

Specifications



Big Ceiling R32 NEW

- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; Blade angle between 4 ° and 45 °.
- Reduced noise thanks to the remotely controlled EEV valve.
- Long-life washable HD 40 permanent filter is included.

Indoor Unit			AC100RNCDKG/EU	AC120RNCDKG/EU	AC140RNCDKG/EU
Outdoor Unit- Mono-Phase			AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit- Tri-Phase			AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	3.0 / 10.0 / 12.0	3.0 / 12.0 / 13.5	3.5 / 13.4 / 15.5
	Heating up to +7°C (Min/Nominal/Max)	kW	3.0 / 12.0 / 13.5	3.0 / 12.0 / 13.5	3.5 / 15.5 / 18.0
	Heating @ -5°C	kW	11,0	12,9	15,2
	Heating @ -15°C	kW	9,7	11,5	13,5
Performance					
Energy Efficiency Cooling	SEER	W/W	6.1 / A++	5.9 / A+	6.1
	Consumption	kWh/a	574	TBD	-
	Pdesignc	kW	10,0	TBD	-
	EER	W/W	3.05	2.76	2.97
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	4,0
	Consumption	kWh/a	1820	TBD	-
	Pdesignh (average)	kW	5.2	6,5	-
	COP	W/W	3.44	3,44	3,41
AirFlow Rate	Indoor Unit (High/Mid/Low)	m ³ /min	26.0 / 23.0 / 19.0	26.0 / 23.0 / 19.0	30.0 / 24.0 / 20.0
Sound Power	Indoor Unit	dB(A)	60	62	64
	Outdoor Unit	dB(A)	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	34 / 38 / 42	37 / 41 / 44	38 / 42 / 48
	Outdoor Unit	dB(A)	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco
	Power	W	244	244	244
	Number	EA	4	4	4
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.60 / 3.28 / 4.70	0.90 / 4.35 / 5.30	0.80 / 4.50 / 6.45
	Heating	kW	0.46 / 3.25 / 5.40	0.70 / 3.83 / 5.60	0.70 / 4.54 / 7.36
Current Input	Cooling (Min/Std/Max)	A	3.0 / 14.6 / 20.4	5.1 / 19.1 / 24.0	3.7 / 19.7 / 28.0
	Heating (Min/Std/Max)	A	2.5 / 14.2 / 23.0	3.9 / 17.0 / 26.0	3.5 / 19.8 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	1.5 / 5.0 / 7.1	1.7 / 6.6 / 10.0	2.1 / 7.0 / 10.5
	Heating- Tri-Phase (Min/Std/Max)	A	1.2 / 5.1 / 8.4	1.5 / 6.2 / 12.0	1.9 / 7.0 / 12.0
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	1650 x 235 x 675	1650 x 235 x 675	1650 x 235 x 675
	Outdoor Unit	mm	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	42,0	42,0	41,5
	Outdoor Unit	kg	75,0	81,0	91,5
Refrigerant					
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)		
	Factory charging	kg	2.7 / 30m	2.7 / 30m	2.9 / 30m
	Charging Ton equivalent CO2	tCO2e	1.82 tCO2e	1.82 tCO2e	1.96 tCO2e
	Additional refrigerant charging	g / m	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	50	50	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)