

## Rooftop Packaged Small

A4RT 60/80/100/120/150/200 AR

### Complete set concept

The A4RT is a complete packaged unit. No additional refrigeration work is required minimising installation time. The unit is pre-charged to ensure clean and efficient operation.

### Flexibility

The Acson rooftop is equipped with the flexibility of horizontal side flow and vertical down throw. The changing type of throw can easily be achieved by switching the fan and motor.

### R407C refrigerant

### Compact design



### Cooling

57,000 Btu/h – 190,000 Btu/h  
16.71 kW – 55.68 kW

### Heating

69,000 Btu/h – 230,000 Btu/h  
20.22 kW – 67.41 kW



### Cooling

230,000 Btu/h - 374,000 Btu/h  
67.41 kW - 109.61 kW

### Heating

255,000 Btu/h - 431,000 Btu/h  
74.73 kW - 126.31 kW

## Rooftop Packaged Large

A4RT 250/300/360/420 AR

### Complete set concept

The A4RT is a complete packaged unit. No additional refrigeration work is required minimising installation time. The unit is pre-charged to ensure clean and efficient operation.

### Flexibility

The Acson rooftop is equipped with the flexibility of horizontal side flow and vertical down throw. The changing type of throw can easily be achieved by switching the fan and motor.

### R407C refrigerant

### Compact design



# Rooftop Packaged Small Specifications R407C

MODELS		OUTDOOR UNIT	A4RT60AR	A4RT80AR	A4RT100AR	A4RT120AR	A4RT150AR
Nominal Cooling Capacity	W		16705	21101	25790	29307	43668
	Btu/h		57000	72000	88000	100000	149000
Nominal Heating Capacity	W		20222	22566	29893	35755	46891
	Btu/h		69000	77000	102000	122000	160000
Rated Total Power Consumption (Cooling)	W		6860	8410	10820	12840	16570
Rated Total Power Consumption (Heating)	W		6600	7540	9810	11490	15710
Rated Total Running Current (Cooling)	A		13.9	16	20.6	23.5	32.2
Rated Total Running Current (Heating)	A		13.5	15.4	19.3	22.3	31.2
Power Source	V/Ph/Hz		380 - 415 / 3 / 50				
Refrigerant / Control			R407c TXV				
<b>Evaporator</b>							
Fan	Airflow	cfm/L/s	1800 / 850	2826 / 1334	3532 / 1667	3600 / 1699	5651 / 2667
	Fan Motor		4 Poles 750W	4 Poles 1100W	4 Poles 1500W	4 Poles 2200W	
Dimension	Height	mm/in	1000 / 39.4				1200 / 47.2
	Width	mm/in	1100 / 43.3	1300 / 51.2			1990 / 78.4
	Depth	mm/in	1530 / 60.2				1800 / 70.9
Weight	kg/lb		320 / 705	385 / 849	415 / 915	440 / 970	700 / 1543
Sound Pressure Level	dBa		63	65	66	68	70
Control	Air Discharge Operation		Ducted				
			Wired LCD Remote Control - Sequential				
Condensate Drain Size	mm/in		25.4 / 1				
Air Filter			Washable Saranet				
<b>Condenser</b>							
Comp.	Compressor Type		Scroll				
	Capacitor	uF	N/a				
	Protection Device		O.L.P & Phase Protection & Auto Reset HP/ LP Pressure Switch				
Fan	Fan Type / Drive		Propeller / Direct				
	Blade Material		Galvanised Steel				
	Diameter	mm/in	609.6 / 24.0	660.4 / 26.0		762 / 30.0	2 x 660.4 / 26.0
	Rated Running Current	A	2.52	1.20	1.70	3.16	2.60
	Motor Output	W	400	550	580	1250	2 x 550
	Rated Input Power	W	600		950	1600	1220
Refrigerant Charge	kg / lb		4.3 / 9.5	5.2 / 11.5	6.0 / 13.2		2 x 5.0 / 11.0

# Rooftop Packaged Large Specifications R407C

MODELS		OUTDOOR UNIT	A4RT200AR	A4RT250AR	A4RT300AR	A4RT360AR	A4RT420AR
Nominal Cooling Capacity	W		55684	67406	82939	101110	109609
	Btu/h		190000	230000	283000	345000	374000
Nominal Heating Capacity	W		67406	74733	92317	102290	126314
	Btu/h		230000	255000	315000	349000	431000
Rated Total Power Consumption (Cooling)	W		21160	29200	38160	43170	48200
Rated Total Power Consumption (Heating)	W		20300	26220	34780	41670	46800
Rated Total Running Current (Cooling)	A		39.9	52.1	65.5	74.2	82.9
Rated Total Running Current (Heating)	A		38.4	48.6	61.9	72.0	81.1
Power Source	V/Ph/Hz		380 - 415 / 3 / 50				
Refrigerant / Control			R407c TXV				
<b>Evaporator</b>							
Fan	Airflow	cfm/L/s	6710 / 3167	8000 / 3776	9600 / 4531	11000 / 5191	12500 / 5899
	Fan Motor		4 Poles 3700W	4 Poles 5500W	4 Poles 7500W	4 Poles 5100W	4 Poles 6525W
Dimension	Height	mm/in	1200 / 47.2	1735 / 68.0		1974 / 78.0	
	Width	mm/in	1990 / 78.4	2250 / 88.5			2252 / 89.0
	Depth	mm/in	1800 / 70.9	2800 / 110.0			3180 / 125.0
Weight	kg/lb		800 / 1764	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527
Sound Pressure Level	dBa		70	74		70	
Control	Air Discharge Operation		Ducted				
			Wired LCD Remote Control - Sequential				
Condensate Drain Size	mm/in		25.4 / 1				
Air Filter			Washable Saranet				
<b>Condenser</b>							
Comp.	Compressor Type		Scroll				
	Capacitor	uF	N/a				
	Protection Device		O.L.P & Phase Protection & Auto Reset HP/ LP Pressure Switch				
Fan	Fan Type / Drive		Propeller / Direct				
	Blade Material		Galvanised Steel				
	Diameter	mm/in	2 x 660.4 / 26.0	2 x 812.8 / 30.0			
	Rated Running Current	A	2.70	7.20		8.40	
	Motor Output	W	550	1500		3465	
	Rated Input Power	W	1280	4200		4500	
Refrigerant Charge	kg / lb		2 x 5.8 / 12.8	2 x 9.4 / 20.7	2 x 9.6 / 21.2	2 x 13.5 / 29.8	2 x 20.0 / 44.1

- 1) All specifications are subject to change by the manufacturer without prior notice
- 2) All units are tested and comply with ISO 5151
- 3) Nominal cooling and heating capacities are based on the conditions below:
  - a) Cooling: +26.7°C DB / +19.4°C WB Indoor and +35.0°C Outdoor
  - b) Heating: +21.1°C DB / +15.6°C WB Indoor and +8.3°C DB / +6.1°C WB Outdoor
- 4) Sound pressure levels are according to the JIS B 8615 standard.  
Position of the measurement point is 1.0m in front and 1.0m below the unit.