



Nomenclature

			RAS-4FS(V)NME	RAS-5FS(V)NME	RAS-6FS(V)NME
Power Supply	1-phase		1N-230V 50Hz	1-230V 50Hz	1-230V 50Hz
	3-phase		3N-400V 50 Hz	3N-400V 50 Hz	3N-400V 50 Hz
Nominal Capacity	Cooling	KW	12.10	14.00	16.00
	Heating	KW	12.50	16.00	18.00
Nominal Power input	Cooling	1-phase	KW 2.97	3.26	4.35
		3-phase	KW 2.97	3.26	4.35
	Heating	1-phase	KW 2.89	3.57	4.30
		3-phase	KW 2.89	3.57	4.30
EER	1-phase		4.07	4.29	3.68
	3-phase		4.07	4.29	3.68
COP	1-phase		4.33	4.48	4.19
	3-phase		4.33	4.48	4.19
SEER	1-phase		6.67	6.64	6.40
	3-phase		6.61	6.61	6.37
SCOP	1-phase		4.15	4.40	4.25
	3-phase		4.15	4.40	4.25
Number of Indoor units connectable			13	18	18
Capacity connection ratio		%	50-130	50-130	50-130
Cabinet	Dimensions	H×W×D mm	1,380×950×370	1,380×950×370	1,380×950×370
	N/W	1 phase kg	114.0	114.0	118.0
		3 phase kg	115.0	115.0	119.0
Packaging	Dimensions	H×W×D mm	1,515×1,012×460	1,515×1,012×460	1,515×1,012×460
	Measurement	m ³	0.7	0.7	0.7
	Number of fan		2	2	2
Fan	Air flow rate	Cooling	m ³ /h 8,700	8,700	8,700
		Heating	m ³ /h 8,700	8,700	8,700
	External static pressure	Pa	30	30	30
Compressor	Type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
	Refrigerant	Type	R410A	R410A	R410A
		Charge kg	3.70	3.70	4.10
Sound pressure level	Cooling	dB(A)	52	52	53
Sound power level	Cooling	dB(A)	69	70	77
Piping connections	Liquid-gas LP-gas LP/HP	inches	3/8-5/8	3/8-5/8	3/8-5/8
	Total	m	180	180	180
Maximum piping length	Between ODU and the farthest IDU	m	85	85	85
	Between 1st branch Multi Kit and the farthest IDU	m	40	40	40
	Between Multi Kit and each IDU	m	15	15	15
	Between ODU above IDU	m	30	30	30
Maximum level difference	Between ODU and IDU	m	-	-	-
	Between IDUs	m	15	15	15

NOTES:

- Performances are based on the following conditions:
Cooling Temperature: Indoor 27.0°C DB/19.0°C WB / Outdoor 35.0°C DB/24.0°C WB
Heating Temperature: Indoor 20.0°C DB/15.0°C WB / Outdoor 7.0°C DB/9.0°C WB
Eurovent test condition: Type of indoor unit connected is only Cassette.
Refer to EUROVENT certification regulation for more detail test conditions
Refer to EUROVENT website for test values connected Ceiling concealed duct type indoors
- The sound pressure level is based on following conditions: 1.0 meter from the unit service cover surface, and 1.5 meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1-2 dB (A). The above data was measured in an anechoic chamber. Therefore, reflected sound should be taken into consideration in the field.
- If the specified main refrigerant piping on the table is not available on site, use the following pipe diameter with an appropriate reducer on site. If Ø25.4 pipe is not available, please use Ø28.58 pipe. If Ø31.75 pipe is not available, please use Ø34.92 pipe. If Ø38.1 pipe is not available, please use Ø41.28 pipe.



Nomenclature

			RAS-8FSXNME	RAS-10FSXNME	RAS-12FSXNME
Power Supply	1-phase		-	-	-
	3-phase		3N-400V 50 Hz	3N-400V 50 Hz	3N-400V 50 Hz
Nominal Capacity	Cooling	KW	22.40	28.00	33.50
	Heating	KW	25.00	31.50	37.50
Nominal Power input	Cooling	3-phase KW	6.22	7.27	9.38
	Heating	3-phase KW	5.32	6.89	9.15
EER	3-phase		3.60	3.85	3.58
COP	3-phase		4.70	4.57	4.10
SEER	3-phase		7.59	8.31	8.28
SCOP	3-phase		5.62	4.72	4.66
Number of Indoor units connectable			26	32	39
Capacity connection ratio		%	50-130	50-130	50-130
Cabinet	Dimensions	H×W×D mm	1,650×1,100×390	1,650×1,100×390	1,650×1,100×390
	N/W	3 phase kg	188.0	196.0	196.0
Packaging	Dimensions	H×W×D mm	1,787×1,151×500	1,787×1,151×500	1,787×1,151×500
	Measurement	m ³	1.0	1.0	1.0
Fan	Air flow rate	Cooling	m ³ /h 9,900	11,100	11,100
		Heating	m ³ /h 9,900	11,100	11,100
	External static pressure	Pa	30	30	30
Compressor	Type		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
	Refrigerant	Type	R410A	R410A	R410A
		Charge kg	4.20	6.00	6.00
Sound pressure level	Cooling	dB(A)	55	59	60
Sound power level	Cooling	dB(A)	76	77	77
Piping connections	Liquid-gas LP-gas LP/HP	inches	3/8-3/4-5/8	3/8-7/8-3/4	1/2-1-7/8
	Total	m	500	500	500
Maximum piping length	Between ODU and the farthest IDU	m	125	125	125
	Between 1st branch Multi Kit and the farthest IDU	m	90	90	90
	Between Multi Kit and each IDU	m	40	40	40
	Between ODU above IDU	m	50	50	50
Maximum level difference	Between ODU and IDU	m	40	40	40
	Between IDUs	m	15	15	15

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