

Model			RAS-8FSXNSE	RAS-10FSXNSE	RAS-12FSXNSE	RAS-14FSXNSE	RAS-16FSXNSE
Power supply			3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
Nominal Cooling capacity		kW	22.40	28.00	33.50	40.00	45.00
Nominal Heating capacity		kW	25.00	31.50	37.50	45.00	50.00
Power consumption	Cooling		5.40	7.27	8.89	12.12	13.85
Power consumption	Heating		5.26	6.89	9.15	12.03	14.84
EER			4.15	3.85	3.77	3.30	3.25
COP			4.75	4.57	4.10	3.74	3.37
SEER			7.50	7.17	6.97	7.47	7.30
SCOP			4.17	4.11	4.29	4.48	4.42
Operating range	Cooling	C°	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48
	Heating	C°	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
Air flow rate		m3/min	165	170	190	239	256
External static pressure		Pa	80	80	80	80	80
			1	1	1	2	2
Sound power level		dB(A)	80	82	82	85	85
Sound pressure level		dB(A)	58	60	59	63	63
Dimensions (H*W*D)		mm	1725x959x784	1725x959x784	1725x959x784	1725x1219x784	1725x1219x784
Weight		kg	210	210	233	289	332
Compressors			1	1	1	1	2
Connectable indoor units			26	32	39	45	52
Refrigerant			R410A	R410A	R410A	R410A	R410A
Refrigerant charge		kg	5	5	7.2	8.9	9.9
Refrigerant pipe size **	Liquid	mm (Inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	Gas Low	mm (Inch)	19.05 (3/4)	22.2 (7/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)
	Gas High	mm (Inch)	15.88 (5/8)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
Maximum operating current		A	15.5	21.5	24	29.5	33

RAS-18FSXNSE	RAS-20FSXNSE	RAS-22FSXNSE	RAS-24FSXNSE	RAS 26FSXNSE	RAS 28FSXNSE	RAS 30FSXNSE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
50.00	56.00	61.50	67.00	73.00	77.50	85.00
56.00	63.00	69.00	77.50	82.50	90.00	95.00
14.93	18.60	20.43	22.41	23.40	22.46	24.22
17.02	18.81	21.63	22.79	21.15	24.66	26.61
3.35	3.01	3.01	2.99	3.12	3.45	3.51
3.29	3.35	3.19	3.40	3.90	3.65	3.57
6.96	6.29	6.76	6.20	7.30	7.10	7.11
4.18	4.14	4.43	4.43	4.39	4.35	4.22
-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
256	329	329	348	429	446	446
80	80	80	80	80	80	80
2	2	2	2	3	3	3
86	86	84	86	87	87	87
65	65	64	66	64.5	64.5	66
1725x1219x784	1725x1609x784	1725x1609x784	1725x1609x784	1725x2198x784	1725x2198x784	1725x2198x784
333	382	396	397	528	565	466
2	2	2	2	2	3	3
58	64	64	64	64	64	64
R410A	R410A	R410A	R410A	R410A	R410A	R410A
10.7	11.3	11.3	11.6	16,1	17,1	17,9
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)
22.2 (7/8)	22.2 (7/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)
37.5	44.5	45	53	53	56.5	61

RAS 32FSXNSE	RAS 34FSXNSE	RAS 36FSXNSE	RAS 38FSXNSE	RAS 40FSXNSE	RAS 42FSXNSE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
90.00	95.00	100.00	106.00	112.00	118.00
100.00	106.00	112.00	118.00	125.00	132.00
29.61	28.79	29.85	36.68	35.56	37.70
28.74	31.83	34.04	33.52	38.70	39.40
3.04	3.30	3.35	2.89	3.15	3.13
3.48	3.33	3.29	3.52	3.23	3.35
7.36	7.18	7.20	6.63	6.93	6.57
4.30	4.28	4.18	4.45	4.30	4.31
-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
495	512	512	587	585	604
80	80	80	80	80	80
4	4	4	4	4	4
89	89	89	89	88	89
67	67	68	68	67.5	68.5
1725x2458x784	1725x2458x784	1725x2458x784	1725x2848x784	1725x2848x784	1725x2848x784
622	665	666	587	729	730
3	4	4	4	4	4
64	64	64	64	64	64
R410A	R410A	R410A	R410A	R410A	R410A
19,6	20,6	21,4	20,5	22	22,3
19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
31.75 (1' 1/4)	31.75 (1' 1/4)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)
28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)
66.5	70.5	75	82.5	82	90.5

RAS 44FSXNSE	RAS 46FSXNSE	RAS 48FSXNSE	RAS 50FSXNSE	RAS 52FSXNSE	RAS 54FSXNSE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
122.00	128.00	136.00	140.00	145.00	150.00
140.00	145.00	150.00	155.00	160.00	165.00
40.53	42.67	45.48	44.44	43.67	44.78
43.89	43.94	44.12	45.45	48.34	50.15
3.01	3.00	2.99	3.15	3.32	3.35
3.19	3.30	3.40	3.41	3.31	3.29
6.75	6.45	6.19	7.30	7.18	7.20
4.43	4.43	4.43	4.26	4.25	4.18
-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48	-10 ~ + 48
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
658	677	696	756	768	768
80	80	80	80	80	80
4	4	4	6	6	6
87	88	89	90	90	91
67	68	69	69	69	70
1725x3238x784	1725x3238x784	1725x3238x784	1725x3697x784	1725x3697x784	1725x3697x784
792	793	794	955	998	999
4	4	4	5	6	6
64	64	64	64	64	64
R410A	R410A	R410A	R410A	R410A	R410A
22,6	22,9	23,2	30,3	31,3	32,1
19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)
31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)
89.5	98	106	104	108	112

RAS-5FSXNPE	RAS-6FSXNPE	RAS-8FSXNPE	RAS-10FSXNPE	RAS-12FSXNPE	RAS-14FSXNPE	RAS-16FSXNPE	RAS-18FSXNPE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
14.00	16.00	22.40	28.00	33.50	40.00	45.00	50.00
25.00	25.00	25.00	31.50	37.50	45.00	50.00	56.00
2.90	3.37	5.05	6.18	8.44	11.53	11.51	12.79
4.37	4.88	5.08	6.65	8.01	10.84	12.92	14.97
4.82	4.75	4.44	4.53	3.97	3.47	3.91	3.91
5.72	5.12	4.92	4.74	4.68	4.15	3.87	3.74
8.33	8.00	7.97	8.06	7.91	7.69	7.76	7.60
5.06	4.58	4.55	4.73	4.81	4.63	4.84	4.81
- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
150	170	185	219	219	243	326	326
80	80	80	80	80	80	80	80
1	1	1	2	2	2	2	2
75	78	77	82	83	85	85	86
54	56	55	59	60	62	65	65
1725x959x784	1725x959x784	1725x959x784	1725x959x784	1725x959x784	1725x1219x784	1725x1219x784	1725x1219x784
210	210	274	278	282	292	369	384
1	1	1	1	1	1	2	2
16	19	26	32	39	45	52	58
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
4,7	5,0	8,5	8,5	9,3	9,3	10,0	10,6
9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
15.5	15.5	15.5	21.5	24	29.5	33	37.5

RAS-20FSXNPE	RAS-22FSXNPE	RAS-24FSXNPE	RAS-26FSXNPE	RAS-28FSXNPE	RAS-30FSXNPE	RAS-32FSXNPE	RAS-34FSXNPE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
56.00	61.50	67.00	73.00	77.50	85.00	90.00	95.00
63.00	69.00	77.50	82.50	90.00	95.00	100.00	106.00
12.36	14.61	16.88	17.68	19.67	21.63	24.32	24.30
13.29	14.65	16.56	19.78	21.53	23.34	25.58	27.89
4.53	4.21	3.97	4.13	3.94	3.93	3.70	3.91
4.74	4.71	4.68	4.17	4.18	4.07	3.91	3.80
8.06	7.97	7.91	7.92	7.71	7.43	7.62	7.83
4.74	4.71	3.68	4.17	4.18	4.07	3.80	3.74
- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
438	438	438	545	545	581	605	688
80	80	80	80	80	80	80	80
4	4	4	4	4	4	4	4
85	86	86	87	87	88	89	89
62	62.5	63	66	66	66	67	68
1725x2458x784	1725x2458x784	1725x2458x784	1725x2458x784	1725x2848x784	1725x2848x784	1725x2848x784	1725x3238x784
556	560	564	647	651	666	676	753
2	2	2	3	4	4	4	4
64	64	64	64	64	64	64	64
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
17,0	17,8	18,6	18,5	19,3	19,9	19,9	20,6
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)
22.2 (7/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)	28.58 (1' 1/8)
38	42	46	51.5	55.5	57	62	67

RAS-36FSXNPE	RAS-38FSXNPE	RAS-40FSXNPE	RAS-42FSXNPE	RAS-44FSXNPE	RAS-46FSXNPE	RAS-48FSXNPE	RAS-50FSXNPE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
100.00	106.00	112.00	118.00	122.00	128.00	136.00	140.00
112.00	118.00	125.00	132.00	140.00	145.00	150.00	155.00
25.58	28.12	31.11	34.01	32.36	35.26	34.69	37.14
29.95	26.40	29.14	31.81	34.23	36.43	38.07	40.26
3.91	3.77	3.60	3.47	3.77	3.63	3.92	3.77
3.74	4.47	4.29	4.15	4.09	3.98	3.94	3.85
7.60	7.67	7.67	7.67	7.64	7.64	7.61	7.61
4.64	4.74	4.68	4.63	4.68	4.63	4.68	4.64
- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52	- 10 ~ + 52
-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15	-20 ~ + 15
724	681	705	729	824	848	943	967
80	80	80	80	80	80	80	80
4	6	6	6	6	6	6	6
89	89	89	90	90	90	90	90
68	65.5	66	67	67.5	68	68.5	69
1725x3238x784	1725x3697x784	1725x3697x784	1725x3697x784	1725x4087x784	1725x4087x784	1725x4477x784	1725x4477x784
768	856	866	876	958	968	1050	1060
4	3	3	3	4	4	5	5
64	64	64	64	64	64	64	64
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
21,2	27,9	27,9	27,9	29,2	30,5	30,5	30,5
19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)	38.1 (1' 1/2)
28.58 (1' 1/8)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)	31.75 (1' 1/4)
68.5	73.5	78.5	83	85	89.5	91	96

RAS-52FSXNPE	RAS-54FSXNPE
3-ph, 400 V, 50Hz	3-ph, 400 V, 50Hz
145.00	150.00
160.00	165.00
37.08	38.36
42.33	44.12
3.91	3.91
3.78	3.74
7.75	7.60
4.70	4.60
- 10 ~ + 52	- 10 ~ + 52
-20 ~ + 15	-20 ~ + 15
1050	1086
80	80
6	6
90	91
70	70
1725x4867x784	1725x4867x784
1137	1152
6	6
64	64
R410A	R410A
31,2	31,8
19.05 (3/4)	19.05 (3/4)
38.1 (1' 1/2)	38.1 (1' 1/2)
31.75 (1' 1/4)	31.75 (1' 1/4)
101	103