

ROOFTOP PACKAGE UNIT

RFA-C RFA-H 2~115

ROOFTOP PACKAGE UNIT
Outdoor and Roof Top installation
Capacity from 8.7 to 404 KW

Characteristics

Low noise
Anti-corrosive panel
Compact design

Available configurations

RFA 2 C S A 1
(1) (2) (3) (4)

(1) Version 1:

C Cooling only type
H Heat pump type

(2) Version 2:

S Standard
R Heat recovery type
F Free-Cooling type
T Specially made

(3) Refrigerants:

A R22
B R407C
C R134a
D R410A
E Other refrigerants

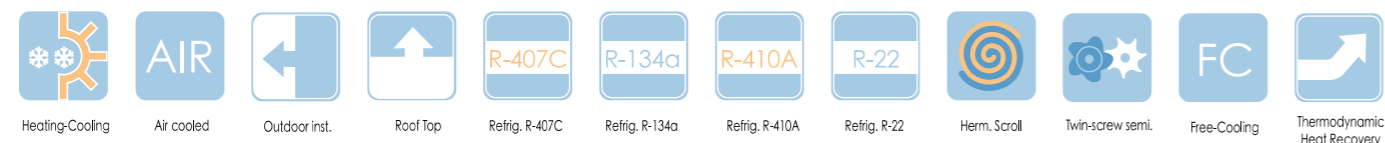
(4) Power Supply:

1 220/1/50
2 380/3/50
3 230/1/60
4 460/3/60
5 220/3/60
6 Other power supply

Applications



Functions and features



Optional

Electric heater
Hot water coil
Heat recovery
Free-Cooling
Variable air flow supply
Humidifier
Dehumidifier
CO₂ detection
T3 Working condition
Copper fins
G3 G4 F5 filter

Technical data

Model	RFA-H	Size	2	3	4	5	6	7	8	10	15	17	20	25
General	Cooling capacity	KW	8.7	10.5	12.9	15.3	18.7	20.7	29.05	35	52.5	59.5	70	87.5
	Compressor power input	KW	2.5	2.7	3.3	4.1	4.7	5.4	7.5	9	13.5	15	18.75	22.5
	Heating capacity	KW	9.5	11	13.5	16	19.5	21.5	30	36	53	61	72	88
	Compressor power input	KW	2.45	2.6	3.2	4	4.6	5.3	7.3	8.7	13	14	18	22
	Power regulation stage	%	100	100	100	100	100	100	100	100			50-100	
Compressor	Nr.		1	1	1	1	1	1	1	1	2	2	2	2
	Type		Scroll											
	Oil		P.O.E.											
Fan of evaporator	Oil volume	L	1.2	1.5	2	2	3	3	4	4	6	8	8	11
	Type		Centrifugal											
	Nr.		1	1	1	1	1	1	1	1	2	2	2	2
Evaporator	Power input	KW	0.37	0.37	0.45	0.55	0.75	1	1.2	1.5	2.4	2.4	3	4
	Air flow	m ³ /h	1500	2150	2600	3000	3700	4400	5200	6300	8930	10600	12650	16000
	Air pressure	Pa	60	60	80	80	110	110	120	120	140	140	140	160
Fan of condenser	Type		Fin coil											
	Material		Al/Cu											
	Type		Axial											
Condenser	Nr.		1	1	1	1	1	1	1	1	2	2	2	2
	Power input	KW	0.18	0.22	0.37	0.37	0.55	0.55	0.75	1.1	1.5	1.5	2.2	2.6
	Air flow	m ³ /h	3500	5500	7500	7500	8800	10000	12600	15200	21500	25500	30500	38500
Refrigerant	Type		Fin coil											
	Material		Al/Cu											
	Nr. of circuits		1	1	1	1	1	1	1	1	2	2	2	2
Power supply	Type		R407C											
	Weight	kg	3.3	3.3	3.6	3.7	4.9	5.2	7.2	8	12	15	18	22
	Power supply		380V/3P/50Hz											
Noise	Noise	dB(A)	62	63	63	65	67	69	69	69	70	70	70	71
	Weight	kg	160	175	215	230	265	278	550	600	780	945	998	1150

Note:

Cooling rated condition: indoor temperature 27°C (DB)/19.5°C (WB).

Heating rated condition: outdoor temperature 7°C (DB)/6°C (WB), indoor temperature 20°C (DB)

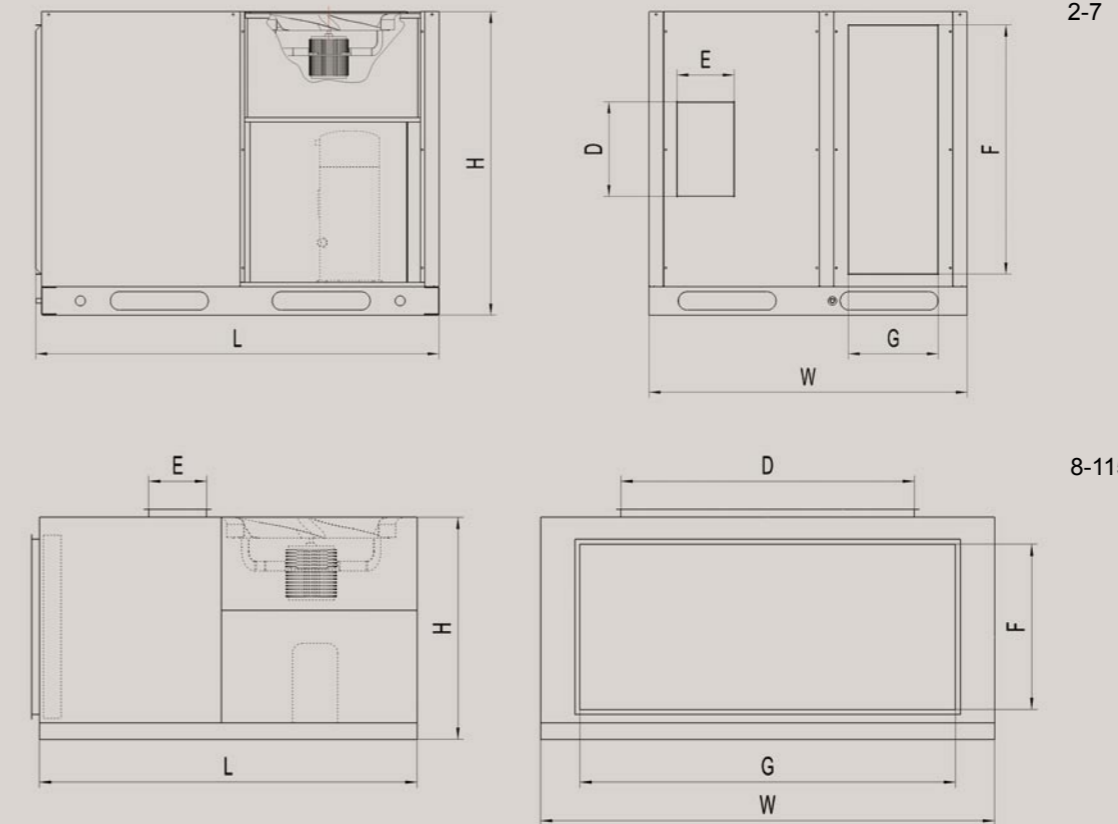
Ambient temperature 35°C.

Noise measured at 1m in open field.

Model	RFA	Size	30	33	36	40	50	60	65	70	80	85	115	
General	Cooling capacity	KW	105	115.5	126	140	175.8	210.96	228.54	246.12	281.28	298.86	404.34	
	Compressor power input	KW	28.5	30	33.75	37.5	45	57	60	67.5	75	81	112.5	
	Heating capacity	KW	106	118	130	142	180	213	230	251	285	302	410	
	Compressor power input	KW	28	29.6	33.5	37	44.5	56	59	67	74.3	80	110	
Power regulation stage	%	25-50-75-100				16.6+16.6 Increase				25-50-75-100				12.5+12.5 Increase
Compressor	Nr.		4	4	4	4	6	6	4	4	4	4	2	
	Type		Scroll						Screw					
	Oil		P.O.E.											
Fan of evaporator	Oil volume	L	12	16	16	16	24	24	32	32	32	32	30	
	Type		Centrifugal											
	Nr.		2	2	2	2	2	2	2	2	2	2	2	
Evaporator	Power input	KW	4.4	6	7	7.4	10	11	15	15	18	18	22	
	Air flow	m ³ /h	19360	21600	23450	27000	32860	39432	42718	46004	52576	55862	75578	
	Air pressure	Pa	160	200	200	200	200	240	240	240	240	240	240	
Fan of condenser	Type		Fin coil						Axial					
	Material		Al/Cu											
	Nr.		2	4	4	4	4	4	6	6	6	6	8	
Condenser	Power input	KW	2.6	3	3	3	4.4	5.2	7.8	7.8	7.8	7.8	10.4	
	Air flow	m ³ /h	46500	51900	56400	64900	72500	94000	101100	110100	125300	133350	179000	
	Type		Fin coil											
Refrigerant	Material		Al/Cu											
	Nr. of circuits		2	2	2	2	2	2	2	2	2	2	2	
	Type		R407C											
Weight	kg	25	28	30	35	44	52	56	60	70	72	98		
Power supply		380V/3P/50Hz												
Noise	dB(A)		71	72	72	73	73	74	74	74	75	75	80	
Weight	kg		1230	1680	1760	1800	1900	3000	3500	3700	3900	4100	5000	

Note:
Cooling rated condition: indoor temperature 27°C (DB)/19.5°C (WB).
Heating rated condition: outdoor temperature 7°C (DB)/6°C (WB), indoor temperature 20°C (DB)
Ambient temperature 35°C.
Noise measured at 1m in open field.

Dimensions



Size	2	3	4	5	6	7	8	10	15	17	20	25	30
L	1160	1160	1160	1160	1400	1400	1930	1930	1930	1930	1930	1930	1930
W	975	975	975	975	1120	1120	1160	1160	2320	2320	2320	2320	2320
H	750	750	1120	1120	1120	1120	1135	1135	1135	1135	1135	2260	2260
D	240	240	265	290	310	380	650	650	1400	1500	1500	1500	1500
E	150	150	150	150	200	200	290	290	290	290	290	400	400
F	600	600	900	900	900	900	845	845	845	845	845	1970	1970
G	200	200	250	250	300	300	1010	1010	1920	1920	1920	1920	1920

Size	33	36	40	50	60	65	70	80	85	115
L	1930	2385	2385	3980	3980	3980	5800	5800	5800	7800
W	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320
H	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
D	1500	1500	1500	1800	1800	1800	1800	2000	2000	2000
E	400	500	500	500	600	650	700	700	750	850
F	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
G	1920	1920	1920	1920	1920	1920	1920	1920	1920	1920