MPa	1.7MPa
Operating Pressure (Water)	Rated	1.0Bar	1.0Bar	1.0Bar
	Max.	3.0Bar	3.0Bar	3.0Bar
Water Capacity		1.0L	1.8L	2.0L
Dimensions (H x W x D)	Net	675 x 825 x 300mm	882 x 850 x 330mm	1,418 x 1,000 x 330mm
	Gross	760 x 990 x 430mm	960 x 1,055 x 480mm	1,610 x 1,120 x 470mm
Weight	Net	50 kg	69 kg	116 kg
	Gross	54kg	74kg	129kg
Water Pipe Connection	Outgoing	Φ 20	Φ 25.4	Φ 35
	Return	Φ 20	Φ 25.4	Φ 35
Operating Range	Heating	-20~43°C	-20~43°C	-20~43°C
	Cooling	8~43°C	8~43°C	8~43°C
Leaving Water Temperature	Heating	~60°C	~60°C	~60°C
	Cooling	6.5°C~	6.5°C~	6.5°C~