

Residential Inverter Heat Pump R32

DAISEIKAI 10

Indoor Units

RAS-B25S4KVPD-ND

RAS-B25S4KVDG-ND

RAS-B35S4KVPD-ND

RAS-B35S4KVDG-ND

Outdoor Units

RAS-25S4AVPD-ND

RAS-35S4AVPD-ND

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1. Line up

Indoor Unit	Outdoor Unit	Model Name		Capacity Rank
		FCU	CDU	
 White FCU	 CDU Chassis 630H	RAS-B25S4KVPD-ND	RAS-25N4AVPG-ND	10k
		RAS-B35S4KVPD-ND	RAS-35N4AVPG-ND	13k
 Wooden FCU		RAS-B25S4KVDG-ND	RAS-25N4AVPG-ND	10k
		RAS-B35S4KVDG-ND	RAS-35N4AVPG-ND	13k

Accessories

Appearance	Model Name
	Standard Remote Control WH-UD02UE (Packed with White FCU)
	Standard Remote Control WH-UD01UE (Packed with Wooden FCU)
	Option RC RB-RXS33-E
	Built-in Wireless adapter Application Toshiba Home AC Control

2. Specifications

Model	Indoor unit		RAS-	B25S4KVPD-ND		B35S4KVPD-ND	
	Outdoor unit		RAS-	B25S4KVDG-ND		B35S4KVDG-ND	
			RAS-	25S4AVPD-ND		35S4AVPD-ND	
Cooling capacity			(kW)	2.50		3.50	
Cooling capacity range			(kW)	0.60 - 4.50		0.72 - 5.50	
PdesignC			(kW)	2.50		3.50	
EER				5.68		4.73	
SEER				10.50		9.50	
Heating capacity			(kW)	3.20		4.00	
Heating capacity range			(kW)	0.56 - 6.70		0.72 - 7.70	
PdesignH (average)			(kW)	3.00		3.80	
COP				5.42		5.06	
SCOP (average)				5.50		5.40	
Power supply				1 ph 50 Hz 220-240V			
Electrical characteristic	Indoor unit	Operation mode		Cooling	Heating	Cooling	Heating
		Running current	(A)	0.22 - 0.24	0.26 - 0.28	0.22 - 0.24	0.26 - 0.28
		Power consumption	(W)	25	30	25	30
		Power factor (approx.)	(%)	47	48	47	48
		Indoor noise (H/M+/M/L+/L/Q)	(dB)	41/38/33/28/24/19	41/38/33/28/24/19	41/39/34/29/25/19	41/39/34/29/25/19
	Outdoor unit	Indoor air flow (H/M/L)	(m³ / hr)	700 / 500 / 300	750 / 530 / 330	730 / 520 / 330	780 / 560 / 360
		Running current	(A)	2.13 - 2.32	2.45 - 2.67	3.08 - 3.36	3.29 - 3.57
		Power consumption	(W)	415	560	715	760
		Power factor (approx.)	(%)	81	95	97	96
		Outdoor noise	(dB)	46	47	48	49
		Air flow rate	(m³ / hr)	2220	2220	2490	2350
		Rated power factor	(%)	78	91	93	93
	Maximum current (total)		(A)	13.00		14.00	
Maximum of power consumption		(W)	2700		2950		
Dimension	Indoor unit (white)	Height	(mm)	293			
		Width	(mm)	930			
		Depth	(mm)	255			
		Weight	(kg)	14			
	Indoor unit (wooden)	Height	(mm)	293			
		Width	(mm)	940			
		Depth	(mm)	257			
		Weight	(kg)	16			
	Outdoor unit	Height	(mm)	630			
		Width	(mm)	800			
			Depth	(mm)	300		
			Weight	(kg)	43		
Refrigerant				R32			
Refrigerant amount			(kg)	1.15		1.20	
Connecting pipe		Gas side	(mm)	Ø 9.52			
		Liquid side	(mm)	Ø 6.35			
		Chargeless length condition	(m)	15			
		Maximum length	(m)	25		25	
		Maximum Height	(m)	15		15	
Energy label (Cooling / Heating)				A+++ / A+++			
Operating range	Cooling	(°C)	Indoor : 21 to 32 °C / Outdoor : -15 to 46 °C				
	Heating	(°C)	Indoor : 0 to 28 °C / Outdoor : -30 to 24 °C				

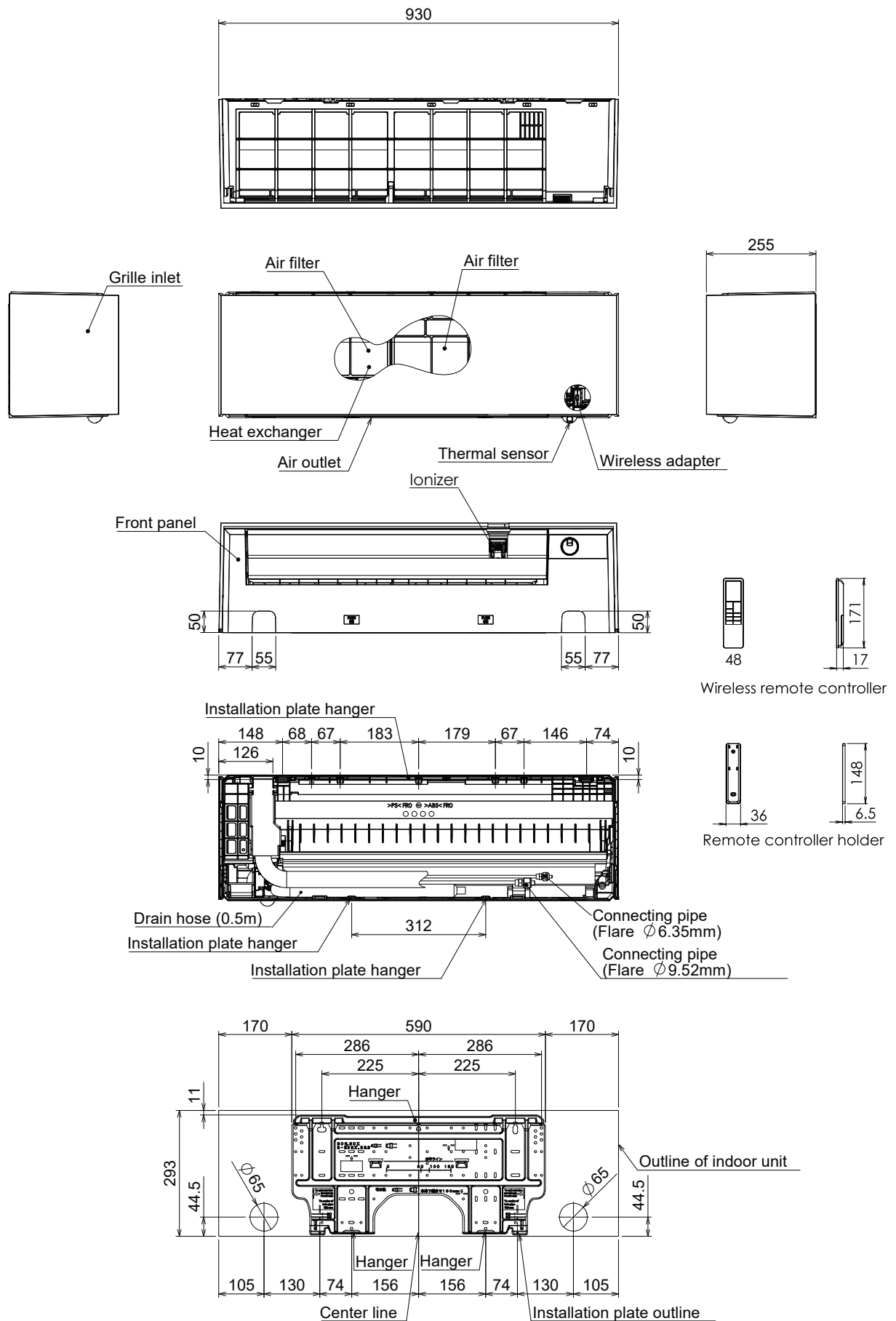
This specification refer to JISC9612, rated conditions.

Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),
 Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

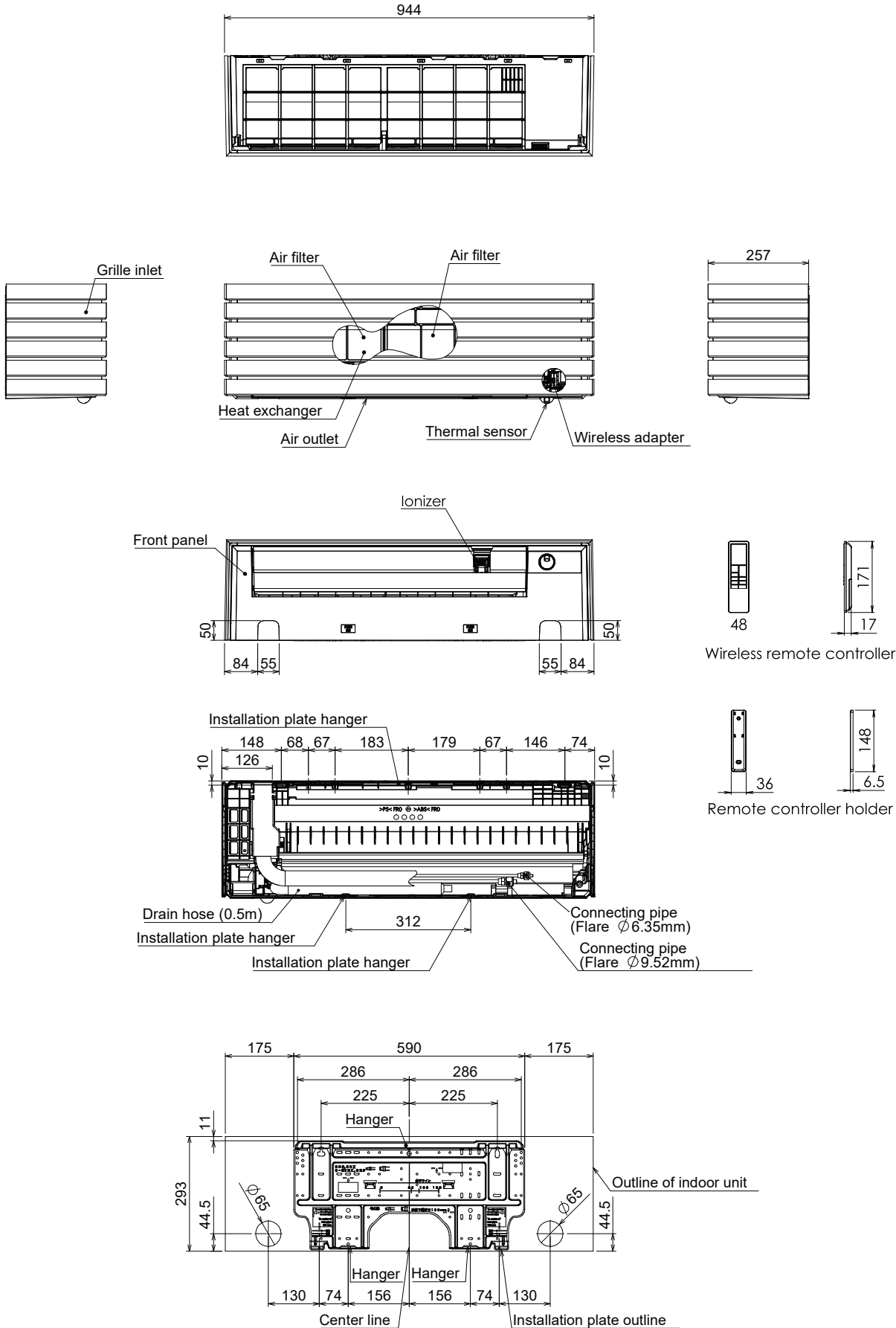
The specification may be subject to change without notice for purpose of improvement.

3. Dimension

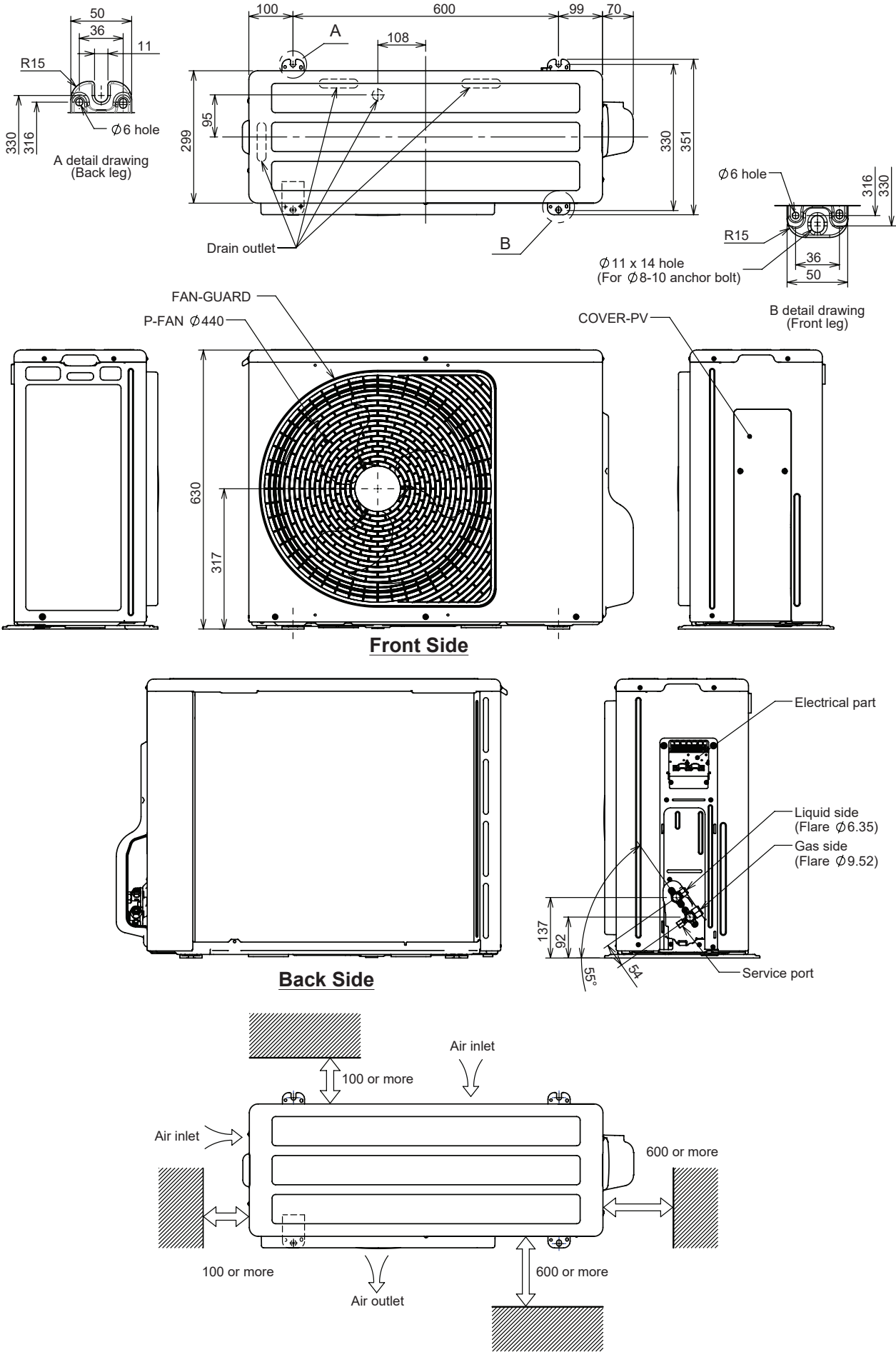
Indoor Unit : RAS-B25S4KVPD-ND, RAS-B35S4KVPD-ND



Indoor Unit : RAS-B25S4KVDG-ND, RAS-B35S4KVDG-ND



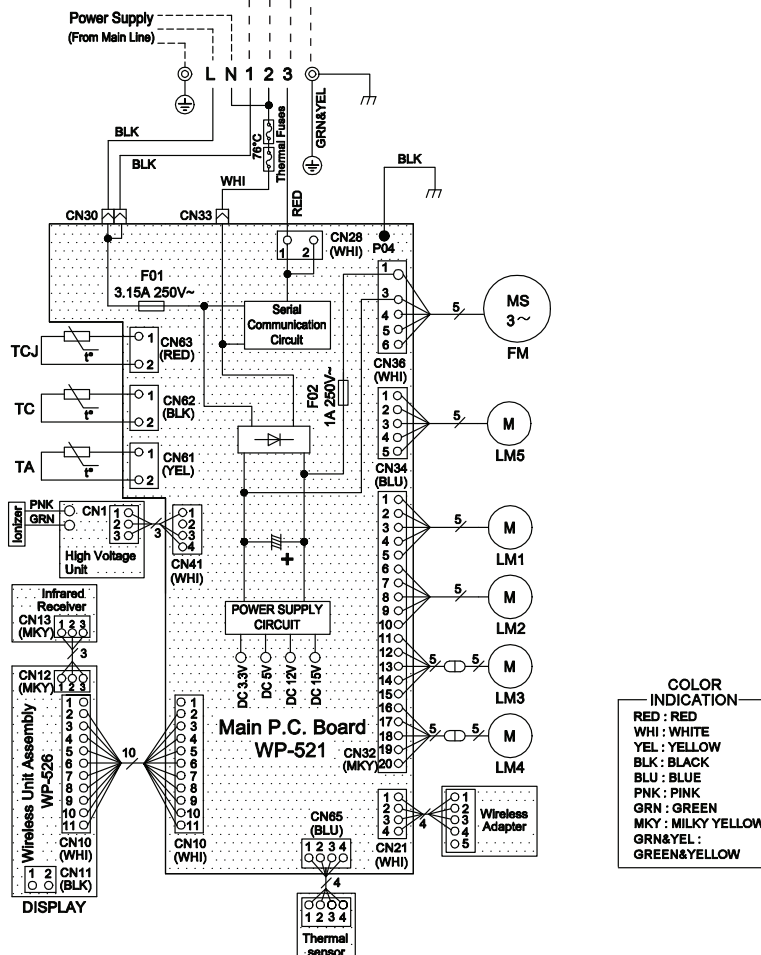
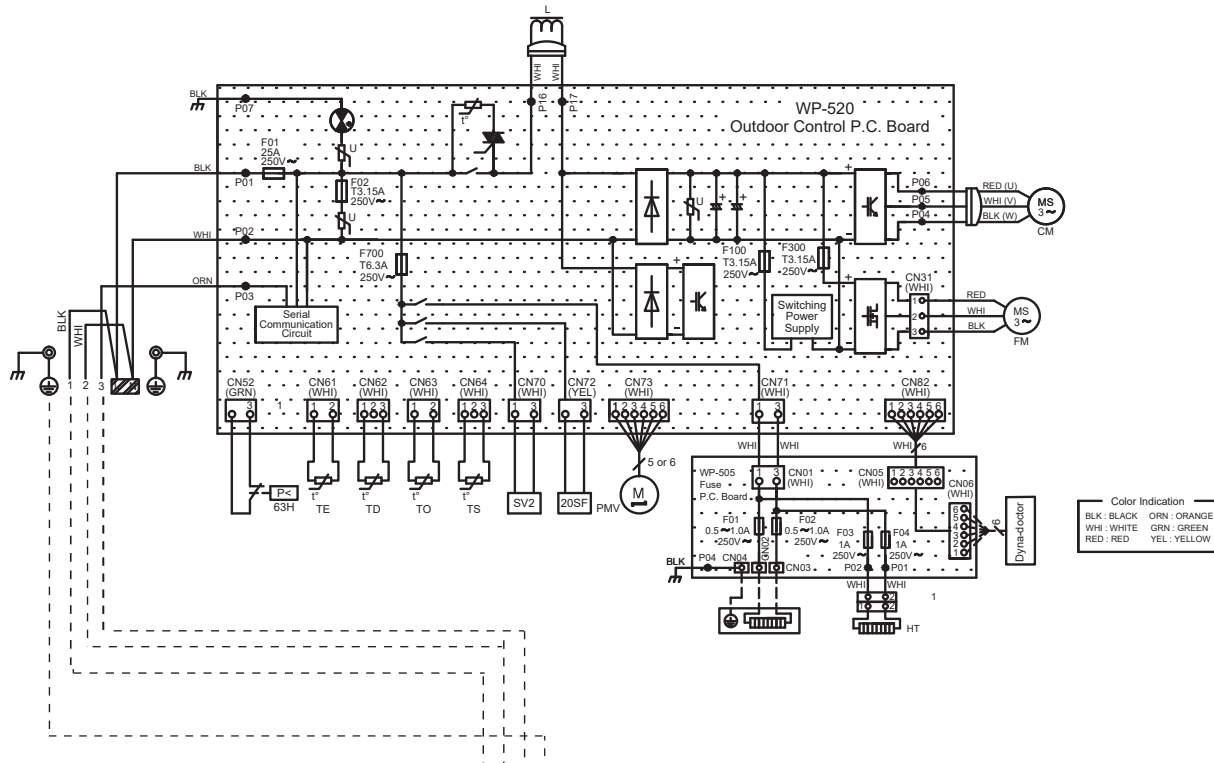
Outdoor Unit : RAS-25S4AVPG-ND, RAS-35S4AVPG-ND



4. Wiring diagrams

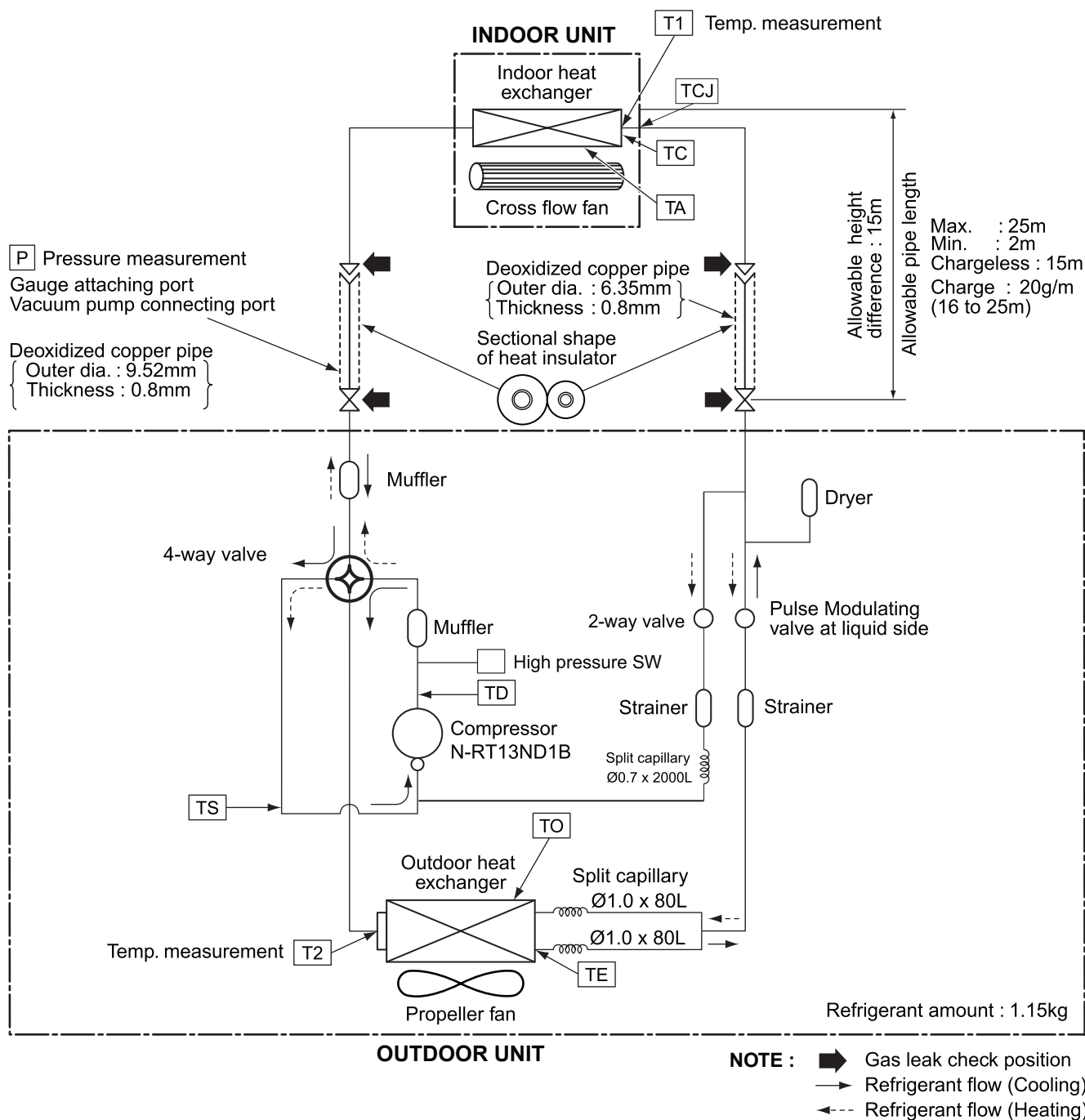
RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND

RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND



5. Refrigerant Cycle Diagram

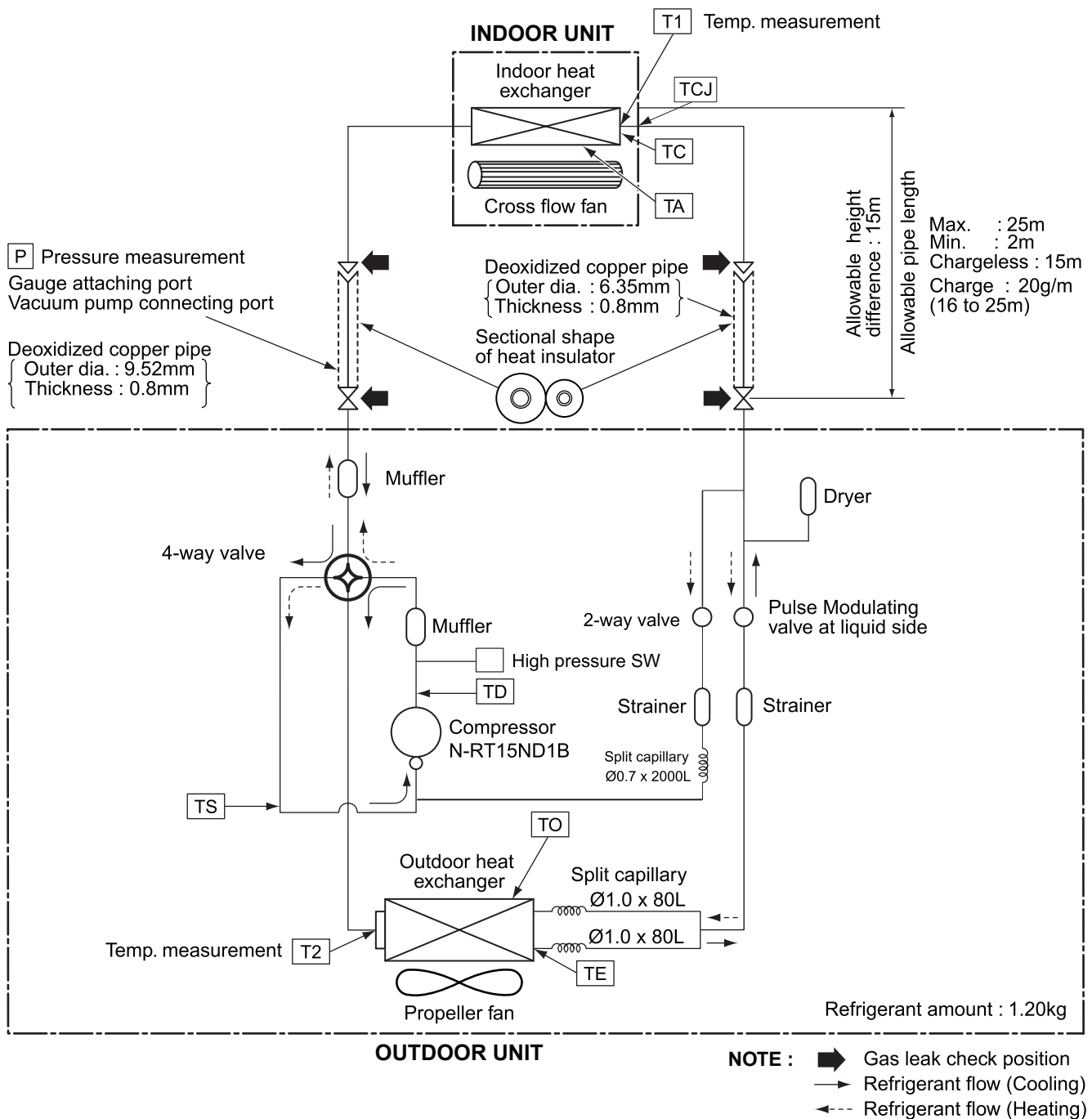
RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND



NOTE :

- The maximum pipe length of this air conditioner is 25 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 200g)

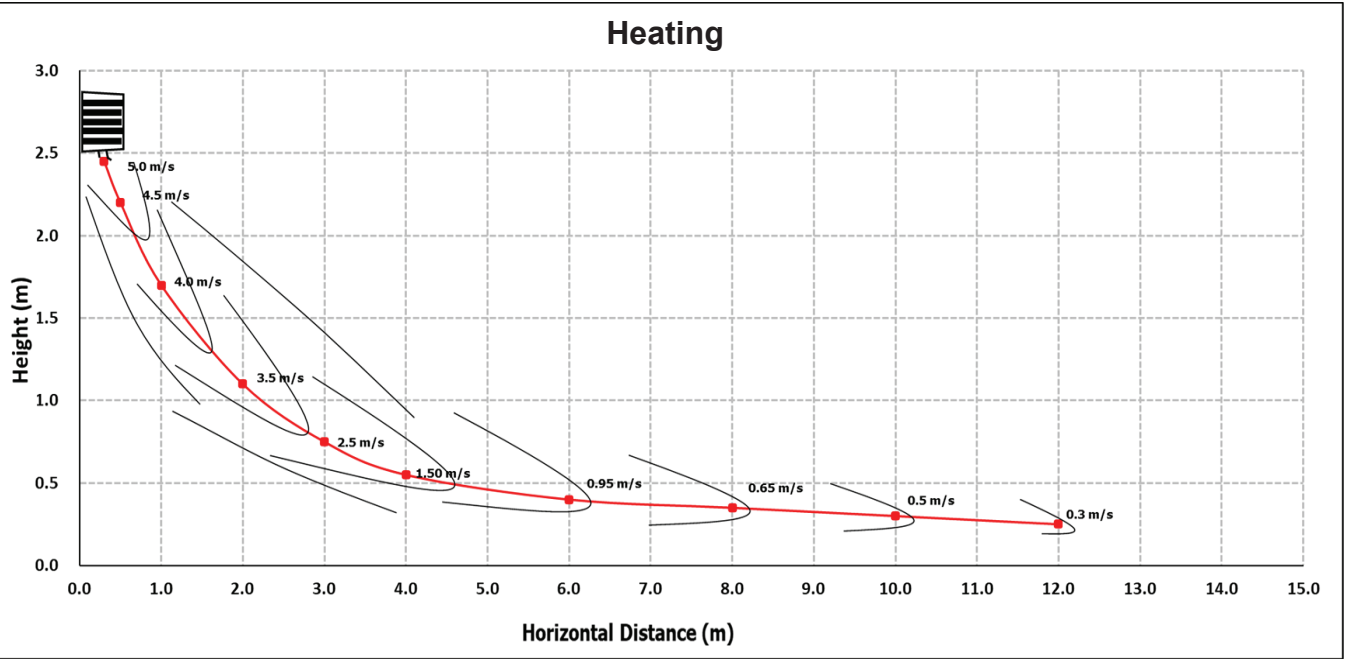
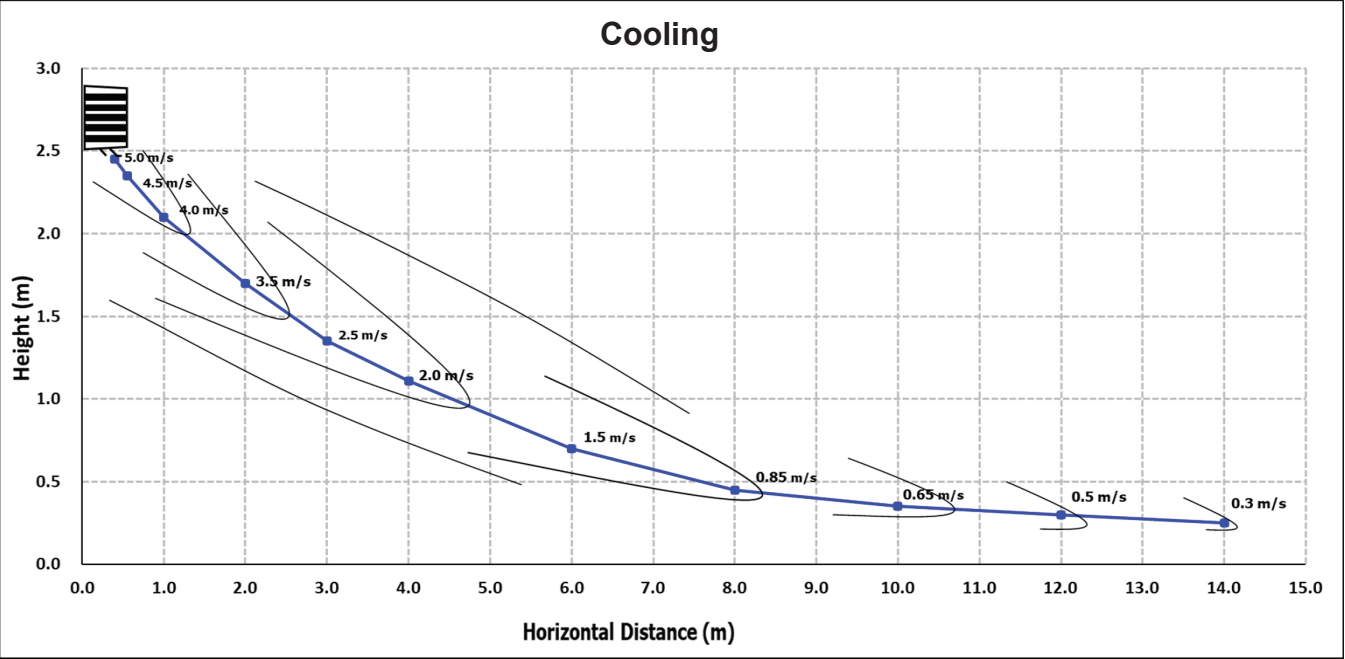
RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND

**NOTE :**

- The maximum pipe length of this air conditioner is 25 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 200g)

6. Air Speed Distribution

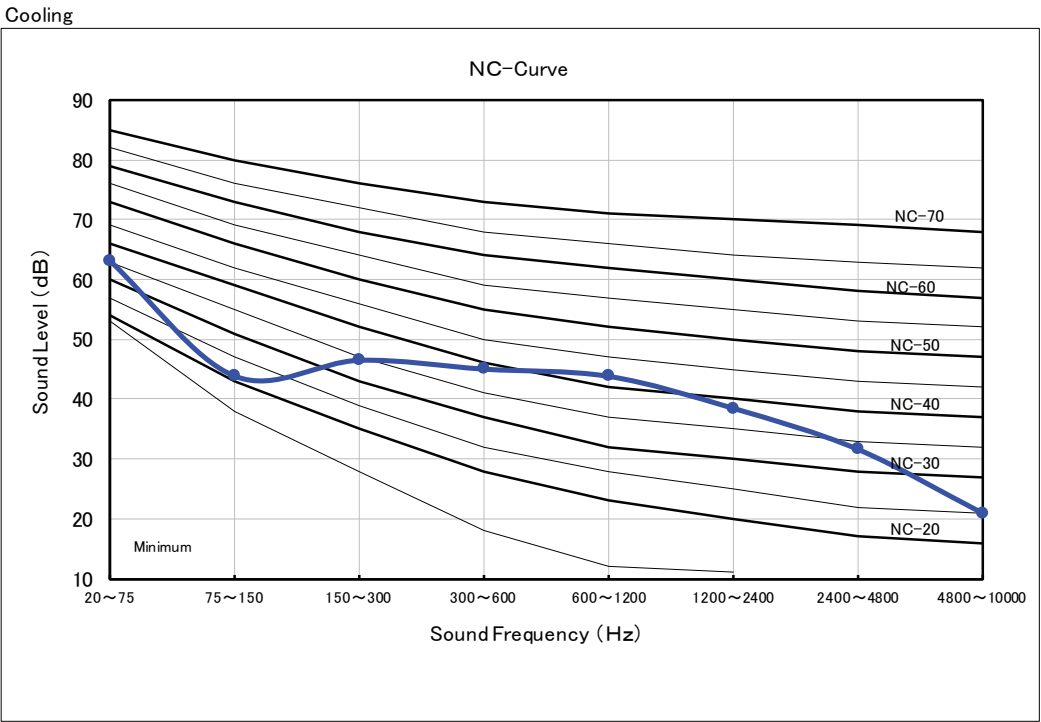
RAS-B25S4KV(P,D)G-ND, RAS-B35S4KV(P,D)G-ND



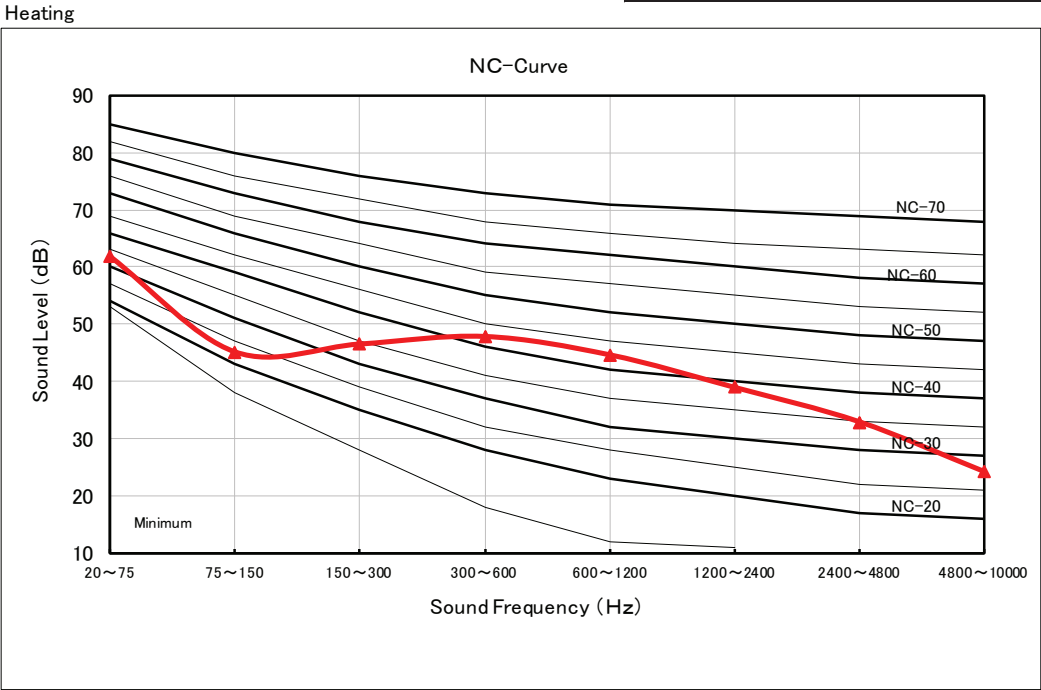
7. Sound Characteristics (NC Curve)

RAS-25N4AVPG-ND

Measured point	Specification
	Cooling
Horizontal 1.0 m	46

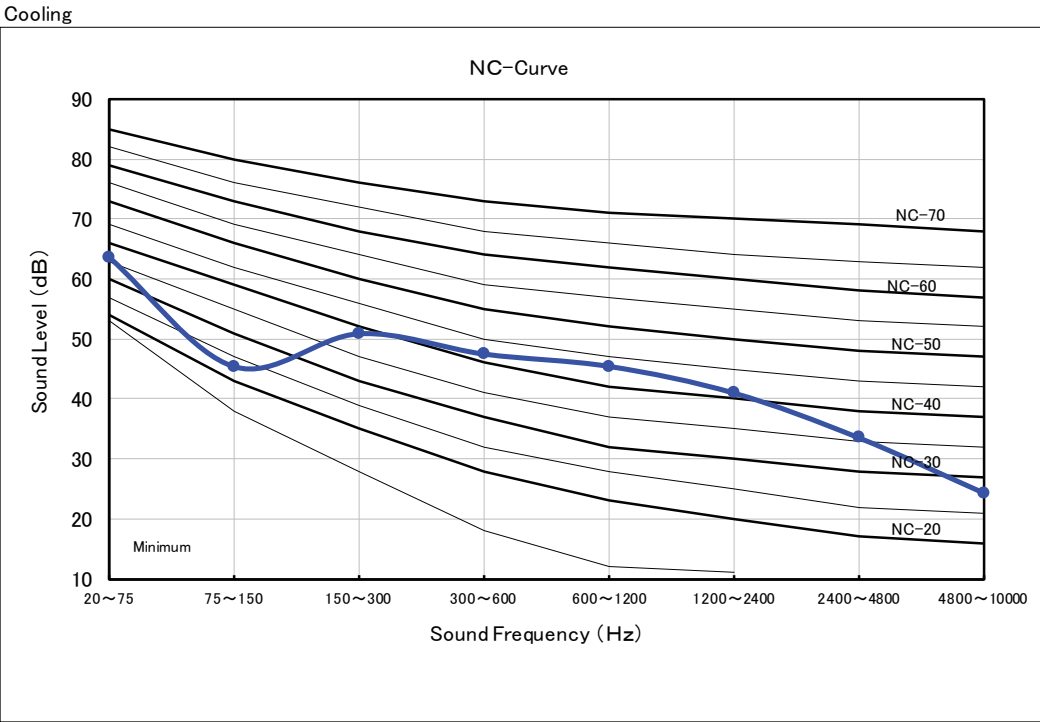


Measured point	Specification
	Cooling
Horizontal 1.0 m	47

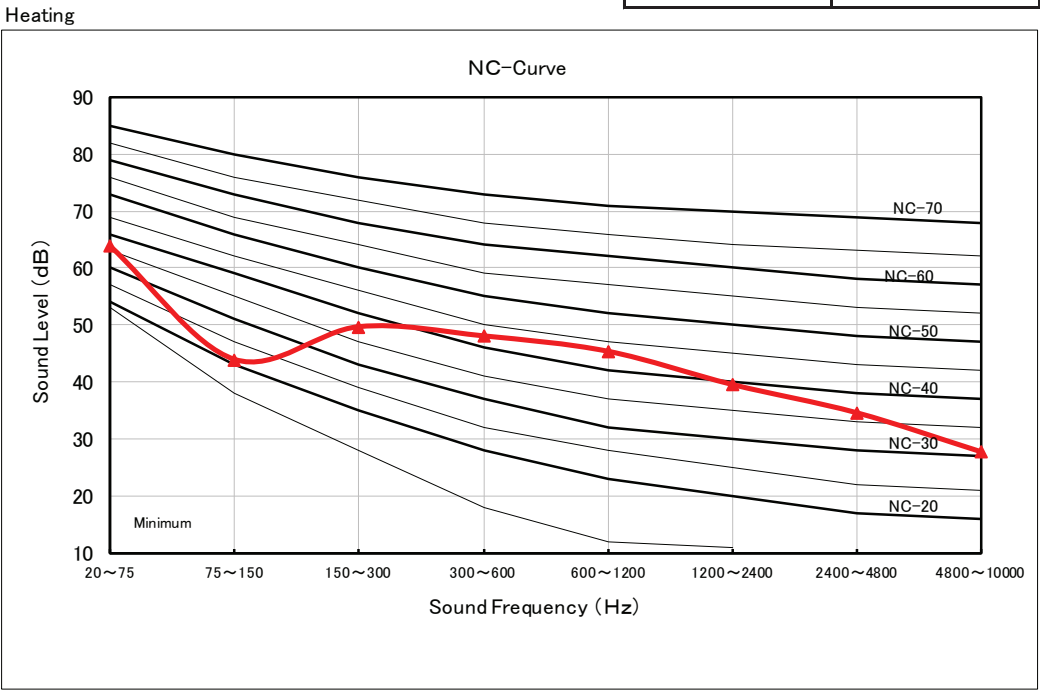


RAS-B35N4KVP(D)G-ND

Measured point	Specification
	Cooling
Horizontal 1.0 m	48



Measured point	Specification
	Cooling
Horizontal 1.0 m	49



8. Capacity Table

Product models : RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)		2.50	kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)		2.00	kW

Outdoor air temperature DB (°C)	Indoor air temperature													
	20.0°C (DB) 14.0°C (WB)		23.0°C (DB) 16.0°C (WB)		26.0°C (DB) 18.0°C (WB)		27.0°C (DB) 19.0°C (WB)		28.0°C (DB) 20.0°C (WB)		30.0°C (DB) 22.0°C (WB)		32.0°C (DB) 24.0°C (WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.45	2.11	2.70	2.25	2.90	2.39	2.98	2.39	3.07	2.38	3.25	2.36	3.40	2.32
21	2.42	2.09	2.68	2.22	2.86	2.36	2.95	2.36	3.03	2.36	3.21	2.34	3.36	2.29
22	2.40	2.06	2.65	2.20	2.83	2.34	2.92	2.33	3.00	2.33	3.18	2.31	3.32	2.27
23	2.37	2.04	2.62	2.17	2.80	2.31	2.89	2.31	2.97	2.31	3.14	2.29	3.29	2.24
24	2.34	2.02	2.59	2.15	2.77	2.29	2.85	2.28	2.93	2.28	3.11	2.26	3.25	2.22
25	2.32	1.99	2.56	2.13	2.74	2.26	2.82	2.26	2.90	2.26	3.07	2.23	3.21	2.19
26	2.29	1.97	2.53	2.10	2.71	2.23	2.79	2.23	2.87	2.23	3.04	2.21	3.18	2.17
27	2.26	1.95	2.50	2.08	2.68	2.21	2.76	2.21	2.84	2.20	3.00	2.18	3.14	2.14
28	2.24	1.93	2.47	2.05	2.65	2.18	2.72	2.18	2.80	2.18	2.97	2.16	3.10	2.12
29	2.21	1.90	2.44	2.03	2.62	2.16	2.69	2.15	2.77	2.15	2.93	2.13	3.07	2.09
30	2.19	1.88	2.41	2.01	2.58	2.13	2.66	2.13	2.74	2.13	2.90	2.11	3.03	2.07
31	2.16	1.86	2.38	1.98	2.55	2.11	2.63	2.10	2.70	2.10	2.86	2.08	2.99	2.04
32	2.13	1.84	2.36	1.96	2.52	2.08	2.60	2.08	2.67	2.08	2.83	2.06	2.96	2.02
33	2.11	1.81	2.33	1.93	2.49	2.05	2.56	2.05	2.64	2.05	2.79	2.03	2.92	1.99
34	2.08	1.79	2.30	1.91	2.46	2.03	2.53	2.03	2.60	2.02	2.76	2.01	2.88	1.97
35	2.05	1.77	2.27	1.88	2.43	2.00	2.50	2.00	2.57	2.00	2.72	1.98	2.85	1.94
36	2.03	1.74	2.24	1.86	2.40	1.98	2.47	1.97	2.54	1.97	2.69	1.95	2.81	1.92
37	2.00	1.72	2.21	1.84	2.37	1.95	2.44	1.95	2.51	1.95	2.65	1.93	2.78	1.89
38	1.97	1.70	2.18	1.81	2.34	1.93	2.40	1.92	2.47	1.92	2.62	1.90	2.74	1.87
39	1.95	1.68	2.15	1.79	2.30	1.90	2.37	1.90	2.44	1.90	2.58	1.88	2.70	1.84
40	1.92	1.65	2.12	1.76	2.27	1.87	2.34	1.87	2.41	1.87	2.55	1.85	2.67	1.82
41	1.90	1.63	2.09	1.74	2.24	1.85	2.31	1.85	2.37	1.84	2.51	1.83	2.63	1.79
42	1.87	1.61	2.06	1.72	2.21	1.82	2.28	1.82	2.34	1.82	2.48	1.80	2.59	1.77
43	1.84	1.59	2.03	1.69	2.18	1.80	2.24	1.79	2.31	1.79	2.44	1.78	2.56	1.74
44	1.82	1.56	2.01	1.67	2.15	1.77	2.21	1.77	2.27	1.77	2.41	1.75	2.52	1.72
45	1.79	1.54	1.98	1.64	2.12	1.75	2.18	1.74	2.24	1.74	2.37	1.73	2.48	1.69
46	1.76	1.52	1.95	1.62	2.09	1.72	2.15	1.72	2.21	1.72	2.34	1.70	2.45	1.67

Product models : RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND

Specification of product at standard condition

Standard Condition	Indoor	27°C (DB) / 19°C (WB)	Total Cooling Capacity (TC)	3.50 kW
	Outdoor	35°C (DB) / 24°C (WB)	Sensible Heat Capacity (SHC)	2.70 kW

Outdoor air temperature DB (°C)	Indoor air temperature													
	20.0°C (DB) 14.0°C (WB)		23.0°C (DB) 16.0°C (WB)		26.0°C (DB) 18.0°C (WB)		27.0°C (DB) 19.0°C (WB)		28.0°C (DB) 20.0°C (WB)		30.0°C (DB) 22.0°C (WB)		32.0°C (DB) 24.0°C (WB)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	3.43	2.85	3.79	3.04	4.05	3.23	4.17	3.22	4.29	3.21	4.55	3.18	4.76	3.11
21	3.39	2.82	3.75	3.01	4.01	3.19	4.13	3.19	4.25	3.18	4.50	3.14	4.70	3.07
22	3.35	2.79	3.70	2.97	3.97	3.16	4.08	3.15	4.20	3.15	4.45	3.11	4.65	3.04
23	3.32	2.76	3.66	2.94	3.92	3.12	4.04	3.12	4.15	3.11	4.40	3.07	4.60	3.01
24	3.28	2.73	3.62	2.91	3.88	3.09	3.99	3.08	4.11	3.08	4.35	3.04	4.55	2.97
25	3.24	2.70	3.58	2.87	3.84	3.06	3.95	3.05	4.06	3.04	4.30	3.01	4.50	2.94
26	3.21	2.67	3.54	2.84	3.79	3.02	3.90	3.01	4.02	3.01	4.25	2.97	4.45	2.91
27	3.17	2.64	3.50	2.81	3.75	2.99	3.86	2.98	3.97	2.97	4.20	2.94	4.40	2.87
28	3.13	2.61	3.46	2.78	3.71	2.95	3.81	2.94	3.92	2.94	4.16	2.90	4.35	2.84
29	3.10	2.58	3.42	2.74	3.66	2.92	3.77	2.91	3.88	2.90	4.11	2.87	4.29	2.81
30	3.06	2.55	3.38	2.71	3.62	2.88	3.72	2.87	3.83	2.87	4.06	2.83	4.24	2.77
31	3.02	2.52	3.34	2.68	3.57	2.85	3.68	2.84	3.78	2.83	4.01	2.80	4.19	2.74
32	2.99	2.48	3.30	2.65	3.53	2.81	3.63	2.80	3.74	2.80	3.96	2.77	4.14	2.71
33	2.95	2.45	3.26	2.61	3.49	2.78	3.59	2.77	3.69	2.76	3.91	2.73	4.09	2.67
34	2.91	2.42	3.22	2.58	3.44	2.74	3.54	2.73	3.65	2.73	3.86	2.70	4.04	2.64
35	2.87	2.39	3.17	2.55	3.40	2.71	3.50	2.70	3.60	2.70	3.81	2.66	3.99	2.61
36	2.84	2.36	3.13	2.51	3.36	2.67	3.46	2.67	3.55	2.66	3.76	2.63	3.94	2.57
37	2.80	2.33	3.09	2.48	3.31	2.64	3.41	2.63	3.51	2.63	3.71	2.60	3.89	2.54
38	2.76	2.30	3.05	2.45	3.27	2.60	3.37	2.60	3.46	2.59	3.67	2.56	3.83	2.50
39	2.73	2.27	3.01	2.42	3.23	2.57	3.32	2.56	3.42	2.56	3.62	2.53	3.78	2.47
40	2.69	2.24	2.97	2.38	3.18	2.53	3.28	2.53	3.37	2.52	3.57	2.49	3.73	2.44
41	2.65	2.21	2.93	2.35	3.14	2.50	3.23	2.49	3.32	2.49	3.52	2.46	3.68	2.40
42	2.62	2.18	2.89	2.32	3.09	2.46	3.19	2.46	3.28	2.45	3.47	2.42	3.63	2.37
43	2.58	2.15	2.85	2.29	3.05	2.43	3.14	2.42	3.23	2.42	3.42	2.39	3.58	2.34
44	2.54	2.12	2.81	2.25	3.01	2.40	3.10	2.39	3.18	2.38	3.37	2.36	3.53	2.30
45	2.51	2.09	2.77	2.22	2.96	2.36	3.05	2.35	3.14	2.35	3.32	2.32	3.48	2.27
46	2.47	2.05	2.73	2.19	2.92	2.33	3.01	2.32	3.09	2.31	3.27	2.29	3.42	2.24

9. Part Load Performance

Single Split Type

Indoor: RAS-B25S4KV(P,D)G-ND
Outdoor: RAS-25S4AVPG-ND

Operation range		Cooling		Heating	
		Q	P	Q	P
MINIMUM	W	600	150	560	150
RATING	W	2500	440	3200	590
MAXIMUM	W	4500	1190	6700	1800

Q : Capacity (W)
P : Power consumption (W)

Cooling		Parts Load (%)																			
		100 (Max)		90		80		70		60		55 (Rated)		40		30		20		10	
		Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P
Outdoor Temperature DB (°C)																					
20		5366	934	4830	670	4293	576	3756	481	3220	387	2981	345	2147	229	1610	169	1073	136	716	118
21		5309	951	4778	682	4247	586	3716	490	3185	394	2949	352	2123	234	1593	172	1062	138	708	120
22		5251	968	4726	694	4201	597	3676	499	3150	401	2917	358	2100	238	1575	175	1050	141	700	122
23		5193	985	4674	707	4154	607	3635	508	3116	408	2885	364	2077	242	1558	178	1039	143	692	124
24		5135	1002	4622	719	4108	618	3595	517	3081	416	2853	371	2054	246	1541	181	1027	146	685	126
25		5078	1019	4570	731	4062	628	3554	525	3047	423	2821	377	2031	250	1523	184	1016	148	677	129
26		5020	1036	4518	743	4016	639	3514	534	3012	430	2789	383	2008	255	1506	187	1004	151	669	131
27		4962	1054	4466	755	3970	649	3473	543	2977	437	2757	390	1985	259	1489	191	992	153	662	133
28		4904	1071	4414	768	3923	660	3433	552	2943	444	2725	396	1962	263	1471	194	981	156	654	135
29		4847	1088	4362	780	3877	670	3393	561	2908	451	2692	402	1939	267	1454	197	969	158	646	137
30		4789	1105	4310	792	3831	681	3352	569	2873	458	2660	408	1916	271	1437	200	958	161	639	139
31		4731	1122	4258	804	3785	691	3312	578	2839	465	2628	415	1892	276	1419	203	946	163	631	141
32		4673	1139	4206	817	3739	702	3271	587	2804	472	2596	421	1869	280	1402	206	935	166	623	144
33		4616	1156	4154	829	3692	712	3231	596	2769	479	2564	427	1846	284	1385	209	923	168	615	146
34		4558	1173	4102	841	3646	723	3190	605	2735	486	2532	434	1823	288	1367	212	912	171	608	148
35		4500	1190	4050	853	3600	733	3150	613	2700	493	2500	440	1800	292	1350	215	900	173	600	150
36		4442	1207	3998	866	3554	744	3110	622	2665	500	2468	446	1777	296	1333	218	888	176	592	152
37		4385	1224	3946	878	3508	754	3069	631	2631	507	2436	453	1754	301	1315	221	877	178	585	154
38		4327	1241	3894	890	3461	765	3029	640	2596	515	2404	459	1731	305	1298	225	865	181	577	156
39		4269	1258	3842	902	3415	775	2988	648	2561	522	2372	465	1708	309	1281	228	854	183	569	159
40		4211	1275	3790	914	3369	786	2948	657	2527	529	2340	472	1685	313	1263	231	842	185	562	161
41		4154	1292	3738	927	3323	796	2907	666	2492	536	2307	478	1661	317	1246	234	831	188	554	163
42		4096	1309	3686	939	3277	807	2867	675	2457	543	2275	484	1638	322	1229	237	819	190	546	165
43		4038	1326	3634	951	3230	817	2827	684	2423	550	2243	490	1615	326	1211	240	808	193	538	167
44		3980	1344	3582	963	3184	828	2786	692	2388	557	2211	497	1592	330	1194	243	796	195	531	169
45		3923	1361	3530	976	3138	838	2746	701	2354	564	2179	503	1569	334	1177	246	785	198	523	172
46		3865	1378	3478	988	3092	849	2705	710	2319	571	2147	509	1546	338	1159	249	773	200	515	174

Heating		Parts Load (%)																							
Outdoor Temperature DB (°C)	100 (Max)	90		80		70		60		48 (Rated)		40		30		20		10		9					
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P					
-30	2900	1400	2610	1050	2320	910	2030	770	1740	630	1159	365	971	285	728	216	486	147	243	101	218	96			
-29	3100	1460	2790	1095	2480	949	2170	803	1860	657	1239	381	1038	297	778	225	519	153	259	106	234	100			
-28	3300	1520	2970	1140	2640	988	2310	836	1980	684	1319	397	1105	309	829	234	552	159	276	110	249	105			
-27	3500	1580	3150	1185	2800	1027	2450	869	2100	711	1399	412	1172	322	879	244	586	165	293	114	264	109			
-26	3700	1640	3330	1230	2960	1066	2590	902	2220	738	1479	428	1239	334	929	253	619	172	310	119	279	113			
-25	3900	1700	3510	1275	3120	1105	2730	935	2340	765	1559	444	1306	346	979	262	653	178	326	123	294	117			
-24	4020	1750	3618	1313	3216	1138	2814	963	2412	788	1607	457	1346	356	1010	270	673	183	337	127	303	120			
-23	4140	1800	3726	1351	3312	1170	2898	990	2484	810	1655	470	1386	366	1040	277	693	188	347	130	312	124			
-22	4260	1850	3834	1388	3408	1203	2982	1018	2556	833	1703	483	1426	377	1070	285	713	194	357	134	321	127			
-21	4380	1900	3942	1426	3504	1235	3066	1045	2628	855	1751	496	1467	387	1100	293	733	199	367	138	330	131			
-20	4500	1950	4050	1463	3600	1268	3150	1073	2700	878	1799	509	1507	397	1130	301	753	204	377	141	339	134			
-19	4580	1980	4122	1486	3664	1288	3206	1089	2748	891	1831	517	1534	403	1150	305	767	207	383	143	345	136			
-18	4660	2010	4194	1508	3728	1307	3262	1106	2796	905	1863	525	1560	409	1170	310	780	210	390	146	351	138			
-17	4740	2040	4266	1531	3792	1327	3318	1122	2844	918	1895	533	1587	415	1190	314	794	214	397	148	357	140			
-16	4820	2070	4338	1553	3856	1346	3374	1139	2892	932	1927	540	1614	421	1210	319	807	217	403	150	363	142			
-15	4900	2100	4410	1576	3920	1366	3430	1156	2940	945	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-14	4960	2120	4464	1591	3968	1379	3496	1169	2960	929	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-13	5020	2140	4518	1606	4016	1392	3548	1182	3020	938	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-12	5080	2160	4572	1621	4064	1405	3594	1195	3040	947	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-11	5140	2180	4626	1636	4112	1418	3642	1208	3080	955	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-10	5200	2200	4680	1651	4160	1431	3690	1221	3120	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-9	5250	2183	4725	1638	4200	1420	3706	957	3160	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-8	5300	2167	4770	1626	4240	1409	3718	906	3200	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-7	5350	2150	4815	1613	4280	1398	3730	855	3240	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-6	5400	2133	4860	1601	4320	1387	3764	804	3280	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-5	5450	2117	4905	1588	4360	1376	3812	753	3320	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-4	5500	2100	4950	1576	4400	1366	3860	702	3360	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-3	5550	2083	4995	1563	4440	1355	3910	651	3400	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-2	5600	2067	5040	1551	4480	1344	3960	600	3440	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
-1	5650	2050	5085	1538	4520	1333	4010	549	3480	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
0	5700	2033	5130	1526	4560	1322	4060	498	3520	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
1	5750	2017	5175	1513	4600	1311	4110	447	3560	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
2	5800	2000	5220	1501	4640	1300	4160	396	3600	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
3	5852	2011	5267	1509	4682	1307	4210	345	3650	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
4	5905	2021	5314	1517	4724	1314	4260	294	3700	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
5	5957	2032	5361	1525	4766	1321	4310	243	3750	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
6	6027	2043	5408	1533	4808	1328	4360	192	3800	964	1959	548	1641	427	1231	324	820	220	410	152	369	144			
7	6070	1800	6030	1351	5360	1170	4690	990	4020	810	3200	590	2680	460	2010	348	1340	237	670	164	603	155			
8	6873	1828	6186	1371	5498	1189	4811	1006	4124	823	3282	599	2749	467	2062	354	1375	240	687	166	619	158			
9	7046	1856	6341	1392	5637	1207	4932	1021	4227	835	3365	608	2818	474	2114	359	1409	244	705	169	634	160			
10	7219	1884	6497	1413	5775	1225	5053	1036	4331	848	3448	617	2887	481	2166	365	1444	248	722	171	650	163			
11	7392	1911	6652	1434	5913	1243	5174	1052	4435	861	3530	627	2957	488	2217	370	1478	251	739	174	665	165			
12	7565	1939	6808	1455	6052	1261	5295	1067	4539	873	3613	636	3026	496	2269	375	1513	255	756	176	681	167			
13	7737	1967	6964	1476	6190	1279	5416	1082	4642	886	3695	645	3095	503	2321	381	1547	259	774	179	696	170			
14	7910	1995	7119	1497	6328	1297	5537	1098	4746	898	3778	654	3164	510	2373	386	1582	262	791	181	712	172			
15	8083	2023	7275	1518	6467	1315	5658	1113	4850	911	3861	663	3233	517	2425	391	1617	266	808	184	727	175			
16	8256	2051	7431	1539	6605	1334	5779	1128	4954	923	3943	672	3302	524	2477	397	1651	270	826	187	743	177			
17	8429	2079	7586	1560	6743	1352	5900	1144	5057	936	4026	681	3372	531	2529	402	1686	273	843	189	759	179			
18	8602	2107	7742	1581	6882	1370	6021	1159	5161	948	4108	690	3441	538	2581	408	1720	277	860	192	774	182			
19	8775	2134	7897	1601	7020	1388	6142	1174	5265	961	4191	700	3510	545	2632	413	1755	281	877	194	790	184			
20	8948	2162	8053	1622	7158	1406	6263	1190	5369	973	4273	709	3579	553	2684	418	1790	284	895	197	805	187			
21	9121	2190	8209	1643	7297	1424	6384	1205	5472	986	4356	718	3648	560	2736	424	1824	288	912	199	821	189			
22	9294	2218	8364	1664	7435	1442	6505	1220	5576	999	4439	727	3717	567	2788	429	1859	292	929	202	836	191			
23	9466	2246	8520	1685	7573	1460	6627	1236	5680	1011	4521	736	3787	574	2840	435	1893	295	947	204	852	194			
24	9639	2274	8675	1706	7711	1479	6748	1251	5784	1024	4604	745	3856	581	2892	440	1928	299	964	207	868	196			

Single Split Type

Indoor: RAS-B35S4KV(P,D)G-ND
Outdoor: RAS-35S4AVPG-ND

Operation range	Cooling		Heating	
	Q	P	Q	P
MINIMUM	W 720	160	720	160
RATING	W 3500	740	4000	790
MAXIMUM	W 5500	1800	7700	2600

Q : Capacity (W)
P : Power consumption (W)

Cooling		Parts Load (%)																				P : Power consumption (W)	
Outdoor Temperature DB (°C)	100 (Max)		90		80		70		63 (Rated)		50		40		30		20		10				
	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P			
20	6559	1413	5903	971	5247	823	4591	675	4174	581	3279	376	2624	286	1968	204	1312	157	859	126			
21	6488	1439	5839	989	5191	838	4542	687	4129	592	3244	383	2595	291	1946	207	1298	160	849	128			
22	6418	1465	5776	1007	5134	853	4492	700	4084	602	3209	389	2567	296	1925	211	1284	163	840	130			
23	6347	1490	5712	1025	5078	868	4443	712	4039	613	3174	396	2539	301	1904	215	1269	166	831	132			
24	6276	1516	5649	1042	5021	883	4393	724	3994	623	3138	403	2511	307	1883	218	1255	169	822	135			
25	6206	1542	5585	1060	4965	898	4344	737	3949	634	3103	410	2482	312	1862	222	1241	172	812	137			
26	6135	1568	5522	1078	4908	913	4295	749	3904	645	3068	417	2454	317	1841	226	1227	175	803	139			
27	6065	1594	5458	1096	4852	929	4245	761	3859	655	3032	424	2426	322	1819	230	1213	178	794	142			
28	5994	1619	5395	1113	4795	944	4196	774	3814	666	2997	431	2398	327	1798	233	1199	180	785	144			
29	5924	1645	5331	1131	4739	959	4146	786	3770	676	2962	437	2369	333	1777	237	1185	183	775	146			
30	5853	1671	5268	1149	4682	974	4097	798	3725	687	2926	444	2341	338	1756	241	1171	186	766	149			
31	5782	1697	5204	1167	4626	989	4048	811	3680	698	2891	451	2313	343	1735	244	1156	189	757	151			
32	5712	1723	5141	1184	4569	1004	3998	823	3635	708	2856	458	2285	348	1714	248	1142	192	748	153			
33	5641	1748	5077	1202	4513	1019	3949	835	3590	719	2821	465	2256	353	1692	252	1128	195	738	155			
34	5571	1774	5014	1220	4456	1034	3899	848	3545	729	2785	472	2228	359	1671	256	1114	198	729	158			
35	5500	1800	4950	1237	4400	1049	3850	860	3500	740	2750	479	2200	364	1650	259	1100	201	720	160			
36	5429	1826	4886	1255	4344	1064	3801	872	3455	751	2715	485	2172	369	1629	263	1086	203	711	162			
37	5359	1852	4823	1273	4287	1079	3751	885	3410	761	2679	492	2144	374	1608	267	1072	206	702	165			
38	5288	1877	4759	1291	4231	1094	3702	897	3365	772	2644	499	2115	380	1586	270	1058	209	692	167			
39	5218	1903	4696	1308	4174	1109	3652	909	3320	782	2609	506	2087	385	1565	274	1044	212	683	169			
40	5147	1929	4632	1326	4118	1124	3603	922	3275	793	2574	513	2059	390	1544	278	1029	215	674	171			
41	5077	1955	4569	1344	4061	1139	3554	934	3231	804	2538	520	2031	395	1523	282	1015	218	665	174			
42	5006	1981	4505	1362	4005	1154	3504	946	3186	814	2503	527	2002	400	1502	285	1001	221	655	176			
43	4935	2006	4442	1379	3948	1169	3455	959	3141	825	2468	534	1974	406	1481	289	987	224	646	178			
44	4865	2032	4378	1397	3892	1184	3405	971	3096	835	2432	540	1946	411	1459	293	973	226	637	181			
45	4794	2058	4315	1415	3835	1199	3356	983	3051	846	2397	547	1918	416	1438	296	959	229	628	183			
46	4724	2084	4251	1433	3779	1214	3307	996	3006	857	2362	554	1889	421	1417	300	945	232	618	185			

Outdoor	Parts Load (%)																							
Temperature	100 (Max)		90		80		70		60		52 (Rated)		40		30		20		10		9			
DB (°C)	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P	Q	P		
-30	3200	1450	2880	1012	2560	862	2240	712	1920	561	1496	520	1152	360	864	263	576	166	288	110	269	105		
-29	3380	1520	3042	1061	2704	903	2366	746	2028	589	1580	545	1217	378	913	276	608	174	304	115	284	110		
-28	3560	1590	3204	1109	2848	945	2492	780	2136	616	1664	570	1282	395	961	288	641	182	320	121	300	115		
-27	3740	1660	3366	1158	2992	986	2618	815	2244	643	1748	595	1346	412	1010	301	673	190	337	126	315	121		
-26	3920	1730	3528	1207	3136	1028	2744	849	2352	670	1833	620	1411	430	1058	314	706	198	353	131	330	126		
-25	4100	1800	3690	1256	3280	1070	2870	883	2460	697	1917	645	1476	447	1107	326	738	206	369	136	345	131		
-24	4220	1850	3798	1291	3376	1099	2954	908	2532	716	1973	663	1519	460	1139	335	760	211	380	140	355	134		
-23	4340	1900	3906	1326	3472	1129	3038	932	2604	736	2029	681	1562	472	1172	345	781	217	391	144	365	138		
-22	4460	1950	4014	1361	3568	1159	3122	957	2676	755	2085	699	1606	484	1204	354	803	223	401	148	375	142		
-21	4580	2000	4122	1396	3664	1189	3206	981	2748	774	2141	717	1649	497	1237	363	824	228	412	152	385	145		
-20	4700	2050	4230	1430	3760	1218	3290	1006	2820	794	2197	735	1692	509	1269	372	846	234	423	155	396	149		
-19	4800	2080	4320	1451	3840	1236	3360	1021	2880	805	2244	746	1728	517	1296	377	864	238	432	158	404	151		
-18	4900	2110	4410	1472	3920	1254	3430	1035	2940	817	2291	756	1764	524	1323	383	882	241	441	160	412	153		
-17	5000	2140	4500	1493	4000	1272	3500	1050	3000	829	2338	767	1800	532	1350	388	900	244	450	162	421	155		
-16	5100	2170	4590	1514	4080	1290	3570	1065	3060	840	2384	778	1836	539	1377	393	918	248	459	164	429	158		
-15	5200	2200	4680	1535	4164	1303	3624	1075	3120	850	2431	789	1872	547	1404	399	936	251	468	165	438	149		
-14	5320	2230	4788	1556	4248	1324	3708	1091	3192	861	2478	800	1915	554	1436	404	958	255	479	166	448	151		
-13	5440	2260	4896	1577	4332	1345	3792	1107	3264	873	2525	811	1958	561	1469	410	979	258	490	167	458	153		
-12	5560	2290	5004	1598	4416	1366	3876	1123	3330	884	2572	821	2001	569	1501	415	1001	262	500	168	468	155		
-11	5680	2320	5112	1619	4500	1387	3960	1139	3402	896	2619	832	2045	576	1534	421	1022	265	511	169	478	158		
-10	5800	2350	5220	1640	4584	1408	4044	1155	3474	907	2666	843	2088	584	1566	426	1044	268	522	167	488	160		
-9	5833	2317	5250	1617	4200	1624	3675	1341	3150	1058	2727	831	2100	576	1575	420	1050	265	525	169	491	162		
-8	5867	2283	5280	1593	4224	1601	3696	1322	3168	1043	2743	819	2112	567	1584	414	1056	261	528	171	494	164		
-7	5900	2250	5310	1570	4248	1578	3717	1303	3186	1028	2758	807	2124	559	1593	408	1062	257	531	174	496	166		
-6	5933	2217	5340	1547	4272	1554	3738	1284	3204	1013	2774	795	2136	551	1602	402	1068	253	534	176	499	168		
-5	5967	2183	5370	1523	4296	1531	3759	1264	3222	998	2789	783	2148	542	1611	396	1074	249	537	178	502	171		
-4	6000	2150	5400	1500	4320	1508	3780	1245	3240	982	2805	771	2160	534	1620	390	1080	246	540	176	505	168		
-3	6033	2117	5430	1477	4344	1484	3801	1226	3258	967	2821	759	2172	526	1629	384	1086	242	543	173	508	166		
-2	6067	2083	5460	1454	4368	1461	3822	1206	3276	952	2836	747	2184	518	1638	378	1092	238	546	171	511	163		
-1	6100	2050	5490	1430	4392	1437	3843	1187	3294	937	2852	735	2196	509	1647	372	1098	234	549	168	513	161		
0	6133	2017	5520	1407	4416	1414	3864	1168	3312	921	2867	723	2208	501	1656	366	1104	230	552	166	516	159		
1	6167	1983	5550	1384	4440	1391	3885	1148	3330	906	2883	711	2220	493	1665	360	1110	227	555	163	519	156		
2	6200	1950	5580	1361	4464	1367	3906	1129	3348	891	2899	699	2232	484	1674	354	1116	223	558	160	522	154		
3	6350	2045	5715	1427	4537	1386	3970	1144	3403	903	2946	709	2268	491	1701	358	1134	226	5615	158	575	151		
4	6501	2139	5851	1493	4610	1404	4034	1159	3458	915	2994	718	2305	497	1729	363	1153	229	573	155	629	149		
5	6651	2234	5986	1559	4683	1422	4098	1175	3512	927	3041	727	2342	504	1756	368	1171	232	573	153	683	146		
6	7501	2534	6751	1768	6001	1521	5251	1256	4501	991	3897	778	3001	539	2250	393	1500	248	750	150	701	144		
7	7700	2600	6930	1814	6160	1545	5390	1276	4620	1000	4000	790	3080	547	2310	400	1540	252	770	167	720	160		
8	7899	2640	7109	1842	6319	1569	5529	1296	4739	1027	4103	802	3159	556	2370	406	1580	256	790	152	739	146		
9	8097	2681	7288	1870	6478	1593	5668	1315	4858	1038	4206	814	3239	564	2429	412	1619	259	810	157	757	151		
10	8296	2721	7467	1899	6637	1617	5807	1335	4978	1053	4310	827	3318	573	2489	418	1659	263	830	162	776	155		
11	8495	2761	7645	1927	6796	1641	5946	1355	5097	1069	4413	839	3398	581	2548	424	1699	267	849	164	794	158		
12	8694	2801	7824	1955	6955	1665	6085	1375	5216	1085	4516	851	3477	590	2608	430	1739	271	869	167	813	160		
13	8892	2842	8003	1983	7114	1689	6225	1394	5335	1100	4619	863	3557	598	2668	437	1778	275	889	170	831	162		
14	9091	2882	8182	2011	7273	1713	6364	1414	5455	1116	4723	876	3636	607	2727	443	1818	279	909	172	850	165		
15	9290	2922	8361	2039	7432	1736	6503	1434	5574	1131	4826	888	3716	615	2787	449	1858	283	929	175	869	167		
16	9491	2950	8515	2058	7591	1760	6642	1454	5693	1147	4929	900	3795	624	2847	455	1898	287	949	177	887	170		
17	9687	3003	8718	2095	7750	1784	6781	1474	5812	1163	5032	912	3875	632	2906	461	1937	291	969	180	906	172		
18	9886	3043	8897	2123	7909	1808	6920	1493	5931	1178	5135	925	3954	641	2966	468	1977	295	989	183	924	175		
19	10030	3059	9027	2135	8068	1832	7059	1513	6051	1194	5239	937	4034	649	3025	474	2017	298	1008	185	943	177		
20	10137	3059	9123	2135	8227	1856	7198	1533	6170	1209	5342	949	4113	658	3085	480	2057	302	1028	188	962	180		
21	10243	3059	9218	2135	8386	1880	7337	1552	6289	1225	5445	961	4193	666	3145	486	2096	306	1048	190	980	182		
22	10347	3059	9313	2135	8545	1904	7476	1572	6408	1241	5548	973	4272	675	3204	492	2136	310	1068	193	999	185		
23	10451	3059	9406	2135	8703	1928	7616	1592	6528	1256	5652	986	4352	683	3264	499	2176	314	1088	195	1017	187		
24	10553	3059	9498	2135	8862	1952	7755	1612	6647	1272	5755	998	4431	692	3323	505	2216	318	1108	198	1036	190		

10. Performance Characteristic

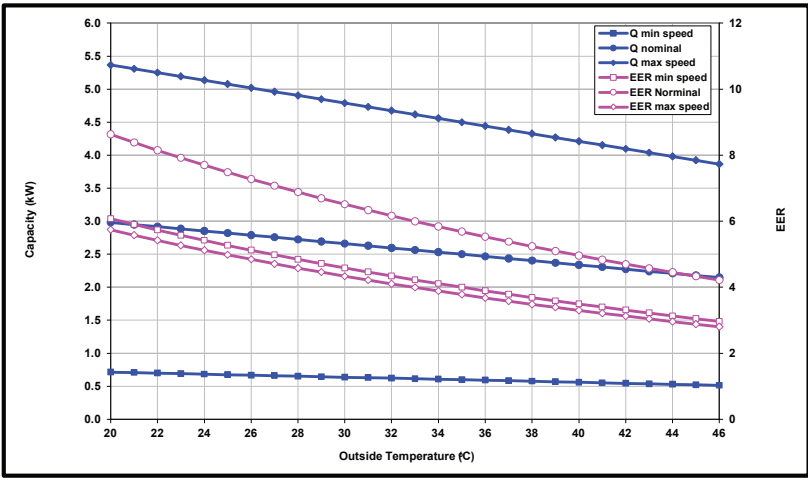
Model : RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND

Product specification :

Condition	Capacity (kW)	Power (kW)	EER/COP
Cooling JIS	Min 0.60	0.15	4.00
In: 27 °C DB/19°C WB	Rated 2.50	0.44	5.68
Out: 35°C DB/24°C WB	Max 4.50	1.19	3.78
Heating JIS	Min 0.56	0.15	3.73
In: 20 °C DB/15°C WB	Rated 3.20	0.59	5.42
Out: 7 °C DB/6°C WB	Max 6.70	1.80	3.72
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 5.80	2.00	2.90
Out: 2 °C DB/1°C WB			
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 5.20	2.20	2.36
Out: -10°C DB			
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 4.90	2.10	2.33
Out: -15°C DB			
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 4.50	1.95	2.31
Out: -20°C DB			
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 3.90	1.70	2.29
Out: -25°C DB			
Heating Low Temp.			
In: 20 °C DB/15°C WB	Max 2.90	1.40	2.07
Out: -30°C DB			

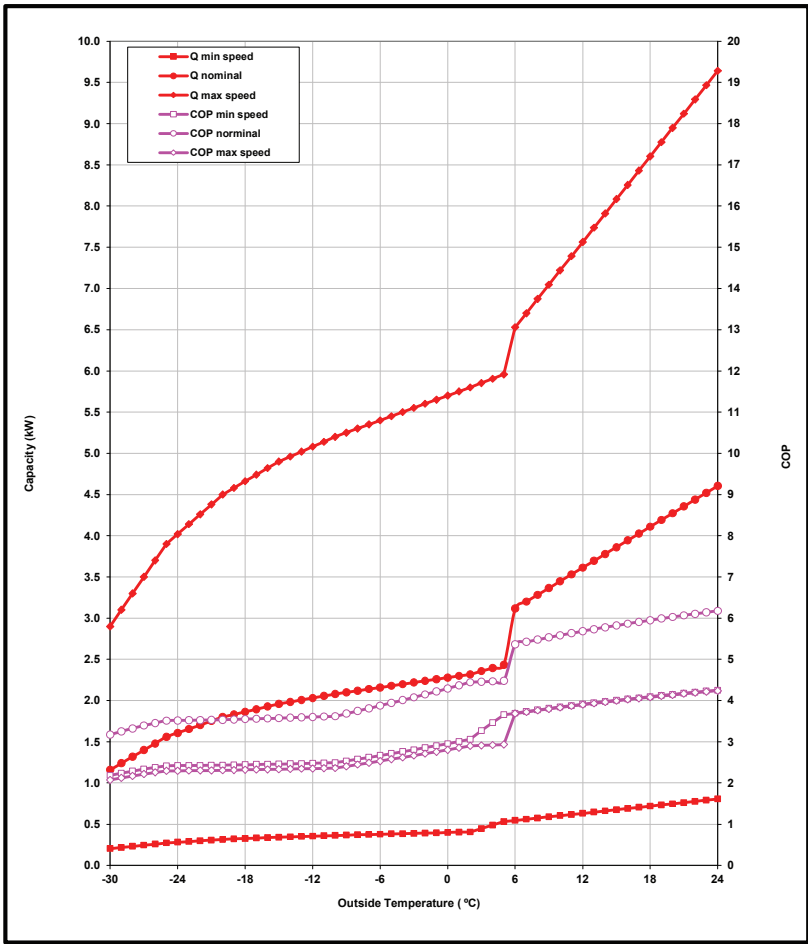
Cooling performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	0.72	0.12	6.08	2.98	0.35	8.63	5.37	0.93	5.74
21	0.71	0.12	5.90	2.95	0.35	8.39	5.31	0.95	5.58
22	0.70	0.12	5.74	2.92	0.36	8.15	5.25	0.97	5.42
23	0.69	0.12	5.57	2.89	0.36	7.92	5.19	0.99	5.27
24	0.68	0.13	5.42	2.85	0.37	7.70	5.14	1.00	5.12
25	0.68	0.13	5.27	2.82	0.38	7.48	5.08	1.02	4.98
26	0.67	0.13	5.12	2.79	0.38	7.28	5.02	1.04	4.84
27	0.66	0.13	4.98	2.76	0.39	7.08	4.96	1.05	4.71
28	0.65	0.13	4.85	2.72	0.40	6.88	4.90	1.07	4.58
29	0.65	0.14	4.71	2.69	0.40	6.70	4.85	1.09	4.46
30	0.64	0.14	4.59	2.66	0.41	6.51	4.79	1.10	4.33
31	0.63	0.14	4.46	2.63	0.41	6.34	4.73	1.12	4.22
32	0.62	0.14	4.34	2.60	0.42	6.17	4.67	1.14	4.10
33	0.62	0.15	4.22	2.56	0.43	6.00	4.62	1.16	3.99
34	0.61	0.15	4.11	2.53	0.43	5.84	4.56	1.17	3.89
35	0.60	0.15	4.00	2.50	0.44	5.68	4.50	1.19	3.78
36	0.59	0.15	3.89	2.47	0.45	5.53	4.44	1.21	3.68
37	0.58	0.15	3.79	2.44	0.45	5.38	4.38	1.22	3.58
38	0.58	0.16	3.69	2.40	0.46	5.24	4.33	1.24	3.49
39	0.57	0.16	3.59	2.37	0.47	5.10	4.27	1.26	3.39
40	0.56	0.16	3.49	2.34	0.47	4.96	4.21	1.28	3.30
41	0.55	0.16	3.40	2.31	0.48	4.83	4.15	1.29	3.21
42	0.55	0.17	3.31	2.28	0.48	4.70	4.10	1.31	3.13
43	0.54	0.17	3.22	2.24	0.49	4.57	4.04	1.33	3.04
44	0.53	0.17	3.13	2.21	0.50	4.45	3.98	1.34	2.96
45	0.52	0.17	3.05	2.18	0.50	4.33	3.92	1.36	2.88
46	0.52	0.17	2.97	2.15	0.51	4.22	3.86	1.38	2.81



Heating performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COF (-)	Capacity (kW)	Power (kW)	COF (-)	Capacity (kW)	Power (kW)	COF (-)
-30	0.20	0.09	2.18	1.16	0.37	3.17	2.90	1.40	2.07
-29	0.22	0.10	2.24	1.24	0.38	3.25	3.10	1.46	2.12
-28	0.23	0.10	2.29	1.32	0.40	3.32	3.30	1.52	2.17
-27	0.24	0.10	2.34	1.40	0.41	3.39	3.50	1.58	2.22
-26	0.26	0.11	2.38	1.48	0.43	3.46	3.70	1.64	2.26
-25	0.27	0.11	2.42	1.56	0.44	3.51	3.90	1.70	2.29
-24	0.28	0.12	2.42	1.61	0.46	3.52	4.02	1.75	2.30
-23	0.29	0.12	2.42	1.66	0.47	3.52	4.14	1.80	2.30
-22	0.30	0.12	2.43	1.70	0.48	3.53	4.26	1.85	2.30
-21	0.31	0.13	2.43	1.75	0.50	3.53	4.38	1.90	2.31
-20	0.31	0.13	2.43	1.80	0.51	3.53	4.50	1.95	2.31
-19	0.32	0.13	2.44	1.83	0.52	3.54	4.58	1.98	2.31
-18	0.33	0.13	2.44	1.86	0.52	3.55	4.66	2.01	2.32
-17	0.33	0.14	2.45	1.90	0.53	3.56	4.74	2.04	2.32
-16	0.34	0.14	2.45	1.93	0.54	3.57	4.82	2.07	2.33
-15	0.34	0.14	2.46	1.96	0.55	3.57	4.90	2.10	2.33
-14	0.35	0.14	2.47	1.98	0.55	3.58	4.96	2.12	2.34
-13	0.35	0.14	2.47	2.01	0.56	3.59	5.02	2.14	2.35
-12	0.36	0.14	2.48	2.03	0.56	3.60	5.08	2.16	2.35
-11	0.36	0.14	2.49	2.05	0.57	3.61	5.14	2.18	2.36
-10	0.36	0.15	2.49	2.08	0.57	3.62	5.20	2.20	2.36
-9	0.37	0.14	2.53	2.10	0.57	3.68	5.25	2.18	2.40
-8	0.37	0.14	2.58	2.12	0.57	3.75	5.30	2.17	2.45
-7	0.37	0.14	2.62	2.14	0.56	3.81	5.35	2.15	2.49
-6	0.38	0.14	2.67	2.16	0.56	3.88	5.40	2.13	2.53
-5	0.38	0.14	2.71	2.18	0.55	3.94	5.45	2.12	2.57
-4	0.38	0.14	2.76	2.20	0.55	4.01	5.50	2.10	2.62
-3	0.39	0.14	2.81	2.22	0.54	4.08	5.55	2.08	2.66
-2	0.39	0.14	2.86	2.24	0.54	4.15	5.60	2.07	2.71
-1	0.40	0.14	2.91	2.26	0.54	4.22	5.65	2.05	2.76
0	0.40	0.13	2.96	2.28	0.53	4.29	5.70	2.03	2.80
1	0.40	0.13	3.01	2.30	0.53	4.37	5.75	2.02	2.85
2	0.41	0.13	3.06	2.32	0.52	4.44	5.80	2.00	2.90
3	0.45	0.14	3.27	2.36	0.53	4.45	5.85	2.01	2.91
4	0.49	0.14	3.47	2.39	0.54	4.47	5.90	2.02	2.92
5	0.53	0.15	3.65	2.43	0.54	4.48	5.96	2.03	2.93
6	0.55	0.15	3.69	3.12	0.58	5.37	6.53	1.77	3.68
7	0.56	0.15	3.73	3.20	0.59	5.42	6.70	1.80	3.72
8	0.57	0.15	3.77	3.28	0.60	5.48	6.87	1.83	3.76
9	0.59	0.15	3.81	3.37	0.61	5.53	7.05	1.86	3.80
10	0.60	0.16	3.84	3.45	0.62	5.58	7.22	1.88	3.83
11	0.62	0.16	3.88	3.53	0.63	5.63	7.39	1.91	3.87
12	0.63	0.16	3.91	3.61	0.64	5.68	7.56	1.94	3.90
13	0.65	0.16	3.94	3.70	0.64	5.73	7.74	1.97	3.93
14	0.66	0.17	3.98	3.78	0.65	5.78	7.91	2.00	3.96
15	0.68	0.17	4.01	3.86	0.66	5.82	8.08	2.02	4.00
16	0.69	0.17	4.04	3.94	0.67	5.87	8.26	2.05	4.03
17	0.70	0.17	4.07	4.03	0.68	5.91	8.43	2.08	4.05
18	0.72	0.18	4.10	4.11	0.69	5.95	8.60	2.11	4.08
19	0.73	0.18	4.12	4.19	0.70	5.99	8.77	2.13	4.11
20	0.75	0.18	4.15	4.27	0.71	6.03	8.95	2.16	4.14
21	0.76	0.18	4.18	4.36	0.72	6.07	9.12	2.19	4.16
22	0.78	0.18	4.20	4.44	0.73	6.11	9.29	2.22	4.19
23	0.79	0.19	4.23	4.52	0.74	6.14	9.47	2.25	4.21
24	0.81	0.19	4.25	4.60	0.75	6.18	9.64	2.27	4.24



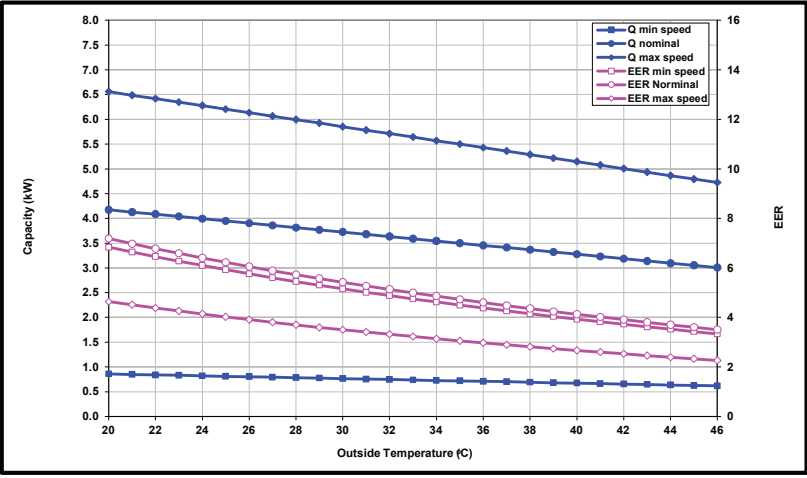
Model : RAS-B35S4KV(P,D)G-ND ; RAS-35AVPG-ND

Product specification :

Condition		Capacity (kW)	Power (kW)	EER/COP
Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°CWB	Min	0.72	0.16	4.50
	Rated	3.50	0.74	4.73
	Max	5.50	1.80	3.06
Heating JIS In: 20°C DB/15°C WE Out: 7°C DB/6°C WB	Min	0.72	0.16	4.50
	Rated	4.00	0.79	5.06
	Max	7.70	2.60	2.96
Heating Low Temp. In: 20°C DB/15°C WE Out: 2°C DB/1°C WB	Max	6.20	1.95	3.18
Heating Low Temp. In: 20°C DB/15°C WB Out: -10°C DB	Max	5.80	2.35	2.47
Heating Low Temp. In: 20°C DB/15°C WB Out: -15°C DB	Max	5.20	2.20	2.36
Heating Low Temp. In: 20°C DB/15°C WB Out: -20°C DB	Max	4.70	2.05	2.29
Heating Low Temp. In: 20°C DB/15°C WB Out: -25°C DE	Max	4.10	1.80	2.28
Heating Low Temp. In: 20°C DB/15°C WB Out: -30°C DB	Max	3.20	1.45	2.21

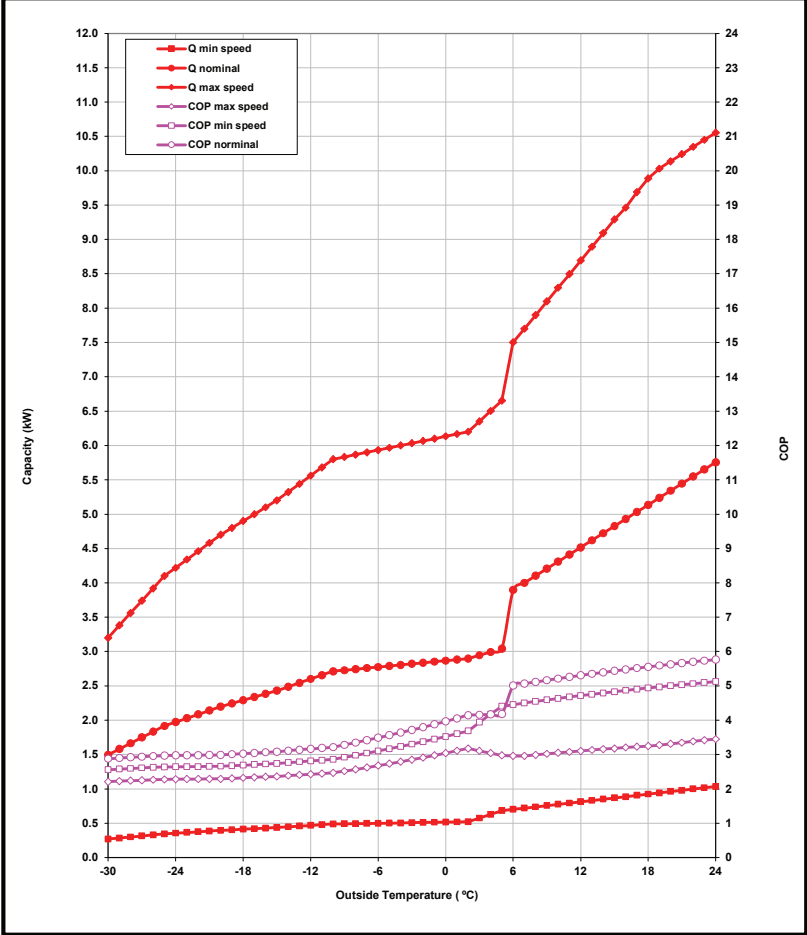
Cooling performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)	Capacity (kW)	Power (kW)	EER (-)
20	0.86	0.13	6.54	4.17	0.58	7.18	6.56	1.41	4.64
21	0.85	0.13	6.54	4.13	0.59	6.98	6.49	1.44	4.51
22	0.84	0.13	6.45	4.08	0.60	6.78	6.42	1.46	4.38
23	0.83	0.13	6.27	4.04	0.61	6.59	6.35	1.49	4.26
24	0.82	0.13	6.10	3.99	0.62	6.41	6.28	1.52	4.14
25	0.81	0.14	5.93	3.95	0.63	6.23	6.21	1.54	4.02
26	0.80	0.14	5.76	3.90	0.64	6.06	6.14	1.57	3.91
27	0.79	0.14	5.60	3.86	0.66	5.89	6.06	1.59	3.81
28	0.78	0.14	5.45	3.81	0.67	5.73	5.99	1.62	3.70
29	0.78	0.15	5.30	3.77	0.68	5.57	5.92	1.65	3.60
30	0.77	0.15	5.16	3.72	0.69	5.42	5.85	1.67	3.50
31	0.76	0.15	5.02	3.68	0.70	5.27	5.78	1.70	3.41
32	0.75	0.15	4.88	3.63	0.71	5.13	5.71	1.72	3.32
33	0.74	0.16	4.75	3.59	0.72	4.99	5.64	1.75	3.23
34	0.73	0.16	4.62	3.54	0.73	4.86	5.57	1.77	3.14
35	0.72	0.16	4.50	3.50	0.74	4.73	5.50	1.80	3.06
36	0.71	0.16	4.38	3.46	0.75	4.60	5.43	1.83	2.97
37	0.70	0.16	4.26	3.41	0.76	4.48	5.36	1.85	2.89
38	0.69	0.17	4.15	3.37	0.77	4.36	5.29	1.88	2.82
39	0.68	0.17	4.04	3.32	0.78	4.24	5.22	1.90	2.74
40	0.67	0.17	3.93	3.28	0.79	4.13	5.15	1.93	2.67
41	0.66	0.17	3.82	3.23	0.80	4.02	5.08	1.95	2.60
42	0.66	0.18	3.72	3.19	0.81	3.91	5.01	1.98	2.53
43	0.65	0.18	3.62	3.14	0.82	3.81	4.94	2.01	2.46
44	0.64	0.18	3.53	3.10	0.84	3.71	4.86	2.03	2.39
45	0.63	0.18	3.43	3.05	0.85	3.61	4.79	2.06	2.33
46	0.62	0.19	3.34	3.01	0.86	3.51	4.72	2.08	2.27



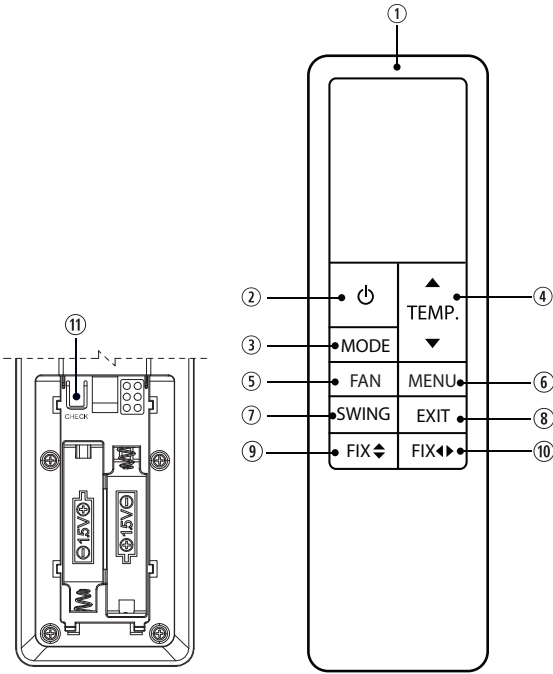
Heating performance characteristic :

Outside Temp (°C)	Min capacity			Nominal capacity			Max capacity		
	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)	Capacity (kW)	Power (kW)	COP (-)
-30	0.27	0.11	2.56	1.50	0.52	2.88	3.20	1.45	2.21
-29	0.28	0.11	2.58	1.58	0.54	2.90	3.38	1.52	2.22
-28	0.30	0.12	2.59	1.66	0.57	2.92	3.56	1.59	2.24
-27	0.31	0.12	2.61	1.75	0.60	2.94	3.74	1.66	2.25
-26	0.33	0.13	2.63	1.83	0.62	2.95	3.92	1.73	2.27
-25	0.35	0.13	2.64	1.92	0.65	2.97	4.10	1.80	2.28
-24	0.36	0.13	2.64	1.97	0.66	2.97	4.22	1.85	2.28
-23	0.37	0.14	2.65	2.03	0.68	2.98	4.34	1.90	2.28
-22	0.38	0.14	2.65	2.09	0.70	2.98	4.46	1.95	2.29
-21	0.39	0.15	2.65	2.14	0.72	2.99	4.58	2.00	2.29
-20	0.40	0.15	2.66	2.20	0.73	2.99	4.70	2.05	2.29
-19	0.40	0.15	2.67	2.24	0.75	3.01	4.80	2.08	2.31
-18	0.41	0.15	2.69	2.29	0.76	3.03	4.90	2.11	2.32
-17	0.42	0.16	2.71	2.34	0.77	3.05	5.00	2.14	2.34
-16	0.43	0.16	2.72	2.38	0.78	3.06	5.10	2.17	2.35
-15	0.44	0.16	2.74	2.43	0.79	3.08	5.20	2.20	2.36
-14	0.45	0.16	2.76	2.49	0.80	3.11	5.32	2.23	2.39
-13	0.46	0.16	2.79	2.54	0.81	3.14	5.44	2.26	2.41
-12	0.47	0.17	2.81	2.60	0.82	3.17	5.56	2.29	2.43
-11	0.48	0.17	2.84	2.66	0.83	3.19	5.68	2.32	2.45
-10	0.49	0.17	2.86	2.71	0.84	3.22	5.80	2.35	2.47
-9	0.49	0.17	2.92	2.73	0.83	3.28	5.83	2.32	2.52
-8	0.49	0.17	2.98	2.74	0.82	3.35	5.87	2.28	2.57
-7	0.50	0.16	3.04	2.76	0.81	3.42	5.90	2.25	2.62
-6	0.50	0.16	3.10	2.77	0.79	3.49	5.93	2.22	2.68
-5	0.50	0.16	3.17	2.79	0.78	3.56	5.97	2.18	2.73
-4	0.50	0.16	3.23	2.81	0.77	3.64	6.00	2.15	2.79
-3	0.51	0.15	3.30	2.82	0.76	3.72	6.03	2.12	2.85
-2	0.51	0.15	3.37	2.84	0.75	3.80	6.07	2.08	2.91
-1	0.51	0.15	3.45	2.85	0.73	3.88	6.10	2.05	2.98
0	0.52	0.15	3.52	2.87	0.72	3.97	6.13	2.02	3.04
1	0.52	0.14	3.60	2.88	0.71	4.05	6.17	1.98	3.11
2	0.52	0.14	3.68	2.90	0.70	4.15	6.20	1.95	3.18
3	0.58	0.15	3.94	2.95	0.71	4.16	6.35	2.04	3.11
4	0.63	0.15	4.18	2.99	0.72	4.17	6.50	2.14	3.04
5	0.68	0.16	4.40	3.04	0.73	4.18	6.65	2.23	2.98
6	0.70	0.16	4.45	3.90	0.78	5.01	7.50	2.53	2.96
7	0.72	0.16	4.50	4.00	0.79	5.06	7.70	2.60	2.96
8	0.74	0.16	4.55	4.10	0.80	5.11	7.90	2.64	2.99
9	0.76	0.16	4.59	4.21	0.81	5.16	8.10	2.68	3.02
10	0.78	0.17	4.63	4.31	0.83	5.21	8.30	2.72	3.05
11	0.79	0.17	4.67	4.41	0.84	5.26	8.49	2.76	3.08
12	0.81	0.17	4.72	4.52	0.85	5.31	8.69	2.80	3.10
13	0.83	0.17	4.76	4.62	0.86	5.35	8.89	2.84	3.13
14	0.85	0.18	4.79	4.72	0.88	5.39	9.09	2.88	3.15
15	0.87	0.18	4.83	4.83	0.89	5.44	9.29	2.92	3.18
16	0.89	0.18	4.87	4.93	0.90	5.48	9.46	2.95	3.21
17	0.91	0.18	4.90	5.03	0.91	5.52	9.69	3.00	3.23
18	0.92	0.19	4.94	5.14	0.92	5.55	9.89	3.04	3.25
19	0.94	0.19	4.97	5.24	0.94	5.59	10.03	3.06	3.28
20	0.96	0.19	5.00	5.34	0.95	5.63	10.14	3.06	3.31
21	0.98	0.19	5.03	5.45	0.96	5.66	10.24	3.06	3.35
22	1.00	0.20	5.07	5.55	0.97	5.70	10.35	3.06	3.38
23	1.02	0.20	5.10	5.65	0.99	5.73	10.45	3.06	3.42
24	1.04	0.20	5.13	5.75	1.00	5.77	10.55	3.06	3.45

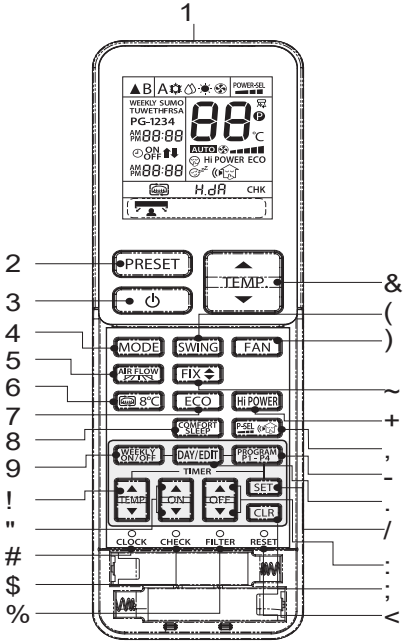


11. Accessories

Standard RC : WH-UD01UE, WH-UD02UE

Appearance	Remote control features
	① Infrared signal emitter ② Start/Stop button ③ Mode select button ④ Temperature button ⑤ Fan speed button ⑥ Menu select button ⑦ Swing louver button ⑧ Exit button ⑨ Set louver Up-Down button ⑩ Set louver Left-Right button ⑪ Check button* *Check button under battery cover

Accessory RC : RB-RXS33-E

Appearance	Remote control features
	1 Infrared signal emitter 2 Memory and Preset button (PRESET) 3 Start/Stop button 4 Mode select button (MODE) 5 Air flow/HADA CARE FLOW button 6 Fireplace/8°C button 7 ECO button 8 Comfort sleep button (COMFORT SLEEP) 9 Weekly timer (ON/OFF) ! Temp for Weekly timer " On timer button (ON) # Set clock button (CLOCK) \$ Check button (CHECK) % Filter reset button (FILTER) & Temperature button (TEMP) (Swing louver button (SWING)) Fan speed button (FAN) ~ Set louver button (FIX) + High power button (Hi POWER) , Power selection/Silent button (P-SEL/SILENT) - Program P1 - P4 . Day/Edit button / Setup button (SET) : Off timer button (OFF) ; Clear button (CLR) < Reset button (RESET)

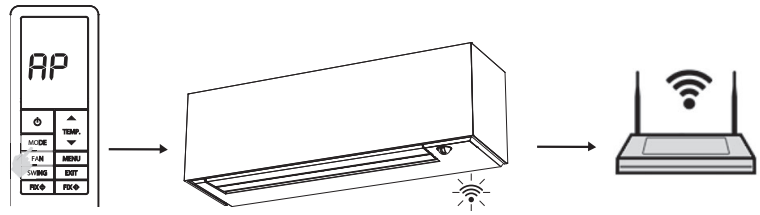
Toshiba Home AC Control application support



iOS : 9.0 or later.



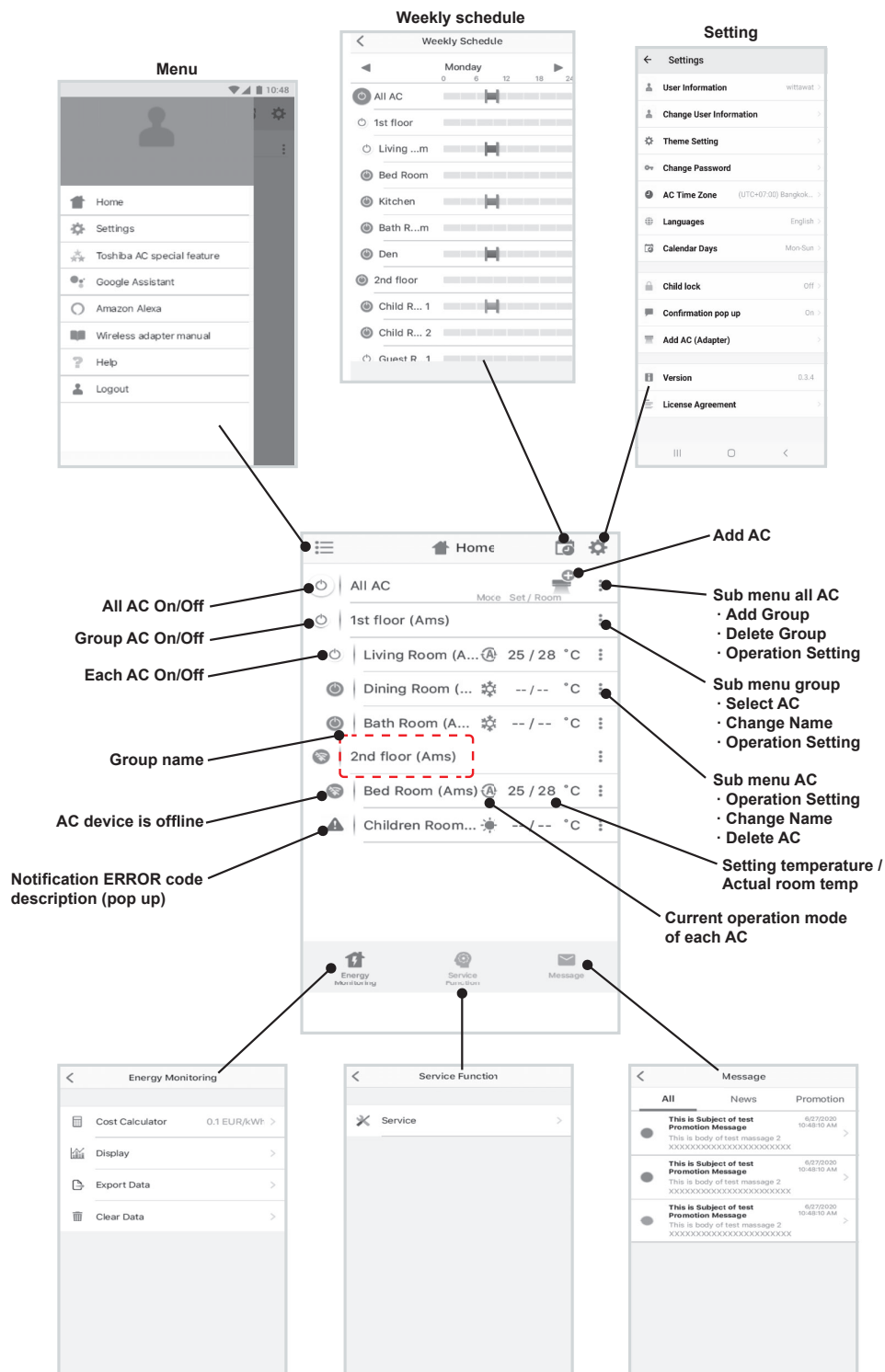
Android : Version 5.0 or later.



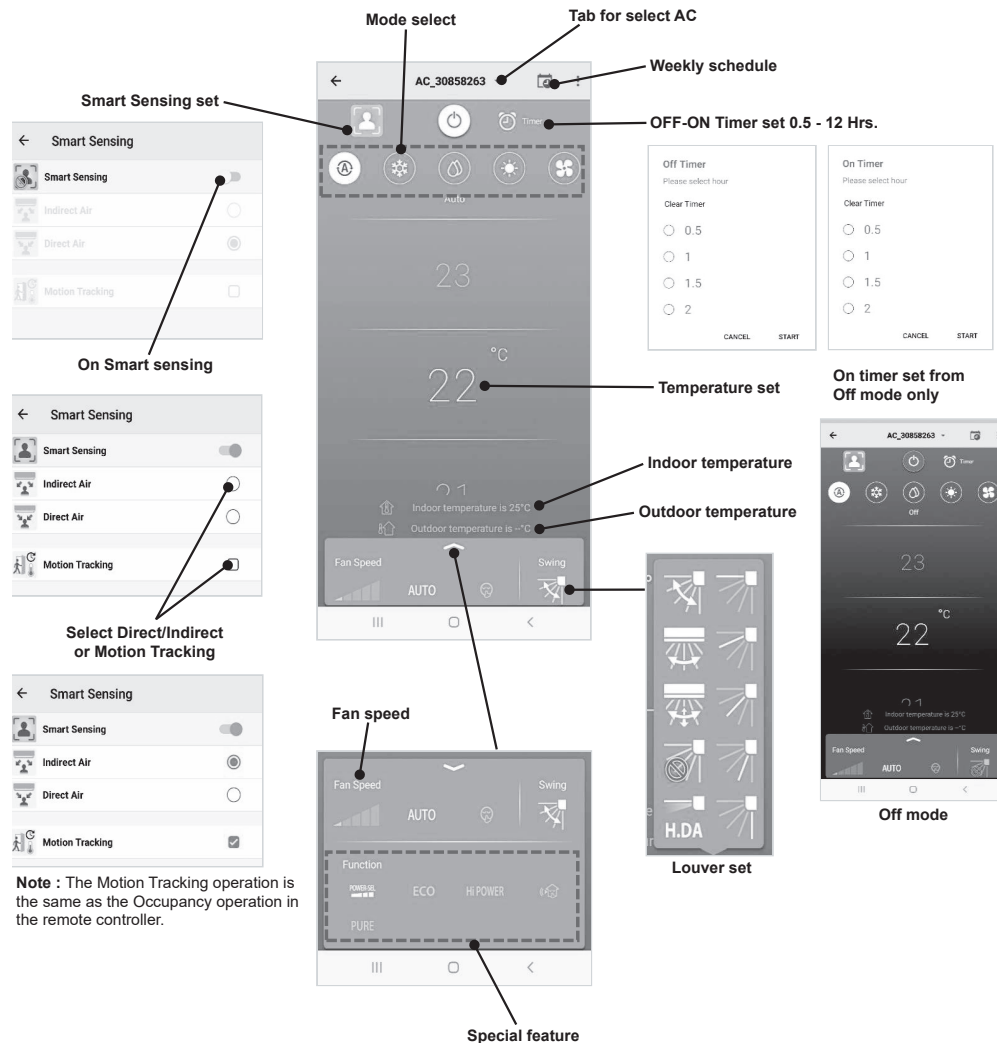
Active Wireless adapter by Remote controller.

Toshiba Home AC Control application

Home screen



Setting in operation mode



Summary features

	Model code	Strong Defrost	Smart Sensing	Pure	Hi power	Silent CDU	Power select	Eco logic	Fix vertical	Swing vertical	Fix Horizontal	Swing Horizontal	3D airflow (Swing V&H)	HADA care
Standard RC	WH-UD01UE WH-UD02UE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Option RC	RB-RXS33-E	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓
Wi-Fi App	Built-In	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓

	Model code	Preset	Fan speed	Quiet FCU	8° C	Fire place	Off timer (0.5, 1-12hrs.)	24 Hrs. on-off timer	Weekly timer	On demand defrost	FCU led Dim	Comfort sleep	Backlight display	Luminous button	Wired connect able RC
Standard RC	WH-UD01UE WH-UD02UE	✗	✓	✓	✓5-30°C	✓	✓	✗	✗	✓	✓	✗	✓	✗	✗
Option RC	RB-RXS33-E	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
Wi-Fi App	Built-In	✗	✓	✓	✓	✓	✓	✗	✓	✗	✗	✗			

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