2.3. INVERTER SERIES

2.3.1. INVERTER (RAS-25YHA2/35YHA3/50YHA2/60YHA2/70YHA2/80YHA2)

Model		RAS-25YHA2	RAS-35YHA3	RAS-50YHA2	RAS-60YHA2	RAS-70YHA2	RAS-80YHA2
Power Supply		From Outdoor Unit					
Nominal Cooling Capacity	kW	2.5 (0.9~3.1)	3.5 (1.1~4.2)	5.0 (0.9~5.8)	6.00 (0.9~6.8)	7.00 (1.5~8.3)	8.0 (1.5~8.5)
Cooling Power Input	W	700 (155~1,290)	960 (300~1,400)	1,480 (155~2,000)	1,840 (155~2,200)	2,050 (200~2,820)	2,650 (200~2,950)
Nominal Heating Capacity	kW	3.4 (0.9~4.4)	4.5 (1.1~5.6)	6.1 (0.9~6.8)	7.0 (0.9~7.5)	8.3 (1.5~9.7)	9.3 (1.5~9.7)
Heating Power Input	W	880 (115~1,250)	1100 (300~2,000)	1,660 (155~2,200)	2,050 (115~2,450)	2,400 (200~2,970)	3,000 (200~3,250)
Dehumidifying Capacity	L/h	1.4	1.6	2.8	2.8	4.8	5.2
Indoor Fan Air Flow Rate (Hi/Me/Lo)	M^3/min	8.8/7.4/6.2/5.5	(C) 10.0 (H) 10.8	14.5/11.0/7.5/6.0	15.8/11.5/8.5/6.0	17.5/15.5/12.0/10.8	19.0/16.5/13.5/12.0
Fan Motor	W	25	25	25	30	30	30
Drain Pump Pressure Lift	cm	-	-	-	-	-	-
Sound Pressure Level (Overall Scale) (Hi/Me/Lo/Sleep)	dB (A)	(C) 38-32-26-22 (H) 39-33-27-23	(C) 43-35-29-26 (H) 43-35-30-26	(C) 47-39-28-24 (H) 47-39-31-27	(C) 49-41-32-29 (H) 49-39-32-29	(C) 47-42-33-30 (H) 46-42-33-30	(C) 48-43-40-36 (H) 47-44-41-38
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Pipe Sizes	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 15.88	6.35 / 15.88
Pipe Sizes	(in)	1/4 , 3/8	1/4 , 3/8	1/4 , 1/2	1/4 , 1/2	1/4 , 5/8	1/4 , 5/8
Electrical Data							
Power Cable	No.	From Outdoor unit					
Cable Size	Ø mm	-	-	-	-	-	-
Interconnection Wires	No.	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth	4 pcs + Earth	4 pcs + Earth	4 pcs + Earth
Wire Size	mm^2	2.0	2.0	2.0	2.0	2.0	2.0
Dimension							
Width	mm	780	780	1030	1030	1150	1150
Height	mm	280	280	295	295	333	333
Depth	mm	220	220	207	207	245	245
Net Weight	kg	9.5	9.5	11	12	15	15
Colour (Munsell Code)		Pearl White(N9.25)					
Condensate Drain	mm	Ø16 OD	Ø16 OD	Ø16 OD	Ø16 OD	Ø16 OD	Ø16 OD
Features							
Auto Restart	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Changeover	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes
Air Purifying Filter Type		SPX-CFH11	SPX-CFH11	SPX-CFH18	SPX-CFH18	SPX-CFH19	SPX-CFH19

NOTE:

1. *The nominal cooling and heating capacity is the combined capacity of the HITACHI standard split system, and are based on the MEPS.*

Operation Conditions		*Cooling*	*Heating*
Indoor Air Inlet Temperature	*dB*	*27.0 °C*	*20.0 °C*
	WB	*19.0 °C*	*15.0 °C*
Outdoor Air Inlet Temperature	*dB*	*35.0 °C*	*7.0 °C*
	WB	*24.0 °C*	*6.0 °C*
***Piping Length**: 7.5 meters; **Piping Lift**: 0 meter* ***dB**: Dry Bulb; **WB**: Wet Bulb*			

2. *The Sound Pressure Level is based on the following conditions:*

- *Half height of the unit*
- *1 meter from Discharge grille*

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration when installing the unit.

2.3.2. INVERTER (RAC-25YHA2/35YHA3/50YHA2/60YHA2/70YHA2/80YHA2)

Model		RAC-25YHA2	RAC-35YHA3	RAC-50YHA2	RAC-60YHA2	RAC-70YHA2	RAC-80YHA2
Power Supply		AC 1Ø, 240V, 50Hz					
Nominal Cooling Capacity	kW	2.5 (0.9~3.1)	3.5 (1.1~4.2)	5.0 (0.9~5.8)	6.00 (0.9~6.8)	7.00 (1.5~8.3)	8.0 (1.5~8.5)
Cooling Power Input	W	700 (155~1,290)	960 (300~1,400)	1,480 (155~2,000)	1,840 (155~2,200)	2,210 (200~2,820)	2,650 (200~2,950)
Nominal Heating Capacity	kW	3.4 (0.9~4.4)	4.5 (1.1~5.6)	6.1 (0.9~6.8)	7.3 (0.9~7.8)	8.3 (1.5~9.7)	9.3 (1.5~9.7)
Heating Power Input	W	880 (115~1,250)	1100 (300~2,000)	1,660 (155~2,200)	2,200 (115~2,600)	2,500 (200~2,970)	3,000 (200~3,250)
Sound Pressure Level	dB	(C) 46	(C) 46	(C) 50	(C) 50	(C) 51	(C) 55
(Overall A Scale)		(H) 49	(H) 49	(H) 52	(H) 51	(H) 52	(H) 55
Starting Current	A	10	10	10	10	9.30	14
Recommended Fuse Size	A	15	15	25	25	25	30
Power Cable	No.	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth
Cable Size	Ø mm	1.25	1.25	1.25	1.25	1.25	1.25
Interconnection Wires	No.	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth	4 pcs + Earth	4 pcs + Earth	4 pcs + Earth
Wire Size	mm^2	2.0	2.0	2.0	2.0	2.0	2.0
Dimensions							
Width	mm	700	750	850	850	850	850
Height	mm	505	548	650	800	800	800
Depth	mm	258	288	298	298	298	298
Net Weight	kg	27	36	45	52	55	52
Cabinet		Synthetic Resin Paint Baked on Galvanised Steel Plate					
Color (Munsell Code)		Beige (2.5Y 8/2)					
System							
Refrigerant Flow Control		Micro-Computer Control Expansion Valve					
Compressor		Rotary	Rotary	2-Cylinder Rotary	2-Cylinder Rotary	2-Cylinder Rotary	2-Cylinder Rotary
Compressor Oil Type		RB68A	RB68A	HAF68D1U	HAF68D1U	HAF68D1U	HAF68D1U
Compressor Coil Resistance	Ω	1.15 at 20°C	0.305 at 25°C	1.05 at 20°C	1.05 at 20°C	1.05 at 20°C	20°C U-V=0.648 V-W=0.637 W-U=0.627
		1.40 at 75°C	0.73 at 75°C	1.28 at 75°C	1.28 at 75°C	1.28 at 75°C	75°C U-V=0.788 V-W=0.775 W-U=0.762
Condenser Fan		Propeller Fan					
Quantity		1	1	1	1	1	1
Air Flow Rate (C/H)	m^3/min	32/27	32/27	36/36	47/47	47/47	47/47
Refrigerant Piping		Flare-Nut and/or Flange Connection (Factory supplied)					
Liquid Line	mm(in.)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)
Gas Line	mm(in.)	Ø9.52(3/8)	Ø9.52(3/8)	Ø12.70(1/2)	Ø12.70(1/2)	Ø15.88(5/8)	Ø15.88(5/8)
Piping Length Max/Height	m	20/10	20/10	20/10	30/20	30/20	30/20
Charge less Pipe Length	m	20	20	20	20	20	20
Additional Charge	g/m	-	-	-	10	15	15
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge	gram	820	870	1400	1400	1850	1850

NOTE:

1. *The nominal cooling and heating capacity is the combined capacity of the HITACHI standard split system, and are based on the MEPS.*

Operation Conditions		*Cooling*	*Heating*
Indoor Air Inlet Temperature	*dB*	*27.0 °C*	*20.0 °C*
	WB	*19.0 °C*	*15.0 °C*
Outdoor Air Inlet Temperature	*dB*	*35.0 °C*	*7.0 °C*
	WB	*24.0 °C*	*6.0 °C*
***Piping Length**: 7.5 meters; **Piping Lift**: 0 meter* ***dB**: Dry Bulb; **WB**: Wet Bulb*			

2. *The Sound Pressure Level is based on the following conditions:*

- *Half height of the unit*
- *1 meter from Discharge grille*

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration when installing the unit.

4.3 CORRECTION FACTOR ACCORDING TO PIPING LENGTH

Correction Factor for **Cooling Capacity** according to Piping Length

The cooling capacity should be corrected according to the following formula:

CCA = CC x F

CCA: Actual Corrected Cooling Capacity (kcal/h)

CC: Cooling Capacity in the Performance Table (kcal/h)

F: Correction Factor Based on the Equivalent Piping Length

Correction Factor for **Heating Capacity** according to Piping Length

The heating capacity should be corrected according to the following formula:

HCA= HC x F

HCA: Actual Corrected Heating Capacity (kcal/h)

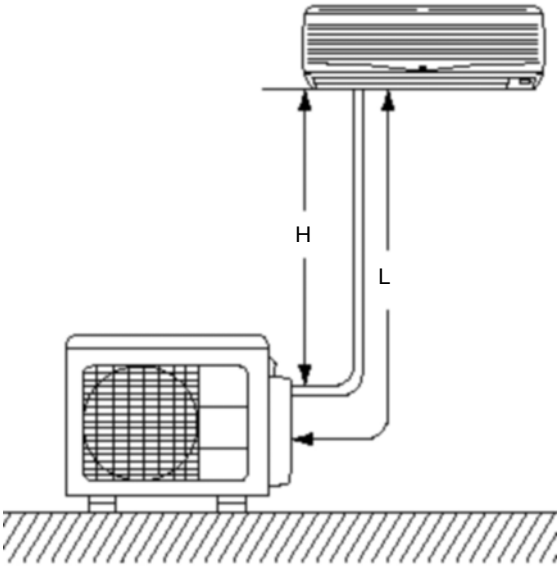
HC: Heating Capacity in the Performance Table (kcal/h)

F: Correction Factor Based on the Equivalent Piping Length

The correction factors are shown in the following figure.

Equivalent Piping Length for:

- One 90° Elbow is 0.5m.
- One 180° Curve is 1.5m.
- One Multi-Kit is 0.5m.



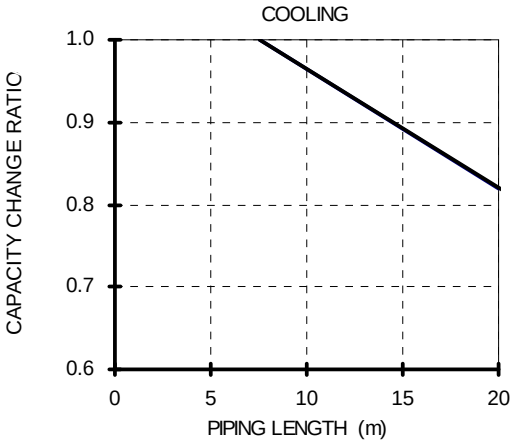
H: Vertical Distance Between Indoor Unit and Outdoor Units in Meters

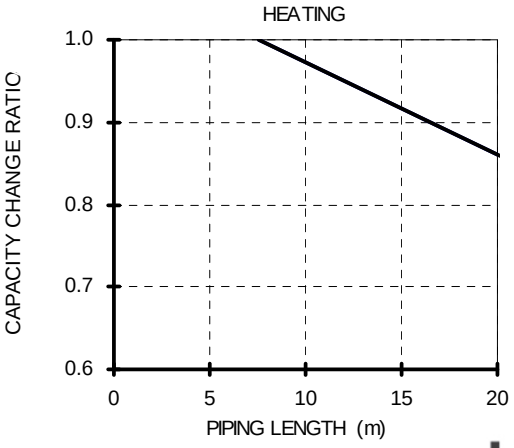
L: Actual One-Way Piping Length Between Indoor Unit and Outdoor Unit in Meters

EL: Equivalent Total Distance Between Indoor Unit and Outdoor Unit in Meters (Equivalent One-Way Piping Length)

Inverter 2.5kW

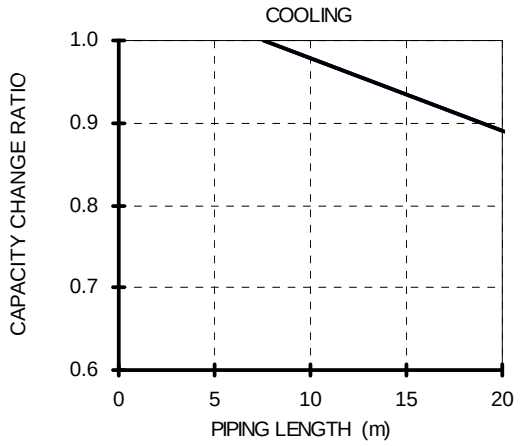
RAS/RAC-25YHA2

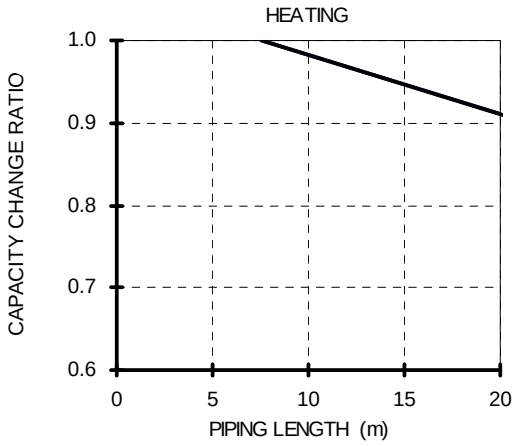




Inverter 3.5 kW

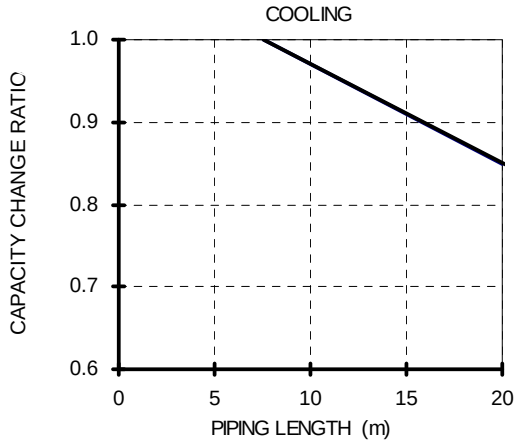
RAS/RAC-35YHA3

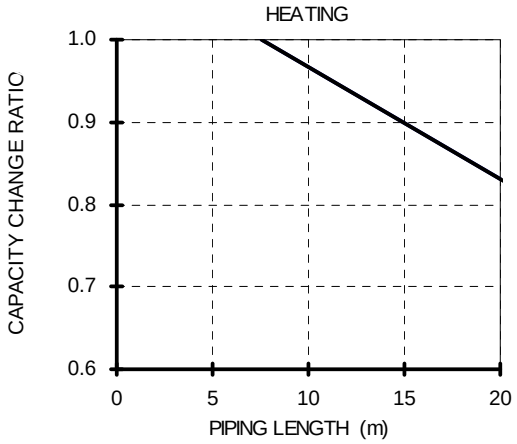




Inverter 5.0 kW

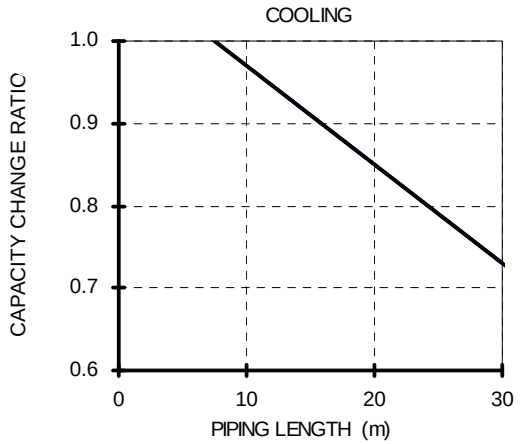
RAS/RAC-50YHA2

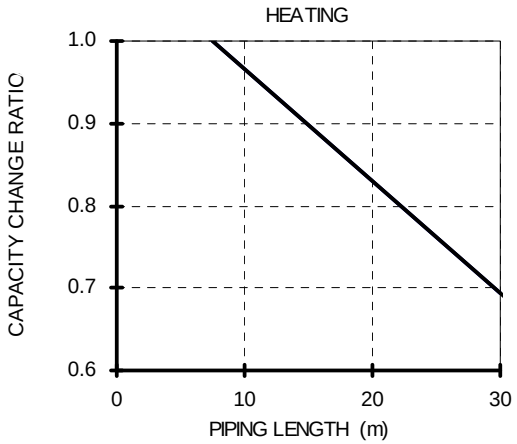




Inverter 6.0 kW

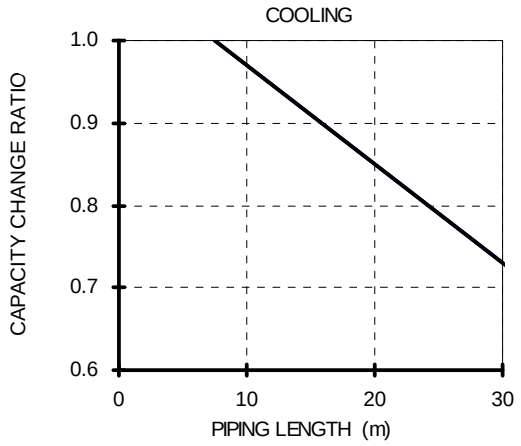
RAS/RAC-60YHA2

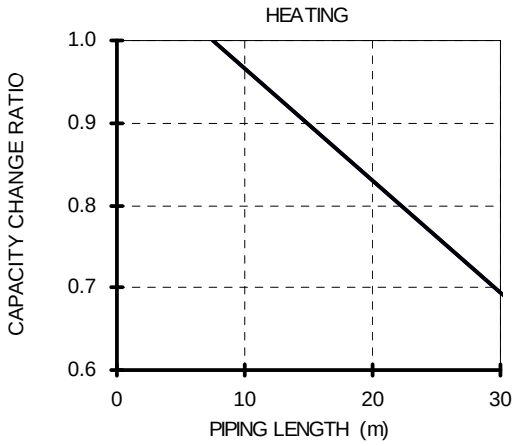




Inverter 7.0 kW

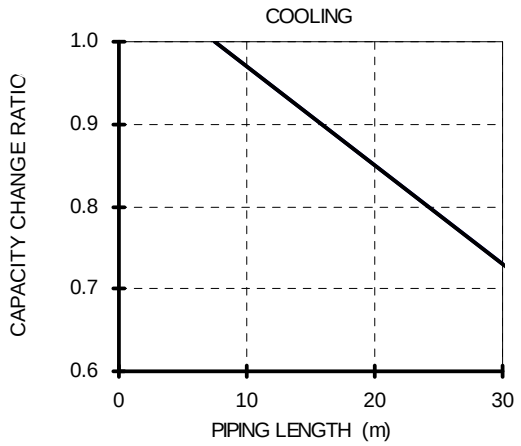
RAS/RAC-70YHA2

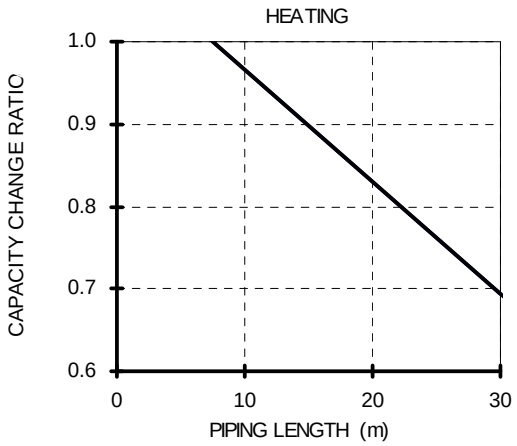




Inverter 8.0 kW

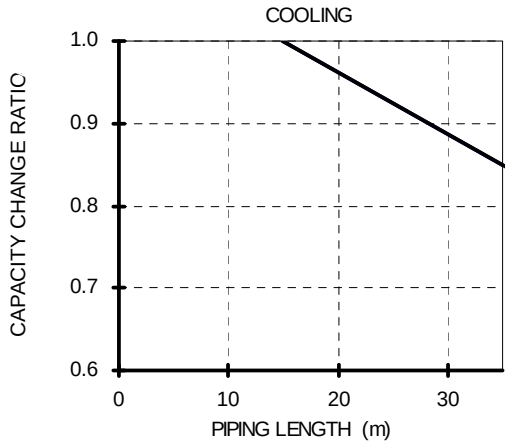
RAS/RAC-80YHA2

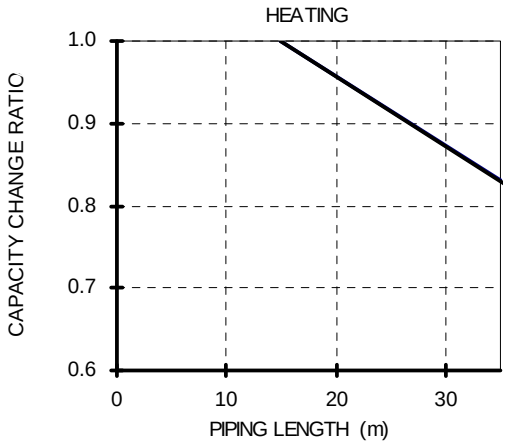




2 Rooms Multizone

RAM-55QHA1





4.2 CAPACITY CHARACTERISTIC CURVES OF OUTDOOR UNITS

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.
Conditions:
①Pipe length / height difference : 7.5m / 0m
②Indoor fan speed at High mode
③Compressor at rated inverter frequency
④Capacity loss due to white frost and defrost operation is not included

4.2.1 RAS/ RAC-25YHA2

COOLING [50Hz, 240V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	2241	1576	321	2726	2257	410	2523	2083	483	2378	1975	534	2291	1888	557	2146	1779	597	2059	1693	621
14.0	20	2241	1576	321	2929	2257	410	2726	2105	489	2552	1975	539	2465	1910	563	2291	1779	603	2204	1714	632
16.0	22	2241	1677	326	3132	2257	415	2900	2105	495	2726	1975	545	2639	1910	574	2465	1779	615	2378	1714	638
18.0	25	2403	1798	331	3335	2452	421	3074	2279	500	2900	2148	551	2784	2062	574	2610	1931	621	2494	1845	644
19.0	27	2484	1859	336	3451	2582	426	3190	2387	506	3016	2257	557	2900	2170	580	2726	2040	621	2610	1953	644
22.0	30	2754	1839	336	3828	2561	426	3538	2365	506	3335	2235	563	3219	2148	586	2900	2083	644	2697	2040	679
24.0	32	2943	1839	341	4089	2561	432	3770	2365	512	3567	2235	563	3422	2148	592	3016	2127	661	2755	2105	702

HEATING [50Hz, 240V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	1512	0	585	2394	0	600	2953	0	643	3595	0	720	4246	0	729	4633	0	749	5347	0	786
18	1491	0	593	2373	0	608	2923	0	660	3557	0	738	4225	0	766	4616	0	782	5326	0	823
20	1470	0	600	2352	0	616	2898	0	672	3528	0	751	4200	0	790	4515	0	818	5292	0	861
22	1449	0	608	2331	0	624	2856	0	689	3490	0	769	4175	0	822	4565	0	848	5267	0	897
24	1428	0	616	2310	0	632	2831	0	705	3461	0	787	4150	0	853	4540	0	880	5191	0	933

4.2.2 RAS/ RAC-35YHA3

COOLING [50Hz, 240V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	1,805	1408	355	2,268	2083	468	2,099	1923	551	2,870	2644	883	2,765	2528	922	2,590	2383	989	2,485	2267	1027
14.0	20	1,805	1408	355	2,437	2083	468	2,268	1943	558	3,080	2644	893	2,975	2557	931	2,765	2383	998	2,660	2296	1046
16.0	22	1,805	1499	361	2,606	2083	474	2,413	1943	564	3,290	2644	902	3,185	2557	950	2,975	2383	1018	2,870	2296	1056
18.0	25	1,936	1607	366	2,775	2264	480	2,557	2103	571	3,500	2877	912	3,360	2761	950	3,150	2586	1027	3,010	2470	1066
19.0	27	2,001	1661	372	2,871	2384	486	2,654	2203	577	3,640	3022	922	3,500	2906	960	3,290	2732	1027	3,150	2615	1066
22.0	30	2,218	1643	372	3,185	2364	486	2,943	2183	577	4,025	2993	931	3,885	2877	970	3,500	2790	1066	3,255	2732	1123
24.0	32	2,370	1643	377	3,402	2364	492	3,136	2183	584	4,305	2993	931	4,130	2877	979	3,640	2848	1094	3,325	2819	1162

HEATING [50Hz, 240V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
° C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	1,620	0	814	2,565	0	836	3,164	0	895	3,852	0	1002	4,550	0	1015	4,964	0	1043	5,729	0	1095
18	1,598	0	825	2,543	0	847	3,132	0	919	3,812	0	1027	4,527	0	1067	4,946	0	1089	5,706	0	1146
20	1,575	0	836	2,520	0	858	3,105	0	935	3,780	0	1045	4,500	0	1100	4,838	0	1139	5,670	0	1199
22	1,553	0	847	2,498	0	869	3,060	0	959	3,740	0	1070	4,473	0	1144	4,892	0	1180	5,643	0	1249
24	1,530	0	858	2,475	0	880	3,033	0	982	3,708	0	1096	4,446	0	1188	4,865	0	1225	5,562	0	1299

4.2.3 RAS/ RAC-50YHA2

COOLING [50Hz, 240V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	3507	2645	744	3972	3526	884	3676	3255	1042	4100	3651	1362	3950	3491	1421	3700	3290	1524	3,550	3,130	1,584
14.0	20	3507	2645	744	4268	3526	884	3972	3289	1054	4400	3651	1376	4250	3531	1436	3950	3290	1539	3,800	3,170	1,613
16.0	22	3507	2814	756	4563	3526	896	4225	3289	1066	4700	3651	1391	4550	3531	1465	4250	3290	1569	4,100	3,170	1,628
18.0	25	3761	3018	768	4859	3832	907	4479	3560	1079	5000	3972	1406	4800	3812	1465	4500	3571	1584	4,300	3,411	1,643
19.0	27	3887	3120	779	5028	4035	919	4648	3730	1091	5200	4173	1421	5000	4012	1480	4700	3772	1584	4,500	3,611	1,643
22.0	30	4310	3086	779	5577	4001	919	5155	3696	1091	5750	4133	1436	5550	3972	1495	5000	3852	1643	4,650	3,772	1,732
24.0	32	4606	3086	791	5958	4001	931	5493	3696	1103	6150	4133	1436	5900	3972	1510	5200	3932	1687	4,750	3,892	1,791

HEATING [50Hz, 240V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	2196	0	1228	3477	0	1262	4288	0	1351	5222	0	1512	6167	0	1532	6728	0	1574	7765	0	1652
18	2166	0	1245	3447	0	1278	4246	0	1386	5167	0	1550	6137	0	1610	6704	0	1643	7735	0	1730
20	2135	0	1262	3416	0	1295	4209	0	1411	5124	0	1577	6100	0	1660	6558	0	1718	7686	0	1809
22	2105	0	1278	3386	0	1311	4148	0	1448	5069	0	1615	6063	0	1726	6631	0	1781	7649	0	1884
24	2074	0	1295	3355	0	1328	4111	0	1482	5026	0	1653	6027	0	1793	6594	0	1849	7540	0	1960

4.2.4 RAS/ RAC-60YHA2

COOLING [50Hz, 240V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	3395	2353	747	4999	4079	1153	4627	3765	1359	4920	4027	1693	4740	3850	1766	4440	3629	1895	4260	3452	1969
14.0	20	3395	2353	747	5371	4079	1153	4999	3805	1375	5280	4027	1711	5100	3894	1785	4740	3629	1914	4560	3496	2006
16.0	22	3395	2504	758	5744	4079	1168	5318	3805	1391	5640	4027	1730	5460	3894	1822	5100	3629	1950	4920	3496	2024
18.0	25	3641	2685	770	6116	4432	1183	5637	4118	1406	6000	4381	1748	5760	4204	1822	5400	3938	1969	5160	3761	2042
19.0	27	3764	2776	782	6329	4667	1198	5850	4314	1422	6240	4602	1766	6000	4425	1840	5640	4160	1969	5400	3983	2042
22.0	30	4173	2746	782	7020	4628	1198	6488	4275	1422	6900	4558	1785	6660	4381	1858	6000	4248	2042	5580	4160	2153
24.0	32	4459	2746	793	7499	4628	1213	6914	4275	1438	7380	4558	1785	7080	4381	1877	6240	4337	2098	5700	4292	2226

HEATING [50Hz, 240V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	2520	0	1517	3990	0	1558	4921	0	1669	5992	0	1868	7077	0	1892	7721	0	1943	8911	0	2040
18	2485	0	1538	3955	0	1579	4872	0	1712	5929	0	1915	7042	0	1989	7693	0	2030	8876	0	2136
20	2450	0	1558	3920	0	1599	4830	0	1743	5880	0	1948	7000	0	2050	7525	0	2122	8820	0	2235
22	2415	0	1579	3885	0	1620	4760	0	1788	5817	0	1995	6958	0	2132	7609	0	2200	8778	0	2327
24	2380	0	1599	3850	0	1640	4718	0	1831	5768	0	2042	6916	0	2214	7567	0	2284	8652	0	2421

4.2.5 RAS/ RAC-70YHA2

COOLING [50Hz, 230V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	3631	2539	763	5483	4514	1207	5075	4167	1423	5740	4740	1886	5530	4531	1968	5180	4271	2112	4970	4062	2194
14.0	20	3631	2539	763	5892	4514	1207	5483	4210	1440	6160	4740	1907	5950	4583	1989	5530	4271	2132	5320	4115	2235
16.0	22	3631	2702	775	6300	4514	1223	5833	4210	1457	6580	4740	1927	6370	4583	2030	5950	4271	2173	5740	4115	2255
18.0	25	3894	2897	786	6708	4904	1239	6183	4557	1473	7000	5156	1948	6720	4948	2030	6300	4635	2194	6020	4427	2276
19.0	27	4025	2995	798	6942	5165	1255	6417	4774	1490	7280	5417	1968	7000	5208	2050	6580	4896	2194	6300	4687	2276
22.0	30	4463	2962	798	7700	5122	1255	7117	4731	1490	8050	5365	1989	7770	5156	2071	7000	5000	2276	6510	4896	2399
24.0	32	4769	2962	810	8225	5122	1271	7583	4731	1507	8610	5365	1989	8260	5156	2091	7280	5104	2337	6650	5052	2481

HEATING [50Hz, 230V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	2988	0	1776	4731	0	1824	5835	0	1954	7105	0	2186	8391	0	2215	9155	0	2275	10566	0	2388
18	2947	0	1800	4690	0	1848	5777	0	2004	7030	0	2242	8350	0	2328	9122	0	2376	10524	0	2501
20	2905	0	1824	4648	0	1872	5727	0	2040	6972	0	2280	8300	0	2400	8923	0	2484	10458	0	2616
22	2864	0	1848	4607	0	1896	5644	0	2093	6897	0	2335	8250	0	2496	9022	0	2575	10408	0	2724
24	2822	0	1872	4565	0	1920	5594	0	2143	6839	0	2390	8200	0	2592	8972	0	2674	10259	0	2834

4.2.6 RAS/ RAC-80YHA2

COOLING [50Hz, 240V]

INDOOR		OUTDOOR TEMPERATURE (°CDW)																				
EWB	EDB	-10			21			27			32			35			40			43		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18	3984	2606	946	6016	4634	1498	5568	4277	1766	6560	5068	2438	6320	4845	2544	5920	4567	2730	5680	4344	2836
14.0	20	3984	2606	946	6464	4634	1498	6016	4322	1787	7040	5068	2465	6800	4901	2571	6320	4567	2756	6080	4400	2889
16.0	22	3984	2774	961	6912	4634	1518	6400	4322	1808	7520	5068	2491	7280	4901	2624	6800	4567	2809	6560	4400	2915
18.0	25	4272	2974	976	7360	5035	1538	6784	4678	1828	8000	5514	2518	7680	5291	2624	7200	4957	2836	6880	4734	2942
19.0	27	4416	3074	991	7616	5302	1558	7040	4901	1849	8320	5792	2544	8000	5569	2650	7520	5235	2836	7200	5012	2942
22.0	30	4896	3041	991	8448	5257	1558	7808	4856	1849	9200	5736	2571	8880	5514	2677	8000	5347	2942	7440	5235	3101
24.0	32	5232	3041	1006	9024	5257	1577	8320	4856	1870	9840	5736	2571	9440	5514	2703	8320	5458	3021	7600	5402	3207

HEATING [50Hz, 240V]

INDOOR	OUTDOOR TEMPERATURE (°CDW)																				
EDB	-15			-10			-5			0			7			10			15		
°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
16	3348	0	2146	5301	0	2204	6538	0	2361	7961	0	2642	9402	0	2677	10258	0	2749	11839	0	2886
18	3302	0	2175	5255	0	2233	6473	0	2422	7877	0	2709	9356	0	2813	10221	0	2871	11792	0	3022
20	3255	0	2204	5208	0	2262	6417	0	2465	7812	0	2755	9300	0	2900	9998	0	3002	11718	0	3161
22	3209	0	2233	5162	0	2291	6324	0	2529	7728	0	2822	9244	0	3016	10109	0	3112	11662	0	3292
24	3162	0	2262	5115	0	2320	6268	0	2590	7663	0	2888	9188	0	3132	10053	0	3231	11495	0	3425