

# HERMETIC COMPRESSORS

R 134a  
R 22  
R 404A / R 507  
R 407C  
R 600a  
R 290

Product Line

EM  
NB  
NE  
T  
J/NJ



 **Embraco** aspera

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REFRIGERANT	APPLICATION	FREQUENCY										
R 134a	LBP	50Hz										

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
EMT22HLP	3.00	0.18	191CA	220-240V 50Hz 1~	RSIR-RSCR	3.0	C	180	6.2	POE 10	7.1	15.7	158	6.2	S
EMT36HLP	3.97	0.24	192CA	220-240V 50Hz 1~	RSIR-RSCR	3.8	C	180	6.2	POE 10	7.5	16.5	166	6.5	S
EMT43HLP	4.85	0.30	192DA	220-240V 50Hz 1~	RSIR-RSCR	4.7	C	180	6.2	POE 10	7.5	16.5	166	6.5	S
EMT49HLP	5.56	0.34	192EA	220-240V 50Hz 1~	RSIR-RSCR	4.8	C	180	6.2	POE 10	7.7	17.0	166	6.5	S
EMT60HLP	6.76	0.41	192GA	220-240V 50Hz 1~	RSIR-RSCR	6.2	C	180	6.2	POE 10	7.7	17.0	166	6.5	S
NBT1114Z	6.20	0.38	297AA	220-240V 50Hz 1~	RSIR-RSCR	5.1	C	350	6.2	POE 10	10.2	22.5	187	7.4	S
NBT1116Z	7.40	0.45	298AA	220-240V 50Hz 1~	RSIR-RSCR	5.3	C	350	6.2	POE 10	10.8	23.8	200	7.9	S
NBT1118Z	8.40	0.51	298BA	220-240V 50Hz 1~	RSIR-RSCR	6.9	C	350	6.2	POE 10	10.8	23.8	200	7.9	S
NB2112Z	6.26	0.38	293IA	220-240V 50Hz 1~	CSIR	6.3	C/V	350	12.0	POE 22	9.5	20.9	177	7.0	S
NB1116Z	8.40	0.51	294SA	220-240V 50Hz 1~	RSIR-RSCR	9.5	C	350	12.0	POE 22	9.8	21.6	187	7.4	S
NB2116Z	8.40	0.51	294TA	220-240V 50Hz 1~	CSIR	8.8	C/V	350	12.0	POE 22	9.8	21.6	187	7.4	S
NB1117Z	8.40	0.51	294RN	200-240V 50Hz 1~ / 230V 60Hz 1~	RSIR	13.1	C	350	12.0	POE 22	10.3	22.7	187	7.4	S
NB3117Z	8.40	0.51	295AN	200-240V 50Hz / 230V 60Hz 1~	RSIR	13.0	C	350	12.0	POE 22	10.4	22.9	200	7.9	OC
NB1118Z	8.07	0.49	292CK	200-220V 50Hz 1~ / 230V 60Hz 1~	RSIR	13.2	C	350	12.0	POE 22	10.8	23.8	200	7.9	S
NB1118Z	8.07	0.49	294UA	220-240V 50Hz 1~	RSIR-RSCR	11.0	C	350	12.0	POE 22	10.3	22.7	187	7.4	S
NB2118Z	8.07	0.49	294VA	220-240V 50Hz 1~	CSIR	9.3	C/V	350	12.0	POE 22	10.4	22.9	187	7.4	S
NB1119Z	8.07	0.49	295BN	200-240V 50Hz 1~ / 230V 60Hz 1~	RSIR	14.4	C	350	12.0	POE 22	11.0	24.3	200	7.9	S
NB3119Z	8.07	0.49	295BN	200-240V 50Hz 1~ / 230V 60Hz 1~	RSIR	11.5	C	350	12.0	POE 22	10.4	22.9	200	7.9	OC
NE1121Z	9.27	0.57	262AA	220-240V 50Hz 1~	RSIR	14.8	C	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE3121Z	9.27	0.57	262AA	220-240V 50Hz 1~	RSIR	14.8	C	350	12.0	POE 22	11.0	24.3	200	7.9	OC
NE1121Z	9.27	0.57	262AK	200-220V 50Hz 1~ / 230V 60Hz 1~	RSIR	22.2	C	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE2121Z	9.27	0.57	262BA	220-240V 50Hz 1~	CSIR	12.6	C/V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE2121Z	9.27	0.57	263BK	200-220V 50Hz / 230V 60Hz	CSIR	15.0	C/V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE1130Z	12.12	0.74	262CA	220-240V 50Hz 1~	RSIR	16.3	C	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE3130Z	12.12	0.74	262CA	220-240V 50Hz 1~	RSIR	16.3	C	350	12.0	POE 22	11.0	24.3	200	7.9	OC
NE1130Z	12.12	0.74	263IK	200-220V 50Hz / 230V 60Hz	RSIR	22.0	C	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE2130Z	12.12	0.74	262DA	220-240V 50Hz 1~	CSIR	13.2	C/V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NE2130Z	12.12	0.74	263DK	200-220V 50Hz 1~ / 230V 60Hz 1~	CSIR	14.3	C/V	350	12.0	POE 22	11.6	25.6	200	7.9	F
NE2134Z	14.28	0.87	263CA	220-240V 50Hz 1~	CSIR	17.0	C/V	350	12.0	POE 22	11.5	25.4	206	8.1	F
NEK1121Z	9.27	0.57	269FA	220-240V 50Hz 1~	RSIR	23.0	C	350	12.0	POE 22	11.6	25.6	206	8.1	S
NEK3130Z	12.12	0.74	269CA	220-240V 50Hz 1~	RSIR	16.0	C	350	12.0	POE 22	11.6	25.6	206	8.1	OC
NEK2140Z	16.80	1.02	269GA	220-240V 50Hz 1~	CSIR		C/V	350	12.0	POE 22			206	8.1	F
T2134Z	19.04	1.16	203NV	230V 50Hz 1~	CSIR	13.0	C/V	550	20.0	POE 22	13.9	30.6	201	7.9	F
T2140Z	22.40	1.37	207HA	220-240V 50Hz 1~	CSIR	20.0	C/V	550	20.0	POE 22	14.0	30.9	221	8.7	F
T2140Z	22.40	1.37	207HK	200-220V 50Hz / 230V 60Hz	CSIR	22.5	C/V	550	20.0	POE 22	14.9	32.8	221	8.7	F
J2152Z	27.12	1.65	164LA	220-240V 50Hz 1~	CSIR	24.0	C/V	890	31.0	POE 22	20.0	44.1	265	10.4	F
NJ2152Z	27.12	1.65	144LA	220-240V 50Hz 1~	CSIR	24.0	C/V	750	26.0	POE 22	20.0	44.1	265	10.4	F

Note: Please check Test Conditions on page 30.

	Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL
				Rated Point -23.3°C										External View ref.	Wiring Diagram ref.	
		-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	-5			
W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	-5							
	54.4	47	67	74	64	62	0.40	1.19	1.02	91	121	156	196	DWG01	SM00	EMT22HLP
	45	54	73							97	128	165	207			
	54.4	74	98	108	93	85	0.60	1.27	1.09	130	169	215	269	DWG01	SM00	EMT36HLP
	45	79	105							138	179	227	284			
	54.4	91	121	133	114	102	0.70	1.31	1.13	159	206	262	326	DWG01	SM00	EMT43HLP
	45	98	129							169	218	277	345			
	54.4	103	137	151	130	114	0.80	1.32	1.14	180	232	293	362	DWG01	SM00	EMT49HLP
	45	111	145							189	243	307	381			
	54.4	120	159	175	151	151	1.00	1.16	1.00	209	272	346	431	DWG01	SM00	EMT60HLP
	45	134	176							230	296	373	462			
	54.4	103	143	159	137	112	0.40	1.42	1.22	193	253	323	403	DWG02	SM00	NBT1114Z
	45	117	156							207	268	340	423			
	54.4	127	174	193	166	127	0.50	1.51	1.30	233	303	384	477	DWG02	SM00	NBT1116Z
	45	142	189							249	321	405	501			
	54.4	150	204	225	194	151	0.60	1.49	1.28	271	352	446	554	DWG02	SM00	NBT1118Z
	45	165	220							289	371	468	579			
	54.4	102	126	139	120	127	0.90	1.09	0.94	169	220	280	348	DWG02	SM05	NB2112Z
	45		138							184	238	301	373			
	54.4	135	165	182	157	164	1.20	1.11	0.95	219	284	360	447	DWG02	SM00	NB1116Z
	45		181							238	305	383	470			
	54.4	134	157	182	157	164	1.10	1.11	0.95	212	277	353	440	DWG02	SM05	NB2116Z
	45		179							234	301	379	469			
	54.4	134	183	174	150	166	1.30	1.05	0.90	247	326	418	523	DWG02	SM00	NB1117Z
	45		179							234	301	379	469			
	54.4	129	157	174	150	156	1.20	1.12	0.96	212	277	353	440	DWG05	SM03	NB3117Z
	45		174							230	298	377	468			
	54.4	146	179	200	172	166	1.20	1.20	1.03	243	318	404	501	DWG02	SM00	NB1118Z
	45		197							261	337	427	530			
	54.4	111	124	207	178	168	1.10	1.23	1.06	199	244	321	411	DWG02	SM05	NB1118Z
	45		147							214	262	341	434			
	54.4	111	124	212	182	166	1.10	1.27	1.10	199	244	321	411	DWG02	SM05	NB2118Z
	45		147							214	262	341	434			
	54.4	146	179	200	172	166	1.20	1.20	1.03	243	318	404	501	DWG02	SM00	NB1119Z
	45		197							261	337	427	530			
	54.4	146	179	200	172	160	1.30	1.25	1.08	243	318	404	501	DWG05	SM03	NB3119Z
	45		197							261	337	427	530			
	54.4	184	229	252	217	198	1.50	1.27	1.09	303	393	497	618	DWG03	SM03	NE1121Z
	45		245							322	412	518	640			
	54.4	184	229	252	217	198	1.50	1.27	1.09	303	393	497	618	DWG05	SM03	NE3121Z
	45		245							322	412	518	640			
	54.4	184	229	252	217	198	1.50	1.27	1.09	303	393	497	618	DWG03	SM03	NE1121Z
	45		245							322	412	518	640			
	54.4	182	226	250	215	204	1.40	1.22	1.05	301	391	496	618	DWG03	SM05	NE2121Z
	45		242							319	411	519	640			
	54.4	184	229	252	217	198	1.40	1.27	1.09	303	393	497	618	DWG03	SM05	NE2121Z
	45		245							322	412	518	640			
	54.4	235	293	322	277	245	1.50	1.32	1.14	385	495	623	772	DWG03	SM03	NE1130Z
	45		313							408	520	650	800			
	54.4	235	293	322	277	245	1.50	1.32	1.14	385	495	623	772	DWG05	SM03	NE3130Z
	45		313							408	520	650	800			
	54.4	235	293	322	277	245	1.50	1.32	1.14	385	495	623	772	DWG03	SM03	NE1130Z
	45		313							408	520	650	800			
	54.4	254	313	344	296	260	2.10	1.32	1.14	409	525	660	817	DWG03	SM05	NE2130Z
	45		332							430	547	684	843			
	54.4	228	283	314	270	260	2.10	1.21	1.04	375	482	604	742	DWG03	SM05	NE2130Z
	45		299							388	495	620	763			
	54.4	263	324	356	306	291	2.30	1.22	1.05	438	556	706	880	DWG03	SM05	NE2134Z
	45		345							453	585	741	921			
	54.4	178	220	248	213	195	1.41	1.27	1.09	296	388	495	618	DWG03	SM03	NEK1121Z
	45		238							315	408	518	642			
	54.4	234	313	344	296	256	1.85	1.34	1.16	412	531	671	830	DWG05	SM03	NEK3130Z
	45		333							432	553	696	860			
	54.4	318	394	436	375	340	2.35	1.28	1.10	520	670	848	1015	DWG03	SM05	NEK2140Z
	45		420							552	710	896	1110			
	54.4	308	357	396	341	367	2.80	1.08	0.93	482	639	830	1055	DWG08	SM09	T2134Z
	45		389							512	678	887	1139			
	54.4	327	389	438	377	367	2.50	1.19	1.02	547	746	986	1266	DWG08	SM08	T2140Z
	45		434							591	799	1057	1364			
	54.4	327	389	438	377	367	2.50	1.19	1.02	547	746	986	1266	DWG08	SM08	T2140Z
	45		434							591	799	1057	1364			
	54.4	360	521	602	518	438	2.90	1.37	1.18	768	1045	1351	1687	DWG13	SM14	J2152Z
	45		551							777	1039	1335	1666			
	54.4	360	521	602	518	438	2.90	1.37	1.18	768	1045	1351	1687	DWG14	SM14	NJ2152Z
	45		551							777	1039	1335	1666			



REFRIGERANT	APPLICATION	FREQUENCY
R 134a	HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
EMT37HDP	3.40	0.21	193EA	220-240V 50Hz 1~	RSIR	4.3	C	180	6.2	POE 10	7.2	16.0	158	6.2	S
EMT45HDR	3.97	0.24	194LA	220-240V 50Hz 1~	CSIR	5.4	C/V	180	6.2	POE 10	7.7	17.0	166	6.5	S
EMT50HDP	4.50	0.27	194MA	220-240V 50Hz 1~	RSIR	6.4	C	180	6.2	POE 10	7.7	17.0	166	6.5	S
NB5132Z	5.02	0.31	293CA	220-240V 50Hz 1~	RSIR	8.3	C	350	12.0	POE 22	9.5	20.9	177	7.0	S
NB5144Z	6.05	0.37	294AA	220-240V 50Hz 1~	RSIR	11.5	C	350	12.0	POE 22	9.7	21.4	187	7.4	F
NB6144Z	6.05	0.37	294BA	220-240V 50Hz 1~	CSIR	7.5	C/V	350	12.0	POE 22	9.7	21.4	187	7.4	F
NE5160Z	8.00	0.49	261AA	220-240V 50Hz 1~	RSIR	13.4	C	350	12.0	POE 22	9.9	21.8	187	7.4	F
NE6160Z	8.00	0.49	261BA	220-240V 50Hz 1~	CSIR	10.8	C/V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE6160Z	8.00	0.49	261BN	200-240V 50Hz / 230V 60Hz 1~	CSIR	15.3	C/V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE5170Z	8.78	0.54	261CA	220-240V 50Hz 1~	RSIR	13.5	C	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE6170Z	8.78	0.54	261DA	220-240V 50Hz 1~	CSIR	11.0	C/V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE6170Z	8.78	0.54	262RN	200-240V 50Hz / 230V 60Hz 1~	CSIR	16.5	C/V	350	12.0	POE 22	10.3	22.7	200	7.9	F
NE5187Z	12.12	0.74	261EA	220-240V 50Hz 1~	RSIR	17.4	C	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE6187Z	12.12	0.74	261FA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NE6187Z	12.12	0.74	262EN	200-240V 50Hz / 230V 60Hz 1~	CSIR	16.5	C/V	350	12.0	POE 22	10.4	22.9	200	7.9	F
NE6210Z	13.54	0.83	262FA	220-240V 50Hz 1~	CSIR	17.4	C/V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NEK5144Z	5.46	0.33	267EA	220-240V 50Hz 1~	RSIR	10.0	C	350	12.0	POE 22	9.8	21.6	187	7.4	F
NEK6160Z	7.28	0.44	267BA	220-240V 50Hz 1~	CSIR	11.5	C-V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NEK6160Z	7.28	0.44	267BB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	13.5	C-V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NEK5170Z	8.40	0.51	267CA	220-240V 50Hz 1~	RSIR	14.0	C	350	12.0	POE 22	10.4	22.9	187	7.4	F
NEK6170Z	8.40	0.51	267DA	220-240V 50Hz 1~	CSIR	12.4	C-V	350	12.0	POE 22	10.4	22.9	187	7.4	F
NEK6170Z	8.40	0.51	268DB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	16.5	C-V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NEK6187Z	10.00	0.61	268AA	220-240V 50Hz 1~	CSIR	16.1	C-V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NEK6187Z	10.00	0.61	269BB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	19.3	C-V	350	12.0	POE 22	11.6	25.5	206	8.1	F
NEK6210Z	12.12	0.74	268BA	220-240V 50Hz 1~	CSIR	16.1	C-V	350	12.0	POE 22	11.0	24.3	200	7.9	F
NEK6210Z	12.12	0.74	269EB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	20.0	C-V	350	12.0	POE 22	11.6	25.5	206	8.1	F
NEK6212Z	14.30	0.87	269AA	220-240V 50Hz 1~	CSIR	19.5	C-V	350	12.0	POE 22	11.6	25.5	206	8.1	F
T6213Z	17.40	1.06	203LN	200-240V 50Hz / 230V 60Hz 1~	CSIR	23.3	C/V	550	19.0	POE 22	13.7	30.2	201	7.9	F
T6213Z	17.40	1.06	203LT	220-230V 50Hz 1~	CSIR	20.0	C/V	550	19.0	POE 22	13.7	30.2	201	7.9	F
T6215Z	20.40	1.24	206ZA	220-240V 50Hz 1~	CSIR	21.0	C/V	550	20.0	POE 22	14.2	31.3	221	8.7	F
T6215Z	20.40	1.24	206ZC	220V 50Hz 1~	CSIR	21.0	C/V	550	20.0	POE 22	14.5	32.0	221	8.7	F
T6215Z	20.40	1.24	206ZN	200-240V 50Hz / 230V 60Hz 1~	CSIR	28.8	C/V	550	20.0	POE 22	16.9	37.3	221	8.7	F
T6217Z	22.40	1.24	206TA	220-240V 50Hz 1~	CSIR	22.5	C/V	550	20.0	POE 22	16.9	37.3	221	8.7	F
J6220Z	26.20	1.60	164HA	220-240V 50Hz 1~	CSIR	35.0	C/V	890	31.0	POE 22	20.3	44.8	265	10.4	F
NJ6220Z	26.20	1.60	144HA	220-240V 50Hz 1~	CSIR	35.0	C/V	750	26.0	POE 22	20.3	44.8	265	10.4	F
J6220ZX	26.20	1.60	168HM	380-420V 50Hz / 440-480V 60Hz 3 ~	3PHASE	10.0	C/V	890	31.0	POE 22	19.6	43.2	265	10.4	F
NJ6220ZX	26.20	1.60	148HM	380-420V 50Hz / 440-480V 60Hz 3 ~	3PHASE	10.0	C/V	750	26.0	POE 22	19.6	43.2	265	10.4	F

Note: Please check Test Conditions on page 30.

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C												Drawings		MODEL		
	Subcooled conditions W												External View	Wiring Diagram			
	Rated Point +7.2°C						Cooling W	kcal/h	W. input W	Current A	EER						
-15	-10	-5	0	+5	W/W	kcal/hW					+10	ref.	ref.				
54.4																	
45	138	180	188	232	280	301	259	137	0.77	2.20	1.89	350	DWG01	SM00	EMT37HDP		
54.4																	
45	194	254	252	308	380	410	354	168	0.99	2.44	2.10	422	DWG01	SM05	EMT45HDP		
54.4																	
45	194	254	310	378	458	407	350	184	1.01	2.21	1.90	460	DWG01	SM00	EMT50HDP		
54.4																	
45	180	237	250	314	387	423	364	216	1.20	1.96	1.69	470	DWG02	SM03	NB5132Z		
54.4																	
45	238	300	302	375	455	534	459	281	1.60	1.91	1.64	543	DWG03	SM03	NB5144Z		
54.4																	
45	238	300	326	403	492	534	459	281	1.60	1.91	1.64	591	DWG03	SM05	NB6144Z		
54.4																	
45	260	341	374	492	623	686	590	299	1.80	2.30	1.98	670	DWG03	SM03	NE5160Z		
54.4																	
45	260	341	374	492	623	686	590	299	1.80	2.30	1.98	769	DWG03	SM05	NE6160Z		
54.4																	
45	270	359	391	505	636	700	602	303	2.00	2.31	1.99	907	DWG03	SM05	NE6160Z		
54.4																	
45	311	411	448	577	728	801	689	344	2.00	2.32	1.98	785	DWG03	SM03	NE5170Z		
54.4																	
45	314	411	443	570	718	789	679	344	1.90	2.32	1.98	917	DWG03	SM05	NE6170Z		
54.4																	
45	314	411	443	570	718	789	679	344	2.30	2.32	1.98	900	DWG03	SM05	NE6170Z		
54.4																	
45	454	586	637	804	997	1089	937	520	3.00	2.09	1.80	1048	DWG03	SM03	NE5187Z		
54.4																	
45	454	586	637	804	997	1089	937	520	3.00	2.09	1.80	1035	DWG03	SM05	NE6187Z		
54.4																	
45	454	586	639	809	1006	1101	947	480	2.80	2.29	1.97	1214	DWG03	SM05	NE5187Z		
54.4																	
45	513	661	748	940	1163	1240	1066	553	3.10	2.24	1.93	1400	DWG03	SM05	NE6187Z		
54.4																	
45	227	291	316	395	488	533	459	241	1.42	2.21	1.90	1214	DWG03	SM03	NE6187Z		
54.4																	
45	306	388	367	456	557	716	615	297	1.90	2.41	2.07	1416	DWG03	SM05	NE6210Z		
54.4																	
45	302	382	418	526	653	717	616	297	2.20	2.41	2.07	1595	DWG03	SM05	NEK5144Z		
54.4																	
45	343	451	491	613	756	827	711	347	2.07	2.38	2.05	799	DWG03	SM03	NEK6160Z		
54.4																	
45	366	460	503	626	767	837	720	347	2.10	2.41	2.08	913	DWG03	SM05	NEK6160Z		
54.4																	
45	366	359	502	627	772	841	723	344	2.41	2.44	2.10	922	DWG03	SM05	NEK5170Z		
54.4																	
45	414	521	576	715	884	967	832	410	2.61	2.35	2.03	1036	DWG03	SM05	NEK6170Z		
54.4																	
45	408	524	592	730	887	965	830	404	2.90	2.39	2.05	1056	DWG03	SM05	NEK6187Z		
54.4																	
45	518	631	664	828	1016	1140	980	497	2.86	2.29	1.97	1064	DWG03	SM05	NEK6187Z		
54.4																	
45	520	590	690	862	1051	1140	980	497	2.86	2.29	1.97	1077	DWG03	SM05	NEK6210Z		
54.4																	
45	558	705	793	983	1200	1292	1111	602	3.53	2.15	1.85	1221	DWG03	SM05	NEK6210Z		
54.4																	
45	558	705	620	780	995	1122	965	527	3.86	2.13	1.83	1229	DWG03	SM05	NEK6187Z		
54.4																	
45	558	705	690	862	1051	1140	980	497	2.86	2.29	1.97	1257	DWG03	SM05	NEK6210Z		
54.4																	
45	558	705	620	780	995	1122	965	527	3.86	2.13	1.83	1448	DWG03	SM05	NEK6210Z		
54.4																	
45	558	705	690	862	1051	1140	980	497	2.86	2.29	1.97	1444	DWG03	SM05	NEK6212Z		
54.4																	
45	558	705	767	960	1186	1292	1111	602	3.53	2.15	1.85	1635	DWG03	SM05	NEK6212Z		
54.4																	
45	523	736	835	1068	1335	1463	1258	677	4.30	2.16	1.86	1635	DWG08	SM09	T6213Z		
54.4																	
45	523	736	835	1068	1335	1463	1258	673	3.80	2.17	1.87	1889	DWG08	SM09	T6213Z		
54.4																	
45	682	894	979	1252	1555	1774	1526	807	4.50	2.20	1.89	1889	DWG08	SM09	T6215Z		
54.4																	
45	684	897	1003	1288	1616	1800	1548	815	4.90	2.21	1.90	1987	DWG08	SM09	T6215Z		
54.4																	
45	684	897	998	1291	1634	1800	1548	811	4.90	2.22	1.91	2026	DWG08	SM09	T6215Z		
54.4																	
45	718	973	1062	1374	1737	1913	1645	867	4.80	2.20	1.89	2342	DWG08	SM09	T6217Z		
54.4																	
45	962	1263	1275	1624	2020	2541	2185	978	5.70	2.60	2.24	2342	DWG13	SM14	J6220Z		
54.4																	
45	962	1263	1471	1881	2330	2541	2185	978	5.70	2.60	2.24	2819	DWG14	SM14	NJ6220Z		
54.4																	
45	962	1263	1471	1881	2330	2541	2185	875	1.60	2.90	2.49	3206	DWG13	SM18	J6220ZX		
54.4																	
45	962	1263	1471	1881	2330	2541	2185	875	1.60	2.90	2.49	3206	DWG14	SM18	NJ6220ZX		

REFRIGERANT	APPLICATION	FREQUENCY
R 134a	HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
J6226Z	34.37	2.10	162HA	220-240V 50Hz 1~	CSR	31.0	C/V	890	31.0	POE 22	20.1	44.3	253	10.0	F
NJ6226Z	34.37	2.10	142HA	220-240V 50Hz 1~	CSR	31.0	C/V	750	26.0	POE 22	20.1	44.3	253	10.0	F
J6226ZX	34.37	2.10	168IM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	20.2	44.5	265	10.4	F
NJ6226ZX	34.37	2.10	148IM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	20.2	44.5	265	10.4	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 22	LBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NE2125E	8.78	0.54	261IA	220-240V 50Hz 1~	CSIR	11.0	C/V	350	12.0	AB 46	10.4	22.9	187.0	7.4	F
NE2134E	12.12	0.74	263AA	220-240V 50Hz 1~	CSIR	14.8	C/V	350	12.0	AB 46	11.5	25.4	206.0	8.1	F
T2140E-	14.50	0.88	116AA	220-240V 50Hz 1~	CSIR	22.0	C/V	550	20.0	AB 46	17.1	37.7	221.0	8.7	F
T2155E	17.40	1.06	116BA	220-240V 50Hz 1~	CSR	18.0	C/V	550	20.0	AB 46	16.3	35.9	221.0	8.7	F
T2155E	17.40	1.06	116BK	200-220V 50Hz / 230V 60Hz 1~	CSR	22.0	C/V	550	20.0	AB 46	16.3	35.9	221.0	8.7	F
T2168E	20.40	1.24	116UA	220-240V 50Hz 1~	CSR	18.0	C/V	550	20.0	AB 46	16.6	36.6	221.0	8.7	F
J2178E	23.50	1.43	164GA	220-240V 50Hz 1~	CSR	26.0	C/V	890	31.0	AB 46	20.2	44.5	265.0	10.4	F
NJ2178E	23.50	1.43	144GA	220-240V 50Hz 1~	CSR	26.0	C/V	750	26.0	AB 46	20.2	44.5	265.0	10.4	F
J2190E	27.12	1.65	163NV	230V 50Hz 1~	CSR	37.0	C/V	890	31.0	AB 46	21.5	47.4	265.0	10.4	F
NJ2190E	27.12	1.65	143NV	230V 50Hz 1~	CSR	37.0	C/V	750	26.0	AB 46	21.5	47.4	265.0	10.4	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 22	HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NB6144E	4.52	0.28	294IA	220-240V 50Hz 1~	CSIR	15.3	C/V	350	12.0	AB 46	10.3	22.7	187.0	7.4	F
NB6152E	5.02	0.31	294LA	220-240V 50Hz 1~	CSIR	15.3	C/V	350	12.0	AB 46	10.5	23.1	187.0	7.4	F
NB6165E	6.05	0.37	294NA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	AB 46	10.0	22.0	187.0	7.4	F
NE6181E	7.28	0.44	262LA	220-240V 50Hz 1~	CSIR	16.5	C/V	350	12.0	AB 46	10.0	22.0	200.0	7.9	F
NE5210E	8.78	0.54	262MN	200-240V 50Hz / 230V 60Hz 1~	RSIR	17.5	C	350	12.0	AB 46	10.4	22.9	200.0	7.4	F
NE6210E	8.78	0.54	261NA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	AB 46	10.4	22.9	187.0	7.4	F
NE6211E	9.27	0.57	262HA	220-240V 50Hz 1~	CSIR	17.5	C/V	350	12.0	AB 46	10.4	22.9	200.0	7.9	F
T6217E	14.50	0.88	116TA	220-240V 50Hz 1~	CSR	18.0	C/V	550	20.0	AB 46	16.3	35.9	221.0	8.7	F
T6220E	17.40	1.06	116SA	220-240V 50Hz 1~	CSR	20.0	C/V	550	20.0	AB 46	16.9	37.3	221.0	8.7	F
T6220E	17.40	1.06	116JK	200-220V 50Hz / 230V 60Hz	CSR	31.0	C/V	550	20.0	AB 46	16.9	37.3	221.0	8.7	F

Note: Please check Test Conditions on page 30.

FREQUENCY		APPLICATION		REFRIGERANT	
50Hz		HBP		R 134a	

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL		
	Rated Point +7.2°C					Rated Point +7.2°C					External View ref.	Wiring Diagram ref.					
	-15	-10	-5	0	+5	W	kcal/h	W. input W	Current A	W/W			EER kcal/hW	+10			
54.4																	
45	1421	1791	2229	2734	3306	2969	2553	1232	6.00	2.41	2.07	3282	DWG13	SM17	J6226Z		
54.4																	
45	1421	1791	2229	2734	3306	2969	2553	1232	6.00	2.41	2.07	3945	DWG14	SM17	NJ6226Z		
54.4																	
45	1421	1791	2229	2734	3306	2969	2553	1190	2.30	2.49	2.14	3282	DWG13	SM18	J6226ZX		
54.4																	
45	1421	1791	2229	2734	3306	2969	2553	1190	2.30	2.49	2.14	3945	DWG14	SM18	NJ6226ZX		

FREQUENCY		APPLICATION		REFRIGERANT	
50Hz		LBP		R 22	

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL		
	Rated Point -23.3°C					Rated Point -23.3°C					External View ref.	Wiring Diagram ref.					
	-30	-25	W	kcal/h	W. input W	Current A	W/W	EER kcal/hW	-20	-15			-10				
54.4																	
45	226	304	293	252	278	1.50	1.06	0.91	353	401	458	582	DWG03	SM05	NE2125E		
54.4																	
45	331	441	429	369	391	2.60	1.10	0.94	518	670	843	651	DWG03	SM05	NE2134E		
54.4																	
45	348	482	496	427	420	2.90	1.18	1.01	576	737	924	517	DWG09	SM09	T2140E		
54.4																	
45	427	591	599	515	484	2.20	1.24	1.07	604	796	1023	651	DWG11	SM13	T2155E		
54.4																	
45	427	591	599	515	484	2.20	1.24	1.07	654	866	1116	517	DWG11	SM13	T2155E		
54.4																	
45	427	591	759	653	585	2.70	1.30	1.12	731	965	1241	651	DWG11	SM13	T2168E		
54.4																	
45	547	725	912	784	729	3.30	1.25	1.08	798	1049	1344	517	DWG13	SM16	J2178E		
54.4																	
45	668	918	912	784	729	3.30	1.25	1.08	1099	1425	1803	517	DWG14	SM16	NJ2178E		
54.4																	
45	668	918	1060	912	819	4.10	1.29	1.11	1099	1425	1803	517	DWG13	SM16	J2190E		
54.4																	
45	782	1078	1060	912	819	4.10	1.29	1.11	1280	1662	2104	517	DWG14	SM16	NJ2190E		
54.4																	
45	782	1078	1060	912	819	4.10	1.29	1.11	1426	1826	2279	517	DWG14	SM16	NJ2190E		

FREQUENCY		APPLICATION		REFRIGERANT	
50Hz		HBP		R 22	

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL		
	Rated Point +7.2°C					Rated Point +7.2°C					External View ref.	Wiring Diagram ref.					
	-15	-10	-5	0	+5	W	kcal/h	W. input W	Current A	W/W			EER kcal/hW	+10			
54.4																	
45	252	316	339	419	511	555	486	289	2.00	1.92	1.65	615	DWG03	SM05	NB6144E		
54.4																	
45	296	368	394	483	584	632	544	351	2.10	1.80	1.55	699	DWG03	SM05	NB6152E		
54.4																	
45	368	453	454	554	669	772	664	439	2.70	1.76	1.51	798	DWG03	SM05	NB6165E		
54.4																	
45	413	523	561	705	873	954	820	414	2.60	2.32	2.00	851	DWG03	SM05	NE6181E		
54.4																	
45	522	656	661	826	1018	1157	995	523	3.20	2.21	1.90	971	DWG03	SM03	NE5210E		
54.4																	
45	499	627	670	836	1026	1118	961	535	3.00	2.09	1.80	1063	DWG03	SM05	NE6210E		
54.4																	
45	465	686	783	968	1179	1290	1109	606	3.20	2.13	1.83	1237	DWG03	SM05	NE6211E		
54.4																	
45	678	979	1073	1388	1728	1885	1621	714	3.40	2.64	2.27	1486	DWG12	SM13	T6217E		
54.4																	
45	886	1204	1345	1682	2065	2248	1933	846	3.80	2.66	2.29	1548	DWG12	SM13	T6220E		
54.4																	
45	886	1204	1345	1682	2065	2248	1933	846	3.80	2.66	2.29	2093	DWG12	SM13	T6220E		

REFRIGERANT	APPLICATION	FREQUENCY
R 22	M/HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NE9213E	12.12	0.74	263EA	220-240V 50Hz 1~	CSR	16.0	C/V	350	12.0	AB 46	11.7	25.8	206.0	8.1	F
J9226E	21.70	1.32	164IV	230V 50Hz 1~	CSR	27.5	C/V	890	31.0	AB 46	20.5	45.2	265.0	10.4	F
NJ9226E	21.70	1.32	144IV	230V 50Hz 1~	CSR	27.5	C/V	750	26.0	AB 46	20.5	45.2	265.0	10.4	F
J9226P	21.70	1.32	168MM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	890	31.0	AB 46	22.1	48.7	265.0	10.4	F
NJ9226P	21.70	1.32	148MM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	750	26.0	AB 46	22.1	48.7	265.0	10.4	F
J9232E	26.20	1.60	163MK	200-220V 50Hz / 230V 60Hz 1~	CSR	42.5	C/V	890	31.0	AB 46	21.5	47.4	277.0	10.9	F
J9232E	26.20	1.60	163MV	230V 50Hz 1~	CSR	33.7	C/V	890	31.0	AB 46	21.5	47.4	277.0	10.9	F
NJ9232E	26.20	1.60	143MV	230V 50Hz 1~	CSR	33.7	C/V	750	26.0	AB 46	21.5	47.4	277.0	10.9	F
J9232P	26.20	1.60	167HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	AB 46	21.2	46.7	277.0	10.9	F
NJ9232P	26.20	1.60	147HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	AB 46	21.2	46.7	277.0	10.9	F
J9238E	32.70	2.00	163QV	230V 50Hz 1~	CSR	43.0	C/V	890	31.0	AB 46	21.9	48.3	277.0	10.9	F
NJ9238E	32.70	2.00	143QV	230V 50Hz 1~	CSR	43.0	C/V	750	26.0	AB 46	21.9	48.3	277.0	10.9	F
J9238P	32.70	2.00	167LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	AB 46	21.7	47.8	277.0	10.9	F
NJ9238P	32.70	2.00	147LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	AB 46	21.7	47.8	277.0	10.9	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 22	AC	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NE7213E	12.12	0.73	264CA	220-240V 50Hz 1~	PSC	13.0	C	350	12.0	MO 32	11.6	25.6	206.0	8.1	F
NE7215E	13.54	0.81	264DA	220-240V 50Hz 1~	PSC	19.0	C	350	12.0	MO 32	11.9	26.2	206.0	8.1	F
T7220F	17.40	1.06	116WA	220-240V 50Hz 1~	PSC	26.0	C	550	20.0	MO 32	15.0	33.1	221.0	8.7	F
T7223F	20.40	1.24	116DA	220-240V 50Hz 1~	PSC	30.0	C	550	20.0	MO 32	15.9	35.0	221.0	8.7	F
J7225F	21.70	1.32	162GA	220-240V 50Hz 1~	PSC	30.0	C	890	31.0	MO 32	19.3	42.5	253.0	10.0	F
NJ7225F	21.70	1.32	142GA	220-240V 50Hz 1~	PSC	30.0	C	750	26.0	MO 32	19.3	42.5	253.0	10.0	F
J7225E	21.70	1.32	162AA	220-240V 50Hz 1~	PSC	27.0	C	890	31.0	AB 46	19.3	42.5	253.0	10.0	F
J7228F	23.50	1.45	162FA	220-240V 50Hz 1~	PSC	30.0	C	890	31.0	MO 32	20.0	44.1	253.0	10.0	F
NJ7228F	23.50	1.45	142FA	220-240V 50Hz 1~	PSC	30.0	C	750	26.0	MO 32	20.0	44.1	253.0	10.0	F
J7228P	23.50	1.45	166DM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	MO 32	21.5	47.4	253.0	10.0	F
NJ7228P	23.50	1.45	146DM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	MO 32	21.5	47.4	253.0	10.0	F
J7231F	26.20	1.60	164EA	220-240V 50Hz 1~	PSC	37.0	C	890	31.0	MO 32	20.4	45.0	265.0	10.4	F
NJ7231F	26.20	1.60	144EA	220-240V 50Hz 1~	PSC	37.0	C	750	26.0	MO 32	20.4	45.0	265.0	10.4	F
J7231P	26.20	1.60	168CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	MO 32	20.1	44.3	265.0	10.4	F
NJ7231P	26.20	1.60	148CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	MO 32	20.1	44.3	265.0	10.4	F
J7238E	32.70	2.00	163AA	220-240V 50Hz 1~	PSC	51.0	C	890	31.0	MO 32	21.4	47.2	277.0	10.9	F

Note: Please check Test Conditions on page 30.

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	M/HBP	R 22

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W													Drawings		MODEL
	Rated Point +7.2°C							Cooling W	kcal/h	W. input W	Current A	EER		External View ref.	Wiring Diagram ref.	
	-20	-15	-10	-5	0	+5	W/W					kcal/hW	+10			
54.4				980	1220	1491	1620	1393	674	3.10	2.40	2.06	1792	DWG03	SM06	NE9213E
45	535	535	902	1137	1406	1711							2049			
54.4				1792	2249	2769	3018	2595	1124	5.00	2.68	2.30	3352	DWG13	SM17	J9226E
45	968	968	1647	2086	2591	3163							3800			
54.4				1792	2249	2769	3018	2595	1124	5.00	2.68	2.30	3352	DWG14	SM17	NJ9226E
45	968	968	1647	2086	2591	3163							3800			
54.4				1811	2257	2770	3018	2595	1134	2.10	2.66	2.29	3353	DWG13	SM18	J9226P
45	968	968	1647	2086	2591	3163							3800			
54.4				1811	2257	2770	3018	2595	1134	2.10	2.66	2.29	3353	DWG14	SM18	NJ9226P
45	968	968	1647	2086	2591	3163							3800			
54.4				2159	2695	3313	3611	3105	1384	6.70	2.61	2.24	4013	DWG13	SM17	J9232E
45	1158	1158	1974	2514	3142	3857							4661			
54.4				2159	2695	3313	3611	3105	1384	6.70	2.61	2.24	4013	DWG13	SM17	J9232E
45	1158	1522	1974	2514	3142	3857							4661			
54.4				2159	2695	3313	3611	3105	1384	6.70	2.61	2.24	4013	DWG14	SM17	NJ9232E
45	1158	1522	1974	2514	3142	3857							4661			
54.4				2159	2695	3313	3611	3105	1371	2.80	2.63	2.26	4013	DWG13	SM18	J9232P
45	1158	1522	1974	2514	3142	3857							4661			
54.4				2159	2695	3313	3611	3105	1371	2.80	2.63	2.26	4013	DWG14	SM18	NJ9232P
45	1158	1522	1974	2514	3142	3857							4661			
54.4				2802	3427	4131	4466	3841	1856	8.20	2.41	2.07	4914	DWG13	SM17	J9238E
45	1542	1967	2490	3112	3831	4648							5563			
54.4				2802	3427	4131	4466	3841	1856	8.20	2.41	2.07	4914	DWG14	SM17	NJ9238E
45	1542	1967	2490	3112	3831	4648							5563			
54.4				2802	3427	4131	4466	3841	1856	4.00	2.41	2.07	4914	DWG13	SM18	J9238P
45	1542	1967	2490	3112	3831	4648							5563			
54.4				2802	3427	4131	4466	3841	1856	4.00	2.41	2.07	4914	DWG14	SM18	NJ9238P
45	1542	1967	2490	3112	3831	4648							5563			

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	AC	R 22

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W											Drawings		MODEL		
	Rated Point +7.2°C							Cooling W	kcal/h	W. input W	Current A	EER			External View ref.	Wiring Diagram ref.
	0	+5	-10	-5	0	+5	W/W					kcal/hW	+10			
54.4				1223	1499	1632	1403	680	3.20	2.40	2.06	1792	2241	DWG06	SM07	NE7213E
45				1411	1717							2062	2444			
54.4				1337	1643	1790	1539	760	3.70	2.36	2.02	1987	2368	DWG06	SM07	NE7215E
45				1565	1913							2303	2736			
54.4				1682	2065	2248	1933	1033	5.10	2.18	1.87	2494	2970	DWG12	SM11	T7220F
45				1973	2369							2834	3365			
54.4				1947	2439	2678	2303	1297	6.10	2.07	1.78	3000	3630	DWG12	SM11	T7223F
45				2268	2769							3390	4133			
54.4				2017	2588	2878	2475	1132	5.40	2.54	2.18	3284	4106	DWG13	SM15	J7225F
45				2181	2788							3531	4410			
54.4				2017	2588	2878	2475	1132	5.40	2.54	2.18	3284	4106	DWG14	SM15	NJ7225F
45				2181	2788							3531	4410			
54.4				2017	2588	2878	2475	1225	6.70	2.35	2.02	3284	4106	DWG13	SM15	J7225E
45				2181	2788							3531	4410			
54.4				2325	2992	3326	2860	1321	5.80	2.52	2.17	3786	4707	DWG13	SM15	J7228F
45				2749	3471							4320	5297			
54.4				2325	2992	3326	2860	1321	5.80	2.52	2.17	3786	4707	DWG14	SM15	NJ7228F
45				2749	3471							4320	5297			
54.4				2325	2992	3326	2860	1238	2.70	2.69	2.31	3786	4707	DWG13	SM18	J7228P
45				2749	3471							4320	5297			
54.4				2325	2992	3326	2860	1238	2.70	2.69	2.31	3786	4707	DWG14	SM18	NJ7228P
45				2749	3471							4320	5297			
54.4				2726	3315	3596	3093	1460	6.80	2.46	2.12	3974	4703	DWG13	SM15	J7231F
45				3273	3940							4704	5566			
54.4				2726	3315	3596	3093	1460	6.80	2.46	2.12	3974	4703	DWG14	SM15	NJ7231F
45				3273	3940							4704	5566			
54.4				2726	3315	3596	3093	1335	3.10	2.69	2.31	3974	4703	DWG13	SM18	J7231P
45				3273	3940							4704	5566			
54.4				2726	3315	3596	3093	1335	3.10	2.69	2.31	3974	4703	DWG14	SM18	NJ7231P
45				3273	3940							4704	5566			
54.4				3328	4048	4416	3798	1959	10.30	2.25	1.94	4931	5976	DWG13	SM15	J7238E
45				4059	4844							5810	6956			



**REFRIGERANT APPLICATION FREQUENCY**  
**R 22 AC 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NJ7238E	32.70	2.00	143AA	220-240V 50Hz 1~	PSC	51.0	C	750	26.0	MO 32	21.4	47.2	277.0	10.9	F
J7238P	32.70	2.00	167AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	MO 32	20.9	46.1	277.0	10.9	F
NJ7238P	32.70	2.00	147AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	MO 32	20.9	46.1	277.0	10.9	F
J7240F	34.37	2.10	163FA	220-240V 50Hz 1~	PSC	50.0	C	890	31.0	MO 32	22.3	49.2	277.0	10.9	F
NJ7240F	34.37	2.10	143FA	220-240V 50Hz 1~	PSC	50.0	C	750	26.0	MO 32	22.3	49.2	277.0	10.9	F
J7240P	34.37	2.10	167CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	MO 32	21.4	47.2	277.0	10.9	F
NJ7240P	34.37	2.10	147CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	MO 32	21.4	47.2	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 404A / R 507 LBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NB2112GK	3.78	0.23	994BN	200-240V 50Hz / 230V 60Hz 1~	CSIR	8.8	C/V	350	12.0	POE 22	10.0	22.0	187.0	7.4	S
NB1117GK	4.52	0.28	994CN	200-240V 50Hz / 230V 60Hz 1~	RSIR	13.1	C	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NB2117GK	4.52	0.28	994DN	200-240V 50Hz / 230V 60Hz 1~	CSIR	9.8	C/V	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NB1121GK	6.05	0.37	995AN	200-240V 50Hz / 230V 60Hz 1~	RSIR	16.3	C	350	12.0	POE 22	11.1	24.5	200.0	7.9	F
NB2121GK	6.05	0.37	995BN	200-240V 50Hz / 230V 60Hz 1~	CSIR	15.0	C/V	350	12.0	POE 22	11.1	24.5	200.0	7.9	F
NE2125GK	8.78	0.54	951IA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE2134GK	12.12	0.74	953AA	220-240V 50Hz 1~	CSIR	16.4	C/V	350	12.0	POE 22	11.7	25.8	206.0	8.1	F
NEK2117GK	4.52	0.28	957BA	220-240V 50Hz 1~	CSIR	9.6	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NEK1121GK	5.45	0.33	957CA	220-240V 50Hz 1~	RSIR	15.4	C	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NEK2121GK	5.45	0.33	957DA	220-240V 50Hz 1~	CSIR	9.6	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NEK1125GK	6.20	0.38	958EA	220-240V 50Hz 1~	RSIR	20.2	C	350	12.0	POE 22	11.0	24.3	200.0	7.9	S
NEK2125GK	6.20	0.38	957EA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2130GK	7.40	0.45	958BA	220-240V 50Hz 1~	CSIR	16.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK1134GK	8.78	0.54	958DA	220-240V 50Hz 1~	RSIR	21.7	C	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK2134GK	8.78	0.54	958AA	220-240V 50Hz 1~	CSIR	16.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK1150GK	12.12	0.74	959EA	220-240V 50Hz 1~	RSIR	20.5	C	350	12.0	POE 22	11.6	25.5	206.0	8.1	F
NEK2150GK	12.12	0.74	959AA	220-240V 50Hz 1~	CSIR	19.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1	F
NEK2168GK	14.30	0.74	959FA	220-240V 50Hz 1~	CSIR	18.5	C/V	350	12.0	POE 22			206.0	8.1	F
T2155GK	14.50	0.88	936AA	220-240V 50Hz 1~	CSIR	20.0	C/V	550	20.0	POE 22	16.3	35.9	221.0	8.7	F
T2155GK-	14.50	0.88	936BA	220-240V 50Hz 1~	CSIR	22.0	C/V	550	20.0	POE 22	16.6	36.6	221.0	8.7	F
T2168GK	17.40	1.06	936CA	220-240V 50Hz 1~	CSR	18.0	C/V	550	20.0	POE 22	16.8	37.0	221.0	8.7	F
T2168GK-	17.40	1.06	936DA	220-240V 50Hz 1~	CSIR	24.5	C/V	550	20.0	POE 22	17.2	37.9	221.0	8.7	F
T2178GK	20.40	1.24	936EA	220-240V 50Hz 1~	CSR	21.0	C/V	550	20.0	POE 22	17.2	37.9	221.0	8.7	F
T2178GK-	20.40	1.24	936FA	220-240V 50Hz 1~	CSIR	30.0	C/V	550	20.0	POE 22	17.3	38.1	221.0	8.7	F
T2180GK	22.40	1.37	936HA	220-240V 50Hz 1~	CSR	28.0	C/V	550	20.0	POE 22	17.3	38.1	221.0	8.7	F
T2180GJ	22.40	1.37	936IA	220-240V 50Hz 1~	CSR	30.0	C/V	550	20.0	POE 22	17.3	38.1	221.0	8.7	F
J2192GK	26.20	1.60	964AA	220-240V 50Hz 1~	CSR	26.0	C/V	890	31.0	POE 22	20.4	45.0	265.0	10.4	F
NJ2192GK	26.20	1.60	944AA	220-240V 50Hz 1~	CSR	26.0	C/V	750	26.0	POE 22	20.4	45.0	265.0	10.4	F

Note: Please check Test Conditions on page 30.

**FREQUENCY APPLICATION REFRIGERANT**  
**50Hz AC R 22**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C											Drawings		MODEL
	Subcooled conditions W											External View	Wiring Diagram	
	Rated Point +7.2°C													
°C	0	+5	Cooling		W. input	Current	EER		+10	+15	ref.	ref.		
			W	kcal/h	W	A	W/W	kcal/h/W						
54.4	3328	4048	4416	3798	1959	10.30	2.25	1.94	4931	5976	DWG14	SM15	NJ7238E	
45	4059	4844							5810	6956				
54.4	3328	4048	4416	3798	1844	3.50	2.40	2.06	4931	5976	DWG13	SM18	J7238P	
45	4059	4844							5810	6956				
54.4	3328	4048	4416	3798	1844	3.50	2.40	2.06	4931	5976	DWG14	SM18	NJ7238P	
45	4059	4844							5810	6956				
54.4	3617	4443	4838	4161	2048	9.80	2.36	2.03	5369	6394	DWG13	SM15	J7240F	
45	3986	4919							5981	7171				
54.4	3617	4443	4838	4161	2048	9.80	2.36	2.03	5369	6394	DWG14	SM15	NJ7240F	
45	3986	4919							5981	7171				
54.4	3617	4443	4838	4161	2018	3.80	2.40	2.06	5369	6394	DWG13	SM18	J7240P	
45	3986	4919							5981	7171				
54.4	3617	4443	4838	4161	2018	3.80	2.40	2.06	5369	6394	DWG14	SM18	NJ7240P	
45	3986	4919							5981	7171				

**FREQUENCY APPLICATION REFRIGERANT**  
**50Hz LBP R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C													Drawings		MODEL
	Subcooled conditions W													External View	Wiring Diagram	
	Rated Point -23.3°C															
°C	-40	-35	-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	ref.	ref.	
					W	kcal/h	W	A	W/W	kcal/h/W						
54.4			79	118	132	114	130	0.90	1.01	0.87	161	210	264	DWG02	SM05	NB2112GK
45	38	64	97	136							182	234	292			
54.4			117	165	183	157	158	1.00	1.15	0.99	219	279	346	DWG02	SM03	NB1117GK
45	69	99	137	184							239	302	373			
54.4			114	160	178	153	162	1.10	1.09	0.94	214	274	342	DWG02	SM05	NB2117GK
45	64	95	134	181							237	300	373			
54.4			192	258	282	243	241	1.70	1.17	1.01	334	419	515	DWG02	SM03	NB1121GK
45	115	159	215	281							359	448	548			
54.4			192	258	282	243	241	1.70	1.17	1.01	334	419	515	DWG02	SM05	NB2121GK
45	115	159	215	281							359	448	548			
54.4			204	303	339	292	314	2.50	1.08	0.93	416	544	687	DWG03	SM05	NE2125GK
45	107	170	252	351							469	605	760			
54.4			283	424	476	409	388	2.60	1.23	1.06	585	765	965	DWG03	SM05	NE2134GK
45	125	236	363	508							671	850	1047			
54.4			163	214	235	202	182	1.25	1.29	1.11	278	352	438	DWG02	SM05	NEK2117GK
45	109	142	184	236							297	367	449			
54.4			198	246	265	228	223	1.43	1.19	1.02	312	392	480	DWG03	SM03	NEK1121GK
45	126	170	222	285							345	422	496			
54.4			199	259	283	243	219	1.37	1.29	1.11	334	422	523	DWG03	SM05	NEK2121GK
45	133	170	220	283							356	442	538			
54.4			225	282	310	267	254	1.83	1.22	1.05	345	405	470	DWG03	SM03	NEK1125GK
45	128	186	248	308							370	435	500			
54.4			243	314	341	293	279	2.04	1.22	1.05	398	494	603	DWG03	SM05	NEK2125GK
45	156	202	262	334							420	520	633			
54.4			279	374	398	343	303	2.18	1.31	1.13	469	588	722	DWG03	SM05	NEK2130GK
45	171	229	303	401							499	622	760			
54.4			315	415	450	388	356	2.32	1.26	1.09	532	668	822	DWG03	SM03	NEK1134GK
45	192	256	340	445							568	710	872			
54.4			327	442	464	399	358	2.35	1.30	1.11	544	679	833	DWG03	SM05	NEK2134GK
45	203	269	353	463							579	720	879			
54.4			430	550	595	512	484	3.15	1.23	1.06	680	820	970	DWG03	SM03	NEK1150GK
45	270	355	465	600							756	940	1148			
54.4			445	570	616	530	497	3.10	1.24	1.07	716	888	1086	DWG03	SM05	NEK2150GK
45	286	366	473	628							763	947	1156			
54.4			480	622	674	580	588	3.60	1.15	0.99	784	966	1170	DWG03	SM05	NEK2168GK
45	295	396	520	667							835	1028	1242			
54.4			368	524	586	504	458	2.00	1.28	1.10	717	948	1215	DWG12	SM13	T2155GK
45	220	299	420	583							789	1037	1327			
54.4			368	524	586	504	495	3.60	1.18	1.01	717	948	1215	DWG08	SM09	T2155GK-
45	220	299	420	583							789	1037	1327			
54.4			487	678	752	647	547	2.50	1.38	1.19	906	1169	1467	DWG10	SM13	T2168GK
45	293	405	558	753							988	1264	1582			
54.4			487	678	752	647	617	3.90	1.22	1.05	906	1169	1467	DWG09	SM09	T2168GK-
45	293	405	558	753							988	1264	1582			
54.4			606	827	910	783	678	3.20	1.34	1.15	1081	1368	1688	DWG11	SM13	T2178GK
45	351	496	678	897							1155	1450	1782			
54.4			606	827	910	783	758	4.90	1.20	1.03	1081	1368	1688	DWG09	SM09	T2178GK-
45	351	496	678	897							1155	1450	1782			
54.4			639	873	962	827	841	3.90	1.14	0.98	1147	1460	1813	DWG11	SM13	T2180GK
45	389	540	733	969							1246	1565	1927			
54.4			639	873	962	827	841	3.90	1.14	0.98	1147	1460	1813	DWG11	SM13	T2180GJ
45	389	540	733	969							1246	1565	1927			
54.4			752	1021	1125	968	854	4.00	1.32	1.14	1345	1725	2161	DWG13	SM16	J2192GK
45	418	629	880	1172							1503	1875	2287			
54.4			752	1021	1125	968	854	4.00	1.32	1.14	1345	1725	2161	DWG14	SM16	NJ2192GK
45	418	629	880	1172							1503	1875	2287			

**REFRIGERANT APPLICATION FREQUENCY**  
**R 404A / R 507 LBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
J2192GS	26.20	1.60	968AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	22.8	50.3	265.0	10.4	F
NJ2192GS	26.20	1.60	948AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	22.8	50.3	265.0	10.4	F
J2212GK	34.37	2.10	963BA	220-240V 50Hz 1~	CSR	36.0	C/V	890	31.0	POE 22	21.5	47.4	277.0	10.9	F
NJ2212GK	34.37	2.10	943BA	220-240V 50Hz 1~	CSR	36.0	C/V	750	26.0	POE 22	21.5	47.4	277.0	10.9	F
J2212GS	34.37	2.10	967AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	20.4	45.0	277.0	10.9	F
NJ2212GS	34.37	2.10	947AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	20.4	45.0	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 404A / R 507 MBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NB6144GK	4.52	0.28	994IA	220-240V 50Hz 1~	CSIR	15.3	C/V	350	12.0	POE 22	10.3	22.7	187.0	7.4	F
NB6152GK	5.02	0.31	994LA	220-240V 50Hz 1~	CSIR	15.3	C/V	350	12.0	POE 22	10.3	22.7	187.0	7.4	F
NB6165GK	6.05	0.37	994NA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE5181GK	7.28	0.44	952KA	220-240V 50Hz 1~	RSIR	22.2	C	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE6181GK	7.28	0.44	952LA	220-240V 50Hz 1~	CSIR	16.5	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE6181GK	7.28	0.44	952LN	200-240V 50Hz / 230V 60Hz 1~	CSIR	13.4	C/V	350	12.0	POE 22	10.9	24.0	200.0	7.9	F
NE6210GK	8.78	0.54	951NA	220-240V 50Hz 1~	CSIR	13.8	C/V	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NE9213GK	12.12	0.74	953EA	220-240V 50Hz 1~	CSR	14.1	C/V	350	12.0	POE 22	10.7	23.6	206.0	8.1	F
NEK6144GK	4.52	0.28	957GA	220-240V 50Hz 1~	CSIR	9.6	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6165GK	6.20	0.38	957IA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6181GK	7.28	0.44	957MA	220-240V 50Hz 1~	CSIR	12.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6210GK	8.78	0.54	958CA	220-240V 50Hz 1~	CSIR	10.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6213GK	12.12	0.74	959BA	220-240V 50Hz 1~	CSIR	19.3	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1	F
NEK6217GK	14.30	0.87	959GA	220-240V 50Hz 1~	CSR	21.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1	F
T6217GK	14.50	0.88	931AA	220-240V 50Hz 1~	CSIR	22.0	C/V	550	20.0	POE 22	16.6	36.6	221.0	8.7	F
T6220GK	17.40	1.06	931BA	220-240V 50Hz 1~	CSR	26.5	C/V	550	20.0	POE 22	16.7	36.8	221.0	8.7	F
T6222GK	20.40	1.25	936VA	220-240V 50Hz~	CSR	29.5	C/V	550	20.0	POE 22	16.7	36.8	221.0	8.7	F
J9226GK	21.70	1.32	964LV	230V 50Hz 1~	CSR	27.5	C/V	890	31.0	POE 22	20.8	45.9	265.0	10.4	F
NJ9226GK	21.70	1.32	944LV	230V 50Hz 1~	CSR	27.5	C/V	750	26.0	POE 22	20.8	45.9	265.0	10.4	F
J9226GS	21.70	1.32	968LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	890	31.0	POE 22	19.7	43.4	265.0	10.4	F
NJ9226GS	21.70	1.32	948LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	750	26.0	POE 22	19.7	43.4	265.0	10.4	F
J9232GK	26.20	1.60	963NA	220-240V 50Hz 1~	CSR	43.0	C/V	890	31.0	POE 22	22.1	48.7	277.0	10.9	F
NJ9232GK	26.20	1.60	943NA	220-240V 50Hz 1~	CSR	43.0	C/V	750	26.0	POE 22	22.1	48.7	277.0	10.9	F
J9232GK	26.20	1.60	963NV	230V 50Hz 1~	CSR	33.7	C/V	890	31.0	POE 22	21.6	47.6	277.0	10.9	F
J9232GS	26.20	1.60	967NM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	22.1	48.7	277.0	10.9	F
NJ9232GS	26.20	1.60	947NM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	22.1	48.7	277.0	10.9	F
J9238GK	32.70	2.00	963RV	230V 50Hz 1~	CSR	43.0	C/V	890	31.0	POE 22	22.1	48.7	277.0	10.9	F
NJ9238GK	32.70	2.00	943RV	230V 50Hz 1~	CSR	43.0	C/V	750	26.0	POE 22	22.1	48.7	277.0	10.9	F
J9238GS	32.70	2.00	967RM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	POE 22	21.7	47.8	277.0	10.9	F
NJ9238GS	32.70	2.00	947RM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	POE 22	21.7	47.8	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**FREQUENCY APPLICATION REFRIGERANT**  
**50Hz LBP R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C														Drawings		MODEL
	Subcooled conditions W														External View	Wiring Diagram	
	Rated Point -23.3°C																
°C	-40	-35	-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	ref.	ref.		
					W	kcal/h	W	A	W/W	kcal/hW							
54.4					1125	968	913	1.90	1.23	1.06	1345	1725	2161	DWG13	SM18	J2192GS	
45	418	629	752	1021	880	1172					1503	1875	2287				
54.4					1125	968	913	1.90	1.23	1.06	1345	1725	2161	DWG14	SM18	NJ2192GS	
45	418	629	880	1172							1503	1875	2287				
54.4					1477	1270	1097	5.30	1.35	1.16	1775	2273	2825	DWG13	SM16	J2212GK	
45	491	753	1085	1486							1957	2496	3106				
54.4					1477	1270	1097	5.30	1.35	1.16	1775	2273	2825	DWG14	SM16	NJ2212GK	
45	491	753	1085	1486							1957	2496	3106				
54.4					1477	1270	1139	2.00	1.30	1.12	1775	2273	2825	DWG13	SM18	J2212GS	
45	491	753	1085	1486							1957	2496	3106				
54.4					1477	1270	1139	2.00	1.30	1.12	1775	2273	2825	DWG14	SM18	NJ2212GS	
45	491	753	1085	1486							1957	2496	3106				

**FREQUENCY APPLICATION REFRIGERANT**  
**50Hz MBP R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C														Drawings		MODEL
	Subcooled conditions W														External View	Wiring Diagram	
	Rated Point +7.2°C																
°C	-20	-15	-10	-5	0	+5	Cooling		W. input	Current	EER		+10	ref.	ref.		
							W	kcal/h	W	A	W/W	kcal/hW					
54.4					459	553	598	514	320	2.10	1.87	1.61	658	DWG03	SM05	NB6144GK	
45	226	288	301	375	448	545							777				
54.4					479	535	698	600	387	2.30	1.81	1.56	769	DWG03	SM05	NB6152GK	
45	267	332	414	513	629	762							911				
54.4					641	768	828	712	488	2.90	1.70	1.46	909	DWG03	SM05	NB6165GK	
45	327	409	507	623	756	906							1074				
54.4					784	964	1049	902	468	2.90	2.24	1.93	1165	DWG03	SM03	NE5181GK	
45	361	470	604	764	949	1160							1395				
54.4					738	916	1002	862	460	2.80	2.18	1.87	1118	DWG03	SM05	NE6181GK	
45	340	444	575	731	913	1121							1354				
54.4					767	942	1025	882	468	3.00	2.19	1.88	1137	DWG03	SM05	NE6181GK	
45	356	463	596	754	938	1147							1382				
54.4					893	1082	1170	1006	591	3.30	1.98	1.70	1288	DWG03	SM05	NE6210GK	
45	415	550	708	888	1090	1315							1561				
54.4					1080	1327	1732	1490	768	3.50	2.26	1.94	1906	DWG04	SM06	NE9213GK	
45	644	833	1055	1309	1596	1914							2265				
54.4					549	660	714	614	313	1.77	2.28	1.96	786	DWG03	SM05	NEK6144GK	
45	321	371	445	539	653	787							941				
54.4					751	895	965	830	471	2.54	2.04	1.76	1059	DWG03	SM05	NEK6165GK	
45	436	512	610	734	883	1056							1253				
54.4					836	1006	1089	936	515	2.99	2.11	1.82	1200	DWG03	SM05	NEK6181GK	
45	454	553	677	826	1000	1198							1422				
54.4					999	1205	1303	1121	628	3.49	2.07	1.79	1436	DWG03	SM05	NEK6210GK	
45	566	674	815	988	1195	1435							1707				
54.4					1350	1610	1736	1493	982	5.52	1.77	1.52	1901	DWG03	SM05	NEK6213GK	
45	695	884	1093	1333	1600	1894							2215				
54.4					1630	1932	2074	1784	1010	4.86	2.05	1.77	2263	DWG03	SM06	NEK6217GK	
45	882	1075	1310	1590	1908	2270							2674				
54.4					1512	1833	1984	1706	1010	5.40	1.96	1.69	2184	DWG08	SM08	T6217GK	
45	680	922	1195	1499	1833	2198							2594				
54.4					1823	2214	2400	2064	1104	5.10	2.17	1.87	2647	DWG12	SM12	T6220GK	
45	842	1124	1444	1802	2197	2630							3101				
54.4					2233	2686	2895	2490	1318	6.20	2.20	1.89	3184	DWG12	SM12	T6222GK	
45	1074	1392	1764	2190	2670	3204							3794				
54.4					2470	2998	3249	2794	1325	5.80	2.45	2.11	3584	DWG13	SM17	J9226GK	
45	1165	1508	1922	2409	2968	3598							4300				
54.4					2470	2998	3249	2794	1325	5.80	2.45	2.11	3584	DWG14	SM17	NJ9226GK	
45	1165	1508	1922	2409	2968	3598							4300				
54.4					2470	2998	3249	2794	1300	2.40	2.50	2.15	3584	DWG13	SM18	J9226GS	
45	1165	1508	1922	2409	2968	3598							4300				
54.4					2470	2998	3249	2794	1300	2.40	2.50	2.15	3584	DWG14	SM18	NJ9226GS	
45	1165	1508	1922	2409	2968	3598							4300				
54.4					3045	3706	4021	3458	1576	7.20	2.55	2.19	4441	DWG13	SM17	J9232GK	
45	1421	1841	2354	2959	3656	4444							5325				
54.4					3045	3706	4021	3458	1576	7.20	2.55	2.19	4441	DWG14	SM17	NJ9232GK	
45	1421	1841	2354	2959	3656	4444							5325				
54.4					3045	3706	4021	3458	1673	7.70	2.40	2.06	4441	DWG13	SM17	J9232GK	
45	1421	1841	2354	2959	3656	4444							5325				
54.4					3045	3706	4021	3458	1615	2.90	2.49	2.14	4441	DWG13	SM18	J9232GS	
45	1421	1841	2354	2959	3656	4444							5325				
54.4					3045	3706	4021	3458	1615	2.90	2.49	2.14	4441	DWG14	SM18	NJ9232GS	
45	1421	1841	2354	2959	3656	4444							5325				
54.4					3697	4463	4827	4151	2109	9.60	2.29	1.97	5313	DWG13	SM17	J9238GK	
45	1845	2374	2990	3693	4481	5356							6317				
54.4					3697	4463	4827	4151	2109	9.60	2.29	1.97	5313	DWG14	SM17	NJ9238GK	
45	1845	2374	2990	3693	4481	5356							6317				
54.4					3697	4463	4827	4151	1900	4.00	2.54	2.18	5313	DWG13	SM18	J9238GS	
45	1845	2374	2990	3693	4481	5356							6317				
54.4					3697	4463	4827	4151	1900	4.00	2.54	2.18	5313	DWG14	SM18	NJ9238GS	
45	1845	2374	2990	3693	4481	5356							6317				

REFRIGERANT	APPLICATION	FREQUENCY
R 407C	AC	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NE7213GF	12.12	0.73	954CA	220-240V 50Hz 1~	PSC	13.0	C	350	12.0	POE 22	11.6	25.6	218.0	8.6	F
NE7215GF	13.54	0.81	954HA	220-240V 50Hz 1~	PSC	19.0	C	350	12.0	POE 22	11.9	26.2	218.0	8.6	F
T7220GF	17.40	1.06	936XA	220-240V 50Hz	PSC	26.0	C/V	550	20.0	POE 22	15.0	33.1	221.0	8.7	F
T7223GF	20.40	1.24	936OA	220-240V 50Hz 1~	PSC	30.0	C	550	20.0	POE 22	15.4	34.0	221.0	8.7	F
J7225GE	21.70	1.32	962AA	220-240V 50Hz 1~	PSC	30.0	C	890	31.0	POE 22	19.3	42.5	253.0	10.0	F
NJ7225GE	21.70	1.32	942AA	220-240V 50Hz 1~	PSC	30.0	C	750	26.0	POE 22	19.3	42.5	253.0	10.0	F
J7228GE	23.80	1.45	962DA	220-240V 50Hz 1~	PSC	30.0	C	890	31.0	POE 22	20.0	44.1	253.0	10.0	F
NJ7228GE	23.80	1.45	942DA	220-240V 50Hz 1~	PSC	30.0	C	750	26.0	POE 22	20.0	44.1	253.0	10.0	F
J7231GF	26.20	1.60	964EA	220-240V 50Hz 1~	PSC	37.0	C	890	31.0	POE 22	20.4	45.0	265.0	10.4	F
NJ7231GF	26.20	1.60	944EA	220-240V 50Hz 1~	PSC	37.0	C	750	26.0	POE 22	20.4	45.0	265.0	10.4	F
J7231GP	26.20	1.60	968CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	POE 22	20.1	44.3	265.0	10.4	F
NJ7231GP	26.20	1.60	948CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	POE 22	20.1	44.3	265.0	10.4	F
J7238GE	32.70	2.00	963HA	220-240V 50Hz 1~	PSC	51.0	C	890	31.0	POE 22	21.4	47.2	277.0	10.9	F
NJ7238GE	32.70	2.00	943HA	220-240V 50Hz 1~	PSC	51.0	V	750	26.0	POE 22	21.4	47.2	277.0	10.9	F
J7240GF	34.37	2.10	963FA	220-240V 50Hz 1~	PSC	50.0	C	890	31.0	POE 22	22.3	49.2	277.0	10.9	F
NJ7240GF	34.37	2.10	943FA	220-240V 50Hz 1~	PSC	50.0	C	750	26.0	POE 22	22.3	49.2	277.0	10.9	F
J7240GP	34.37	2.10	967CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	POE 22	21.4	47.2	277.0	10.9	F
NJ7240GP	34.37	2.10	947CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	POE 22	21.4	47.2	277.0	10.9	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 600a	LBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NBM1114Y	10.00	0.61	887EA	220-240V 50Hz 1~	RSIR-RSCR	6.3	C	350	12.0	MO 15	10.1	22.3	187.0	7.4	S
NBM1116Y	12.30	0.75	888AA	220-240V 50Hz 1~	RSIR-RSCR	7.1	C	350	12.0	MO 15	10.7	23.6	200.0	7.9	S
NBM1118Y	14.30	0.87	888BA	220-240V 50Hz 1~	RSIR-RSCR	8.1	C	350	12.0	MO 15	10.7	23.6	200.0	7.9	S

Note: Please check Test Conditions on page 30.

**FREQUENCY**

**APPLICATION**

**REFRIGERANT**

**50Hz**

**AC**

**R 407C**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W											Drawings		MODEL
	°C	Rated Point +7.2°C										External View	Wiring Diagram	
		0	+5	Cooling		W. input	Current	EER		+10	+15			
	W	kcal/h	W	A	W/W	kcal/hW					ref.	ref.		
54.4	1191	1472	1607	3.20	2.42	2.08	1784	2128			DWG07	SM07	NE7213GF	
45	1384	1708					2070	2471						
54.4	1286	1607	1762	3.60	2.43	2.09	1966	2366			DWG07	SM07	NE7215GF	
45	1531	1891					2292	2734						
54.4	1664	2071	2270	5.00	2.31	1.99	2523	3019			DWG12	SM11	T7220GF	
45	1972	2428					2929	3476						
54.4	1951	2428	2660	5.90	2.31	1.99	2958	3540			DWG12	SM11	T7223GF	
45	2312	2487					3434	4074						
54.4	2140	2652	2897	6.00	2.41	2.08	3216	3835			DWG13	SM15	J7225GE	
45	2523	3099					3741	4448						
54.4	2140	2652	2897	6.00	2.41	2.08	3216	3835			DWG14	SM15	NJ7225GE	
45	2523	3099					3741	4448						
54.4	2347	2908	3177	6.60	2.41	2.08	3528	4206			DWG13	SM15	J7228GE	
45	2767	3399					4102	4878						
54.4	2347	2908	3177	6.60	2.41	2.08	3528	4206			DWG14	SM15	NJ7228GE	
45	2767	3399					4102	4878						
54.4	2584	3201	3497	7.30	2.42	2.08	3884	4630			DWG13	SM15	J7231GF	
45	3047	3742					4517	5370						
54.4	2584	3201	3497	7.30	2.42	2.08	3884	4630			DWG14	SM15	NJ7231GF	
45	3047	3742					4517	5370						
54.4	2584	3201	3497	2.70	2.50	2.15	3884	4630			DWG13	SM18	J7231GP	
45	3047	3742					4517	5370						
54.4	2584	3201	3497	2.70	2.50	2.15	3884	4630			DWG14	SM18	NJ7231GP	
45	3047	3742					4517	5370						
54.4	3220	3990	4357	9.10	2.41	2.08	4840	5770			DWG13	SM15	J7238GE	
45	3797	4663					5629	6692						
54.4	3220	3990	4357	9.10	2.41	2.08	4840	5770			DWG14	SM15	NJ7238GE	
45	3797	4663					5629	6692						
54.4	3390	4200	4587	9.60	2.41	2.08	5095	6074			DWG13	SM15	J7240GF	
45	4909	5926					7044	8267						
54.4	3390	4200	4587	9.60	2.41	2.08	5095	6074			DWG14	SM15	NJ7240GF	
45	4909	5926					7044	8267						
54.4	3390	4200	4587	3.40	2.50	2.15	5095	6074			DWG13	SM18	J7240GP	
45	4909	5926					7044	8267						
54.4	3390	4200	4587	3.40	2.50	2.15	5095	6074			DWG14	SM18	NJ7240GP	
45	4909	5926					7044	8267						

**FREQUENCY**

**APPLICATION**

**REFRIGERANT**

**50Hz**

**LBP**

**R 600a**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL
	°C	Rated Point -23.3°C										External View	Wiring Diagram		
		-30	-25	Cooling		W. input	Current	EER		-20	-15			-10	
	W	kcal/h	W	A	W/W	kcal/hW							ref.	ref.	
54.4	139	132	153	0.80	1.30	1.12	184	236	295	362			DWG02	SM00	NBM1114Y
45	114	151					196	249	311	381					
54.4	176	164	191	1.00	1.34	1.15	225	285	357	440			DWG02	SM00	NBM1116Y
45	149	188					240	305	383	474					
54.4	203	190	221	1.10	1.37	1.18	260	330	412	507			DWG02	SM00	NBM1118Y
45	172	217					277	351	439	541					



**REFRIGERANT APPLICATION FREQUENCY**  
**R 600a HBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
EMT30CDP	4.50	0.27	895FA	220-240V 50Hz 1~	RSIR	3.7	C	180	6.2	MO 7	7.1	15.7	158.0	6.2	S
EMT45CDP	6.78	0.41	896DA	220-240V 50Hz 1~	RSIR	5.8	C	180	6.2	MO 7	7.5	16.5	166.0	6.5	S
NEK6144Y	10.00	0.61	861HA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	MO 32	10.4	22.9	187.0	7.4	F
NEK6160Y	12.12	0.74	861IA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	MO 32	10.4	22.9	187.0	7.4	F
NEK6170Y	14.30	0.87	861LA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	MO 32	10.4	22.9	187.0	7.4	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 290 LBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NEK2117U	4.52	0.28	861AA	220-240V 50Hz 1~	CSIR	9.6	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NEK1121U	6.20	0.38	862BA	220-240V 50Hz 1~	RSIR	15.5	C	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NEK2121U	6.20	0.38	861BA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2125U	7.28	0.44	861CA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2134U	10.00	0.61	862AA	220-240V 50Hz 1~	CSIR	13.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK1150U	13.54	0.81	863BA	220-240V 50Hz 1~	RSIR	24.3	C	350	12.0	POE 22	11.6	25.5	206.0	8.1	F
NEK2150U	13.54	0.81	863AA	220-240V 50Hz 1~	CSIR	19.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 290 HBP 50Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NEK6152U	5.45	0.33	861DA	220-240V 50Hz 1~	CSIR	9.6	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6165U	6.20	0.38	861EA	220-240V 50Hz 1~	CSIR	12.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6181U	7.28	0.44	861FA	220-240V 50Hz 1~	CSIR	12.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6210U	8.78	0.54	862CA	220-240V 50Hz 1~	CSIR	16.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F

Note: Please check Test Conditions on page 30.

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	HBP	R 600a

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL	
	Rated Point +7.2°C						Cooling W	kcal/h	W. input W	Current A	EER		External View ref.	Wiring Diagram ref.		
	-15	-10	-5	0	+5	W/W					kcal/hW	+10				
54.4							256	220	101	0.66	2.52	2.18	290	DWG01	SM00	EMT30CDP
45	112	142	162	200	242	268							320			
54.4							390	335	152	0.92	2.56	2.20	430	DWG01	SM00	EMT45CDP
45	164	209	236	290	354	392							477			
54.4							550	473	229	1.74	2.40	2.07	609	DWG03	SM05	NEK6144Y
45	234	298	330	412	505	563							676			
54.4							678	583	268	1.84	2.53	2.17	750	DWG03	SM05	NEK6160Y
45	291	370	412	510	622	694							833			
54.4							808	696	327	2.06	2.47	2.13	892	DWG03	SM05	NEK6170Y
45	354	448	496	612	744	831							994			

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	LBP	R 290

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL			
	Rated Point -23.3°C						Cooling W	kcal/h	W. input W	Current A	EER		External View ref.	Wiring Diagram ref.				
	-40	-35	-30	-25	-20	-15					-10	W/W				kcal/hW		
54.4							188	162	158	1.24	1.19	1.03	220	274	336	DWG02	SM05	NEK2117U
45	84	111	133	177	145	192							237	294	359			
54.4							276	237	209	1.54	1.32	1.13	322	399	486	DWG03	SM03	NEK1121U
45	133	167	202	257	213	271							340	421	514			
54.4							247	212	207	1.63	1.20	1.02	293	373	465	DWG03	SM05	NEK2121U
45	106	141	168	225	187	246							317	400	495			
54.4							307	272	242	1.71	1.27	1.13	370	462	571	DWG03	SM05	NEK2125U
45	171	202	230	292	250	314							394	491	603			
54.4							449	386	330	2.04	1.36	1.17	521	645	793	DWG03	SM05	NEK2134U
45	230	281	331	414	351	440							551	683	828			
54.4							601	517	460	3.19	1.30	1.12	697	859	1042	DWG03	SM03	NEK1150U
45	277	362	437	557	467	593							740	908	1097			
54.4							581	500	444	2.98	1.31	1.13	678	843	1031	DWG03	SM05	NEK2150U
45	264	333	417	536	441	576							723	898	1094			

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	HBP	R 290

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL	
	Rated Point +7.2°C						Cooling W	kcal/h	W. input W	Current A	EER		External View ref.	Wiring Diagram ref.		
	-20	-15	-10	-5	0	+5					W/W	kcal/hW				+10
54.4							720	620	284	1.72	2.53	2.18	799	DWG03	SM05	NEK6152U
45	299	361	388	473	644	771							914			
54.4							839	721	344	2.32	2.44	2.09	920	DWG03	SM05	NEK6165U
45	344	416	443	539	739	881							949			
54.4							949	816	386	2.44	2.46	2.12	1040	DWG03	SM05	NEK6181U
45	386	471	500	611	840	1011							1183			
54.4							1168	1005	459	2.75	2.55	2.19	1281	DWG03	SM05	NEK6210U
45	465	574	611	747	905	1083							1450			

REFRIGERANT	APPLICATION	FREQUENCY
R 134a	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NB1112Z	6.26	0.38	293FG	115V 60Hz / 100V 50Hz 1~	RSIR	20.0	C	350	12.0	POE 22	9.5	20.9	177.0	7.0	S
NB1116Z	8.40	0.51	294SG	115V 60Hz / 100V 50Hz 1~	RSCR	27.5	C	350	12.0	POE 22	9.8	21.6	187.0	7.4	S
NB1118Z	8.07	0.49	294UG	115V 60Hz / 100V 50Hz 1~	RSCR	28.0	C	350	12.0	POE 22	10.4	22.9	187.0	7.4	S
NB2116Z	8.40	0.51	294TG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	9.8	21.6	187.0	7.4	S
NE2121Z	9.27	0.57	262BG	115V 60Hz / 100V 50Hz 1~	CSIR	29.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE2130Z	12.12	0.74	262DG	115V 60Hz / 100V 50Hz 1~	CSIR	38.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE2134Z	14.30	0.87	263CD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.4	C/V	350	12.0	POE 22	11.5	25.4	206.0	8.1	F
NE2134Z	14.30	0.87	262JG	115V 60Hz / 100V 50Hz 1~	CSIR	33.0	C/V	350	12.0	POE 22	11.5	25.4	200.0	7.9	F
T2134Z	19.04	1.16	203HG	115V 60Hz / 100V 50Hz 1~	CSIR	30.0	C/V	550	20.0	POE 22	13.1	28.9	201.0	7.9	F
T2134Z	19.04	1.16	203HD	208-230V 60Hz / 200V 50Hz 1~	CSIR	21.0	C/V	550	19.0	POE 22	13.1	28.9	201.0	7.9	F
T2134Z	19.04	1.16	207IQ	100V 50/60Hz 1~	CSIR	45.5	C/V	550	20.0	POE 22	13.1	28.9	201.0	7.9	F
T2140H	22.40	1.37	207HD	208-230V 60Hz / 200V 50Hz 1~	CSIR	26.0	C/V	550	20.0	POE 22	14.9	32.8	221.0	8.7	F
J2152Z	27.12	1.65	164LG	115V 60Hz / 100V 50Hz 1~	CSIR	59.0	C/V	890	31.0	POE 22	20.0	44.1	265.0	10.4	F
NJ2152Z	27.12	1.65	144LG	115V 60Hz / 100V 50Hz 1~	CSIR	59.0	C/V	750	26.0	POE 22	20.0	44.1	265.0	10.4	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 134a	HBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NB5125Z	3.78	0.23	293AG	115V 60Hz / 100V 50Hz 1~	RSIR	14.0	C	350	12.0	POE 22	11.5	25.4	177.0	7.0	S
NB5128Z	4.52	0.28	293BG	115V 60Hz / 100V 50Hz 1~	RSIR	17.0	C	350	12.0	POE 22	11.5	25.4	177.0	7.0	S
NB5132Z	5.02	0.31	293CG	115V 60Hz / 100V 50Hz 1~	RSIR	20.0	C	350	12.0	POE 22	9.5	20.9	177.0	7.0	S
NB6132Z	5.02	0.31	293DG	115V 60Hz / 100V 50Hz 1~	CSIR	15.1	C/V	350	12.0	POE 22	9.5	20.9	177.0	7.0	S
NB5144Z	6.05	0.37	294AG	115V 60Hz / 100V 50Hz 1~	RSIR	23.0	C	350	12.0	POE 22	9.7	21.4	187.0	7.4	F
NB6144Z	6.05	0.37	294BG	115V 60Hz / 100V 50Hz 1~	CSIR	19.3	C/V	350	12.0	POE 22	9.7	21.4	187.0	7.4	F
NE5160Z	8.00	0.49	261AG	115V 60Hz / 100V 50Hz 1~	RSIR	25.0	C	350	12.0	POE 22	9.9	21.8	187.0	7.4	F
NE6160Z	8.00	0.49	261BG	115V 60Hz / 100V 50Hz 1~	CSIR	21.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE5170Z	8.78	0.54	261CG	115V 60Hz / 100V 50Hz 1~	RSIR	31.0	C	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE6170Z	8.78	0.54	261DG	115V 60Hz / 100V 50Hz 1~	CSIR	25.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE6170Z	8.78	0.54	261DD	208-230V 60Hz / 200V 50Hz 1~	CSIR	18.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE5187Z	12.12	0.74	261EG	115V 60Hz / 100V 50Hz 1~	RSIR	35.0	C	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE6187Z	12.12	0.74	261FD	208-230V 60Hz / 200V 50Hz 1~	CSIR	17.3	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE6187Z	12.12	0.74	261FG	115V 60Hz / 100V 50Hz 1~	CSIR	29.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE6210Z	13.54	0.83	262FD	208-230V 60Hz / 200V 50Hz 1~	CSIR	23.5	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE6210Z	13.54	0.83	262FG	115V 60Hz / 100V 50Hz 1~	CSIR	37.5	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6160Z	7.28	0.44	267BG	115V 60Hz / 100V 50Hz 1~	CSIR	28.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6160Z	7.28	0.44	267BB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	13.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F

Note: Please check Test Conditions on page 30.

**FREQUENCY APPLICATION REFRIGERANT**  
**60Hz LBP R 134a**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W													Drawings		MODEL
	Rated Point -23.3°C													External View	Wiring Diagram	
	-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	-5	ref.			
°C		W	kcal/h	W	A	W/W	kcal/hW									
54.4			136	152	131	156	2.00	0.98	0.84	187	247	317	397	DWG04	SM02	NB1112Z
45	119		162							214	276	349	432			
54.4			183	203	175	194	2.90	1.05	0.90	247	326	418	523	DWG04	SM02	NB1116Z
45	157		209							274	352	444	548			
54.4			210	234	201	194	1.20	1.20	1.03	284	372	472	586	DWG04	SM02	NB1118Z
45	171		230							305	395	500	620			
54.4			183	203	175	198	2.90	1.03	0.89	247	326	418	523	DWG04	SM04	NB2116Z
45	157		209							274	352	444	548			
54.4			252	278	239	255	4.40	1.09	0.94	335	435	552	685	DWG04	SM04	NE2121Z
45	202		268							352	453	571	706			
54.4			332	367	315	309	4.90	1.18	1.01	440	565	709	871	DWG04	SM04	NE2130Z
45	267		350							455	580	727	895			
54.4			370	407	350	328	2.52	1.24	1.07	487	626	788	972	DWG04	SM04	NE2134Z
45	300		394							512	654	818	1006			
54.4			369	425	365	346	5.30	1.23	1.05	485	626	791	980	DWG04	SM04	NE2134Z
45	295		389							507	649	815	1006			
54.4			418	463	398	416	4.80	1.11	0.95	563	748	971	1234	DWG08	SM08	T2134Z
45	361		455							599	794	1038	1333			
54.4			418	463	398	394	3.10	1.17	1.01	563	748	971	1234	DWG08	SM08	T2134Z
45	361		455							599	794	1038	1333			
54.4			418	463	398	416	4.80	1.11	0.95	563	748	971	1234	DWG08	SM08	T2134Z
45	361		455							599	794	1038	1333			
54.4			455	512	440	425	2.90	1.21	1.04	640	873	1153	1481	DWG08	SM08	T2140H
45	382		508							692	935	1236	1596			
54.4			610	704	605	512	7.00	1.37	1.18	899	1223	1581	1974	DWG13	SM14	J2152Z
45	422		645							910	1215	1562	1949			
54.4			610	704	605	512	7.00	1.37	1.18	899	1223	1581	1974	DWG14	SM14	NJ2152Z
45	422		645							910	1215	1562	1949			

**FREQUENCY APPLICATION REFRIGERANT**  
**60Hz HBP R 134a**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W													Drawings		MODEL
	Rated Point +7.2°C													External View	Wiring Diagram	
	-15	-10	-5	0	+5	Cooling		W. input	Current	EER		+10	ref.			
°C						W	kcal/h	W	A	W/W	kcal/hW					
54.4			200	256	320	351	302	189	2.20	1.85	1.60	393	DWG04	SM02	NB5125Z	
45	142	185	238	301	375							458				
54.4			246	312	390	427	367	219	2.50	1.95	1.68	478	DWG04	SM02	NB5128Z	
45	176	227	289	364	450							549				
54.4			298	374	463	505	434	270	3.00	1.87	1.61	563	DWG04	SM02	NB5132Z	
45	213	272	345	431	530							643				
54.4			309	386	476	518	445	274	2.90	1.89	1.63	576	DWG04	SM04	NB6132Z	
45	221	283	358	446	547							661				
54.4			379	468	569	617	531	350	3.80	1.77	1.52	682	DWG04	SM02	NB5144Z	
45	273	345	430	529	641							767				
54.4			379	468	569	617	531	350	3.80	1.77	1.52	682	DWG04	SM04	NB6144Z	
45	273	345	430	529	641							767				
54.4			466	613	766	835	718	374	4.00	2.24	1.93	925	DWG04	SM02	NE5160Z	
45	315	430	564	715	884							1071				
54.4			466	613	766	835	718	374	4.00	2.24	1.93	925	DWG04	SM04	NE6160Z	
45	315	430	564	715	884							1071				
54.4			545	699	874	958	824	419	4.70	2.29	1.97	1071	DWG04	SM02	NE5170Z	
45	380	502	648	817	1011							1228				
54.4			529	683	858	942	810	418	4.80	2.25	1.94	1054	DWG04	SM04	NE6170Z	
45	366	490	637	807	1000							1216				
54.4			560	715	891	967	832	419	2.64	2.31	1.99	1089	DWG04	SM04	NE6170Z	
45	406	519	661	832	1032							1260				
54.4			734	935	1166	1278	1099	616	7.10	2.08	1.79	1428	DWG04	SM02	NE5187Z	
45	520	675	866	1095	1362							1665				
54.4			734	935	1166	1278	1099	616	7.10	2.08	1.79	1428	DWG04	SM04	NE6187Z	
45	520	675	866	1095	1362							1665				
54.4			849	1071	1324	1445	1243	686	3.80	2.11	1.81	1609	DWG04	SM04	NE6210Z	
45	602	775	986	1235	1522							1847				
54.4			849	1071	1324	1445	1243	686	7.60	2.11	1.81	1609	DWG04	SM04	NE6210Z	
45	602	775	986	1235	1522							1847				
54.4			498	625	773	845	727	360	4.66	2.35	2.02	942	DWG04	SM04	NEK6160Z	
45	359	455	574	715	880							1066				
54.4			497	624	771	842	724	349	2.40	2.41	2.07	936	DWG03	SM04	NEK6160Z	
45	358	452	570	711	875							1063				

**REFRIGERANT APPLICATION FREQUENCY**  
**R 134a HBP 60Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NEK6170Z	8.40	0.51	267DG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6170Z	8.40	0.51	268DB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	16.5	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6187Z	10.00	0.61	268AG	115V 60Hz / 100V 50Hz 1~	CSIR	37.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6187Z	10.00	0.61	269BB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	19.3	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1	F
NEK6210Z	12.12	0.74	268BG	115V 60Hz / 100V 50Hz 1~	CSIR	37.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6210Z	12.12	0.74	269EB	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	20.0	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1	F
NEK6212Z	14.30	0.87	269AG	115V 60Hz / 100V 50Hz 1~	CSIR	40.0	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1	F
T6213Z	17.40	1.06	203LG	115V 60Hz / 100V 50Hz 1~	CSIR	36.0	C/V	550	19.0	POE 22	13.7	30.2	201.0	7.9	F
T6213Z	17.40	1.06	206DD	208-230V 60Hz / 200V 50Hz~	CSIR	30.0	C/V	550	19.0	POE 22	13.7	30.2	221.0	8.7	F
T6215Z	20.40	1.24	206ZD	208-230V 60Hz / 200V 50Hz 1~	CSIR	28.8	C/V	550	20.0	POE 22	14.5	32.0	221.0	8.7	F
T6215Z	20.40	1.24	206ZG	115V 60Hz / 100V 50Hz 1~	CSIR	45.0	C/V	550	20.0	POE 22	14.5	32.0	221.0	8.7	F
T6217Z	22.40	1.36	206TD	208-230V 60Hz / 200V 50Hz 1~	CSIR	28.8	C/V	550	20.0	POE 22	16.3	35.9	221.0	8.7	F
T6217Z	22.40	1.36	206TG	115V 60Hz / 100V 50Hz 1~	CSIR	48.8	C/V	550	20.0	POE 22	16.3	35.9	221.0	8.7	F
J6220Z	26.20	1.60	164HD	208-230V 60Hz / 200V 50Hz 1~	CSIR	42.0	C/V	890	31.0	POE 22	20.3	44.8	265.0	10.4	F
NJ6220Z	26.20	1.60	144HD	208-230V 60Hz / 200V 50Hz 1~	CSIR	42.0	C/V	750	26.0	POE 22	20.3	44.8	265.0	10.4	F
J6220Z	26.20	1.60	164HG	115V 60Hz / 100V 50Hz 1~	CSIR	72.0	C/V	890	31.0	POE 22	19.7	43.4	265.0	10.4	F
NJ6220Z	26.20	1.60	144HG	115V 60Hz / 100V 50Hz 1~	CSIR	72.0	C/V	750	26.0	POE 22	19.7	43.4	265.0	10.4	F
J6220ZX	26.20	1.60	168HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	890	31.0	POE 22	19.6	43.2	265.0	10.4	F
NJ6220ZX	26.20	1.60	148HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	750	26.0	POE 22	19.6	43.2	265.0	10.4	F
J6226Z	34.37	2.10	162HD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	890	31.0	POE 22	20.1	44.3	253.0	10.0	F
NJ6226Z	34.37	2.10	142HD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	750	26.0	POE 22	20.1	44.3	253.0	10.0	F
J6226ZX	34.37	2.10	168IM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	20.2	44.5	265.0	10.4	F
NJ6226ZX	34.37	2.10	148IM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	20.2	44.5	265.0	10.4	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 22 LBP 60Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NE2134E	12.12	0.74	263AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.0	C/V	350	12.0	AB 46	11.5	25.4	206.0	8.1	F
NE2134E	12.12	0.74	263AG	115V 60Hz / 100V 50Hz 1~	CSIR	33.0	C/V	350	12.0	AB 46	11.5	25.4	206.0	8.1	F
T2140E	14.50	0.88	116AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	29.5	C/V	550	20.0	AB 46	16.5	36.4	221.0	8.7	F
T2155E	17.40	1.06	116BD	208-230V 60Hz / 200V 50Hz 1~	CSR	20.0	C/V	550	20.0	AB 46	15.6	34.4	221.0	8.7	F
T2168E	20.40	1.24	116UD	208-230V 60Hz / 200V 50Hz 1~	CSR	32.5	C/V	550	20.0	AB 46	16.6	36.6	221.0	8.7	F
J2178E	23.50	1.43	163RD	208-230V 60Hz / 200V 50Hz 1~	CSR	35.0	C/V	890	31.0	AB 46	22.8	50.3	277.0	10.9	F
NJ2178E	23.50	1.43	143RD	208-230V 60Hz / 200V 50Hz 1~	CSR	35.0	C/V	750	26.0	AB 46	22.8	50.3	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**FREQUENCY**  
**60Hz**

**APPLICATION**  
**HBP**

**REFRIGERANT**  
**R 134a**

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W												Drawings		MODEL
	-15	-10	-5	0	+5	Rated Point +7.2°C						+10	External View ref.	Wiring Diagram ref.	
						W	kcal/h	W. input W	Current A	W/W	EER kcal/hW				
54.4			583	724	892	978	841	418	4.95	2.34	2.01	1090	DWG04	SM04	NEK6170Z
45	427	537	673	835	1022							1236			
54.4			590	730	894	974	838	414	2.42	2.35	2.02	1082	DWG03	SM04	NEK6170Z
45	431	539	674	837	1027							1244			
54.4			662	828	1026	1122	965	486	5.82	2.30	1.99	1253	DWG04	SM04	NEK6187Z
45	485	603	757	947	1170							1428			
54.4			668	833	1023	1115	959	485	2.97	2.30	1.98	1238	DWG03	SM04	NEK6187Z
45	512	630	778	958	1170							1412			
54.4			801	995	1219	1326	1140	608	6.83	2.18	1.88	1469	DWG04	SM04	NEK6210Z
45	573	726	912	1133	1387							1678			
54.4			720	910	1145	1270	1090	605	3.75	2.10	1.80	1450	DWG03	SM04	NEK6210Z
45	520	680	840	1060	1320							1658			
54.4			920	1143	1396	1518	1305	766	8.95	1.98	1.70	1679	DWG04	SM04	NEK6212Z
45	749	954	1190	1458	1755							2084			
54.4			976	1250	1562	1712	1472	835	9.30	2.05	1.76	1913	DWG08	SM08	T6213Z
45	668	879	1135	1437	1783							2174			
54.4			976	1250	1562	1712	1472	835	4.70	2.05	1.76	1913	DWG08	SM08	T6213Z
45	668	879	1135	1437	1783							2174			
54.4			1174	1507	1890	2075	1785	970	5.70	2.14	1.84	2325	DWG08	SM08	T6215Z
45	798	1046	1364	1751	2207							2733			
54.4			1174	1507	1890	2075	1785	970	11.40	2.14	1.84	2325	DWG08	SM08	T6215Z
45	798	1046	1364	1751	2207							2733			
54.4			1239	1603	2027	2233	1920	1054	5.60	2.12	1.82	2512	DWG08	SM08	T6217Z
45	862	1130	1474	1892	2385							2953			
54.4			1239	1603	2027	2233	1920	1054	11.20	2.12	1.82	2512	DWG08	SM08	T6217Z
45	862	1130	1474	1892	2385							2953			
54.4			1721	2201	2727	2973	2557	1220	7.40	2.44	2.10	3299	DWG13	SM14	J6220Z
45	1125	1478	1916	2442	3053							3751			
54.4			1721	2201	2727	2973	2557	1220	7.40	2.44	2.10	3299	DWG14	SM14	NJ6220Z
45	1125	1478	1916	2442	3053							3751			
54.4			1721	2201	2727	2973	2557	1250	13.30	2.38	2.05	3299	DWG13	SM14	J6220Z
45	1125	1478	1916	2442	3053							3751			
54.4			1721	2201	2727	2973	2557	1250	13.30	2.38	2.05	3299	DWG14	SM14	NJ6220Z
45	1125	1478	1916	2442	3053							3751			
54.4			1721	2201	2727	2973	2557	1021	1.60	2.91	2.50	3299	DWG13	SM18	J6220ZX
45	1125	1478	1916	2442	3053							3751			
54.4			1721	2201	2727	2973	2557	1021	1.60	2.91	2.50	3299	DWG14	SM18	NJ6220ZX
45	1125	1478	1916	2442	3053							3751			
54.4			2064	2604	3196	3473	2987	1525	7.30	2.28	1.96	3840	DWG13	SM17	J6226Z
45	1662	2096	2608	3199	3868							4616			
54.4			2064	2604	3196	3473	2987	1525	7.30	2.28	1.96	3840	DWG14	SM17	NJ6226Z
45	1662	2096	2608	3199	3868							4616			
54.4			2064	2604	3196	3473	2987	1390	2.40	2.50	2.15	3840	DWG13	SM18	J6226ZX
45	1662	2096	2608	3199	3868							4616			
54.4			2064	2604	3196	3473	2987	1390	2.40	2.50	2.15	3840	DWG14	SM18	NJ6226ZX
45	1662	2096	2608	3199	3868							4616			

**FREQUENCY**  
**60Hz**

**APPLICATION**  
**LBP**

**REFRIGERANT**  
**R 22**

Condensing Temperature °C	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W											Drawings		MODEL
	-30	-25	Rated Point -23.3°C						-20	-15	-10	External View ref.	Wiring Diagram ref.	
			W	kcal/h	W. input W	Current A	W/W	EER kcal/hW						
54.4			513	441	469	3.10	1.09	0.94	620	800	1003	DWG04	SM04	NE2134E
45	401	529							686	873	1089			
54.4			513	441	469	6.10	1.09	0.94	620	800	1003	DWG04	SM04	NE2134E
45	401	529							686	873	1089			
54.4			580	499	578	3.40	1.00	0.86	706	931	1197	DWG09	SM08	T2140E-
45	407	564							766	1013	1306			
54.4			701	603	563	2.60	1.24	1.07	855	1129	1452	DWG11	SM13	T2155E
45	499	691							934	1228	1572			
54.4			887	763	755	3.70	1.17	1.01	1060	1365	1723	DWG11	SM13	T2168E
45	640	848							1127	1477	1897			
54.4			1067	918	832	4.00	1.28	1.10	1285	1667	2109	DWG13	SM16	J2178E
45	773	1069							1420	1827	2288			
54.4			1067	918	832	4.00	1.28	1.10	1285	1667	2109	DWG14	SM16	NJ2178E
45	773	1069							1420	1827	2288			



REFRIGERANT	APPLICATION	FREQUENCY
R 22	HBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NB6152E	5.02	0.31	294LG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	AB 46	10.5	23.1	187.0	7.4	F
NE6181E	7.28	0.44	262LD	208-230V 60Hz / 200V 50Hz 1~	CSIR	18.2	C/V	350	12.0	AB 46	10.0	22.0	200.0	7.9	F
NE6181E	7.28	0.44	262LG	115V 60Hz / 100V 50Hz 1~	CSIR	38.0	C/V	350	12.0	AB 46	10.0	22.0	200.0	7.9	F
NE6210E	8.78	0.54	261NG	115V 60Hz / 100V 50Hz 1~	CSIR	29.0	C/V	350	12.0	AB 46	10.4	22.9	187.0	7.4	F
NE6211E	10.00	0.61	263GG	115V 60Hz / 100V 50Hz 1~	CSIR	38.5	C/V	350	12.0	AB 46	11.0	24.2	206.0	8.1	F
NE6211E	10.00	0.61	262HD	208-230V 60Hz / 200V 50Hz 1~	CSIR	25.8	C/V	350	12.0	AB 46	10.4	22.9	200.0	7.9	F
T6217E-	14.50	0.88	116RG	115V 60Hz / 100V 50Hz 1~	CSIR	55.0	C/V	550	20.0	AB 46	16.1	35.5	221.0	8.7	F
T6217E	14.50	0.89	116TD	208-230V 60Hz / 200V 50Hz 1~	CSIR	30.0	C/V	550	20.0	AB 46	16.4	36.0	221.0	8.7	F
T6220E	17.40	1.06	116SD	208-230V 60Hz / 200V 50Hz 1~	CSR	30.0	C/V	550	20.0	AB 46	15.5	34.2	221.0	8.7	F
T6220E	17.40	1.06	116JG	115 V 60Hz / 100V 50Hz 1~	CSR	72.0	C/V	550	20.0	AB 46	15.8	34.8	221.0	8.7	F
T6222E	20.40	1.25	116KD	208-230V 60Hz / 200V 50Hz 1~	CSR	34.0	C/V	550	20.0	AB 46	16.7	36.8	221.0	8.7	F
T6222E	20.40	1.25	106KG	115V 60Hz / 100V 50Hz	CSR	71.0	C/V	550	20.0	AB 46	16.7	36.8	221.0	8.7	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 22	M/HBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NE9213E	12.12	0.74	263ED	208-230V 60Hz / 200V 50Hz 1~	CSR	25.9	C/V	350	12.0	AB 46	11.7	25.8	206.0	8.1	F
NE9213E	12.12	0.74	263EG	115V 60Hz / 100V 50Hz 1~	CSR	36.0	C/V	350	12.0	AB 46	11.7	25.8	206.0	8.1	F
J9226E	21.70	1.32	164ID	208-230V 60Hz / 200V 50Hz 1~	CSR	37.0	C/V	890	31.0	AB 46	22.1	48.7	265.0	10.4	F
NJ9226E	21.70	1.32	144ID	208-230V 60Hz / 200V 50Hz 1~	CSR	37.0	C/V	750	26.0	AB 46	22.1	48.7	265.0	10.4	F
J9226P	21.70	1.32	168MM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	890	31.0	AB 46	22.1	48.7	265.0	10.4	F
NJ9226P	21.70	1.32	148MM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	750	26.0	AB 46	22.1	48.7	265.0	10.4	F
J9232E	26.20	1.60	163MD	208-230V 60Hz / 200V 50Hz 1~	CSR	47.0	C/V	890	31.0	AB 46	22.1	48.7	277.0	10.9	F
NJ9232E	26.20	1.60	143MD	208-230V 60Hz / 200V 50Hz 1~	CSR	47.0	C/V	750	26.0	AB 46	22.1	48.7	277.0	10.9	F
J9232P	26.20	1.60	167HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	AB 46	21.2	46.7	277.0	10.9	F
NJ9232P	26.20	1.60	147HM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	AB 46	21.2	46.7	277.0	10.9	F
J9238P	32.70	2.00	167LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	AB 46	21.7	47.8	277.0	10.9	F
NJ9238P	32.70	2.00	147LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	AB 46	21.7	47.8	277.0	10.9	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 22	AC	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge cm <sup>3</sup>	oz <sup>3</sup>	Type	kg	lb	mm	in	
NE7195E	8.00	0.49	262VG	115V 60Hz / 100V 50Hz 1~	PSC	28.0	C	350	12.0	MO 32	10.4	22.9	200.0	7.9	F
NE7210E	8.78	0.54	262TG	115V 60Hz / 100V 50Hz 1~	PSC	28.0	C	350	12.0	MO 32	10.4	22.9	200.0	7.9	F
NE7213E	12.12	0.73	264CG	115V 60Hz / 100V 50Hz 1~	PSC	30.0	C	350	12.0	MO 32	11.6	25.6	206.0	8.1	F

Note: Please check Test Conditions on page 30.

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	HBP	R 22

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C												Drawings		MODEL		
	Subcooled conditions W												External View	Wiring Diagram			
	°C	Rated Point +7.2°C					Cooling W	kcal/h	W. input W	Current A	EER					ref.	ref.
-15		-10	-5	0	+5	W/W					kcal/hW	+10					
54.4																	
45	356	442	476	583	705	764	657	413	4.90	1.85	1.59	843	954	DWG04	SM04	NB6152E	
54.4																	
45	501	641	692	864	1061	1156	994	511	3.00	2.26	1.94	1283	1482	DWG04	SM04	NE6181E	
54.4																	
45	501	641	692	864	1061	1156	994	511	6.00	2.26	1.94	1283	1482	DWG04	SM04	NE6181E	
54.4																	
45	615	775	823	1021	1248	1356	1166	675	7.20	2.01	1.73	1503	1731	DWG04	SM04	NE6210E	
54.4																	
45	723	904	967	1193	1446	1568	1349	779	8.70	2.01	1.73	1731	1980	DWG04	SM04	NE6211E	
54.4																	
45	664	841	953	1182	1436	1593	1370	736	4.50	2.16	1.86	1741	1865	DWG04	SM04	NE6211E	
54.4																	
45	794	1145	1255	1624	2022	2206	1897	1062	11.40	2.08	1.79	2448	2861	DWG12	SM10	T6217E-	
54.4																	
45	872	1082	1226	1582	2003	2184	1878	1081	6.13	2.02	1.74	2443	2808	DWG08	SM08	T6217E	
54.4																	
45	1036	1408	1326	1835	2391	2651	2280	1173	5.60	2.26	1.94	2995	3141	DWG12	SM12	T6220E	
54.4																	
45	1036	1408	1326	1835	2391	2651	2280	1173	11.20	2.26	1.94	2995	3141	DWG12	SM12	T6220E	
54.4																	
45	1313	1638	1855	2280	2495	3052	2625	1426	6.80	2.14	1.84	3402	3564	DWG12	SM12	T6222E	
54.4																	
45	1313	1638	1855	2280	2795	3008	2587	1470	13.70	2.05	1.76	3402	3564	DWG12	SM12	T6222E	

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	M/HBP	R 22

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C												Drawings		MODEL		
	Subcooled conditions W												External View	Wiring Diagram			
	°C	Rated Point +7.2°C					Cooling W	kcal/h	W. input W	Current A	EER					ref.	ref.
-20		-15	-10	-5	0	+5					W/W	kcal/hW	+10				
54.4																	
45	675	869	950	1196	1477	1791	1940	1668	861	4.20	2.25	1.94	2139	2430	DWG04	SM06	NE9213E
54.4																	
45	681	861	937	1177	1457	1777	1930	1660	880	7.80	2.19	1.88	2136	2446	DWG04	SM06	NE9213E
54.4																	
45	1130	1519	1770	2222	2730	3295	3598	3095	1480	7.30	2.43	2.09	3916	4375	DWG13	SM17	J9226E
54.4																	
45	1130	1519	1770	2222	2730	3295	3598	3095	1480	7.30	2.43	2.09	3916	4375	DWG14	SM17	NJ9226E
54.4																	
45	1133	1491	1679	2119	2640	3241	3531	3037	1328	2.10	2.66	2.29	3923	4446	DWG13	SM18	J9226P
54.4																	
45	1133	1491	1679	2119	2640	3241	3531	3037	1328	2.10	2.66	2.29	3923	4446	DWG14	SM18	NJ9226P
54.4																	
45	1150	1500	1702	1827	2621	3208	4250	3655	1735	8.56	2.45	2.11	3900	4250	DWG13	SM17	J9232E
54.4																	
45	1150	1500	1702	1827	2621	3208	4250	3655	1735	8.56	2.45	2.11	3900	4250	DWG14	SM17	NJ9232E
54.4																	
45	1355	1781	1993	2526	3153	3877	4225	3634	1605	2.90	2.63	2.26	4695	5453	DWG13	SM18	J9232P
54.4																	
45	1355	1781	1993	2526	3153	3877	4225	3634	1605	2.90	2.63	2.26	4695	5453	DWG14	SM18	NJ9232P
54.4																	
45	1805	2302	2638	3278	4010	4834	5225	4494	2171	8.30	2.41	2.07	5749	6508	DWG13	SM18	J9238P
54.4																	
45	1805	2302	2638	3278	4010	4834	5225	4494	2171	8.30	2.41	2.07	5749	6508	DWG14	SM18	NJ9238P

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	AC	R 22

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C										Drawings		MODEL			
	Subcooled conditions W										External View	Wiring Diagram				
	°C	Rated Point +7.2°C		Cooling		W. input W	Current A	W/W	EER					ref.	ref.	
0		+5	W	kcal/h	kcal/hW				+10	+15						
54.4																
45	1009	1229	1334	1147	533	4.60	2.50	2.15	1474	1744	DWG07	SM07	NE7195E			
54.4																
45	1081	1315	1465	1258	598	5.40	2.45	2.11	1571	1848	DWG07	SM07	NE7210E			
54.4																
45	1168	1422	1861	1600	810	7.00	2.30	1.98	1713	2042	DWG07	SM07	NE7213E			
54.4																
45	1346	1683	2115	2270	2644	2839			2115	2644	DWG07	SM07	NE7213E			

REFRIGERANT	APPLICATION	FREQUENCY
R 22	AC	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NE7215E	13.54	0.82	264DG	115V 60Hz / 100V 50Hz 1~	PSC	41.8	C	350	12.0	MO 32	11.7	25.8	206.0	8.1	F
T7223G	20.40	1.24	118DD	208-230V 60Hz / 200V 50Hz 1~	PSC	35.0	C	550	20.0	MO 32	14.9	32.8	221.0	8.7	F
T7223G	20.40	1.24	118DG	115V 60Hz / 100V 50Hz 1~	PSC	50.0	C	550	20.0	MO 32	15.3	33.7	221.0	8.7	F
J7225F	21.70	1.32	162GD	208-230V 60Hz / 200V 50Hz 1~	PSC	35.0	C	890	31.0	MO 32	19.3	42.5	253.0	10.0	F
NJ7225F	21.70	1.32	142GD	208-230V 60Hz / 200V 50Hz 1~	PSC	35.0	C	750	26.0	MO 32	19.3	42.5	253.0	10.0	F
J7225E	21.70	1.32	162AJ	230V 60Hz / 200V 50Hz 1~	PSC	35.0	C/V	890	31.0	AB 46	19.3	42.5	253.0	10.0	F
J7228E	23.50	1.45	162DJ	230V 60Hz / 200V 50Hz 1~	PSC	40.0	C	890	31.0	MO 32	19.2	42.3	253.0	10.0	F
J7228P	23.50	1.45	166DM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	MO 32	21.5	47.4	253.0	10.0	F
NJ7228P	23.50	1.45	146DM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	MO 32	21.5	47.4	253.0	10.0	F
J7231F	26.20	1.60	164ED	208-230V 60Hz / 200V 50Hz 1~	PSC	46.0	C	890	31.0	MO 32	20.4	45.0	265.0	10.4	F
NJ7231F	26.20	1.60	144ED	208-230V 60Hz / 200V 50Hz 1~	PSC	46.0	C	750	26.0	MO 32	20.4	45.0	265.0	10.4	F
J7231P	26.20	1.60	168CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	MO 32	20.1	44.3	265.0	10.4	F
NJ7231P	26.20	1.60	148CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	MO 32	20.1	44.3	265.0	10.4	F
J7231E	26.20	1.60	164CJ	230V 60Hz / 200V 50Hz 1~	PSC	41.0	C/V	890	31.0	AB 46	20.4	45.0	265.0	10.4	F
J7238E	32.70	2.00	163AJ	230V 60Hz / 200V 50Hz 1~	PSC	58.0	C	890	31.0	MO 32	22.1	48.7	277.0	10.9	F
NJ7238E	32.70	2.00	143AJ	230V 60Hz / 200V 50Hz 1~	PSC	58.0	C	750	26.0	MO 32	22.1	48.7	277.0	10.9	F
J7238P	32.70	2.00	167AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	MO 32	20.9	46.1	277.0	10.9	F
NJ7238P	32.70	2.00	147AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	MO 32	20.9	46.1	277.0	10.9	F
J7240F	34.37	2.10	163FD	208-230V 60Hz / 200V 50Hz 1~	PSC	75.0	C	890	31.0	MO 32	22.0	48.5	277.0	10.9	F
NJ7240F	34.37	2.10	143FD	208-230V 60Hz / 200V 50Hz 1~	PSC	75.0	C	750	26.0	MO 32	22.0	48.5	277.0	10.9	F
J7240P	34.37	2.10	167CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	MO 32	21.4	47.2	277.0	10.9	F
NJ7240P	34.37	2.10	147CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	MO 32	21.4	47.2	277.0	10.9	F
J7240E	34.37	2.10	163CJ	230V 60Hz / 200V 50Hz 1~	PSC	58.0	C/V	890	31.0	AB 46	22.0	48.5	277.0	10.9	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 404A / R 507	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NB2112GK	3.78	0.23	994BG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.6	23.3	187.0	7.4	S
NB2117GK	4.52	0.28	994DG	115V 60Hz / 100V 50Hz 1~	CSIR	25.0	C/V	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NB2121GK	6.05	0.37	995BG	115V 60Hz / 100V 50Hz 1~	CSIR	34.6	C/V	350	12.0	POE 22	11.1	24.5	200.0	7.9	F
NE2125GK	8.78	0.54	951ID	208-230V 60Hz / 200V 50Hz 1~	CSIR	29.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE2125GK	8.78	0.54	951IG	115V 60Hz / 100V 50Hz 1~	CSIR	29.0	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NE2134GK	12.12	0.74	953AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.7	C/V	350	12.0	POE 22	11.7	25.8	206.0	8.1	F
NE2134GK	12.12	0.74	952AG	115V 60Hz / 100V 50Hz 1~	CSIR	33.0	C/V	350	12.0	POE 22	11.7	25.8	200.0	7.9	F
NEK2117GK	4.51	0.27	957BG	115V 60Hz / 100V 50Hz 1~	CSIR	28.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2121GK	5.45	0.33	957DG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2125GK	6.20	0.38	957EG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK2134GK	8.78	0.54	958AG	115V 60Hz / 100V 50Hz 1~	CSIR	37.5	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F

Note: Please check Test Conditions on page 30.

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	AC	R 22

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C											Drawings		MODEL
	Subcooled conditions W											External View	Wiring Diagram	
	Rated Point + 7.2°C													
°C	0	+5	Cooling		W. input	Current	EER		+10	+15	ref.	ref.		
	W	kcal/h	W	A	W/W	kcal/hW								
54.4	1560	1925	2100	1806	999	8.90	2.10	1.81	2334	2787	DWG07	SM07	NE7215E	
45	1675	2047							2464	2927				
54.4	2277	2854	3133	2694	1294	6.10	2.42	2.08	3511	4247	DWG12	SM11	T7223G	
45	2732	3264							3995	4923				
54.4	2359	2887	3133	2694	1298	11.30	2.41	2.07	3458	4070	DWG10	SM11	T7223G	
45	2732	3264							3995	4923				
54.4	2360	3027	3368	2896	1454	7.00	2.32	2.00	3842	4804	DWG13	SM15	J7225F	
45	2552	3262							4131	5159				
54.4	2360	3027	3368	2896	1454	7.00	2.32	2.00	3842	4804	DWG14	SM15	NJ7225F	
45	2552	3262							4131	5159				
54.4	2360	3027	3368	2896	1454	7.00	2.32	2.00	3842	4804	DWG13	SM15	J7225E	
45	2552	3262							4131	5159				
54.4	2720	3501	3891	3346	1591	7.30	2.45	2.11	4430	5507	DWG13	SM15	J7228E	
45	3217	4061							5055	6198				
54.4	2720	3501	3891	3346	1449	2.70	2.69	2.31	4430	5507	DWG13	SM18	J7228P	
45	3217	4061							5055	6198				
54.4	2720	3501	3891	3346	1449	2.70	2.69	2.31	4430	5507	DWG14	SM18	NJ7228P	
45	3217	4061							5055	6198				
54.4	3189	3878	4208	3619	1754	8.00	2.40	2.06	4649	5502	DWG13	SM15	J7231F	
45	3770	4563							5510	6612				
54.4	3189	3878	4208	3619	1754	8.00	2.40	2.06	4649	5502	DWG14	SM15	NJ7231F	
45	3770	4563							5510	6612				
54.4	3189	3878	4208	3619	1561	3.20	2.70	2.32	4649	5502	DWG13	SM18	J7231P	
45	3770	4563							5510	6612				
54.4	3189	3878	4208	3619	1561	3.20	2.70	2.32	4649	5502	DWG14	SM18	NJ7231P	
45	3770	4563							5510	6612				
54.4	3189	3878	4208	3619	1754	8.00	2.40	2.06	4649	5502	DWG13	SM15	J7231E	
45	3770	4563							5510	6612				
54.4	3894	4736	5167	4444	2351	10.90	2.20	1.89	5769	6992	DWG13	SM15	J7238E	
45	4666	5730							6898	8168				
54.4	3894	4736	5167	4444	2351	10.90	2.20	1.89	5769	6992	DWG14	SM15	NJ7238E	
45	4666	5730							6898	8168				
54.4	3894	4736	5167	4444	2157	3.50	2.40	2.06	5769	6992	DWG13	SM18	J7238P	
45	4666	5730							6898	8168				
54.4	3894	4736	5167	4444	2157	3.50	2.40	2.06	5769	6992	DWG14	SM18	NJ7238P	
45	4666	5730							6898	8168				
54.4	4232	5199	5661	4868	2597	12.80	2.18	1.87	6282	7481	DWG13	SM15	J7240F	
45	4663	5755							6997	8391				
54.4	4232	5199	5661	4868	2597	12.80	2.18	1.87	6282	7481	DWG14	SM15	NJ7240F	
45	4663	5755							6997	8391				
54.4	4232	5199	5661	4868	2362	3.90	2.40	2.06	6282	7481	DWG13	SM18	J7240P	
45	4663	5755							6997	8391				
54.4	4232	5199	5661	4868	2362	3.90	2.40	2.06	6282	7481	DWG14	SM18	NJ7240P	
45	4663	5755							6997	8391				
54.4	4232	5199	5661	4868	2597	12.80	2.18	1.87	6282	7481	DWG13	SM15	J7240E	
45	4663	5755							6997	8391				

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	LBP	R 404A / R 507

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C													Drawings		MODEL
	Subcooled conditions W													External View	Wiring Diagram	
	Rated Point -23.3°C															
°C	-40	-35	-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	ref.	ref.	
	W	kcal/h	W	A	W/W	kcal/hW										
54.4			101	144	157	135	155	2.10	1.01	0.87	192	248	315	DWG04	SM04	NB2112GK
45	42	82	122	166							216	276	347			
54.4			126	184	206	177	209	3.30	0.98	0.84	250	325	409	DWG04	SM04	NB2117GK
45	67	106	155	213							281	358	444			
54.4			216	291	320	275	298	4.80	1.07	0.92	378	475	583	DWG04	SM04	NB2121GK
45	124	177	241	318							406	507	620			
54.4			181	315	364	313	344	5.30	1.06	0.91	465	631	813	DWG04	SM04	NE2125GK
45	56	150	263	395							546	715	904			
54.4			181	315	364	313	344	5.30	1.06	0.91	465	631	813	DWG04	SM04	NE2125GK
45	56	150	263	395							546	715	904			
54.4			303	478	543	467	436	2.80	1.25	1.08	676	895	1137	DWG04	SM04	NE2134GK
45	102	251	416	596							792	1003	1230			
54.4			303	487	553	476	459	5.90	1.21	1.04	689	910	1150	DWG04	SM04	NE2134GK
45	96	247	415	598							798	1013	1244			
54.4			202	263	287	247	242	3.90	1.19	1.02	337	423	520	DWG04	SM04	NEK2117GK
45	130	165	215	281							359	450	550			
54.4			255	326	355	305	286	4.04	1.24	1.07	414	515	629	DWG04	SM04	NEK2121GK
45	169	213	272	349							437	542	662			
54.4			312	395	427	367	323	4.28	1.32	1.14	494	608	737	DWG04	SM04	NEK2125GK
45	195	248	316	403							508	630	771			
54.4			402	526	571	491	433	5.50	1.32	1.13	667	828	1007	DWG04	SM04	NEK2134GK
45	251	326	423	540							688	857	1048			

REFRIGERANT	APPLICATION	FREQUENCY
R 404A / R 507	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
						A		cm <sup>3</sup>	oz <sup>3</sup>						
NEK2134GK	8.78	0.54	959DD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NEK2150GK	12.12	0.74	959AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NEK2150GK	12.12	0.74	959AG	115V 60Hz / 100V 50Hz 1~	CSIR	41.5	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NEK2150GK	12.12	0.74	959AG	115V 60Hz / 100V 50Hz 1~	CSIR	41.5	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
T2155GK	14.50	0.88	936AD	208-230V 60Hz / 200V 50Hz 1~	CSR	20.0	C/V	550	20.0	POE 22	14.6	32.2	221.0	8.7	F
T2155GK-	14.50	0.88	936BD	208-230V 60Hz / 200V 50Hz 1~	CSIR	29.5	C/V	550	20.0	POE 22	16.6	36.6	221.0	8.7	F
T2155GK-	14.50	0.88	936BG	115V 60Hz / 100V 50Hz 1~	CSIR	48.8	C/V	550	20.0	POE 22	16.3	35.9	221.0	8.7	F
T2168GK	17.40	1.06	936CD	208-230V 60Hz / 200V 50Hz 1~	CSR	32.5	C/V	550	20.0	POE 22	16.6	36.6	221.0	8.7	F
T2168GK-	17.40	1.06	936DG	115V 60Hz / 100V 50Hz 1~	CSIR	55.0	C/V	550	20.0	POE 22	17.2	37.9	221.0	8.7	F
T2178GK	20.40	1.24	936ED	208-230V 60Hz / 200V 50Hz 1~	CSR	33.0	C/V	550	20.0	POE 22	17.2	37.9	221.0	8.7	F
T2178GK	20.40	1.24	936EG	115V 60Hz / 100V 50Hz 1~	CSR	65.0	C/V	550	20.0	POE 22	16.8	37.0	221.0	8.7	F
T2180GK	22.40	1.37	936HD	208-230V 60Hz / 200V 50Hz 1~	CSR	33.0	C/V	550	20.0	POE 22	17.0	37.5	221.0	8.7	F
T2180GK	22.40	1.37	936HG	115V 60Hz / 100V 50Hz 1~	CSR	68.0	C/V	550	20.0	POE 22	17.0	37.5	221.0	8.7	F
J2192GK	26.20	1.60	963AD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	890	31.0	POE 22	21.7	47.8	277.0	10.9	F
NJ2192GK	26.20	1.60	943AD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	750	26.0	POE 22	21.7	47.8	277.0	10.9	F
J2192GK	26.20	1.60	963AG	115V 60Hz / 100V 50Hz 1~	CSR	86.5	C/V	890	31.0	POE 22	21.7	47.8	277.0	10.9	F
NJ2192GK	26.20	1.60	943AG	115V 60Hz / 100V 50Hz 1~	CSR	86.5	C/V	750	26.0	POE 22	21.7	47.8	277.0	10.9	F
J2192GS	26.20	1.60	968AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	22.8	50.3	265.0	10.4	F
NJ2192GS	26.20	1.60	948AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	22.8	50.3	265.0	10.4	F
J2212GK	34.37	2.10	963BD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	890	31.0	POE 22	21.8	48.1	277.0	10.9	F
NJ2212GK	34.37	2.10	943BD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	750	26.0	POE 22	21.8	48.1	277.0	10.9	F
J2212GK	34.37	2.10	963BG	115V 60Hz / 100V 50Hz 1~	CSR	86.5	C/V	890	31.0	POE 22	21.8	48.1	277.0	10.9	F
NJ2212GK	34.37	2.10	943BG	115V 60Hz / 100V 50Hz 1~	CSR	86.5	C/V	750	26.0	POE 22	21.8	48.1	277.0	10.9	F
J2212GS	34.37	2.10	967AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	20.4	45.0	277.0	10.9	F
NJ2212GS	34.37	2.10	947AM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	20.4	45.0	277.0	10.9	F

Note: Please check Test Conditions on page 30.

REFRIGERANT	APPLICATION	FREQUENCY
R 404A / R 507	MBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
						A		cm <sup>3</sup>	oz <sup>3</sup>						
NB6144GK	4.52	0.28	994IG	115V 60Hz / 100V 50Hz 1~	CSIR	27.7	C/V	350	12.0	POE 22	10.3	22.7	187.0	7.4	F
NB6152GK	5.02	0.31	994LD	208-230V 60Hz / 200V 50Hz 1~	CSIR	16.5	C/V	350	12.0	POE 22	10.3	22.7	187.0	7.4	F
NB6152GK	5.02	0.31	994LG	115V 60Hz / 100V 50Hz 1~	CSIR	27.7	C/V	350	12.0	POE 22	10.3	22.7	187.0	7.4	F
NB6165GK	6.05	0.37	994NG	115V 60Hz / 100V 50Hz 1~	CSIR	29.8	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NB6165GK	6.05	0.37	994NU	220V 60Hz 1~	CSIR		C/V	350	12.0	POE 22	11.0	24.3	187.0	7.4	F
NE6181GK	7.28	0.44	952LG	115V 60Hz / 100V 50Hz 1~	CSIR	34.6	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NE6210GK	8.78	0.54	951ND	208-230V 60Hz / 200V 50Hz 1~	CSIR	16.8	C/V	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NE6210GK	8.78	0.54	951NG	115V 60Hz / 100V 50Hz 1~	CSIR	29.0	C/V	350	12.0	POE 22	10.5	23.1	187.0	7.4	F
NE9213GK	12.12	0.74	953ED	208-230V 60Hz / 200V 50Hz 1~	CSR	24.8	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NE9213GK	12.12	0.74	953EG	115V 60Hz / 100V 50Hz 1~	CSR	33.6	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NEK6144GK	4.52	0.28	957GD	208-230V 60Hz / 200V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6165GK	6.20	0.38	957IG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F

Note: Please check Test Conditions on page 30.

**FREQUENCY APPLICATION REFRIGERANT**  
**60Hz LBP R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C													Drawings		MODEL
	Subcooled conditions W													External View	Wiring Diagram	
	Rated Point -23.3°C															
°C	-40	-35	-30	-25	Cooling		W. input	Current	EER		-20	-15	-10	ref.	ref.	
					W	kcal/h	W	A	W/W	kcal/hW						
54.4			380	500	544	468	420	2.80	1.29	1.11	640	798	975	DWG04	SM04	NEK2134GK
45	230	312	415	535							678	840	1025			
54.4			492	636	692	595	586	3.87	1.18	1.02	809	1009	1237	DWG04	SM04	NEK2150GK
45	336	420	536	683							862	1072	1314			
54.4			508	660	717	617	588	7.35	1.22	1.05	838	1042	1273	DWG04	SM04	NEK2150GK
45	326	425	552	707							891	1103	1344			
54.4			515	671	730	628	546	5.57	1.34	1.15	856	1069	1311	DWG04	SM06	NEK2150GK
45	328	427	557	716							904	1123	1371			
54.4			411	607	681	586	537	2.60	1.27	1.09	836	1100	1100	DWG12	SM13	T2155GK
45	257	350	491	683							923	1213	1213			
54.4			411	607	681	586	557	3.50	1.22	1.05	836	1100	1100	DWG08	SM08	T2155GK-
45	257	350	491	683							923	1213	1213			
54.4			411	607	681	586	621	7.80	1.10	0.95	836	1100	1100	DWG08	SM08	T2155GK-
45	257	350	491	683							923	1213	1213			
54.4			569	794	879	756	649	3.20	1.35	1.16	1060	1367	1367	DWG10	SM13	T2168GK
45	343	474	653	881							1156	1479	1479			
54.4			569	794	879	756	763	9.10	1.15	0.99	1060	1367	1367	DWG11	SM10	T2168GK-
45	343	474	653	881							1156	1479	1479			
54.4			716	970	1065	916	891	2.80	1.20	1.03	1264	1598	1598	DWG11	SM13	T2178GK
45	411	580	793	1050							1351	1696	1696			
54.4			716	970	1065	916	815	7.70	1.31	1.13	1264	1598	1598	DWG11	SM13	T2178GK
45	411	580	793	1050							1351	1696	1696			
54.4			776	1034	1132	974	986	4.70	1.15	0.99	1339	1692	1692	DWG11	SM13	T2180GK
45	456	632	858	1133							1458	1831	1831			
54.4			776	1034	1132	974	1020	9.70	1.11	0.95	1339	1692	1692	DWG11	SM13	T2180GK
45	456	632	858	1133							1458	1831	1831			
54.4			880	1194	1316	1132	1011	4.90	1.30	1.12	1574	2019	2019	DWG13	SM16	J2192GK
45	430	685	989	1342							1745	2196	2196			
54.4			880	1194	1316	1132	1011	4.90	1.30	1.12	1574	2019	2019	DWG14	SM16	NJ2192GK
45	430	685	989	1342							1745	2196	2196			
54.4			880	1194	1316	1132	1011	9.80	1.30	1.12	1574	2019	2019	DWG13	SM16	J2192GK
45	430	685	989	1342							1745	2196	2196			
54.4			880	1194	1316	1132	1068	1.90	1.23	1.06	1574	2019	2019	DWG13	SM18	J2192GS
45	430	685	989	1342							1745	2196	2196			
54.4			880	1194	1316	1132	1068	1.90	1.23	1.06	1574	2019	2019	DWG14	SM18	NJ2192GS
45	430	685	989	1342							1745	2196	2196			
54.4			1105	1559	1728	1486	1154	5.40	1.50	1.29	2077	2659	2659	DWG13	SM16	J2212GK
45	573	880	1269	1738							2289	2921	2921			
54.4			1105	1559	1728	1486	1154	5.40	1.50	1.29	2077	2659	2659	DWG14	SM16	NJ2212GK
45	573	880	1269	1738							2289	2921	2921			
54.4			1105	1559	1728	1486	1154	10.80	1.50	1.29	2077	2659	2659	DWG13	SM16	J2212GK
45	573	880	1269	1738							2289	2921	2921			
54.4			1105	1559	1728	1486	1154	10.80	1.50	1.29	2077	2659	2659	DWG14	SM16	NJ2212GK
45	573	880	1269	1738							2289	2921	2921			
54.4			1105	1559	1728	1486	1332	2.00	1.30	1.12	2077	2659	2659	DWG13	SM18	J2212GS
45	573	880	1269	1738							2289	2921	2921			
54.4			1105	1559	1728	1486	1332	2.00	1.30	1.12	2077	2659	2659	DWG14	SM18	NJ2212GS
45	573	880	1269	1738							2289	2921	2921			

**FREQUENCY APPLICATION REFRIGERANT**  
**60Hz MBP R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C													Drawings		MODEL
	Subcooled conditions W													External View	Wiring Diagram	
	Rated Point +7.2°C															
°C	-20	-15	-10	-5	0	+5	Cooling		W. input	Current	EER		+10	ref.	ref.	
							W	kcal/h	W	A	W/W	kcal/hW				
54.4			344	431	530	642	695	598	379	4.70	1.83	1.57	767	DWG04	SM04	NB6144GK
45	260	330	415	515	630	759							903			
54.4			400	494	603	722	785	675	478	2.80	1.64	1.41	860	DWG04	SM04	NB6152GK
45	330	398	484	590	712	852							1010			
54.4			420	518	630	755	815	701	467	5.30	1.74	1.50	894	DWG04	SM04	NB6152GK
45	322	404	502	616	746	893							1055			
54.4			496	611	743	890	960	826	605	7.10	1.59	1.37	1054	DWG04	SM04	NB6165GK
45	378	471	585	718	872	1045							1239			
54.4			535	620	715	858	920	790	616	3.40	1.49	1.28	1015	DWG04	SM04	NB6165GK
45	408	490	590	710	850	1020							1210			
54.4			588	754	941	1148	1246	1072	584	6.60	2.13	1.83	1377	DWG04	SM04	NE6181GK
45	429	567	731	921	1138	1380							1649			
54.4			713	898	1104	1333	1441	1239	748	4.30	1.93	1.66	1584	DWG04	SM04	NE6210GK
45	551	702	884	1097	1341	1615							1920			
54.4			713	904	1119	1358	1470	1264	736	8.00	2.00	1.72	1620	DWG04	SM04	NE6210GK
45	539	697	886	1104	1352	1630							1939			
54.4			1007	1256	1543	1867	2021	1738	1026	9.10	1.97	1.69	2228	DWG04	SM06	NE9213GK
45	764	978	1230	1522	1853	2224							2633			
54.4			1007	1256	1543	1867	2021	1738	1026	9.10	1.97	1.69	2228	DWG04	SM06	NE9213GK
45	764	978	1230	1522	1853	2224							2633			
54.4			430	525	628	744	800	688	389	2.25	2.07	1.77	872	DWG04	SM04	NEK6144GK
45	328	408	505	620	754	905							1075			
54.4			614	743	894	1066	1150	990	584	6.14	1.97	1.69	1260	DWG04	SM04	NEK6165GK
45	481	586	714	866	1043	1245							1472			



**REFRIGERANT APPLICATION FREQUENCY**  
**R 404A / R 507 MBP 60Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NEK6181GK	7.28	0.44	957MD	208-230V 60Hz / 200V 50Hz 1~	CSIR	17.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6181GK	7.28	0.44	957MG	115V 60Hz / 100V 50Hz 1~	CSIR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4	F
NEK6210GK	8.78	0.54	958CG	115V 60Hz / 100V 50Hz 1~	CSIR	38.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9	F
NEK6213GK	12.12	0.74	959BG	115V 60Hz / 100V 50Hz 1~	CSIR	51.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
NEK6213GK	12.12	0.74	959BG	115V 60Hz / 100V 50Hz 1~	CSIR	51.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1	F
T6217GK	14.50	0.89	931AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	30.0	C/V	550	20.0	POE 22	16.9	37.3	221.0	8.7	F
T6217GK	14.50	0.89	931AG	115V 60Hz / 100V 50Hz 1~	CSIR	57.0	C/V	550	20.0	POE 22	16.9	37.3	221.0	8.7	F
T6220GK	17.40	1.06	931BD	208-230V 60Hz / 200V 50Hz 1~	CSR	30.0	C/V	550	20.0	POE 22	15.8	34.8	221.0	8.7	F
T6220GK	17.40	1.06	931BG	115V 60Hz / 100V 50Hz 1~	CSIR	57.0	C/V	550	20.0	POE 22	15.8	34.8	221.0	8.7	F
T6222GK	20.40	1.24	936VD	208-230V 60Hz / 200V 50Hz 1~	CSR	34.0	C/V	550	20.0	POE 22	16.7	36.8	221.0	8.7	F
T6222GK	20.40	1.24	936VG	115V 60Hz / 100V 50Hz 1~	CSR	71.0	C/V	550	20.0	POE 22	16.7	36.8	221.0	8.7	F
J9226GK	21.70	1.32	964LD	208-230V 60Hz / 200V 50Hz 1~	CSR	34.0	C/V	890	31.0	POE 22	22.1	48.7	265.0	10.4	F
NJ9226GK	21.70	1.32	944LD	208-230V 60Hz / 200V 50Hz 1~	CSR	34.0	C/V	750	26.0	POE 22	22.1	48.7	265.0	10.4	F
J9226GS	21.70	1.32	968LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	890	31.0	POE 22	19.7	43.4	265.0	10.4	F
NJ9226GS	21.70	1.32	948LM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	10.0	C/V	750	26.0	POE 22	19.7	43.4	265.0	10.4	F
J9232GK	26.20	1.60	963ND	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	890	31.0	POE 22	21.8	48.1	277.0	10.9	F
NJ9232GK	26.20	1.60	943ND	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	750	26.0	POE 22	21.8	48.1	277.0	10.9	F
J9232GS	26.20	1.60	967NM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	890	31.0	POE 22	22.1	48.7	277.0	10.9	F
NJ9232GS	26.20	1.60	947NM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	13.0	C/V	750	26.0	POE 22	22.1	48.7	277.0	10.9	F
J9238GS	32.70	2.00	967RM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	POE 22	21.7	47.8	277.0	10.9	F
NJ9238GS	32.70	2.00	947RM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	POE 22	21.7	47.8	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 407C AC 60Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
J7231GP	26.20	1.60	968CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	890	31.0	POE 22	20.1	44.3	265.0	10.4	F
NJ7231GP	26.20	1.60	948CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	18.0	C/V	750	26.0	POE 22	20.1	44.3	265.0	10.4	F
J7240GP	34.37	2.10	967CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	890	31.0	POE 22	21.4	47.2	277.0	10.9	F
NJ7240GP	34.37	2.10	947CM	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	22.0	C/V	750	26.0	POE 22	21.4	47.2	277.0	10.9	F

Note: Please check Test Conditions on page 30.

**REFRIGERANT APPLICATION FREQUENCY**  
**R 600a LBP 60Hz**

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A		Cooling Type
	cm <sup>3</sup>	in <sup>3</sup>						Charge	Type	kg	lb	mm	in		
NB1116Y	12.30	0.75	887BG	115V 60Hz / 100V 50Hz 1~	RSIR RSCR	19.0	C	350	12.0	MO 15	9.5	20.9	187.0	7.4	S
NBM1112Y	8.40	0.51	887DD	208-230V 60Hz / 200V 50Hz 1~	RSIR RSCR	8.4	C	350	12.0	MO 15	10.1	22.3	187.0	7.4	S
NBM1116Y	12.30	0.75	888AU	220V 60Hz 1~	RSIR RSCR	7.1	C	350	12.0	MO 15	10.7	23.6	200.0	7.9	S

Note: Please check Test Conditions on page 30.

**FREQUENCY**  
**60Hz**

**APPLICATION**  
**MBP**

**REFRIGERANT**  
**R 404A / R 507**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W													Drawings		MODEL	
	°C	-20	-15	-10	-5	0	+5	Rated Point +7.2°C		W/W	EER	kcal/hW	+10	External View ref.	Wiring Diagram ref.		
								W	kcal/h								W. input W
54.4				674	812	985	1190	1290	1110	624	3.60	2.07	1.78	1430	DWG04	SM04	NEK6181GK
45	516	643	796	977	1185	1420								1682			
54.4			667	790	949	1147	1247	1072	619	6.70	2.01	1.73	1383	DWG04	SM04	NEK6181GK	
45	441	588	762	956	1173	1410							1671				
54.4			823	998	1207	1451	1569	1349	756	8.18	2.07	1.78	1728	DWG04	SM04	NEK6210GK	
45	647	793	972	1185	1431	1713							2023				
54.4			1064	1289	1541	1870	1951	1678	1151	12.82	1.69	1.46	2124	DWG04	SM04	NEK6213GK	
45	816	1005	1231	1459	1797	2136							2514				
54.4			1089	1329	1605	1917	2067	1777	1055	10.55	1.96	1.68	2265	DWG04	SM06	NEK6213GK	
45	829	1028	1268	1547	1866	2225							2624				
54.4			1122	1428	1769	2144	2321	1996	1268	6.90	1.83	1.57	2555	DWG08	SM08	T6217GK	
45	795	1079	1398	1754	2145	2572							3035				
54.4			1122	1428	1769	2144	2321	1996	1250	13.00	1.86	1.60	2555	DWG12	SM10	T6217GK	
45	795	1079	1398	1754	2145	2572							3035				
54.4			1358	1721	2132	2591	2808	2415	1324	6.50	2.12	1.82	3097	DWG12	SM12	T6220GK	
45	1017	1307	1650	2046	2495	2997							3551				
54.4			1358	1721	2132	2591	2808	2415	1557	15.20	1.80	1.55	3097	DWG12	SM10	T6220GK	
45	1017	1307	1650	2046	2495	2997							3551				
54.4			1682	2093	2551	3058	3296	2835	1668	8.10	1.98	1.70	3612	DWG12	SM12	T6222GK	
45	1225	1621	2065	2559	3102	3693							4334				
54.4			1682	2093	2551	3058	3296	2835	1668	15.90	1.98	1.70	3612	DWG12	SM12	T6222GK	
45	1225	1621	2065	2559	3102	3693							4334				
54.4			1853	2338	2890	3508	3801	3269	1675	8.40	2.27	1.95	4194	DWG13	SM17	J9226GK	
45	1363	1764	2249	2819	3472	4210							5032				
54.4			1853	2338	2890	3508	3801	3269	1675	8.40	2.27	1.95	4194	DWG14	SM17	NJ9226GK	
45	1363	1764	2249	2819	3472	4210							5032				
54.4			1853	2338	2890	3508	3801	3269	1521	2.40	2.50	2.15	4194	DWG13	SM18	J9226GS	
45	1363	1764	2249	2819	3472	4210							5032				
54.4			1853	2338	2890	3508	3801	3269	1521	2.40	2.50	2.15	4194	DWG14	SM18	NJ9226GS	
45	1363	1764	2249	2819	3472	4210							5032				
54.4			2270	2873	3562	4336	4704	4045	1960	9.70	2.40	2.06	5196	DWG13	SM17	J9232GK	
45	1662	2154	2754	3462	4277	5200							6230				
54.4			2270	2873	3562	4336	4704	4045	1960	9.70	2.40	2.06	5196	DWG14	SM17	NJ9232GK	
45	1662	2154	2754	3462	4277	5200							6230				
54.4			2270	2873	3562	4336	4704	4045	1887	3.00	2.49	2.14	5196	DWG13	SM18	J9232GS	
45	1662	2154	2754	3462	4277	5200							6230				
54.4			2270	2873	3562	4336	4704	4045	1887	3.00	2.49	2.14	5196	DWG14	SM18	NJ9232GS	
45	1662	2154	2754	3462	4277	5200							6230				
54.4			2825	3527	4326	5222	5647	4856	2223	4.10	2.54	2.18	6216	DWG13	SM18	J9238GS	
45	2158	2778	3499	4320	5243	6267							7391				
54.4			2825	3527	4326	5222	5647	4856	2223	4.10	2.54	2.18	6216	DWG14	SM18	NJ9238GS	
45	2158	2778	3499	4320	5243	6267							7391				

**FREQUENCY**  
**60Hz**

**APPLICATION**  
**AC**

**REFRIGERANT**  
**R 407C**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W											Drawings		MODEL
	°C	0	+5	Rated Point +7.2°C		W/W	EER	kcal/hW	+10	+15	External View ref.	Wiring Diagram ref.		
				W	kcal/h								W. input W	
54.4		3049	3778	4126	3548	1733	3.40	2.38	2.05	4583	5464	DWG13	SM18	J7231GP
45		3595	4415							5329	6337			
54.4		3049	3778	4126	3548	1733	3.40	2.38	2.05	4583	5464	DWG14	SM18	NJ7231GP
45		3595	4415							5329	6337			
54.4		4000	4956	5413	4655	2274	4.20	2.38	2.05	6012	7167	DWG13	SM18	J7240GP
45		4716	5793							6992	8313			
54.4		4000	4956	5413	4655	2274	4.20	2.38	2.05	6012	7167	DWG14	SM18	NJ7240GP
45		4716	5793							6992	8313			

**FREQUENCY**  
**60Hz**

**APPLICATION**  
**LBP**

**REFRIGERANT**  
**R 600a**

Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled conditions W											Drawings		MODEL			
	°C	-30	-25	Rated Point -23.3°C				W/W	EER	kcal/hW	-20	-15	-10		-5	External View ref.	Wiring Diagram ref.
				W	kcal/h	W. input W	Current A										
54.4			220	189	172	2.70	1.29	1.11	260	330	411	504	DWG02	SM00	NB1116Y		
45	170	202	215						274	346	432	532					
54.4			150	129	124	1.00	1.22	1.05	179	228	283	345	DWG02	SM00	NBM1112Y		
45	113	137	147						189	239	299	367					
54.4			224	193	168	1.00	1.34	1.15	263	334	418	515	DWG02	SM00	NBM1116Y		
45	175	206	220						281	357	448	555					

## GENERAL INFORMATION

### Motor Type

Type	Description
RSIR	Resistive Start Inductive Run
RSCR	Resistive Start Capacitive Run
CSIR	Capacitive Start Inductive Run
CSR	Capacitive Start and Run
PSC	Permanent Split Capacitor
THREE PHASE	Star Connection

### Cooling Types

Type	Description
S	(Static cooling) - the compressor doesn't need forced cooling, but it must be installed in order to guarantee natural air circulation by convection, to avoid overheating.
F	(Fan cooling) - the compressor needs forced cooling by the use of a motor fan.
OC	(Oil Cooling) - coil positioned in the lower internal part of the housing, immersed in the lubricant, where the gas coming from the first part of the heat exchanger circuit cools the lubricant.

### Conversion

1 watt	3.41 Btu/h
1 watt	0.86 kcal/h
1 kcal/h	3.97 Btu/h

### Expansion Devices

Type	Description
C	Capillary
V	Expansion valve

### Lubricant Used

Code	Type
AB	alkylbenzene
MO	mineral
POE	polyolester

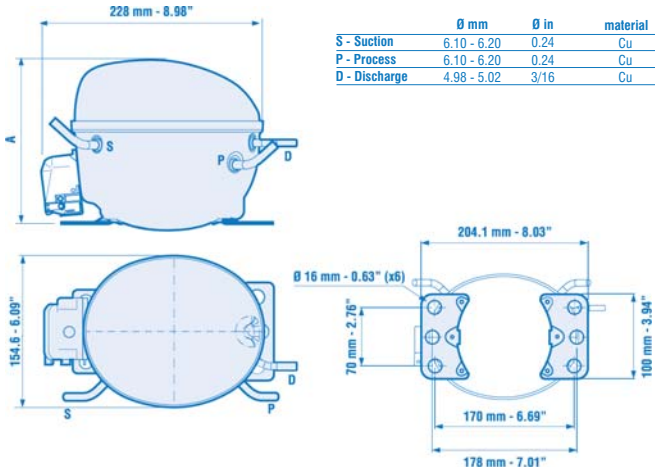
### Test Conditions

Temperature	Subcooled Liquid Conditions					
	LBP		MBP-HBP		AC	
	°C	°F	°C	°F	°C	°F
Evaporating	-23.3	-10.0	7.2	45.0	7.2	45.0
Condensing	54.4	130.0	54.4	130.0	54.4	130.0
Gas & Ambient	32.2	90.0	35.0	95.0	35.0	95.0
Liquid	32.2	90.0	-	-	-	-
Liquid Subcooling	-	-	8.3	15.0	8.3	15.0

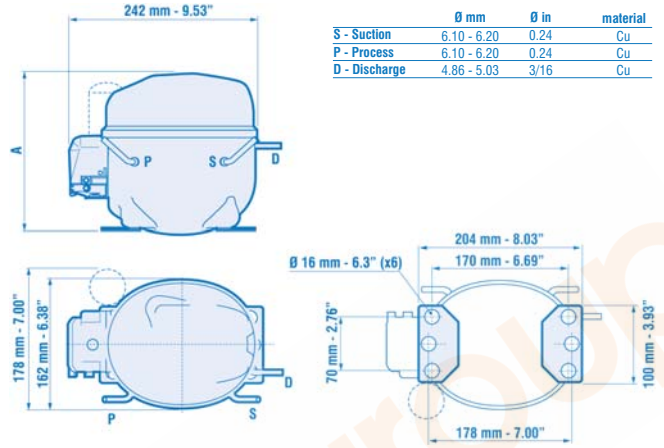
**Note:** After replacement, the compressor and its accessories must have proper processing, and the components must be recycled according to the material group (ferrous, non-ferrous, polymers, oils, ...) directives. These recommendations are intended to minimize the adverse impacts that may be caused to the environment.

# EXTERNAL VIEWS

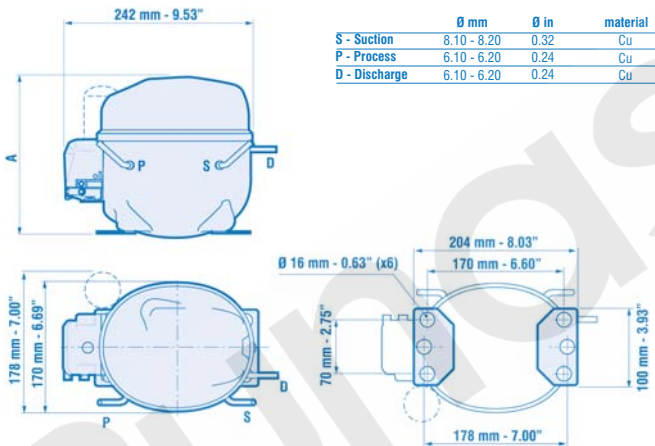
## DWG 01 EM SERIES European Base Plate



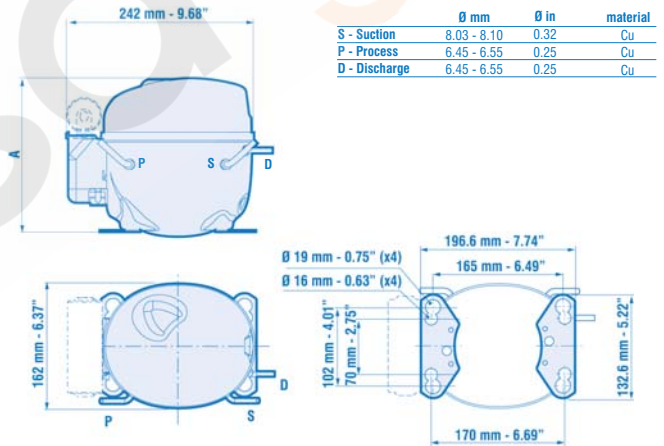
## DWG 02 NB/NE SERIES European Base Plate



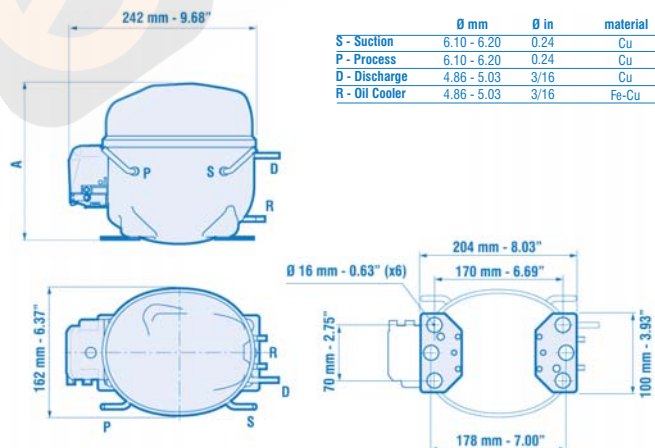
## DWG 03 NB/NE SERIES European Base Plate



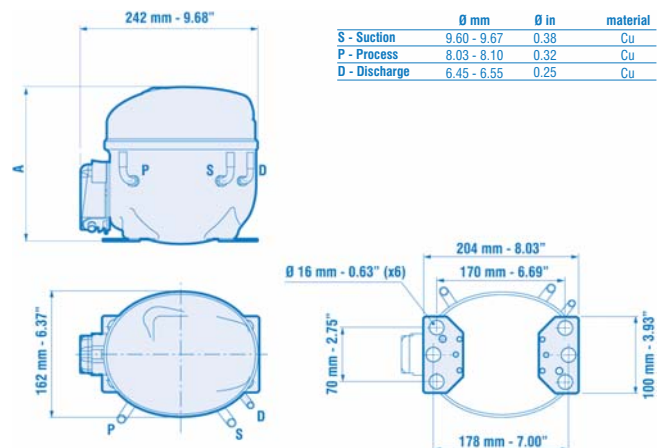
## DWG 04 NB/NE SERIES Universal Base Plate



## DWG 05 NB/NE SERIES Oil Cooler

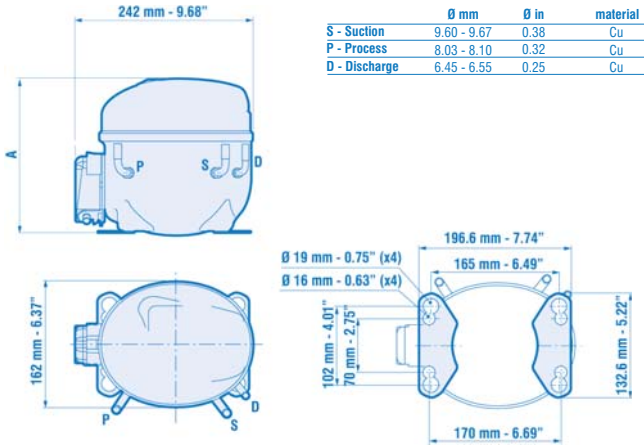


## DWG 06 NE SERIES Air Conditioning European Base Plate

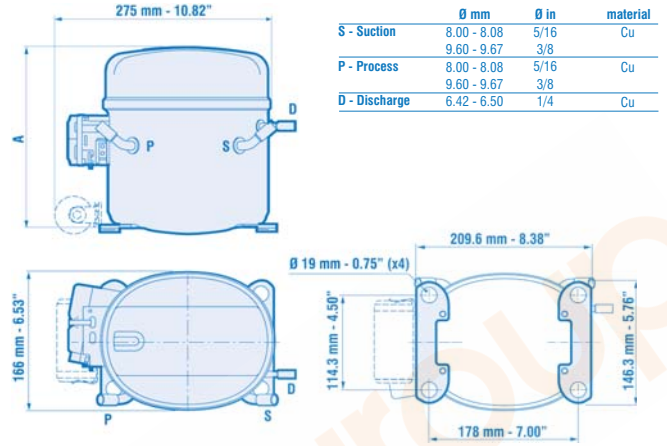




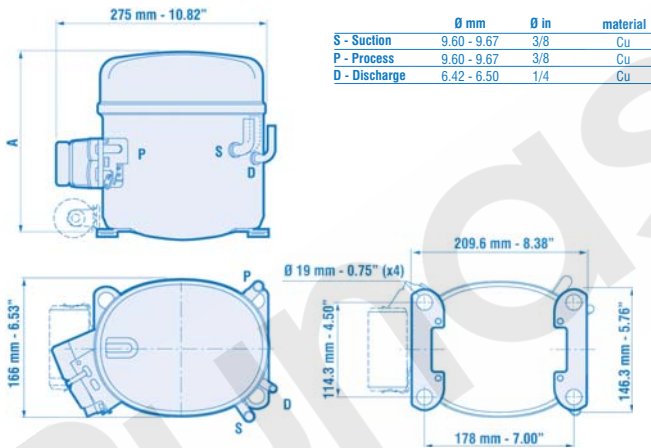
### DWG 07 NE SERIES Air Conditioning Universal Base Plate



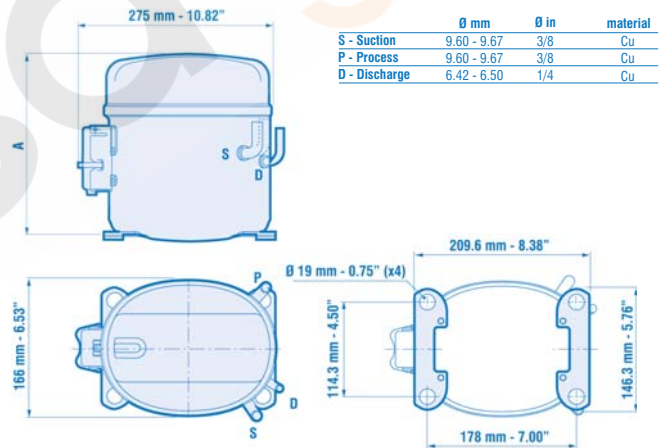
### DWG 08 T SERIES Terminal Board



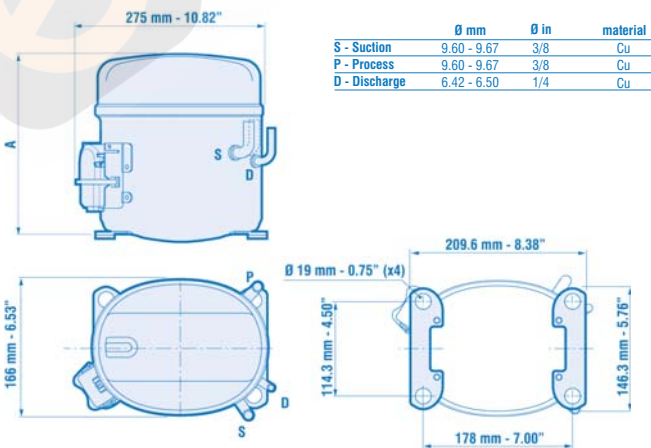
### DWG 09 T SERIES Air Conditioning Terminal Board



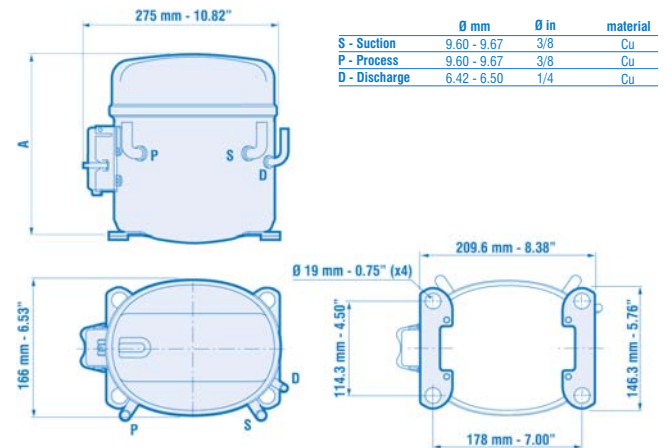
### DWG 10 T SERIES Air Conditioning Standard Cover



### DWG 11 T SERIES Air Conditioning Standard Cover

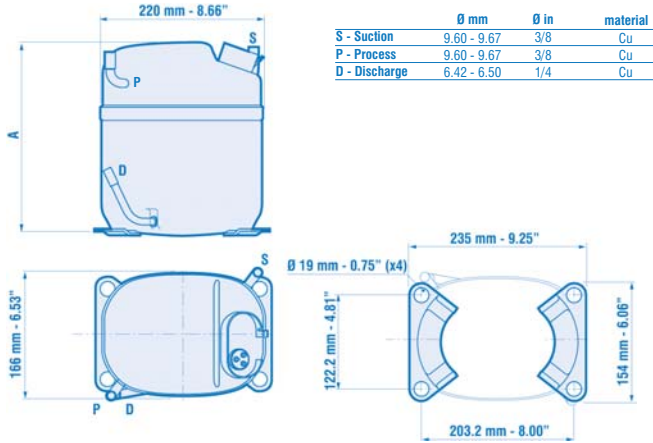


### DWG 12 T SERIES Air Conditioning Standard Cover

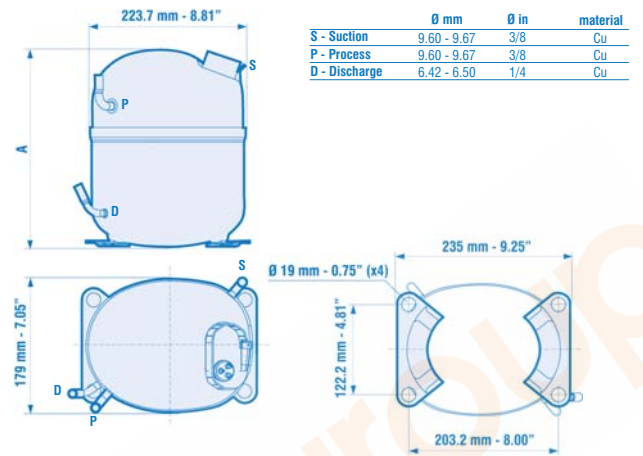


# EXTERNAL VIEWS

## DWG 13 J SERIES

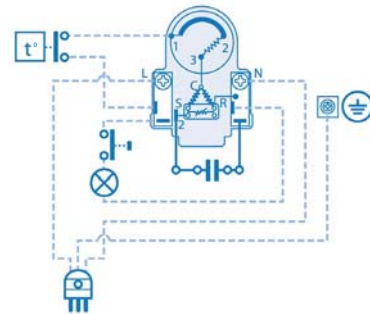
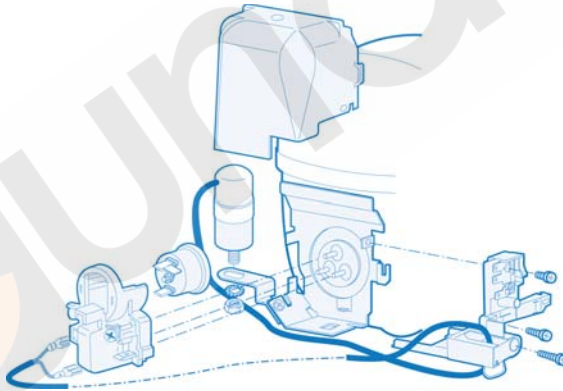


## DWG 14 NJ SERIES

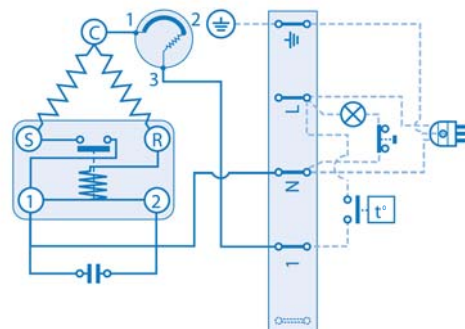
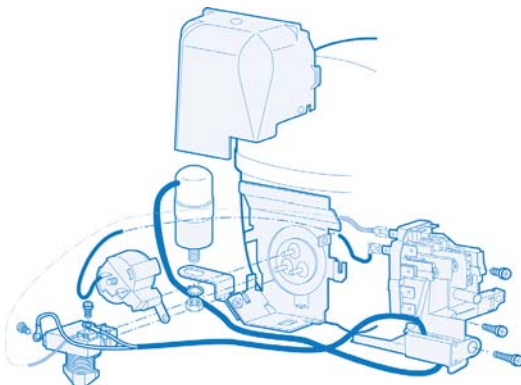


# WIRING DIAGRAMS

## SM 00 EM - BP - NB/NE SERIES RSIR - RSCR PTC Integrated Start Device - European Version

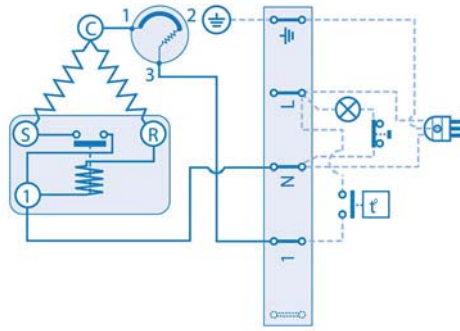
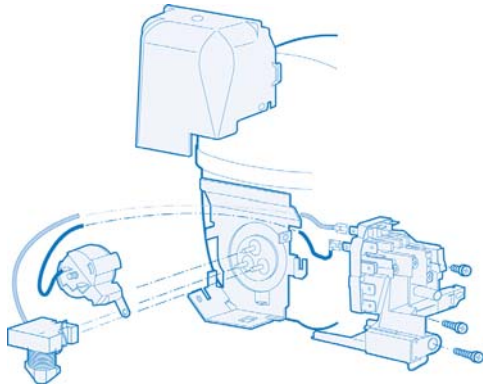


## SM 01 EM - BP - NB/NE SERIES RSIR - RSCR PTC Terminal Board & Start Relay

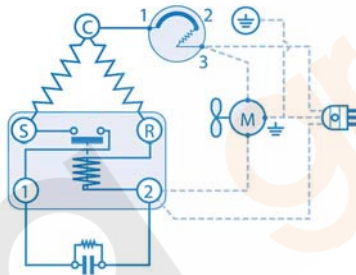
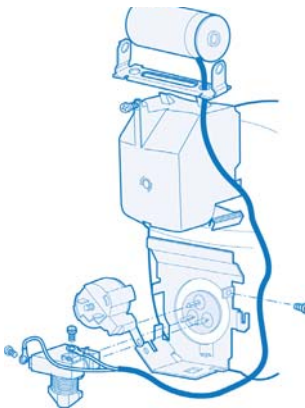




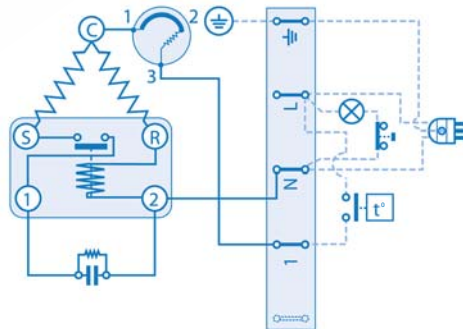
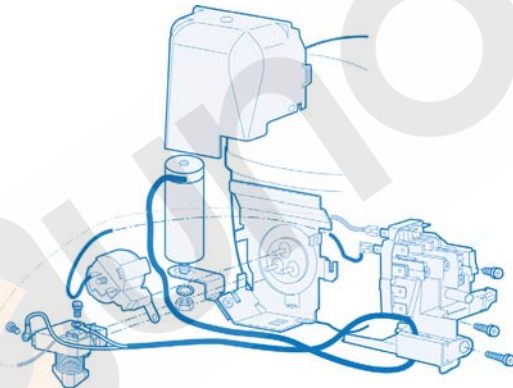
**SM 03 NB/NE SERIES RSIR Terminal Board & Start Device**



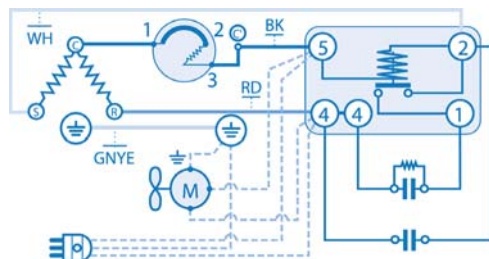
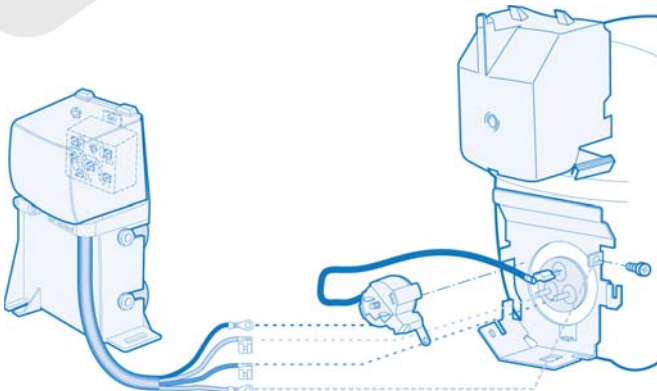
**SM 04 NB/NE SERIES CSIR Cord Anchorage & Start Device - American Version**



**SM 05 NB/NE SERIES CSIR Terminal Board & Start Device**

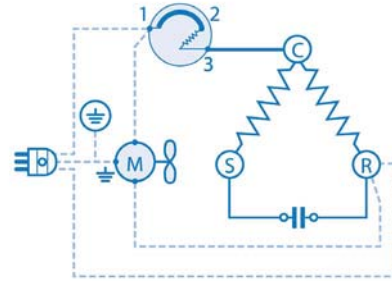
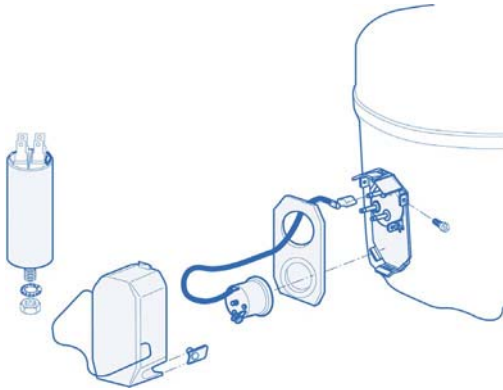


**SM 06 NB/NE SERIES CSR Box**

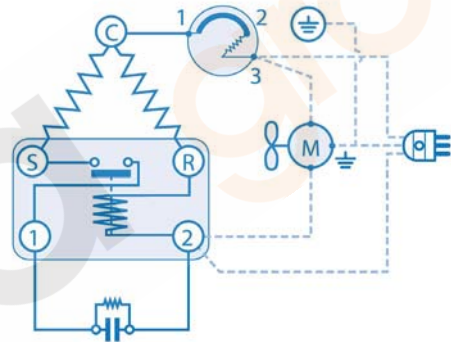
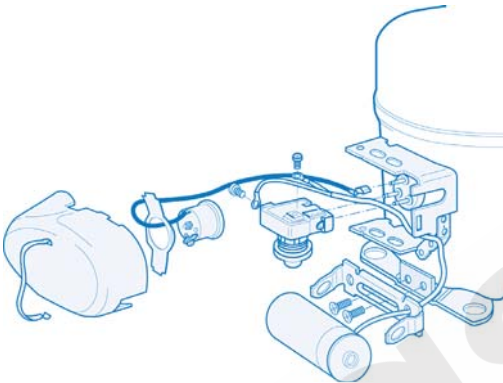


# WIRING DIAGRAMS

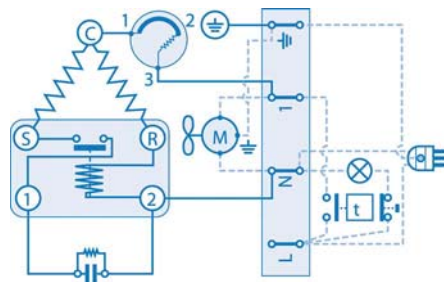
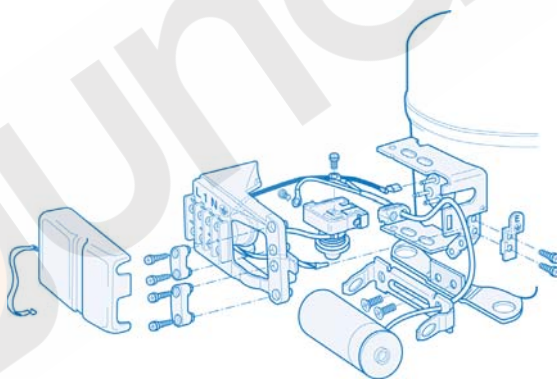
## SM 07 NE SERIES PSC



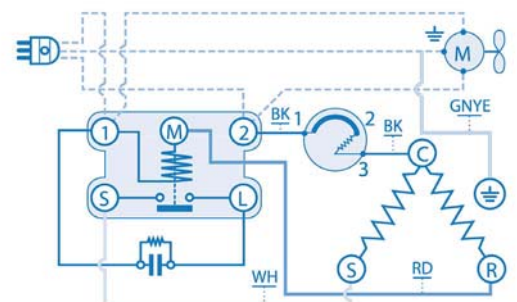
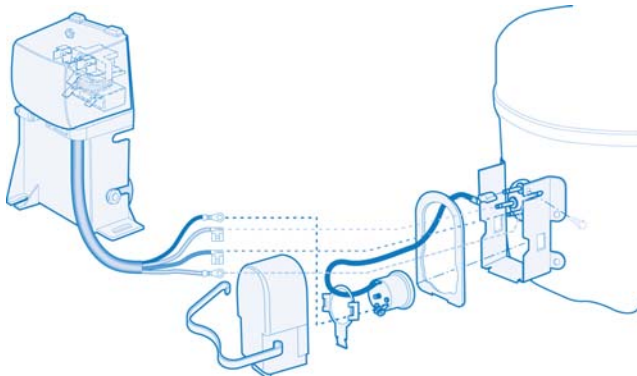
## SM 08 T SERIES CSIR Standard Cover



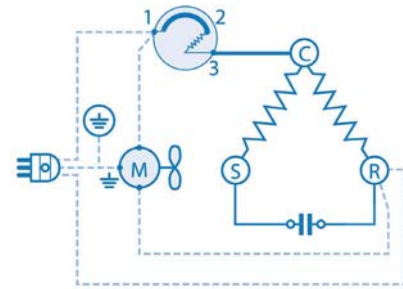
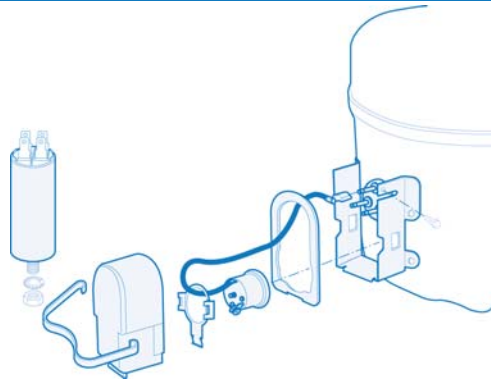
## SM 09 T SERIES CSIR Terminal Board



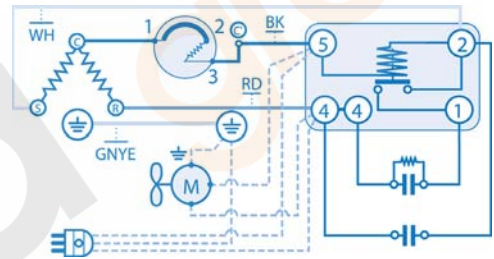
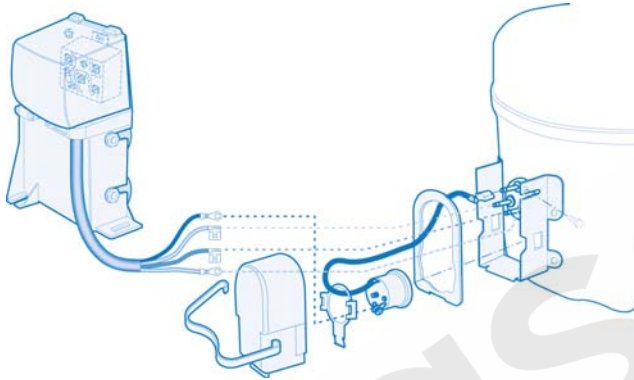
## SM 10 T SERIES CSIR Box



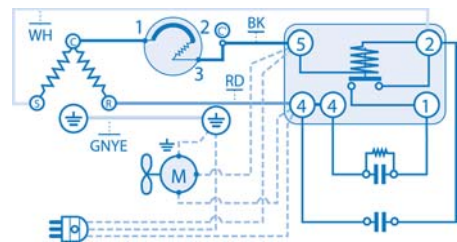
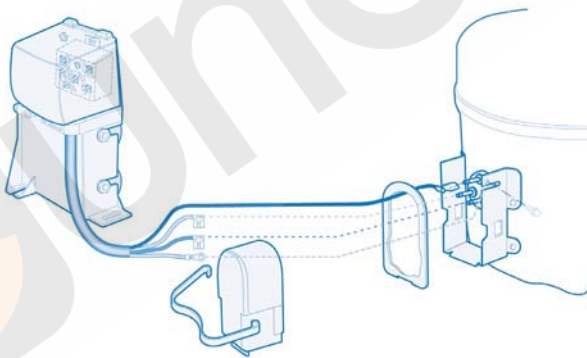
**SM 11 T SERIES PSC**



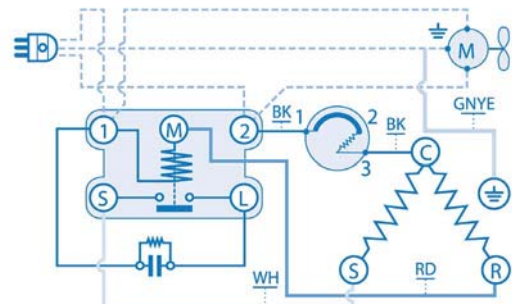
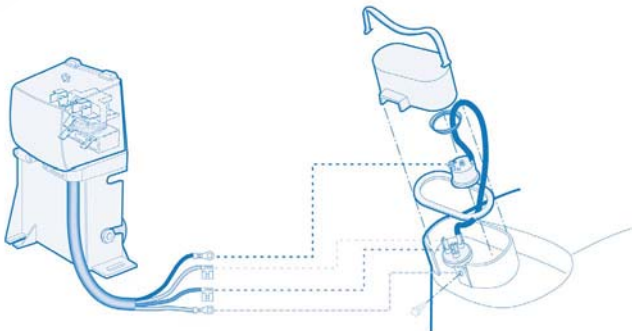
**SM 12 T SERIES CSR Box**



**SM 13 T SERIES CSR Box (Internal Overload Protector)**



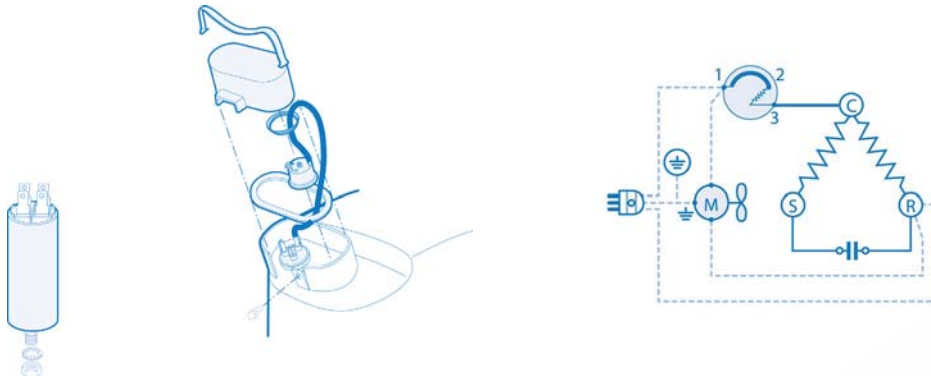
**SM 14 J SERIES CSIR Box**



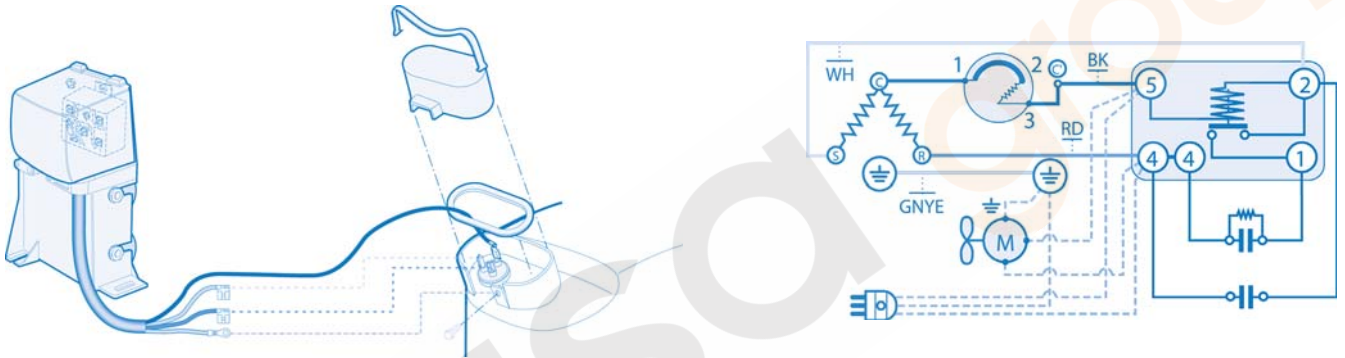


# WIRING DIAGRAMS

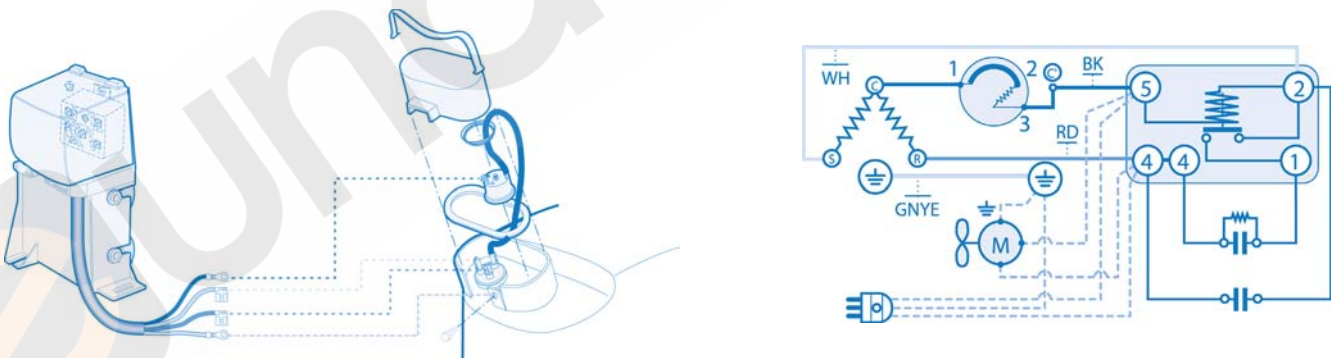
## SM 15 J SERIES PSC



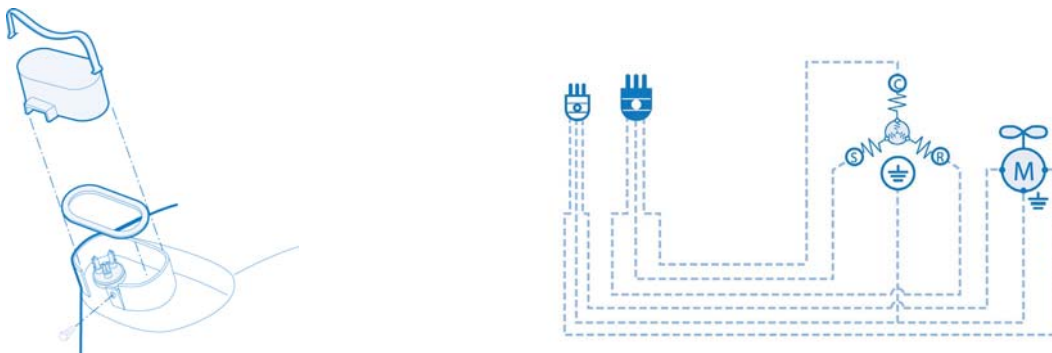
## SM 16 J SERIES CSR Box (Internal Overload Protector)



## SM 17 J SERIES CSR Box

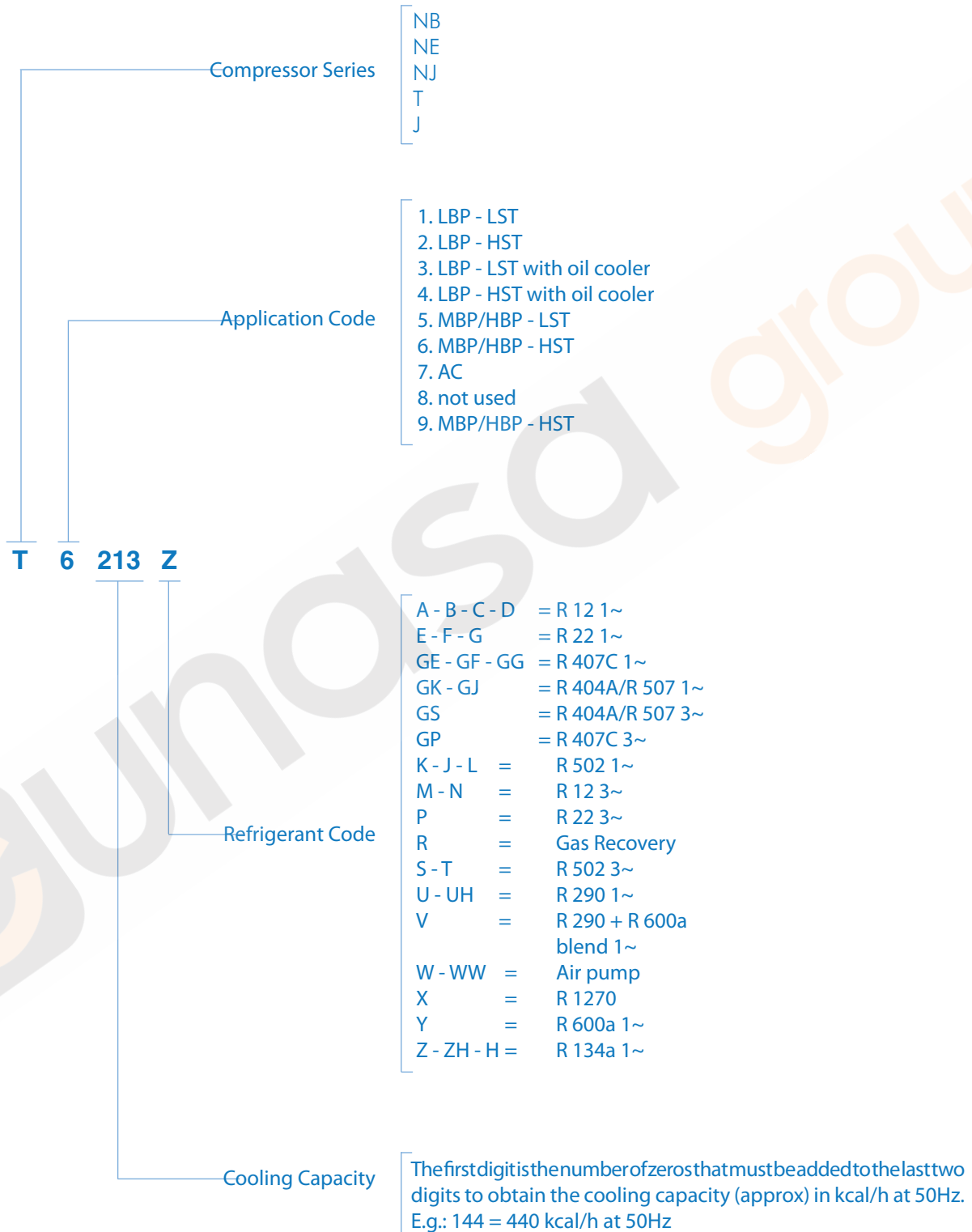


## SM 18 J SERIES 3-Phase



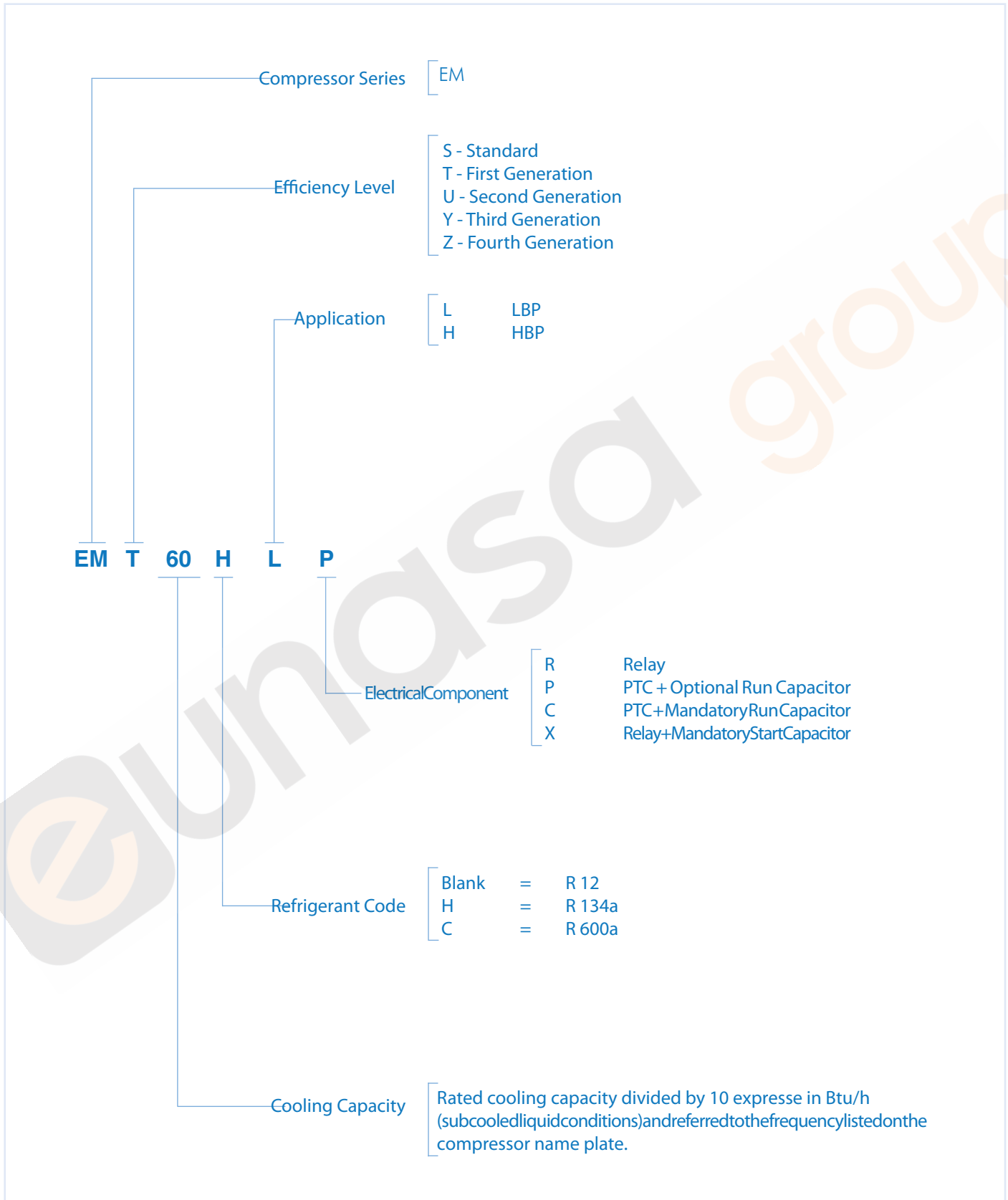
# NOMENCLATURE

## COMPRESSOR MODEL



# NOMENCLATURE

## COMPRESSOR MODEL





# NOMENCLATURE

## BILL OF MATERIAL

Model Code

**247A**

**A**

External Execution Code

**02**

Supply Code

- A = 220-240V 50Hz 1~
- B = 200-230V 50Hz / 208-230V 60Hz 1~
- C = 220V 50Hz 1~
- D = 208-230V 60Hz / 200V 50Hz 1~
- G = 115V 60Hz / 100V 50Hz 1~
- H = 265-277V 60Hz 1~
- I = 200-220V 60Hz 1~
- J = 230V 60Hz / 200V 50Hz 1~
- K = 200-220V 50Hz / 230V 60Hz 1~
- L = 200-240V 50Hz / 230V 60Hz 3~
- M = 380-420V 50Hz / 440-480V 60Hz 3~
- N = 200-240V 50Hz / 230V 60Hz 1~
- Q = 100V 50/60Hz 1~
- T = 220-230V 50Hz 1~
- U = 220V 60Hz 1~
- V = 230V 50Hz 1~
- W = 220V 50/60Hz 1~
- Z = 200 - 230V ~ 60Hz 1~



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