

Specifications

4-Way Cassette



- Four-way air supply with adjustable distribution flaps
- Fan with inverter motor; predisposition of the air-inlet to let external air in
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol; predisposition for secondary pipes
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor - outdoor unit
- Possibility to connect two, three or four indoor units (twin-triple-quadri)

Model	Indoor Unit Outdoor Unit		AC052MN4DKH/EU AC052MXADKH/EU	AC071MN4DKH/EU AC071MXADKH/EU	AC090MN4DKH/EU AC090MXADKH/EU
EAN	Indoor Unit		8806088576503	8806088576572	8806088576848
	Outdoor Unit		8806088576794	8806088576619	8806088576855
Cooling	Std Capacity (Min~Max)	kW	5.00 (1.00~6.00)	7.10 (2.20~8.00)	9.00 (3.00~11.30)
	Std Absorption (Min~Max)	kW	1.44 (0.33~2.10)	2.53 (0.35~3.95)	2.75 (0.60~4.46)
	SEER: Seasonal Energy Efficiency Ratio	-	6,9	6,2	6,8
	Seasonal Energy Efficiency Class	-	A++	A++	A++
	Design Heat Load (Pdesignc)	kW	5,0	7,1	9,0
	Indicative Annual Energy Consumption (Q ^{ac})	kWh/a	254	401	463
Heating	Std Capacity (Min~Max)	kW	6.00 (1.00~7.00)	8.00 (1.90~9.00)	10.00 (2.20~13.90)
	Std Absorption (Min~Max)	kW	1.49 (0.25~1.90)	2.40 (0.35~3.95)	2.70 (0.46~5.20)
	SCOP: Seasonal Coefficient of Performance	-	4,3	4,1	4,3
	Seasonal Energy Efficiency Class	-	A+	A+	A+
	Design Heat Load (Pdesignh)	kW	2,6	4,5	6,3
	Electric back-up heater capacity elbu (Tj)	kW	-	-	-
	Declared capacity	kW	2,6	4,5	6,3
Indoor Unit	Indicative annual energy consumption (Q ^{he})	kWh/a	847	1537	2051
	Dimensions (WxHxD)	mm	840x204x840	840x204x840	840x288x840
	Panel Dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Weight	Kg	15	15	18
	Panel Weight	Kg	5,9	5,9	5,9
	Treated Air (Max)	m ³ /min	15,0	19,5	30,0
	Static Pressure Min~Std~Max	mmH2O	-	-	-
Outdoor Unit	Sound Power Level	dB(A)	49	53	60
	Dimensions (WxHxD)	mm	880x638x310	880x798x310	940x998x330
	Weight	Kg	43,8	53	72
	Sound Power Level	dB(A)	62	65	68
	Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
	Operating Range (Cooling)	°C	-15~50	-15~50	-15~50
	Operating Range (Heating)	°C	-20~24	-20~24	-20~24
Installation Data	Liquid/Gas Piping	Ømm (inch)	6.35 (1/4") 12.70 (1/2")	6.35 (1/4") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")
	Piping Length Max	m	30	50	50
	Maximum Elevation Gap (Indoor/Outdoor Unit)	m	20	30	30
	Maximum Piping Length without Adding Refrigerant	m	5	5	30
	Additional Refrigerant Charging	g/m	10	20	50
Refrigerant	Refrigerant Type	-	R-410A	R-410A	R-410A
	GWP: Global warming potential of the used refrigerant	-	2088	2088	2088
	Factory Charging	Kg	1,3	1,5	3,0
	Ton equivalent Co ₂	tCo ₂ Eq	2,71	3,13	6,26

Accessories						
Individual Controllers (Optional)				Panel (Optional)		
						
MR-EH00	MWR-SH00N	MWR-SH10N	MWR-WE10/WE11N	PC4NBSKAN	PC4NUSKAN	PC4NUSKEN

AC100MN4DKH/EU AC100MXADKH/EU	AC100MN4DKH/EU AC100MXADNH/EU	AC120MN4DKH/EU AC120MXADKH/EU	AC120MN4DKH/EU AC120MXADNH/EU	AC140MN4DKH/EU AC140MXADKH/EU	AC140MN4DKH/EU AC140MXADNH/EU
8806088576862	8806088576862	8806088576893	8806088576893	8806088576930	8806088576930
8806088576671	8806088576886	8806088576695	8806088576923	8806088576718	8806088576961
10.00 (3.00~12.00)	10.00 (3.00~12.00)	12.00 (3.50~13.50)	12.00 (3.50~13.50)	13.40 (3.50~15.50)	13.40 (3.50~15.50)
3.12 (0.60~4.70)	3.12 (0.60~4.70)	4.70 (0.90~5.30)	4.70 (0.90~7.90)	4.45 (0.80~6.44)	4.45 (0.80~7.90)
6,8	6,8	5,7	5,7	3.0 (EER)	3.0 (EER)
A++	A++	A+	A+	-	-
10,0	10,0	12,0	12,0	-	-
515	515	737	737	-	-
11.20 (2.20~15.50)	11.20 (2.20~15.50)	13.00 (3.50~15.50)	13.00 (3.50~15.50)	15.50 (3.50~18.00)	15.50 (3.50~18.00)
3.10 (0.46~5.40)	3.10 (0.46~5.40)	3.80 (0.75~5.50)	3.80 (0.75~7.90)	4.54 (0.70~7.36)	4.54 (0.70~7.90)
4,3	4,3	4,1	4,1	3.4 (COP)	3.4 (COP)
A+	A	A+	A+	-	-
6,3	6,3	7,4	7,4	-	-
-	-	-	-	-	-
6,3	6,3	7,4	7,4	-	-
2051	2051	2527	2527	-	-
840x288x840	840x288x840	840x288x840	840x288x840	840x288x840	840x288x840
950x45x950	950x45x950	950x45x950	950x45x950	950x45x950	950x45x950
18	18	18	18	20	20
5,9	5,9	5,9	5,9	5,9	5,9
31,0	31,0	32,0	32,0	32,0	32,0
-	-	-	-	-	-
61	61	61	61	61	61
940x998x330	940x998x330	940x998x330	940x998x330	940x1210x330	940x1210x330
72	72	77	77	87	87
69	69	70	70	69	69
1, 220-240, 50	3, 380-415, 50	1, 220-240, 50	3, 380-415, 50	1, 220-240, 50	3, 380-415, 50
-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")	9.52 (3/8") 15.88 (5/8")
50	50	50	50	75	75
30	30	30	30	30	30
30	30	30	30	30	30
50	50	50	50	50	50
R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
2088	2088	2088	2088	2088	2088
3,0	3,0	3,0	3,0	3,4	3,4
6,26	6,26	6,26	6,26	7,10	7,10

Specifications

High-Efficiency 4-Way Cassette



- Four-way air supply with adjustable distribution flaps
- Fan with inverter motor; predisposition of the air-inlet to let external air in
- Built-in condensation drain pump (750 mmH2O); antibacterial filter included
- Communication with the "Nasa" protocol; predisposition for secondary pipes
- Virus Doctor device (optional); WI-FI kit (optional)
- Power supply: single-phase 220 V - 50 Hz or three-phase 400 V - 50 Hz
- Inverter Twin Rotary compressor - outdoor unit
- Possibility to connect two, three or four indoor units (twin-triple-quadri)

Model Name	Indoor Unit			AC071JN4CEH/EU		AC100JN4CEH/EU	
	Outdoor Unit			AC071JXSCEH/EU		AC100JXSCEH/EU	
Power Supply				Ø, #, V, Hz			
System	Capacity	Cooling(Min/Std/Max)		kW		1,2,220-240,50	
		Heating(Min/Std/Max)				1.70 / 7.10 / 8.50	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW		3.00 / 8.00 / 11.00	
			Heating(Min/Std/Max)			0.71 / 1.80 / 2.20	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A		0.68 / 1.99 / 5.08	
			Heating(Min/Std/Max)			0.74 / 2.74 / 3.54	
		MCA	Cooling(Min/Std/Max)			3.60 / 8.10 / 10.00	
			Heating(Min/Std/Max)			3.40 / 9.00 / 22.00	
	Energy Efficiency	EER (Nominal Cooling)		A		25.00 (MCA)	
		COP (Nominal Heating)		A		30	
		Energy Grade		SEER		3,94	
				SCOP		3,65	
						4,02	
						SEER 6.7 (A++)	
	Piping Connections	Liquid Pipe		Ø, mm		SEER 7.0 (A++)	
				Ø, inch		SCOP 4.0 (A+)	
		Gas Pipe		Ø, mm		9,52	
				Ø, inch		3/8"	
		Installation Limitation	Max. Length	m		15,88	
			Max. Height	m		5/8"	
Indoor Unit	Field Wiring	Transmission Cable		Ø, mm		75	
				Ø, mm		30	
	Refrigerant	Type		-		0.75 ~ 1.25	
		Factory Charging		kg / tCO2e		R410A	
	Fan	Type		-		2.90 / 6.06	
		Motor		W		Turbo	
		Airflow Rate	High/Mid/Low	m³/min		97 x 1	
				l/s		19.50 / 17.50 / 15.50	
	Drain	Drain Pipe		Ø,mm		30.00 / 24.00 / 18.90	
						325.00 / 291.67 / 258.33	
	Sound	Pressure		High/Mid/Low		VP25 (OD 32JD 25)	
		Power		Cooling		36.0 / 33.0 / 30.0	
	External Dimension	Net Weight		kg		53	
		Net Dimensions (WxHxD)		mm		18	
Outdoor Unit	Panel	Panel model		-		840 x 288 x 840	
						840 x 288 x 840	
	Compressor	Type		-		PC4NUSKAN	
		Model		-		Twin BLDC Rotary	
		Output		kW		UG5T450FUEJX	
		Oil		Type		UG5T450FXAJX	
	Fan	Airflow Rate		Cooling		4,12	
				l/s		4,01	
		Pressure		Cooling/Heating		PVE	
		Power		Cooling		112	
	External Dimension	Net Weight		kg		1.866,67	
		Net Dimensions (WxHxD)		mm		49 / 49	
	Operating Temp. Range	Cooling		°C		50 / 50	
		Heating		°C		65	

Accessories						
Individual Controllers (Optional)				Panel (Optional)		
						
MR-EH00	MWR-SH00N	MWR-SH10N	MWR-WE10/WE11N	PC4NBSKAN	PC4NUSKAN	PC4NUSKEN

AC100JN4CEH/EU	AC125JN4CEH/EU
AC100JXSCGH/EU	AC125JXSCGH/EU
1,2,220-240,50	1,2,220-240,50
2.20 / 10.00 / 12.00	2.20 / 12.50 / 14.00
3.30 / 11.20 / 17.00	3.30 / 14.00 / 19.00
0.74 / 2.74 / 3.54	0.74 / 3.89 / 4.25
0.68 / 2.79 / 6.90	0.68 / 3.77 / 7.20
1.40 / 4.40 / 5.50	1.40 / 6.00 / 6.60
1.30 / 4.50 / 11.00	1.30 / 6.00 / 11.00
13.00 (MCA)	13.00 (MCA)
15	15
3,65	3,21
4,01	3,71
SEER 7.0 (A++)	-
SCOP 4.1 (A+)	-
9,52	9,52
3/8"	3/8"
15,88	15,88
5/8"	5/8"
75	75
30	30
0.75 ~ 1.25	0.75 ~ 1.25
R410A	R410A
2.90 / 6.06	2.90 / 6.06
Turbo	Turbo
97 x1	97 x1
30.00 / 24.00 / 18.90	30.00 / 24.00 / 18.90
500.00 / 400.00 / 315.00	500.00 / 400.00 / 315.00
VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
43.0 / 38.0 / 33.0	44.0 / 39.0 / 34.0
59	60
20	20
840 x 288 x 840	840 x 288 x 840
PC4NUSKAN	PC4NUSKAN
Twin BLDC Rotary	Twin BLDC Rotary
UG5T450FXAJX	UG5T450FXAJX
4,01	4,01
PVE	PVE
112	112
1.866,67	1.866,67
50 / 50	52 / 52
66	69
96	96
940 x 1,420 x 330	940 x 1,420 x 330
-20.0 ~ 50.0	-20.0 ~ 50.0
-25.0 ~ 24.0	-25.0 ~ 24.0

Residential

Multi Split

Commercial

VRF

Chiller

Ventilation

Air to Water Heating

Controls & Accessories

Dimensional Drawings

High-Efficiency 4-Way Cassette

AC***JN4CEH/EU

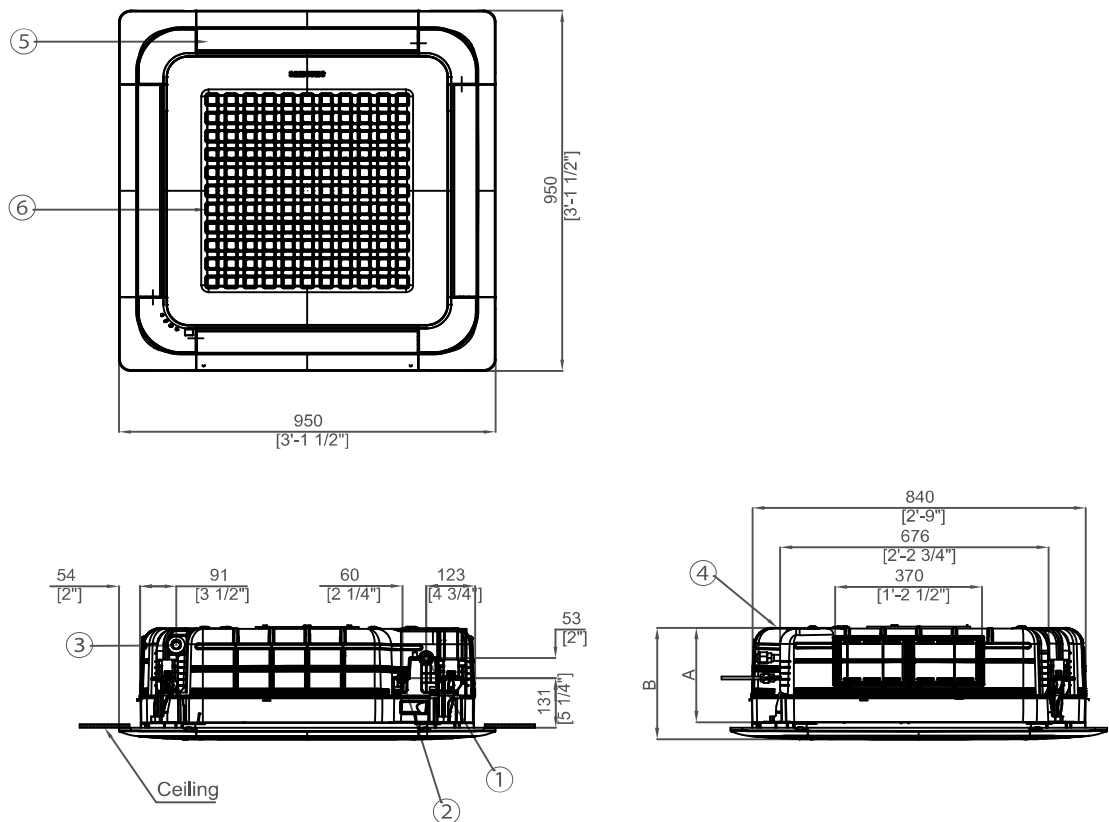


Table of descriptions	
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air outlet louver
6	Air inlet grille

Description	
	7.1kW, 10kW, 12.5kW
A (mm)	288
B (mm)	337