

Combination Type MODEL NAME Equivalent HP			Economy Combination	Economy Combination	Economy Combination
			RAS-200HNCELWE 20HP	RAS-220HNCELWE 22HP	RAS-240HNCELWE 24HP
			RAS-100HNCELW RAS-100HNCELW	RAS-140HNCELW RAS-080HNCELW	RAS-140HNCELW RAS-100HNCELW
Combined Outdoor Units			- -	- -	- -
Power Source Specifications			3~/N,[380-415V/50Hz] [380V/60Hz]	3~/N,[380-415V/50Hz] [380V/60Hz]	3~/N,[380-415V/50Hz] [380V/60Hz]
Nominal Capacity	Cooling	KW	56.0	62.4	68.0
Nominal Capacity	Heating	KW	63.0	70.0	76.5
External Dimensions W x D x H		mm	2200x420x1650	2340x420x1650	2340x420x1650
Weight		KG.	394	404	416
Exterior Color (Munsell System)			Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)
SPL Anechoic (GB Standard)	Cooling-Heating	db(A)	62-63	61-62	63-64
Power Consumption	Cooling	KW	13.16	15.37	16.98
Power Consumption	Heating	KW	14.20	15.31	17.33
EER	Cooling		4.26	4.06	4.00
COP	Heating		4.44	4.57	4.41
Low Pressure Gas Pipe Sizing		mm	Φ28.58	Φ28.58	Φ28.58
Liquid Pipe Sizing		mm	Φ15.88	Φ15.88	Φ15.88
Operation Temperature Range	Cooling	DB	-5~48(52)	-5~48(52)	-5~48(52)
Operation Temperature Range	Heating	WB	(-20)-15~16	(-20)-15~16	(-20)-15~16
Refrigerant Type			R410A	R410A	R410A
Initial Charge Amount		KG.	15.4	14.3	16.0
Maximum Additional Charge Amount		KG.	31.0	31.0	31.0
IDU Connected Capacity Ratio (%)			50~130%	50~130%	50~130%
No. of Connectable IDUs (recommended)			33 (18)	36 (20)	40 (26)
Connectable Minimum IDU Capacity			0.8HP	0.8HP	0.8HP
External Static Pressure Setting			2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination
RAS-260HNCELWE	RAS-280HNCELWE	RAS-300HNCELWE	RAS-320HNCELWE	RAS-340HNCELWE	RAS-360HNCELWE
26HP	28HP	30HP	32HP	34HP	36HP
RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-100HNCELW	RAS-100HNCELW	RAS-120HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-180HNCELW
-	-	-	-	-	-
-	-	-	-	-	-
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
73.0	78.0	83.5	90.0	95.0	100.0
81.5	85.5	91.5	99.0	104.0	108.0
2340x420x1650	2340x420x1650	2340x420x1650	2480x420x1650	2480x420x1650	2480x420x1650
422	422	428	444	450	450
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
64-65	64-65	64-66	64-66	65-67	65-67
18.46	20.72	21.98	24.54	26.02	28.28
18.45	20.96	21.88	24.09	25.21	27.72
3.95	3.76	3.80	3.67	3.65	3.54
4.42	4.08	4.18	4.11	4.13	3.90
Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ38.1
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
17.3	17.3	17.3	17.9	19.2	19.2
31.0	31.0	31.0	34.0	34.0	34.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
43 (26)	47 (32)	50 (32)	53 (32)	56 (32)	59 (32)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination
RAS-380HNCELWE	RAS-400HNCELWE	RAS-420HNCELWE	RAS-440HNCELWE	RAS-460HNCELWE	RAS-480HNCELWE
38HP	40HP	42HP	44HP	46HP	48HP
RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-100HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-100HNCELW	RAS-080HNCELW	RAS-100HNCELW	RAS-100HNCELW	RAS-100HNCELW	RAS-120HNCELW
-	-	-	-	-	-
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
106.0	112.4	118.0	123.0	128.0	133.5
117.0	124.0	130.5	135.5	139.5	145.5
3490x420x1650	3630x420x1650	3630x420x1650	3630x420x1650	3630x420x1650	3630x420x1650
619	629	641	647	647	653
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
65-67	65-66	65-67	66-68	66-68	66-68
27.30	29.51	31.12	32.60	34.86	36.12
28.06	29.17	31.19	32.31	34.82	35.74
3.88	3.81	3.79	3.77	3.67	3.70
4.17	4.25	4.18	4.19	4.01	4.07
Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
25.0	23.9	25.6	26.9	26.9	26.9
48.0	48.0	48.0	48.0	48.0	48.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination
RAS-500HNCELWE	RAS-520HNCELWE	RAS-540HNCELWE	RAS-560HNCELWE	RAS-080HNCELWE	RAS-600HNCELWE
50HP	52HP	54HP	56HP	58HP	60HP
RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-140HNCELW	RAS-160HNCELW	RAS-180HNCELW	RAS-100HNCELW	RAS-140HNCELW	RAS-140HNCELW
-	-	-	RAS-100HNCELW	RAS-080HNCELW	RAS-100HNCELW
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
140.0	145.0	150.0	156.0	162.4	168.0
153.0	158.0	162.0	171.0	178.0	184.5
3770x420x1650	3770x420x1650	3770x420x1650	4780x420x1650	4920x420x1650	4920x420x1650
669	675	675	844	854	866
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
66-68	67-69	67-69	67-68	67-68	67-69
38.68	40.16	42.42	41.44	43.65	45.26
37.95	39.07	41.58	41.92	43.03	45.05
3.62	3.61	3.54	3.76	3.72	3.71
4.03	4.04	3.90	4.08	4.14	4.10
Φ38.1	Φ38.1	Φ38.1	Φ44.45	Φ44.45	Φ44.45
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
27.5	28.8	28.8	34.6	33.5	35.2
51.0	51.0	51.0	63.0	63.0	63.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination	Economy Combination
RAS-620HNCELWE	RAS-640HNCELWE	RAS-660HNCELWE	RAS-680HNCELWE	RAS-700HNCELWE	RAS-720HNCELWE
62HP	64HP	66HP	68HP	70HP	72HP
RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-100HNCELW	RAS-100HNCELW	RAS-120HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-180HNCELW
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
173.0	178.0	183.5	190.0	195.0	200.0
189.5	193.5	199.5	207.0	212.0	216.0
4920x420x1650	4920x420x1650	4920x420x1650	5060x420x1650	5060x420x1650	5060x420x1650
872	872	878	894	900	900
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
67-69	67-69	68-70	68-69	68-70	68-70
46.74	49.00	50.26	52.82	54.30	56.56
46.17	48.68	49.60	51.81	52.93	55.44
3.70	3.63	3.65	3.60	3.59	3.54
4.10	3.97	4.02	4.00	4.01	3.90
Φ44.45	Φ44.45	Φ44.45	Φ44.45	Φ44.45	Φ44.45
Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
36.5	36.5	36.5	37.1	38.4	38.4
63.0	63.0	63.0	68.0	68.0	68.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Combination Type MODEL NAME Equivalent HP			Standard Combination	Standard Combination	Standard Combination
			RAS-200HNCELWS 20HP	RAS-220HNCELWS 22HP	RAS-240HNCELWS 24HP
			RAS-100HNCELW RAS-100HNCELW	RAS-120HNCELW RAS-100HNCELW	RAS-120HNCELW RAS-120HNCELW
Combined Outdoor Units			- -	- -	- -
Power Source Specifications			3~/N,[380-415V/50Hz] [380V/60Hz]	3~/N,[380-415V/50Hz] [380V/60Hz]	3~/N,[380-415V/50Hz] [380V/60Hz]
Nominal Capacity	Cooling	KW	56.0	61.5	67.0
Nominal Capacity	Heating	KW	63.0	69.0	75.0
External Dimensions W x D x H		mm	2200x420x1650	2200x420x1650	2200x420x1650
Weight		KG.	394	400	406
Exterior Color (Munsell System)			Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)
SPL Anechoic (GB Standard)	Cooling-Heating	db(A)	62-63	63-64	63-65
Power Consumption	Cooling	KW	13.16	14.42	15.68
Power Consumption	Heating	KW	14.20	15.12	16.04
EER	Cooling		4.26	4.26	4.27
COP	Heating		4.44	4.56	4.68
Low Pressure Gas Pipe Sizing		mm	Φ28.58	Φ28.58	Φ28.58
Liquid Pipe Sizing		mm	Φ15.88	Φ15.88	Φ15.88
Operation Temperature Range	Cooling	DB	-5~48(52)	-5~48(52)	-5~48(52)
Operation Temperature Range	Heating	WB	(-20)-15~16	(-20)-15~16	(-20)-15~16
Refrigerant Type			R410A	R410A	R410A
Initial Charge Amount		KG.	15.4	15.4	15.4
Maximum Additional Charge Amount		KG.	31.0	31.0	31.0
IDU Connected Capacity Ratio (%)			50~130%	50~130%	50~130%
No. of Connectable IDUs (recommended)			33 (18)	36 (20)	40 (26)
Connectable Minimum IDU Capacity			0.8HP	0.8HP	0.8HP
External Static Pressure Setting			2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination
RAS-260HNCELWS	RAS-280HNCELWS	RAS-300HNCELWS	RAS-320HNCELWS	RAS-340HNCELWS	RAS-360HNCELWS
26HP	28HP	30HP	32HP	34HP	36HP
RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-140HNCELW	RAS-140HNCELW
RAS-120HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-100HNCELW	RAS-120HNCELW
-	-	-	-	RAS-100HNCELW	RAS-100HNCELW
-	-	-	-	-	-
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
73.5	80.0	85.0	90.0	96.0	101.5
82.5	90.0	95.0	100.0	108.0	114.0
2340x420x1650	2480x420x1650	2480x420x1650	2480x420x1650	3490x420x1650	3490x420x1650
422	438	444	450	613	619
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
63-65	63-64	64-66	65-67	64-65	64-66
18.24	20.80	22.28	23.76	23.56	24.82
18.25	20.46	21.58	22.70	24.43	25.35
4.03	3.85	3.82	3.79	4.07	4.09
4.52	4.40	4.40	4.41	4.42	4.50
Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ38.1
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
16.0	16.6	17.9	19.2	23.7	23.7
31.0	34.0	34.0	34.0	48.0	48.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
43 (26)	47 (32)	50 (32)	53 (32)	56 (32)	59 (32)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination
RAS-380HNCELWS	RAS-400HNCELWS	RAS-420HNCELWS	RAS-440HNCELWS	RAS-460HNCELWS	RAS-480HNCELWS
38HP	40HP	42HP	44HP	46HP	48HP
RAS-140HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW
RAS-120HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW
RAS-120HNCELW	RAS-120HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW
-	-	-	-	-	-
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
107.0	113.5	120.0	125.0	130.0	135.0
120.0	127.5	135.0	140.0	145.0	150.0
3490x420x1650	3630x420x1650	3770x420x1650	3770x420x1650	3770x420x1650	3770x420x1650
625	641	657	663	669	675
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
65-66	65-66	65-66	66-67	66-68	67-69
26.08	28.64	31.20	32.68	34.16	35.64
26.27	28.48	30.69	31.81	32.93	34.05
4.10	3.96	3.85	3.82	3.81	3.79
4.57	4.48	4.40	4.40	4.40	4.41
Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
23.7	24.3	24.9	26.2	27.5	28.8
48.0	48.0	51.0	51.0	51.0	51.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination
RAS-500HNCELWS	RAS-520HNCELWS	RAS-540HNCELWS	RAS-560HNCELWS	RAS-080HNCELWS	RAS-600HNCELWS
50HP	52HP	54HP	56HP	58HP	60HP
RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW
RAS-140HNCELW	RAS-140HNCELW	RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW
RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-140HNCELW	RAS-140HNCELW
RAS-100HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-140HNCELW
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
141.5	147.0	152.0	157.0	163.5	170.0
159.0	165.0	170.0	175.0	182.5	190.0
4780x420x1650	4780x420x1650	4780x420x1650	4780x420x1650	4920x420x1650	5060x420x1650
838	844	850	856	872	888
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
66-67	66-68	67-68	67-69	67-69	67-69
35.22	36.48	37.96	39.44	42.00	44.56
35.58	36.50	37.62	38.74	40.95	43.16
4.02	4.03	4.00	3.98	3.89	3.82
4.47	4.52	4.52	4.52	4.46	4.40
Φ38.1	Φ38.1	Φ38.1	Φ44.45	Φ44.45	Φ44.45
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
32.0	32.0	33.3	34.6	35.2	35.8
63.0	63.0	63.0	63.0	63.0	68.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination	Standard Combination
RAS-620HNCELWS	RAS-640HNCELWS	RAS-660HNCELWS	RAS-680HNCELWS	RAS-700HNCELWS	RAS-720HNCELWS
62HP	64HP	66HP	68HP	70HP	72HP
RAS-160HNCELW	RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-180HNCELW	RAS-180HNCELW
RAS-140HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-160HNCELW	RAS-180HNCELW
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
175.0	180.0	185.0	190.0	195.0	200.0
195.0	200.0	204.0	208.0	212.0	216.0
5060x420x1650	5060x420x1650	5060x420x1650	5060x420x1650	5060x420x1650	5060x420x1650
894	900	900	900	900	900
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
68-69	68-70	68-70	68-70	68-70	68-70
46.04	47.52	49.78	52.04	54.30	56.56
44.28	45.40	47.91	50.42	52.93	55.44
3.80	3.79	3.72	3.65	3.59	3.54
4.40	4.41	4.26	4.13	4.01	3.90
Φ44.45	Φ44.45	Φ44.45	Φ44.45	Φ44.45	Φ44.45
Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
37.1	38.4	38.4	38.4	38.4	38.4
68.0	68.0	68.0	68.0	68.0	68.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

Combination Type MODEL NAME Equivalent HP			Premium Combination	Premium Combination	Premium Combination	Premium Combination
			RAS-160HNCELWP	RAS-180HNCELWP	RAS-200HNCELWP	RAS-220HNCELWP
			16HP	18HP	20HP	22HP
			RAS-080HNCELW	RAS-100HNCELW	RAS-120HNCELW	RAS-120HNCELW
			RAS-080HNCELW	RAS-080HNCELW	RAS-080HNCELW	RAS-100HNCELW
Combined Outdoor Units			-	-	-	-
			-	-	-	-
Power Source Specifications			3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
			[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
Nominal Capacity	Cooling	KW	44.8	50.4	55.9	61.5
Nominal Capacity	Heating	KW	50.0	56.5	62.5	69.0
External Dimensions W x D x H		mm	2200x420x1650	2200x420x1650	2200x420x1650	2200x420x1650
Weight		KG.	370	382	388	400
Exterior Color (Munsell System)			Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)	Natural Gray (1.0Y 8.5/0.5)
SPL Anechoic (GB Standard)	Cooling-Heating	db(A)	62-64	62-64	61-63	63-64
Power Consumption	Cooling	KW	9.94	11.55	12.81	14.42
Power Consumption	Heating	KW	10.16	12.18	13.10	15.12
EER	Cooling		4.51	4.36	4.36	4.26
COP	Heating		4.92	4.64	4.77	4.56
Low Pressure Gas Pipe Sizing		mm	Φ28.58	Φ28.58	Φ28.58	Φ28.58
Liquid Pipe Sizing		mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Operation Temperature Range	Cooling	DB	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
Operation Temperature Range	Heating	WB	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
Refrigerant Type			R410A	R410A	R410A	R410A
Initial Charge Amount		KG.	12.0	13.7	13.7	15.4
Maximum Additional Charge Amount		KG.	31.0	31.0	31.0	31.0
IDU Connected Capacity Ratio (%)			50~130%	50~130%	50~130%	50~130%
No. of Connectable IDUs (recommended)			26 (16)	26 (16)	33 (18)	36 (20)
Connectable Minimum IDU Capacity			0.8HP	0.8HP	0.8HP	0.8HP
External Static Pressure Setting			2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)

[illegible]

Premium Combination	Premium Combination	Premium Combination	Premium Combination	Premium Combination	Premium Combination
RAS-380HNCELWP	RAS-400HNCELWP	RAS-420HNCELWP	RAS-440HNCELWP	RAS-460HNCELWP	RAS-480HNCELWP
38HP	40HP	42HP	44HP	46HP	48HP
RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW
RAS-100HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW
RAS-080HNCELW	RAS-080HNCELW	RAS-100HNCELW	RAS-120HNCELW	RAS-120HNCELW	RAS-120HNCELW
RAS-080HNCELW	RAS-080HNCELW	RAS-080HNCELW	RAS-080HNCELW	RAS-100HNCELW	RAS-120HNCELW
3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]	3~/N,[380-415V/50Hz]
[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]	[380V/60Hz]
106.3	111.8	117.4	122.9	128.5	134.0
119.0	125.0	131.5	137.5	144.0	150.0
4500x420x1650	4500x420x1650	4500x420x1650	4500x420x1650	4500x420x1650	4500x420x1650
770	776	788	794	806	812
Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray	Natural Gray
(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)	(1.0Y 8.5/0.5)
63-65	64-66	64-66	65-67	65-67	65-67
24.36	25.62	27.23	28.49	30.10	31.36
25.28	26.20	28.22	29.14	31.16	32.08
4.36	4.36	4.31	4.31	4.27	4.27
4.71	4.77	4.66	4.72	4.62	4.68
Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)	-5~48(52)
(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16	(-20)-15~16
R410A	R410A	R410A	R410A	R410A	R410A
27.4	27.4	29.1	29.1	30.8	30.8
62.0	62.0	62.0	62.0	62.0	62.0
50~130%	50~130%	50~130%	50~130%	50~130%	50~130%
64 (38)	64 (38)	64 (38)	64 (38)	64 (38)	64 (38)
0.8HP	0.8HP	0.8HP	0.8HP	0.8HP	0.8HP
2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)	2 step (30Pa/60Pa)