

# Rooftop Package Unit A/C

**50Hz**



## Features

- ❖ Wide product range, from 89,000Btu/h to 335,000Btu/h.
- ❖ Highly reliable scroll compressor suited to extreme conditions.
- ❖ Outdoor side: Large, powerful propeller fan made of galvanized steel;  
Indoor side: Centrifugal metal-fan with forward-curved blades.
- ❖ Adjustable pulley design (7.5ton to 30ton).
- ❖ Factory-completed unit and pre-drilled duct flange for easy installation.
- ❖ Electric heater and metal (or nylon) filter as options.
- ❖ Compatible with other brand thermostat.
- ❖ Customized anti-corrosion treatment.
- ❖ Wide operating temperature range - Cooling: from 10°C to 46°C;  
Heating: from -9°C to 24°C.



# Specifications

Nominal tons*			7.5	10	15
Model			ACRTB090H1S09	ACRTB120H1S09	ACRTB180H1S09
Power supply			380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz
Cooling	Capacity	Btu/h	89,000	120,000	180,000
		kW	26.0	35.0	53.0
	Power input	kW	7.9	10.7	16.7
	EER	Btu/h.W	11.3	11.2	10.8
Heating	Capacity	Btu/h	103,000	137,000	191,000
		kW	30.0	40.0	56.0
	Power input	kW	8.9	11.9	17.2
	COP	Btu/h.W	11.6	11.5	11.1
Air flow (Indoor side)		CFM	2,830	4,100	7,000
External static pressure (Indoor side)		Pa	Default: 80, 0~250	Default: 90, 0~250	Default: 110, 0~325
Compressor	Type / Quantity		Scroll / 1	Scroll / 2	Scroll / 2
Condenser motor	Type		Axial	Axial	Axial
	Drive type		Direct	Direct	Direct
Evaporator motor	Type		Centrifugal	Centrifugal	Centrifugal
	Drive type		Direct	Belt	Belt
Sound pressure level		dB(A)	72.1	71.5	76.9
Refrigerant	Type		R410A	R410A	R410A
	Charged	kg	4.8	2.9+2.9	6.1 + 3.0
Dimension (W×H×D)		mm	1,475×840×1,130	1,483×1,231×1,138	1,965×1,230×1,130
Packing (W×H×D)		mm	1,495×870×1,150	1,500×1,255×1,155	1,995×1,255×1,160
Net/ Gross weight		kg	325/335	343/354	492/512

Nominal tons*			20	25	30
Model			ACRTB240H1S09	ACRTB300H1S09	ACRTB360H1S09
Power supply			380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz
Cooling	Capacity	Btu/h	240,000	300,000	335,000
		kW	70.0	88.0	98.0
	Power input	kW	22.6	28.9	32.8
	EER	Btu/h.W	10.6	10.4	10.2
Heating	Capacity	Btu/h	260,000	330,000	380,000
		kW	75.0	97.0	111.5
	Power input	kW	23.6	30.3	36.5
	COP	Btu/h.W	11.0	10.9	10.4
Air flow (Indoor side)		CFM	8,800	10,000	11,200
External static pressure (Indoor side)		Pa	Default: 120, 0~375	Default: 130, 0~350	Default: 270, 25~400
Compressor	Type / Quantity		Scroll / 2	Scroll / 2	Scroll / 2
Condenser motor	Type		Axial	Axial	Axial
	Drive type		Direct	Direct	Direct
Evaporator motor	Type		Centrifugal	Centrifugal	Centrifugal
	Drive type		Belt	Belt	Belt
Sound pressure level		dB(A)	75.3	76.8	77.9
Refrigerant	Type		R410A	R410A	R410A
	Charged	kg	6.9 + 6.9	8.7 + 8.7	10.0 + 10.0
Dimension (W×H×D)		mm	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
Packing (W×H×D)		mm	1,695×1,284×2,212	2,330×1,275×2,230	2,330×1,275×2,230
Net/ Gross weight		kg	690/720	940/970	955/985

## Notes:

\*: Nominal ton is only for reference, cooling capacity as per specifications.

1. Cooling test condition: Indoor temperature 26.7°C DB/19.4°C WB, outdoor temperature 35°C.

2. Heating test condition: Indoor temperature 26.7°C DB/19.4°C WB, outdoor temperature 7°C DB/6°C WB.

3. Units are suitable for operation to ±20% of nominal air flow.

4. Sound pressure values are measured in a semi-anechoic room, at a position 1m front of the unit and 'H/2 + 0.5m' above the floor (H for unit's height).