

Specifications



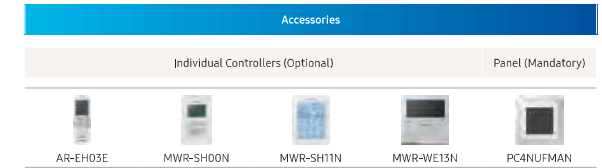
Wind-Free™ 4-Way Cassette (R410A)

Indoor Unit		AC052NNADKH/EU	AC071NN4DKH/EU	AC090NNADKH/EU	AC100NN4DKH/EU
Outdoor Unit- Mono-Phase		AC052MXADKH/EU	AC071MXADKH/EU	AC090MXADKH/EU	AC100MXADKH/EU
Outdoor Unit- Tri-Phase		-	-	-	AC100MXADNH/EU
Capacity					
Cooling (Min/Nominal/Max)	kW	1.00 / 5.00 / 6.00	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	3.00 / 10.00 / 12.00
Heating up to +7°C (Min/Nominal/Max)	kW	1.00 / 6.00 / 7.00	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	2.20 / 11.20 / 15.50
Heating @ -5°C	kW	5.88	7.84	9.8	10.98
Heating @ -15°C	kW	5.22	6.96	8.7	9.74
Performance					
Energy Efficiency Cooling	SEER	W/W 6.9 / A++	6.2 / A++	6.8 / A++	6.8 / A++
	Consumption	kWh/a 254	401	463	515
	Pdesignc	kW 5.0	7.1	9.0	10.0
	EER	W/W 3.47	2.81	3.27	3.21
Energy Efficiency Heating	SCOP	W/W 4.3 / A+	4.1 / A+	4.3 / A+	4.3 / A+
	Consumption	kWh/a 847	1537	2051	2051
	Pdesignh (average)	kW 2.6	4.5	6.3	6.3
	COP	W/W 4.03	3.33	3.7	3.61
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min 15.00	19.5	30.0	31.0
Sound Power	Indoor Unit	dB(A) 49	53	60	61
	Outdoor Unit	dB(A) 62	65	68	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A) 29 / 31 / 33	29 / 33 / 36	33 / 38 / 43	33 / 39 / 44
	Outdoor Unit	dB(A) 48 / 48	49 / 51	52 / 53	52 / 54
Fan/ Outdoor unit	Type	Turbo	Turbo	Turbo	Turbo
	Power	W 65	65	97	97
	Number	EA 1	1	1	1
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C -15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C -20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Ø / # 220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Ø / # 220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Ø / # -	-	-	380-415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW 0.33 / 1.44 / 2.10	0.35 / 2.53 / 3.95	0.60 / 2.75 / 4.46	0.60 / 3.12 / 4.70
	Heating	kW 0.25 / 1.49 / 1.90	0.35 / 2.40 / 3.95	0.46 / 2.70 / 5.20	0.46 / 3.10 / 5.40
Current Input	Cooling (Min/Std/Max)	A 1.5 / 6.5 / 9.5	2.0 / 11.2 / 17.0	3.0 / 12.0 / 19.4	3.0 / 13.6 / 20.4
	Heating (Min/Std/Max)	A 1.5 / 6.8 / 8.6	2.0 / 10.7 / 17.0	2.5 / 11.6 / 22.7	2.5 / 13.6 / 23.0
	Cooling- Tri-Phase (Min/Std/Max)	A -	-	-	1.50 / 4.80 / 7.10
	Heating- Tri-Phase (Min/Std/Max)	A -	-	-	1.20 / 4.80 / 8.40
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm 840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm 880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330
Net Weight	Indoor Unit	kg 15.0	15.0	18.0	18.0
	Outdoor Unit	kg 43.8	53.0	72.0	72.0
Refrigerant					
Refrigerant	Type	R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg 1.30 / 5m	1.50 / 5m	3 / 30m	3 / 30m
	Charging Ton equivalent CO2	tCO2e 2.72	3.14	6.26	6.26
	Additional refrigerant charging	g / m 10	20	50	50
Piping Connections	Liquid Pipe	Ø.inch 1 / 4	1 / 4	3 / 8	3 / 8
	Gas Pipe	Ø.inch 1 / 2	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m 30	50	50	50
Piping Height	Max	m 20	30	30	30
Piping Connections	Drain pipe	Ø.mm VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others					
Panel	Model code	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Dimensions (W x H x D)	mm 950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg 6.3	6.3	6.3	6.3
Accessoires	Drain pump	inclus	inclus	inclus	inclus
	Max lifting height/ displacement	mm / l/h 750/24	750/24	750/24	750/24

- 2-StepCooling – FastCooling & Wind-Free™ Cooling
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; Blade width 84mm.
- Built-in humidity sensor.

- High ceiling mode for heights up to 4.6m (12-14 kW), 3.9m (9-10 kW), 3.5m(5.2-7kW).
- Built-in condensation drain pump (750 mmH2O).
- SPI Ionizer device (optional).

AC120NN4DKH/EU	AC140NN4DKH/EU
AC120MXADKH/EU	AC140MXADKH/EU
AC120MXADNH/EU	AC140MXADNH/EU
3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50
3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00
12.74	15.19
11.31	13.49
5.7 / A+	5.8 / A+
737	-
12.0	-
2.55	3.01
4.1 / A+	4.0 / A+
2527	-
74	-
3.42	3.41
32.0	32.0
61	61
70	69
35 / 40 / 45	37 / 41 / 45
54 / 56	53 / 54
Turbo	Turbo
97	97
1	1
-15 ~ 50	-15 ~ 50
-20 ~ 24	-20 ~ 24
220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2
220-240/ 50/ 1/ 2	220-240/ 50/ 1/ 2
380-415/ 50/ 3/ 4	380-415/ 50/ 3/ 4
Twin BLDC	Twin BLDC
0.90 / 4.70 / 5.30	0.80 / 4.45 / 6.44
0.75 / 3.80 / 5.50	0.70 / 4.54 / 7.36
4.3 / 21.1 / 23.0	3.7 / 20.0 / 28.0
3.7 / 17.1 / 24.0	3.5 / 19.5 / 32.0
2.10 / 7.30 / 12.00	2.10 / 7.00 / 12.00
2.10 / 5.90 / 12.00	1.90 / 7.00 / 12.00
840 x 288 x 840	840 x 288 x 840
940 x 998 x 330	940 x 1210 x 330
18.0	20.0
77.0	87.0
R410A(Contains fluorinated greenhouse gases. GWP=2.088)	
3 / 30m	3.4 / 30m
6.26 tCO2e	7.1 tCO2e
50	50
3 / 8	3 / 8
5 / 8	5 / 8
50	75
30	30
VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
PC4NUFMAN	PC4NUFMAN
950 x 48 x 950	950 x 48 x 950
6.3	6.3
inclus	inclus
750/24	750/24



AR-EH03E

MWR-SH00N

MWR-SH11N

MWR-WE13N

PC4NUFMAN