



Energy efficiency class A++ / A+
 SCOP up to 4.2 / SEER up to 6.5
 Cooling down to -20°C ambient temperature
 Heating down to -20°C ambient temperature
 Low GWP refrigerant R32

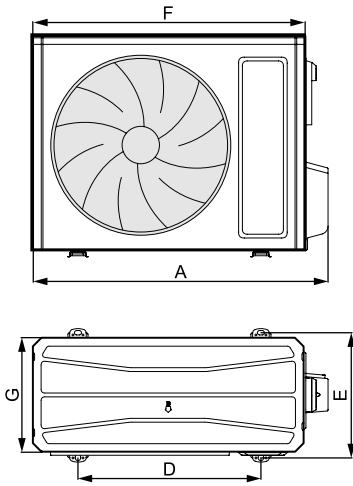


PRODUCT DATA

Model			ACU-35R32/1	ACU-50R32/1	ACU-71R32/1	ACU-85R32/1
Capacity	Cooling	kW	3.5	5.3	7.1	8.5
	Heating	kW	4.0	5.6	8.0	8.8
Input Power	Cooling	kW	1.03	1.51	1.92	2.50
	Heating	kW	1.00	1.42	2.00	2.25
EER/COP			3.40/4.00	3.50/3.95	3.70/4.00	3.40/3.90
SEER/SCOP			6.50/4.00	6.30/4.00	6.60/4.10	6.40/4.10
Energy Class (Cooling / Heating)			A++/A+		A++/A+	
Power Supply			220-240V/1N/50Hz			
Sound pressure level		dB(A)	48	52	55	57
Sound power level		dB(A)	56	65	69	70
Refrigerant charge		kg	0.57	0.85	1.50	1.50
Connection pipe	Liquid pipe	mm	Φ 6.35		Φ 9.52	
	Gas pipe	mm	Φ 9.52	Φ 12.7	Φ 15.09	
Refrigerant Pipe	Max. Length	m	30			
	Max. Height	m	15	20	20	25
Dimension (WxDxH)	Outline	mm	732x285x553	802x300x555	958x340x660	
	Package	mm	794x376x605	872x398x609	1032x456x730	
Net/Gross weight		kg	24.5/27.0	30.5/33.0	41.5/45.0	46.0/50.0
Model			ACU-100R32/1	ACU-125R32/3	ACU-140R32/3	ACU-160R32/3
Capacity	Cooling	kW	10.5	12.1	13.4	16.0
	Heating	kW	11.5	13.5	15.5	17.0
Input Power	Cooling	kW	3.00	3.58	4.50	5.40
	Heating	kW	2.88	3.70	4.50	4.70
EER/COP			3.50/4.10	3.38/3.65	2.98/3.44	2.96/3.62
SEER/SCOP			6.40/4.20	6.10/4.10	6.10/4.00	6.10/4.00
Energy Class (Cooling / Heating)			A++/A+		A++/A+	
Power Supply			220-240V/1N/50Hz		380-415V/3N/50Hz	
Sound pressure level		dB(A)	57	58	59	60
Sound power level		dB(A)	70	73	75	75
Refrigerant charge		kg	2.1	2.25	2.8	3.5
Connection pipe	Liquid pipe	mm	Φ 9.52		Φ 9.52	
	Gas pipe	mm	Φ 15.09		Φ 15.09	
Refrigerant Pipe	Max. Length	m	75			
	Max. Height	m	30	30	30	30
Dimension (WxDxH)	Outline	mm	1020x370x820			1070x370x960
	Package	mm	1093x497x885			1153x478x1110
Net/Gross weight		kg	65.0/72.0	76.0/83.0	81.0/88.0	94.0/103.0

The ODU operation temperature range is -20~52°C in cooling and -20~24°C in heating.
 The data is measured under following conditions: Cooling: Indoor temp. 27°C DB and outdoor temp. 35°C DB
 Heating: Indoor temp. of 20°C DB and outdoor temp. of 7°C DB, 6°C WB.
 Sound pressure level was measured at a distance 1 m.

DIMENSIONS



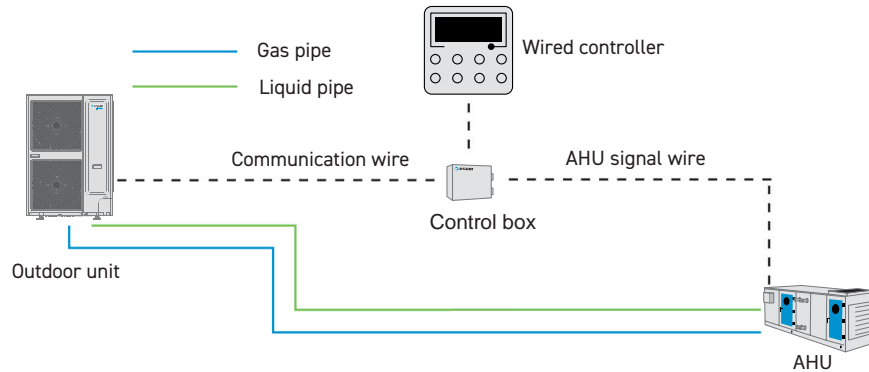
MODEL	A	B	C	D	E	F	G
ACU-35R32/1	732	330	553	455	310	675	285
ACU-50R32/1	802	350	555	512	331	745	300
ACU-71R32/1	958	402	660	570	371	889	340
ACU-85R32/1	958	402	660	570	371	889	340
ACU-100R32/1	1020	427	820	635	396	940	370
ACU-125R32/3	1020	427	820	635	396	940	370
ACU-140R32/3	1020	427	820	635	396	940	370
ACU-160R32/3	1070	427	960	755	396	990	370

AHU kit ACU/A-S

The ACU/A-S AHU kit is used with ACU Inverter Heat pump unit and AHU cooling/heating coil.

AHU kit consist of:

- Control box
- Wired controller XE7A-24/H
- Temperature sensors



MODEL	Selected Capacity (kW)	Allowed Heat Exchanger Capacity (kW)				Recommended Air Flow Volume (m ³ /h)		Max distance between Heat pump and AHU (m)	
		Cooling		Heating		Min	Max	Length	Height
		Min	Max	Min	Max				
ACU/A-S	3,5	3,2	3,8	3,2	4,4	420	650	30	15
	5,3	4,8	5,7	4,6	6,1	600	900	30	20
	7,1	6,4	7,7	7,2	8,6	800	1250	30	20
	8,5	7,7	9	8,4	9,5	1000	1400	30	25
	10,5	9,5	11	10,2	12	1200	1700	75	30
	12,1	10,8	13,1	12,6	14,5	1400	2000	75	30
	13,4	12,6	15	14,4	16	1500	2300	75	30
16	14,4	17	15,5	18	1700	2600	75	30	

The capacity is obtained at these test conditions:

Cooling: air return temperature is 27°C (DB) /19°C (WB).

Heating: air return temperature is 20°C (DB).

R32: superheat (SH) : 0~3°C;

Recommendation: Quantity of rows of heat exchanger: no more than 4 rows.

Recommendation: The diameter of copper pipe of heat exchanger is no more than 9.52mm, 7mm is recommended.

Air inlet temperature range of heat exchanger: cooling: 16~35°C, heating: 10~27°C.