



Made In Japan

# AIR TO WATER HEAT PUMP SYSTEMS

COOLING & HEATING



REGISTERED NO.  
JQ 0065C

ISO 9001

JISQ 9901

QS Accreditation

R.O.4



CHOFU SEISAKUSHO CO., LTD.  
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YAMAGUCHI PREF., 752-8555, JAPAN  
URL: <https://www.chofu.co.jp/>

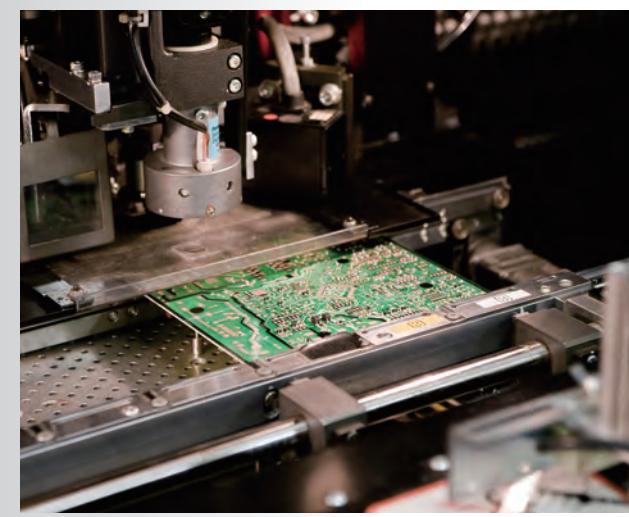
MONOBLOC TYPE

The world is yet to discover another quality products from Japan. Dependable and long-lasting CHOFU "AIR TO WATER HEAT PUMP SYSTEMS" are now available for your comfort and luxury.



## "CHOFU" is Made In Japan.

CHOFU has continued to manufacture air to water heat pump systems in Japan. Superb technology coupled with state-of-the-art production equipment has ensured excellent quality. You will be more than satisfied with quality and craftsmanship you can expect only from CHOFU.



# FEATURES

## COMPONENTS

### DC INVERTER

DC inverter control responds promptly and provides most appropriate capacity load corresponding to heating/cooling demand.



### DC PUMP

High-efficiency DC pump saves energy and promises stable and sustainable water flow.



### DC TWIN ROTARY COMPRESSOR

High-efficiency DC twin rotary compressor achieves highest smooth performance with quiet operation.



### PLATE WATER HEAT EXCHANGER

Renowned heat exchanger promises high-efficiency heat transfer.

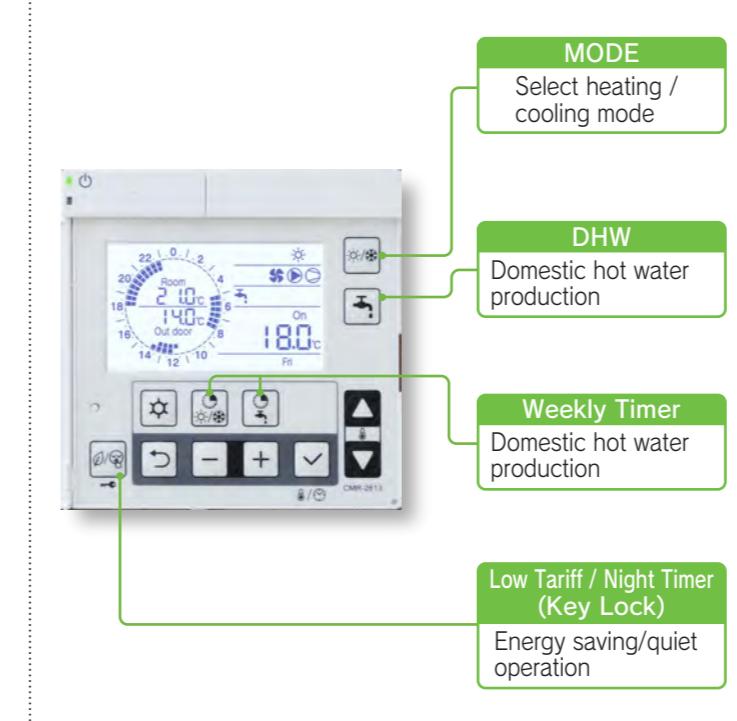


### ANTI-FREEZING HEATER

Built-in anti-freezing heater prevents drain water from freezing on the base of unit.

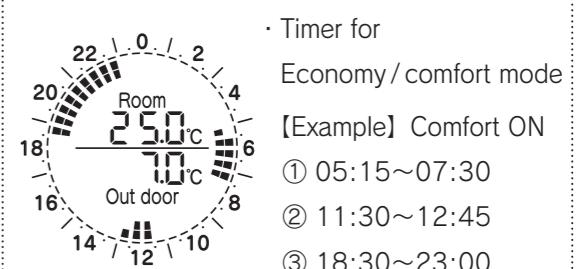


## REMOTE CONTROLLER



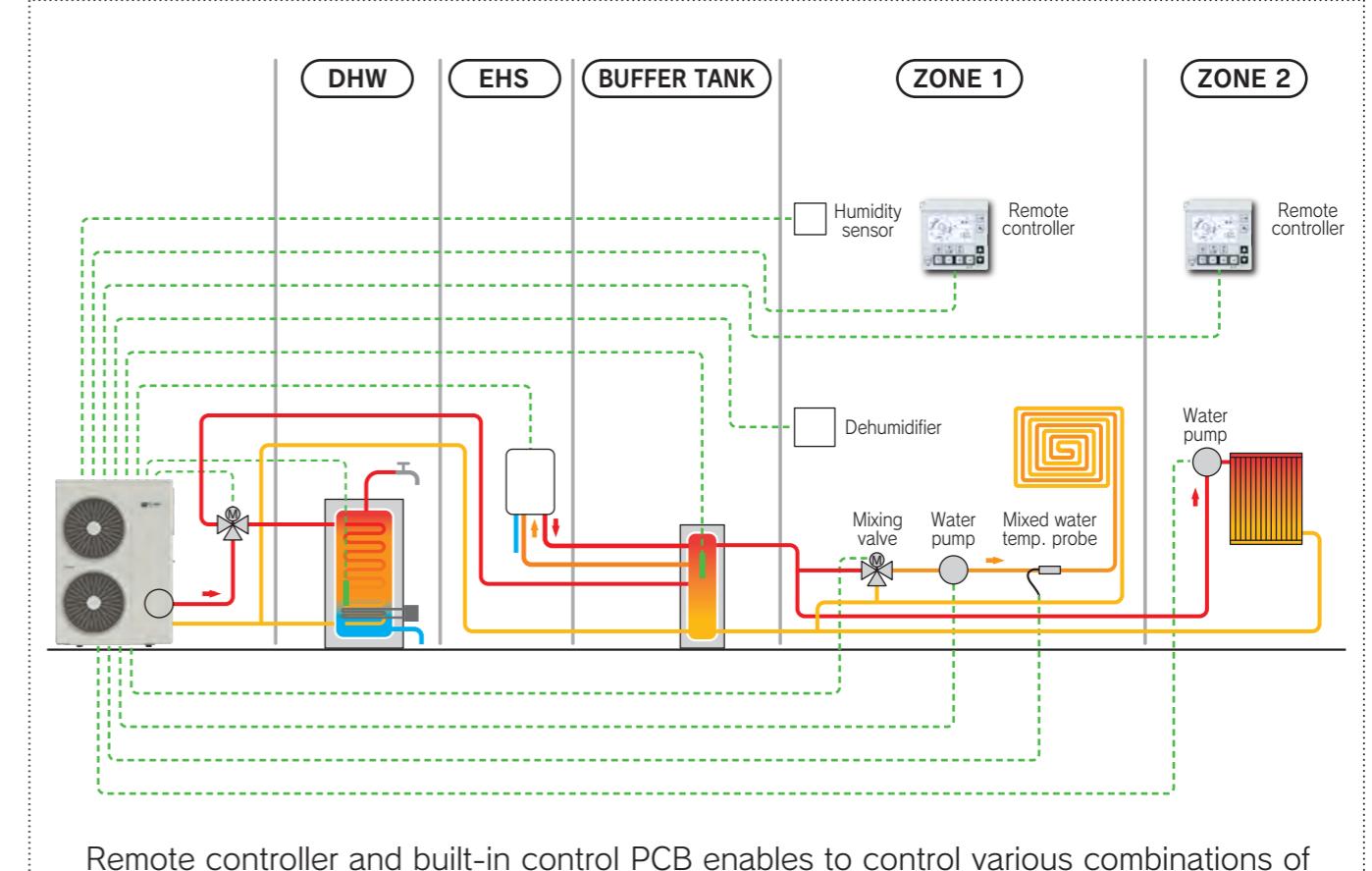
## FUNCTION

- Climatic curve setting (heating & cooling)
- Low tariff mode
- Night mode (quiet operation)
- Weekly Timer Operation (Time band control)



- Anti-legionella
- Frost protection

## SYSTEM CONFIGURATION

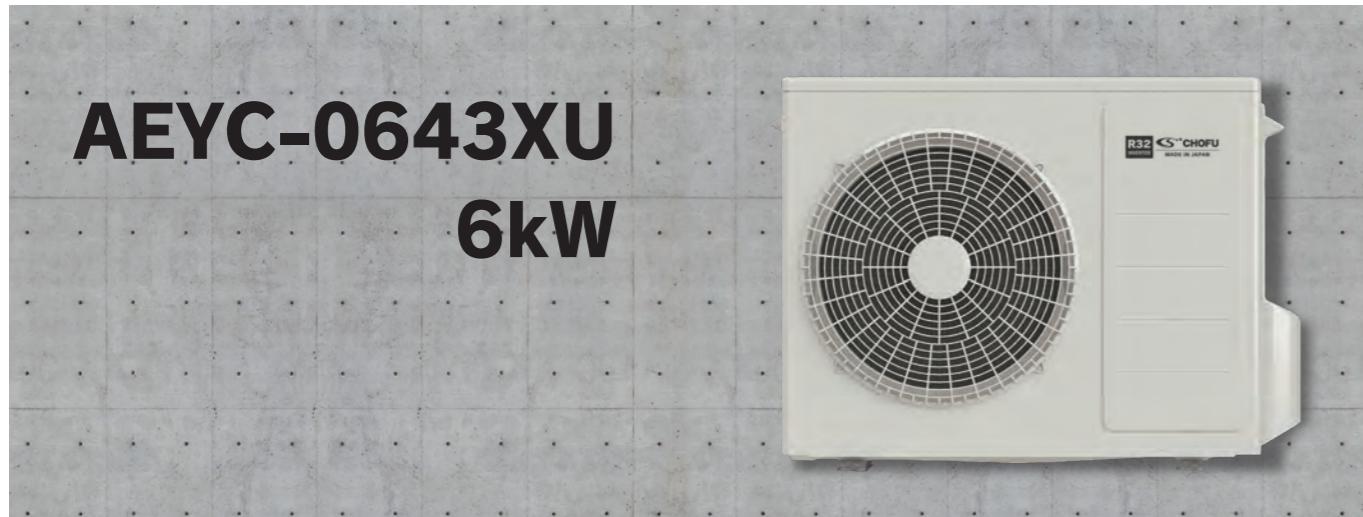


# PRODUCT



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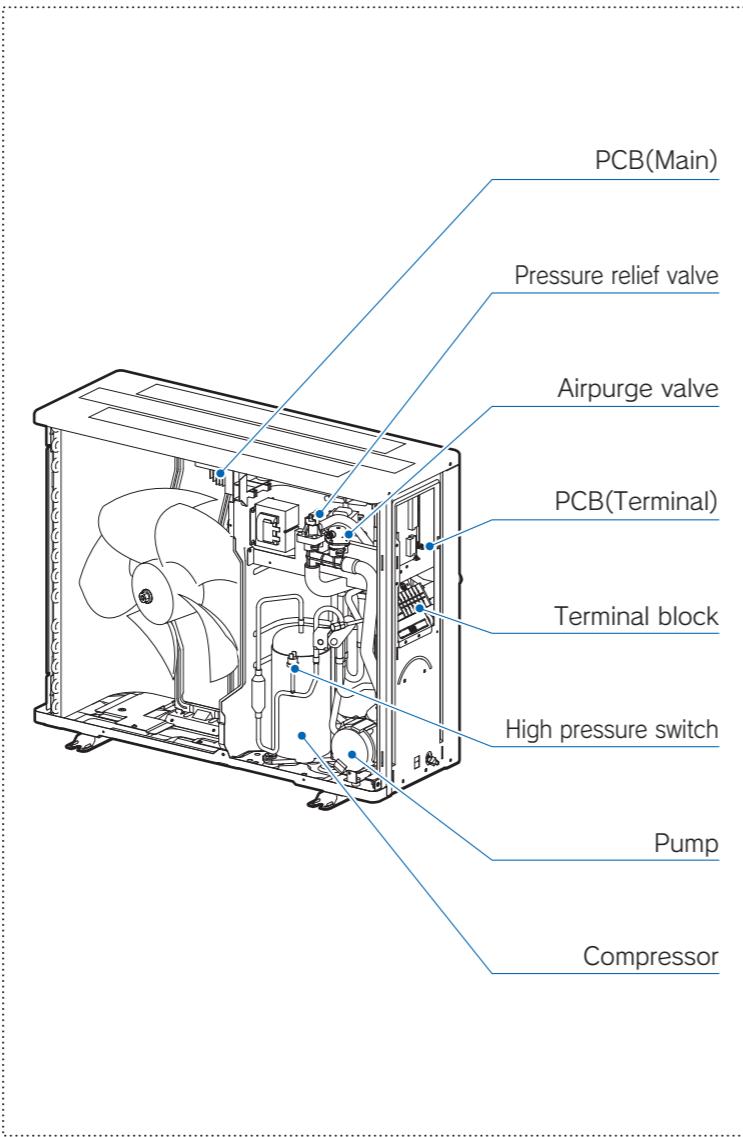
R32 A++ 55 °C A+++ 35°C



**AEYC-0643XU**  
**6kW**

## SPECIFICATIONS

Model	AEYC-0643XU	
Power Supply (Single Phase)	230V 50Hz	
Average Low Temperature   SCOP	4.7	
Average High Temperature   SCOP	3.2	
Heating (A7W35)	Capacity (Rated)	6.0kW
	Power Input	1.43kW
	Running Current	6.3A (Max. 11.2A)
	Power Factor	96%
	COP	4.20
Heating (A7W45)	Water Circulation	17.2L/min
	Capacity (Rated)	5.6kW
	Power Input	1.75kW
	COP	3.20
Cooling (A35W18)	Water Circulation	16.1L/min
	Capacity (Rated)	5.0kW
	Power Input	1.28kW
	Running Current	5.6A (Max. 8.1A)
	Power Factor	96%
Cooling (A35W7)	EER	3.91
	Water Circulation	14.3L/min
	Capacity (Rated)	3.75kW
	Power Input	1.38kW
Noise Level (Sound Pressure)	EER	2.72
	Water Circulation	10.8L/min
Water Circulation	Max	20L/min
	Min	5L/min
Refrigerant Amount		0.80kg
Max Current		11.2A
Max Pressur (Refrigerant)	Discharge	4.2MPa
	Suction	1.8MPa
Operating Pressur (Water)	Rated	1.0Bar
	Max	3.0Bar
Water Capacity		1.0L
Dimensions (H×W×D)	Net	675×825×300mm
	Gross	760×990×430mm
Weight	Net	50 kg
	Gross	54kg
Water Pipe Connection	Outgoing	Φ20
	Retern	Φ20
Operating Range	Heating	-20 ~ 43°C
	Cooling	8 ~ 43°C
Leaving Water Temperature	Heating	~ 60°C
	Cooling	6.5°C ~



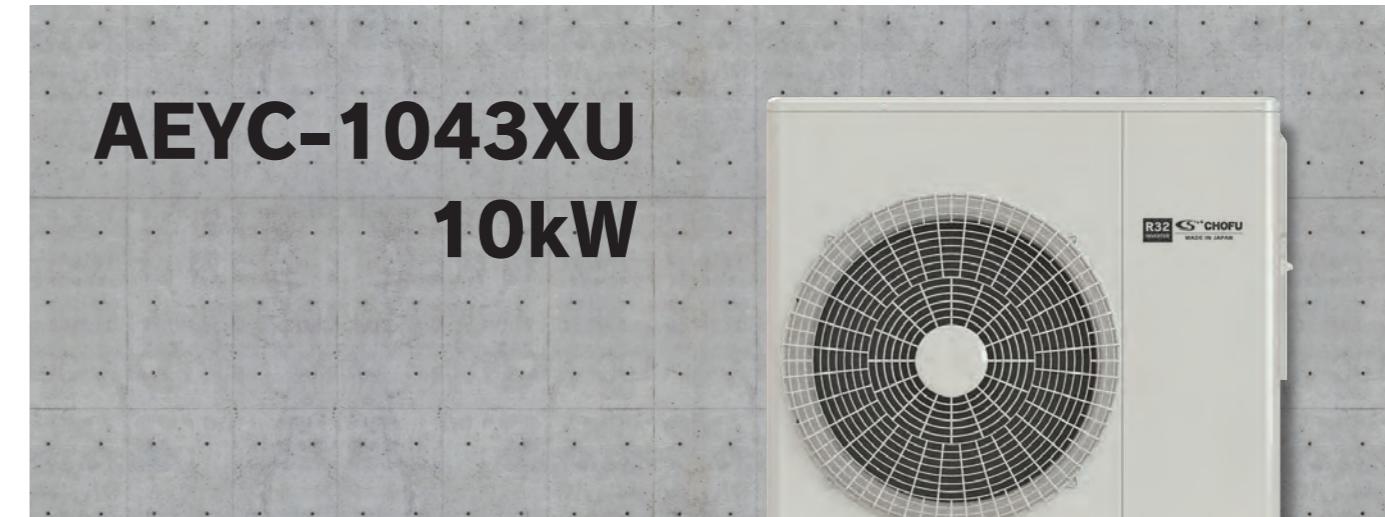
※Specifications are subject to change without prior notice.

# PRODUCT



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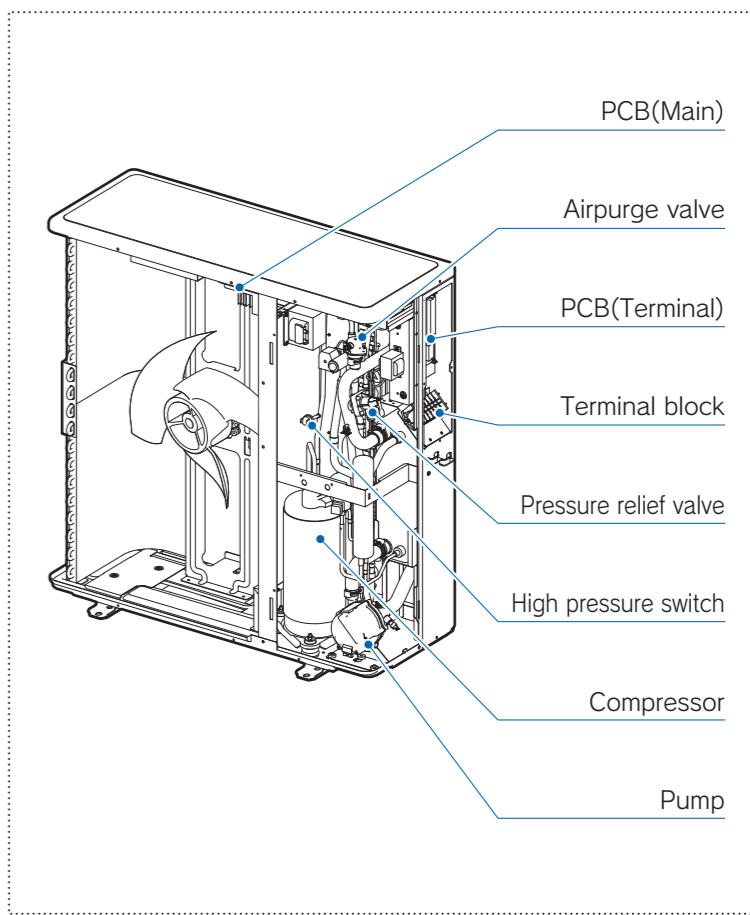
R32 A++ 55 °C A+++ 35°C



**AEYC-1043XU**  
**10kW**

## SPECIFICATIONS

Model	AEYC-1043XU	
Power Supply (Single Phase)	230V 50Hz	
Average Low Temperature   SCOP	4.8	
Average High Temperature   SCOP	3.2	
Heating (A7W35)	Capacity (Rated)	10.0kW
	Power Input	2.28kW
	Running Current	10.1A (Max. 17.5A)
	Power Factor	99%
	COP	4.39
Heating (A7W45)	Water Circulation	28.7L/min
	Capacity (Rated)	9.8kW
	Power Input	2.88kW
	COP	3.40
Cooling (A35W18)	Water Circulation	28.1L/min
	Capacity (Rated)	8.0kW
	Power Input	2.28kW
	Running Current	10.0A (Max. 11.6A)
	Power Factor	99%
Cooling (A35W7)	EER	3.51
	Water Circulation	22.9L/min
	Capacity (Rated)	5.00kW
	Power Input	1.89kW
Noise Level (Sound Pressure)	EER	2.65
	Water Circulation	14.3L/min
Water Circulation	Max	30L/min
	Min	10L/min
Refrigerant Amount		1.55kg
Max Current		17.5A
Max Pressur (Refrigerant)	Discharge	4.2MPa
	Suction	1.8MPa
Operating Pressur (Water)	Rated	1.0Bar
	Max	3.0Bar
Water Capacity		1.8L
Dimensions (H×W×D)	Net	882×850×330mm
	Gross	960×1,055×480mm
Weight	Net	69 kg
	Gross	74kg
Water Pipe Connection	Outgoing	Φ25.4
	Retern	Φ25.4
Operating Range	Heating	-20 ~ 43°C
	Cooling	8 ~ 43°C
Leaving Water Temperature	Heating	~ 60°C
	Cooling	6.5°C ~



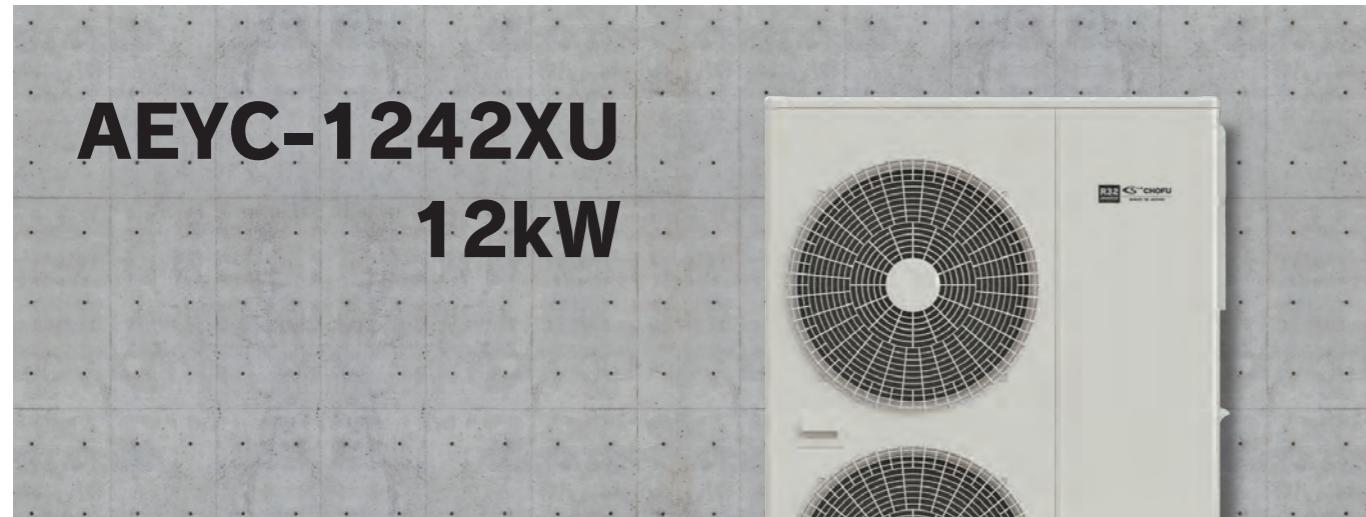
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# PRODUCT



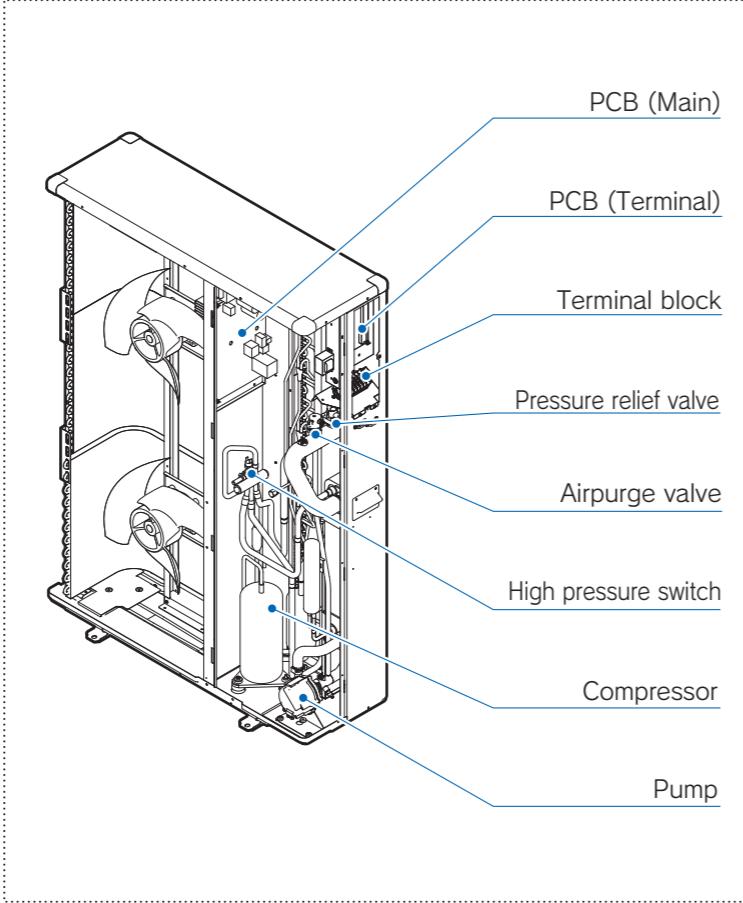
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R32 A++ 55 °C A+++ 35°C



## SPECIFICATIONS

Model	AEYC-1242XU	
Power Supply (Single Phase)	230V 50Hz	
Average Low Temperature   SCOP	4.7	
Average High Temperature   SCOP	3.2	
Heating (A7W35)	Capacity (Rated)	12kW
	Power Input	2.79kW
	Running Current	12.2A (Max. 23.0A)
	Power Factor	99%
	COP	4.30
Heating (A7W45)	Water Circulation	34.4L/min
	Capacity (Rated)	11.0kW
	Power Input	3.33kW
	COP	3.30
Cooling (A35W18)	Water Circulation	31.6L/min
	Capacity (Rated)	12kW
	Power Input	3.16kW
	Running Current	13.8A (Max. 20.2A)
	Power Factor	99%
Cooling (A35W7)	EER	3.80
	Water Circulation	34.4L/min
	Capacity (Rated)	9.0kW
	Power Input	3.00kW
Noise Level (Sound Pressure)	EER	3.00
	Water Circulation	25.8L/min
	Water Circulation	34.4L/min
Water Circulation	Max	40L/min
Water Circulation	Min	15L/min
Refrigerant Amount		
Max Current		
Max Pressur (Refrigerant)	Discharge	4.2MPa
	Suction	1.5MPa
Operating Pressur (Water)	Rated	1.0bar
	Max	3.0bar
Water Capacity		
Dimensions (H×W×D)	Net	1,418×1,000×330mm
	Gross	1,610×1,120×470mm
Weight	Net	98kg
	Gross	111kg
Water Pipe Connection	Outgoing	Φ35
	Retern	Φ35
Operating Range	Heating	-20 ~ 43°C
	Cooling	8 ~ 43°C
Leaving Water Temperature	Heating	~ 60°C
	Cooling	6.5°C ~



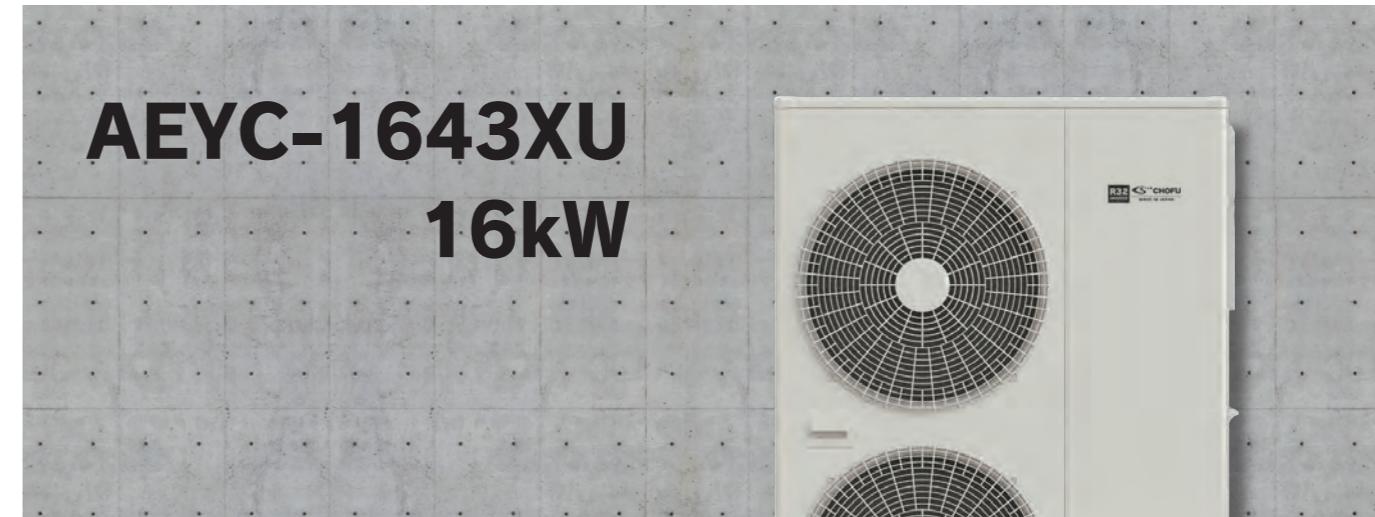
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# PRODUCT



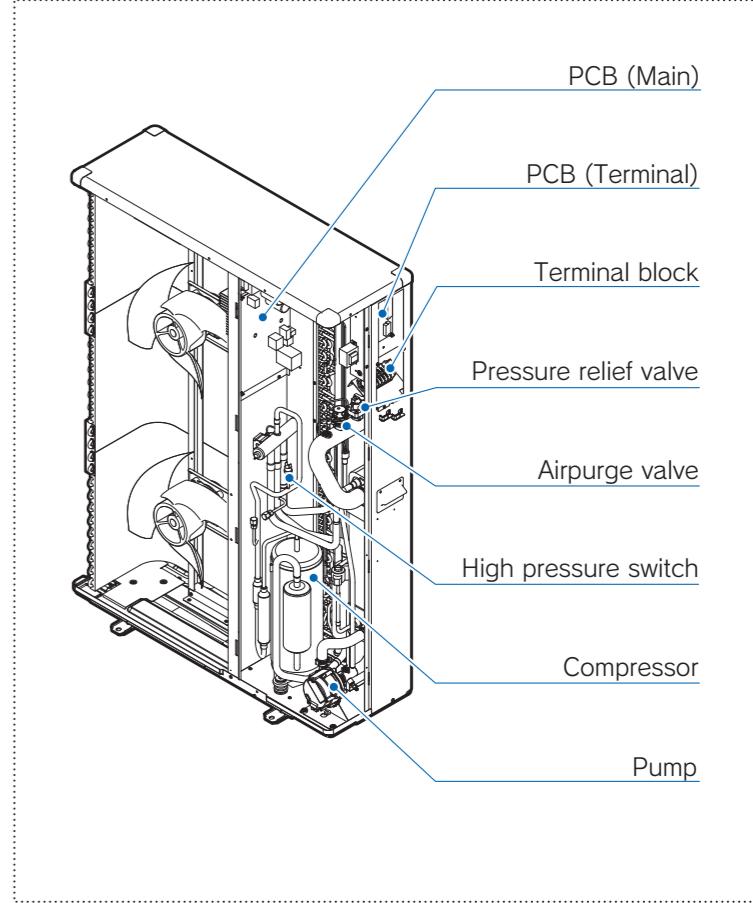
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R32 A++ 55 °C A+++ 35°C



## SPECIFICATIONS

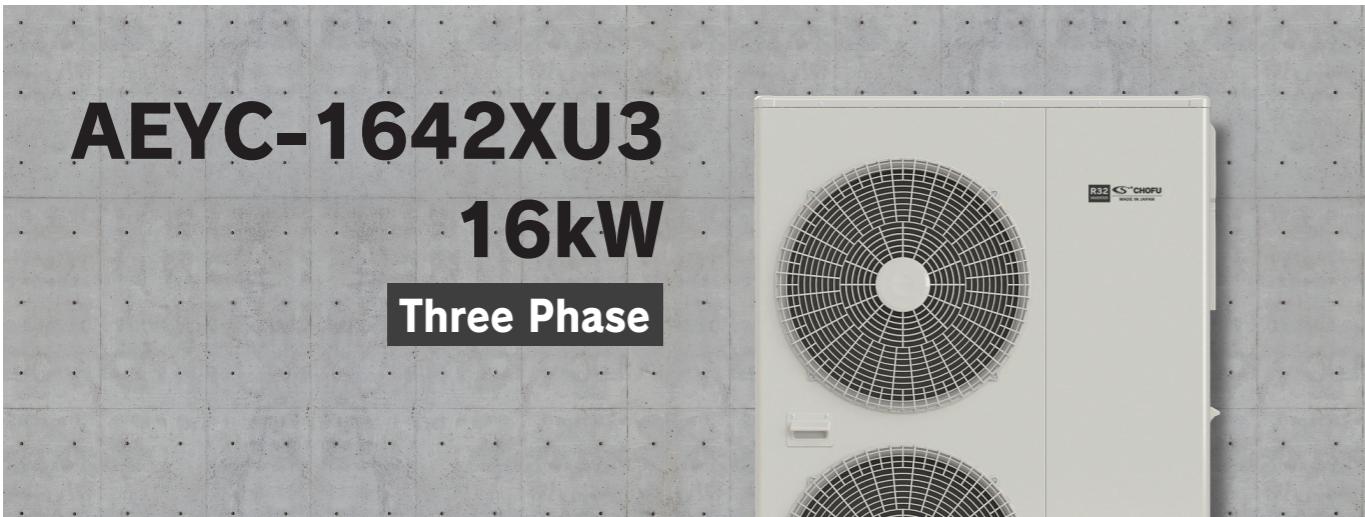
Model	AEYC-1643XU	
Power Supply (Single Phase)	230V 50Hz	
Average Low Temperature   SCOP	4.5	
Average High Temperature   SCOP	3.2	
Heating (A7W35)	Capacity (Rated)	16.0kW
	Power Input	3.72kW
	Running Current	16.3A (Max. 25.3A)
	Power Factor	99%
	COP	4.30
Heating (A7W45)	Water Circulation	45.9L/min
	Capacity (Rated)	14.5kW
	Power Input	4.40kW
	COP	3.30
Cooling (A35W18)	Water Circulation	41.6L/min
	Capacity (Rated)	16.0kW
	Power Input	4.10kW
	Running Current	17.8A (Max. 23.0A)
	Power Factor	99%
Cooling (A35W7)	EER	3.90
	Water Circulation	45.9L/min
	Capacity (Rated)	12.5kW
	Power Input	4.03kW
Noise Level (Sound Pressure)	EER	3.10
	Water Circulation	35.8L/min
	Water Circulation	35.8L/min
Water Circulation	Max	50L/min
Water Circulation	Min	15L/min
Refrigerant Amount		
Max Current		
Max Pressur (Refrigerant)	Discharge	4.2MPa
	Suction	1.7MPa
Operating Pressur (Water)	Rated	1.0Bar
	Max	3.0Bar
Water Capacity		
Dimensions (H×W×D)	Net	1,418×1,000×330mm
	Gross	1,610×1,120×470mm
Weight	Net	116 kg
	Gross	129kg
Water Pipe Connection	Outgoing	Φ35
	Retern	Φ35
Operating Range	Heating	-20 ~ 43°C
	Cooling	8 ~ 43°C
Leaving Water Temperature	Heating	~ 60°C
	Cooling	6.5°C ~



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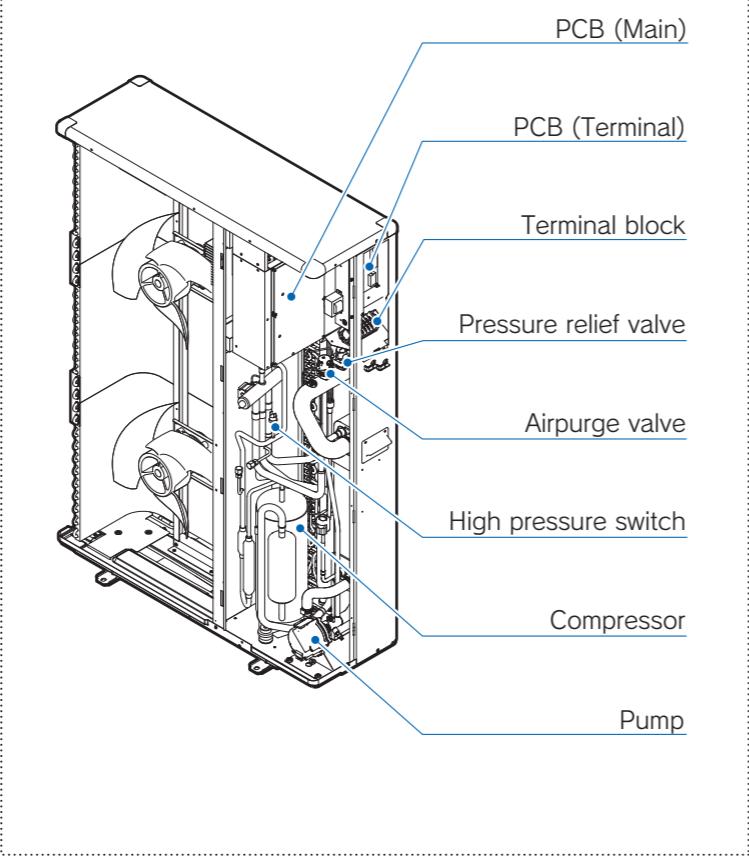


**R32** A++ A+++  
55 °C 35°C



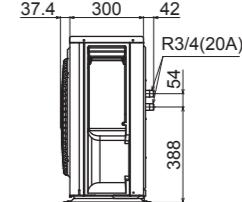
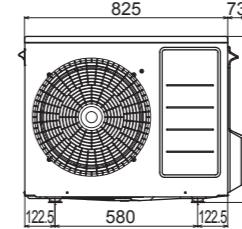
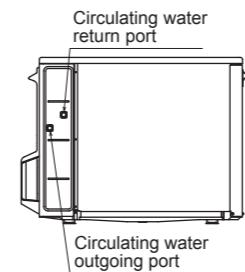
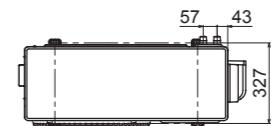
### SPECIFICATIONS

Model	AEYC-1642XU3
Power Supply (Three Phase)	400V 50Hz
Average Low Temperature   SCOP	4.4
Average High Temperature   SCOP	3.3
Heating (A7W35)	Capacity (Rated) 16kW
	Power Input 3.90kW
	Running Current 6.0A (Max. 9.0A)
	Power Factor 99%
	COP 4.10
Heating (A7W45)	Water Circulation 45.9L/min
	Capacity (Rated) 14.5kW
	Power Input 4.50kW
	COP 3.22
	Water Circulation 41.6L/min
Cooling (A35W18)	Capacity (Rated) 16kW
	Power Input 4.10kW
	Running Current 5.7A (Max. 7.6A)
	Power Factor 99%
	EER 3.90
Cooling (A35W7)	Water Circulation 45.9L/min
	Capacity (Rated) 12.5kW
	Power Input 4.03kW
	EER 3.10
	Water Circulation 35.8L/min
Noise Level (Sound Pressure)	Heating 51dB(A)
	Cooling 51dB(A)
Water Circulation	Max 50L/min
	Min 15L/min
Refrigerant Amount	
Max Current 9.0A	
Max Pressur (Refrigerant)	Discharge 4.2MPa
	Suction 1.5MPa
Operating Pressur (Water)	Rated 1.0bar
	Max 3.0bar
Water Capacity 2.0L	
Dimensions (H×W×D)	Net 1,418×1,000×330mm
	Gross 1,610×1,120×470mm
Weight	Net 120kg
	Gross 135kg
Water Pipe Connection	Outgoing φ35
	Retern φ35
Operating Range	Heating -20 ~ 43°C
	Cooling 8 ~ 43°C
Leaving Water Temperature	Heating ~ 60°C
	Cooling 6.5°C ~

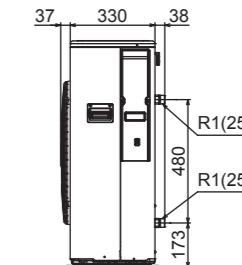
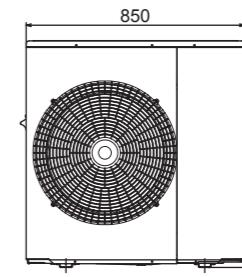
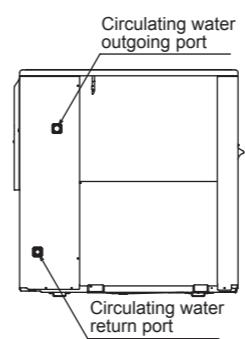
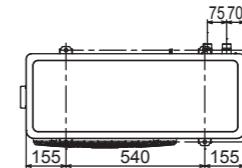


### DIMENSIONS

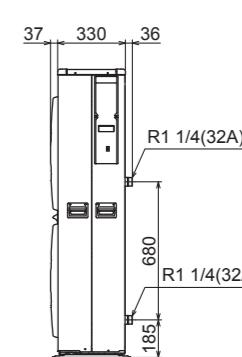
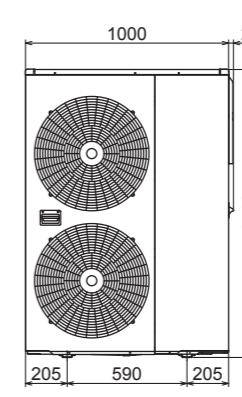
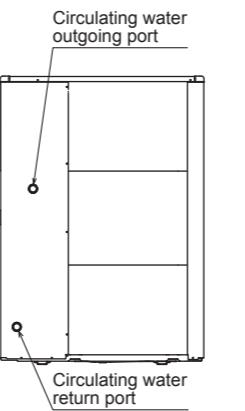
AEYC-0643XU



AEYC-1043XU



AEYC-1242XU · AEYC-1643XU · AEYC-1642XU3



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