

# Hitachi Shirokuma

- Motion sensor
- 4 Way Swing
- Constant Power Technology
- Double ventilation blade
- FrostWash Technology
- Low sound level



Cooling performances	Unit	2.5KW	3.5KW	5KW
Cooling Capacity (min-max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Absorbed capacity Cooling (min-max)	kW	<b>0.481 (0.25 - 1.00)</b>	<b>0.814 (0.25 - 1.40)</b>	<b>1.397 (0.50 - 2.10)</b>
EER		5.20	4.30	3.58
Energy class Cooling		A+++	A+++	A++
SEER (medium climate)		8.50	8.70	7.50
Guaranteed performances Cooling	°C	-10°C/+ 43°C	-10°C/+ 43°C	-10°C/+ 43°C
Heating performances	Unit	2.5KW	3.5KW	5KW
Heating Capacity (min-max)	kW	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.2 - 7.00)
Capacity at full charge at -7°C <sup>(1)</sup>	kW	3.20	4.00	5.50
Absorbed Heating Capacity (min-max)	kW	0.593 (0.25 - 1.20)	0.800 (0.25 - 1.60)	1.415 (0.50 - 2.70)
COP		5.40	5.00	4.10
Energy class Heating		A+++	A+++	A++
SCOP (medium climate)		5.20	5.20	4.70
Guaranteed performances Heating	°C	-20°C/+ 21°C	-20°C/+ 21°C	-20°C/+ 21°C
Indoor Units	Unit	RAK-25RXE	RAK-35RXE	RAK-50RXE
Sound pressure Cooling (Very low - Low - Medium - High) <sup>(2)</sup>	dB(A)	20/27/35/43	22/29/37/45	25/31/39/47
Sound pressure Heating (Very low - Low - Medium - High) <sup>(2)</sup>	dB(A)	20/28/36/43	22/30/37/45	25/31/39/48
Sound pressure Cooling	dB(A)	58	60	60
Air flow Cooling (Very low - Low - Medium - High)	m <sup>3</sup> /h	300/330/510/600	320/340/520/660	350/400/580/720
Dehumidification	l/h	1.4	1.6	2
Dimensions (H x W x D)	mm	295 x 900 x 210	295 x 900 x 210	295 x 900 x 210
Weight	kg	11	11	11
Controller		Infrared weekly (included)	Infrared weekly (included)	Infrared weekly (included)
Outdoor units	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Sound Pressure Cooling <sup>(2)</sup>	dB(A)	47	48	51
Sound pressure Cooling	dB(A)	61	62	65
Air flow (Cooling/Heating)	m <sup>3</sup> /h	1860/1620	1920/1620	2160/2160
Dimensions (H x W x D)	mm	600 x 792 x 299	600 x 792 x 299	736 x 800 x 350
Weight	kg	37.5	37.5	51
Compressor		Rotary	Rotary	Rotary 2 cylinders
Refrigeration specifications	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Pipe diameter (Liq/gas)	Inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"
Initial refrigerant charge	kg	0.98	0.98	1.3
Pre-charged for	m	20	20	30
Minimum length	m	3	3	3
Maximum length/Additional refrigerant	m/g/m	20/-	20/-	30
Maximum height difference (highest OU/lowest OU)	m	10	10	10
Refrigerant		R32	R32	R32
Electrical specifications	Unit	RAC-25WXE	RAC-35WXE	RAC-50WXE
Electrical power	V/Ph/Hz	230V/1Ph/50Hz ge	230V/1Ph/50Hz ge	230V/1Ph/50Hz ge
Current during operation (Cooling/Heating)	A	1.09 - 4.35/1.09 - 5.22	1.09 - 6.09/1.09 - 6.96 2.17 - 9.13/2.17 - 11.74	1.30 - 8.70/2.17 - 11.96
Cable diameter (EN 60 335-1)	mm <sup>2</sup>	1.50 x 2+T	1.50 x 2+T	2.50 x 2+T
Indoor/outdoor wiring section (shielded)	mm <sup>2</sup>	1.50 x 3+T	1.50 x 3+T	2.50 x 3+T
	Ref.	XRAK-25RXE	XRAK-35RXE	XRAK-50RXE