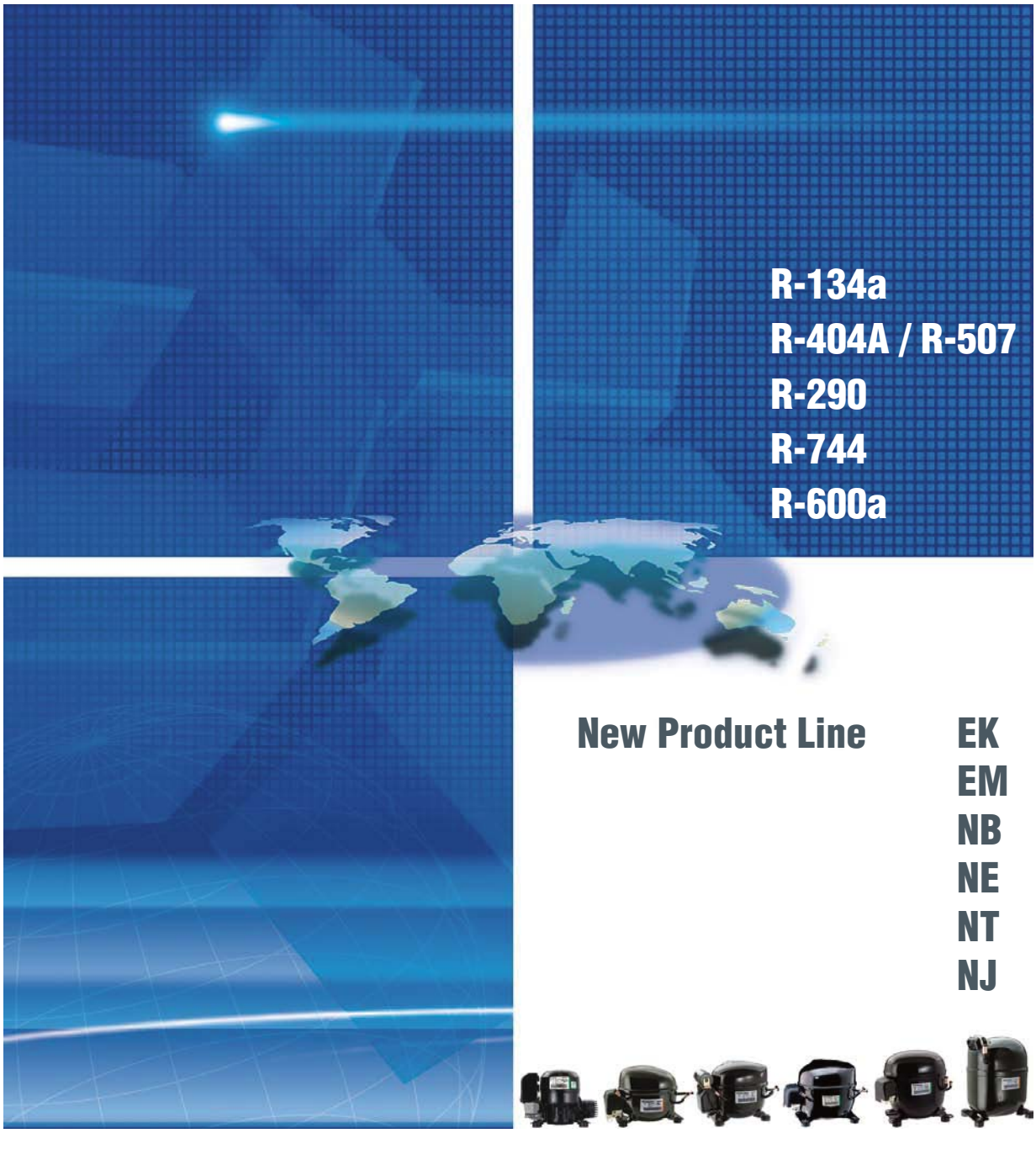
HERMETIC COMPRESSORS



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General Data and Performance — Page

Warning All data is subject to change without further notice.

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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	
								Charge		Type				
	cm^3	in^3				A		cm^3	oz^3		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	158.0	6.2
EMT36HLP	3.97	0.24	192CA	220-240V 50Hz 1~	RSIR-RSCR	3.8	C	180	6.2	POE 10	7.5	16.5	166.0	6.5
EMT43HLP	4.85	0.30	192DA	220-240V 50Hz 1~	RSIR-RSCR	4.7	C	180	6.2	POE 10	7.5	16.5	166.0	6.5
EMT49HLP	5.56	0.34	192EA	220-240V 50Hz 1~	RSIR-RSCR	4.8	C	180	6.2	POE 10	7.7	17.0	166.0	6.5
EMT60HLP	6.76	0.41	192GA	220-240V 50Hz 1~	RSIR-RSCR	6.2	C	180	6.2	POE 10	7.7	17.0	166.0	6.5
NBT1114Z	6.20	0.38	297AA	220-240V 50Hz 1~	RSIR-RSCR	5.1	C	350	6.2	POE 10	10.2	22.5	187.0	7.4
NBT1116Z	7.40	0.45	298AA	220-240V 50Hz 1~	RSIR-RSCR	5.3	C	350	6.2	POE 10	10.8	23.8	200.0	7.9
NBT1118Z	8.40	0.51	298BA	220-240V 50Hz 1~	RSIR-RSCR	6.9	C	350	6.2	POE 10	10.8	23.8	200.0	7.9
NEK1121Z	9.27	0.57	269FA	220-240V 50Hz 1~	RSIR	23.0	C	350	12.0	POE 22	11.6	25.6	206.0	8.1
NE2121Z	9.27	0.57	262BA	220-240V 50Hz 1~	CSIR	12.6	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
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	200.0	7.9
NE1130Z	12.12	0.74	263IK	200-220V 50Hz / 230V 60Hz	RSIR	22.0	C	350	12.0	POE 22	11.0	24.3	200.0	7.9
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	200.0	7.9
NE1130Z	12.12	0.74	262CA	220-240V 50Hz 1~	RSIR	16.3	C	350	12.0	POE 22	11.0	24.3	200.0	7.9
NE2130Z	12.12	0.74	262DA	220-240V 50Hz 1~	CSIR	13.2	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
NEK3130Z	12.12	0.74	269CA	220-240V 50Hz 1~	RSIR	16.0	C	350	12.0	POE 22	11.6	25.6	206.0	8.1
NE2134Z	14.28	0.87	263CA	220-240V 50Hz 1~	CSIR	17.0	C/V	350	12.0	POE 22	11.5	25.4	206.0	8.1
NEK2140Z	16.80	1.02	269GA	220-240V 50Hz 1~	CSIR	16.9	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1
NEK1140Z	16.80	1.02	269IA	220-240V 50Hz 1~	RSIR	23.0	C	350	12.0	POE 22	11.6	25.6	206.0	8.1

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	LBP	R-134a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W												Drawings		MODEL
				Rated Point -23.3°C										External View	Wiring Diagram	
				Cooling		W. Input	Current	EER								
	C	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	-5	ref.	ref.	
S	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			
S	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			
S	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			
S	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			
S	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			
S	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			
S	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			
S	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			
S	54.4		220	248	213	195	1.41	1.27	1.09	296	388	495	618	DWG03	SM03	NEK1121Z
	45	178	238							315	408	518	642			
F	54.4		226	250	215	204	1.40	1.22	1.05	301	391	496	618	DWG03	SM05	NE2121Z
	45	182	242							319	411	519	640			
F	54.4		229	252	217	198	1.40	1.27	1.09	303	393	497	618	DWG03	SM05	NE2121Z
	45	184	245							322	412	518	640			
F	54.4		293	322	277	245	2.47	1.32	1.14	385	495	623	772	DWG03	SM03	NE1130Z
	45	235	313							408	520	650	800			
F	54.4		283	314	270	260	2.10	1.21	1.04	375	482	604	742	DWG03	SM05	NE2130Z
	45	228	299							388	495	620	763			
F	54.4		293	322	277	245	1.50	1.32	1.14	385	495	623	772	DWG03	SM03	NE1130Z
	45	235	313							408	520	650	800			
F	54.4		313	344	296	260	2.10	1.32	1.14	409	525	660	817	DWG03	SM05	NE2130Z
	45	254	332							430	547	684	843			
OC	54.4		313	344	296	256	1.85	1.34	1.16	412	531	671	830	DWG05	SM03	NEK3130Z
	45	255	333							432	553	696	860			
F	54.4		324	356	306	291	2.30	1.22	1.05	438	556	706	880	DWG03	SM05	NE2134Z
	45	263	345							453	585	741	921			
F	54.4		394	436	375	340	2.35	1.28	1.10	520	670	848	1015	DWG03	SM05	NEK2140Z
	45	318	420							552	710	896	1110			
F	54.4		394	437	376	348	2.36	1.26	1.08	526	683	864	1070	DWG03	SM03	NEK1140Z
	45	314	426							565	728	916	1132			

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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	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EMT2117GK	4.50	0.27	912BA	220-240V 50Hz 1~	CSIR	7.7	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT2121GK	5.20	0.32	912CA	220-240V 50Hz 1~	CSIR	8.5	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT2125GK	5.96	0.36	912DA	220-240V 50Hz 1~	CSIR	9.8	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
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
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
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
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
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
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
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
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
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
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
NEK2168GK	14.30	0.87	959HA	220-240V 50Hz 1~	CSIR	24.0	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NEK2168GK	14.30	0.87	959FA	220-240V 50Hz 1~	CSR	18.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NT2168GK	14.50	0.88	922DN	200-240V 50Hz / 230V 60Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	16.8	37.0	220.0	8.7
NT2168GK	14.50	0.88	922DN	200-240V 50Hz / 230V 60Hz 1~	CSR	25.0	C/V	450	15.7	POE 22	16.8	37.0	220.0	8.7
NT2178GK	17.40	1.06	922EN	200-240V 50Hz / 230V 60Hz 1~	CSIR	26.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2178GK	17.40	1.06	922EN	200-240V 50Hz / 230V 60Hz 1~	CSR	26.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2178GK	17.40	1.06	922EC	220V 50Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2178GK	17.40	1.06	922EC	220V 50Hz 1~	CSR	25.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2180GK	20.40	1.24	922HC	220V 50Hz 1~	CSR	26.5	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2178GK	17.40	1.06	922EA	220-240V 50Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2178GK	17.40	1.06	922EA	220-240V 50Hz 1~	CSR	25.0	C/V	450	15.7	POE 22	17.2	37.9	220.0	8.7
NT2180GK	20.40	1.24	923HA	220-240V 50Hz 1~	CSIR	35.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT2180GK	20.40	1.24	923HA	220-240V 50Hz 1~	CSR	35.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT2192GK	22.40	1.37	923EA	220-240V 50Hz 1~	CSIR	35.0	C/V	450	15.7	POE 22	17.8	40.0	234.0	9.2
NT2192GK	22.40	1.37	923EA	220-240V 50Hz 1~	CSR	35.0	C/V	450	15.7	POE 22	17.8	40.0	234.0	9.2
NT2212GK	27.80	1.70	925DA	220-240V 50Hz 1~	CSR	33.0	C/V	650	22.7	POE 22	18.3	40.0	250.0	9.8
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
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

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature ºC — Subcooled Conditions W													Drawings		MODEL
						Rated Point -23.3ºC									External View	Wiring Diagram	
						Cooling		W. Input	Current	EER							
	C	-40	-35	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	ref.	ref.	
S	54.4			172	226	246	211	181	1.15	1.35	1.16	288	360	445	DWG01	SM05	EMT2117GK
	45	106	146	192	245							309	385	475			
F	54.4			225	285	300	258	214	1.33	1.39	1.20	356	442	542	DWG01	SM05	EMT2121GK
	45	138	184	236	298							372	462	565			
F	54.4			256	327	350	302	251	1.57	1.39	1.20	410	507	620	DWG01	SM05	EMT2125GK
	45	162	214	276	350							435	536	653			
S	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			
S	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			
S	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			
S	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			
F	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			
F	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			
F	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			
F	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			
F	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			
F	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			
F	54.4			484	632	688	592	610	4.05	1.13	0.97	807	1007	1234	DWG03	SM05	NEK2168GK
	45	302	402	528	682							862	1070	1307			
F	54.4			500	650	707	608	520	2.58	1.36	1.17	828	1030	1258	DWG03	SM06	NEK2168GK
	45	302	406	538	695							880	1095	1336			
F	54.4			435	585	642	552	502	3.50	1.28	1.10	762	968	1202	DWG16	SM19	NT2168GK
	45	250	355	488	648							835	1050	1292			
F	54.4			435	585	642	552	462	2.38	1.39	1.20	762	968	1202	DWG16	SM23	NT2168GK
	45	250	355	488	648							835	1050	1292			
F	54.4			560	734	800	688	696	4.30	1.15	0.99	934	1160	1370	DWG16	SM19	NT2178GK
	45	320	464	625	814							1032	1280	1492			
F	54.4			560	734	800	688	588	3.03	1.36	1.17	934	1160	1370	DWG16	SM23	NT2178GK
	45	320	464	625	814							1032	1280	1492			
F	54.4			-	-	805	692	665	4.48	1.21	1.04	-	-	-	DWG16	SM19	NT2178GK
	45	-	-	-	-							-	-	-			
F	54.4			-	-	837	720	615	3.41	1.36	1.17	-	-	-	DWG16	SM23	NT2178GK
	45	-	-	-	-							-	-	-			
F	54.4			668	895	980	844	732	3.73	1.34	1.15	1158	1454	1785	DWG16	SM23	NT2180GK
	45	395	550	744	976							1248	1560	1912			
F	54.4			530	718	788	678	600	3.82	1.30	1.12	935	1182	1456	DWG16	SM19	NT2178GK
	45	292	432	600	792							1010	1258	1530			
F	54.4			544	735	806	694	564	2.56	1.43	1.23	956	1206	1486	DWG16	SM23	NT2178GK
	45	300	442	610	808							1032	1285	1565			
F	54.4			648	856	934	804	749	4.66	1.25	1.07	1100	1380	1690	DWG16	SM19	NT2180GK
	45	380	530	715	936							1194	1485	1814			
F	54.4			648	856	934	804	704	3.29	1.33	1.14	1100	1380	1690	DWG16	SM23	NT2180GK
	45	380	530	715	936							1194	1485	1814			
F	54.4			730	965	1054	906	814	4.92	1.29	1.11	1238	1552	1906	DWG16	SM19	NT2192GK
	45	436	594	796	1040							1328	1662	2038			
F	54.4			754	998	1088	936	744	3.46	1.46	1.26	1280	1598	1956	DWG16	SM23	NT2192GK
	45	442	606	814	1064							1358	1698	2080			
F	54.4			970	1270	1373	1180	999	5.04	1.37	1.18	1624	2030	2490	DWG17	SM21	NT2212GK
	45	588	788	1042	1352							1718	2138	2618			
F	54.4			945	1333	1477	1270	1097	5.30	1.35	1.16	1775	2273	2825	DWG14	SM16	NJ2212GK
	45	491	753	1085	1486							1957	2496	3106			
F	54.4			945	1333	1477	1270	1139	2.00	1.30	1.12	1775	2273	2825	DWG14	SM18	NJ2212GS
	45	491	753	1085	1486							1957	2496	3106			

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REFRIGERANT	APPLICATION	FREQUENCY
R-290	LBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EMT2117U	3.97	0.24	872CA	220-240V 50Hz 1~	CSIR	7.7	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT2121U	5.57	0.34	872DA	220-240V 50Hz 1~	CSIR	7.7	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT1121U	5.57	0.34	872AA	220-240V 50Hz 1~	RSCR	7.7	C	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT2125U	5.96	0.36	872EA	220-240V 50Hz 1~	CSIR	9.8	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT1125U	5.96	0.36	872BA	220-240V 50Hz 1~	RSCR	9.8	C	180	6.2	POE 22	7.8	17.2	166.0	6.5
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
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
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
NEK2125U	7.28	0.44	862DA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	200.0	7.4
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
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
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
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
NT2160U	17.40	1.06	842AA	220-240V 50Hz 1~	CSIR	21.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2160U	17.40	1.06	842AA	220-240V 50Hz 1~	CSR	21.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2170U	20.40	1.24	842BA	220-240V 50Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2170U	20.40	1.24	842BA	220-240V 50Hz 1~	CSR	25.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2180U	22.40	1.37	843AA	220-240V 50Hz 1~	CSIR	35.0	C/V	450	15.7	POE 22	18.2	40.0	234.0	9.3
NT2180U	22.40	1.37	843AA	220-240V 50Hz 1~	CSR	35.0	C/V	450	15.7	POE 22	18.2	40.0	234.0	9.3

REFRIGERANT	APPLICATION	FREQUENCY
R-600a	LBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
NBM1114Y	10.00	0.61	817BA	220-240V 50Hz 1~	RSIR-RSCR	6.3	C	350	12.0	MO 15	10.1	22.3	187.0	7.4
NBM1116Y	12.30	0.75	818AA	220-240V 50Hz 1~	RSIR-RSCR	7.1	C	350	12.0	MO 15	10.7	23.6	200.0	7.9
NBM1118Y	14.30	0.87	818BA	220-240V 50Hz 1~	RSIR-RSCR	8.1	C	350	12.0	MO 15	10.7	23.6	200.0	7.9

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	LBP	R-290

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C — Subcooled Conditions W													Drawings		MODEL
						Rated Point -23.3°C									External View	Wiring Diagram	
						Cooling		W. Input	Current	EER							
	C	-40	-35	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	ref.	ref.	
S	54.4			132	170	184	158	130	0.96	1.37	1.18	216	270	331	DWG01	SM05	EMT2117U
	45	80	108	142	182							230	288	348			
S	54.4			192	245	265	228	182	1.15	1.46	1.25	310	384	467	DWG01	SM05	EMT2121U
	45	122	162	208	265							332	406	492			
S	54.4			194	250	270	231	174	0.87	1.55	1.33	315	388	470	DWG01	SM00	EMT1121U
	45	122	162	209	266							332	406	490			
F	54.4			216	278	301	259	204	1.42	1.47	1.27	348	430	520	DWG01	SM05	EMT2125U
	45	137	180	233	295							368	450	542			
S	54.4			218	278	301	259	197	1.09	1.53	1.31	350	430	522	DWG01	SM00	EMT1125U
	45	140	182	235	297							368	450	542			
S	54.4			133	177	188	162	158	1.24	1.19	1.03	220	274	336	DWG02	SM05	NEK2117U
	45	84	111	145	192							237	294	359			
F	54.4			168	225	247	212	207	1.63	1.20	1.02	293	373	465	DWG03	SM05	NEK2121U
	45	106	141	187	246							317	400	495			
S	54.4			202	257	276	237	209	1.54	1.32	1.13	322	399	486	DWG03	SM03	NEK1121U
	45	133	167	213	271							340	421	514			
S	54.4			215	280	300	258	232	1.75	1.30	1.12	358	445	545	DWG03	SM05	NEK2125U
	45	160	195	252	325							412	515	630			
F	54.4			230	292	316	272	242	1.71	1.31	1.13	370	462	571	DWG03	SM05	NEK2125U
	45	170	202	250	314							394	491	603			
F	54.4			331	414	449	386	330	2.04	1.36	1.17	521	645	793	DWG03	SM05	NEK2134U
	45	230	281	351	440							551	683	828			
F	54.4			417	536	581	500	444	2.98	1.31	1.13	678	843	1031	DWG03	SM05	NEK2150U
	45	264	333	441	576							723	898	1094			
F	54.4			437	557	601	517	460	3.19	1.30	1.12	697	859	1042	DWG03	SM03	NEK1150U
	45	277	362	467	593							740	908	1097			
F	54.4			488	642	703	604	518	3.35	1.36	1.17	820	1024	1247	DWG16	SM19	NT2160U
	45	298	404	538	698							886	1102	1346			
F	54.4			-	-	703	604	487	2.50	1.44	1.24	-	-	-	DWG16	SM23	NT2160U
	45	-	-	-	-							-	-	-			
F	54.4			582	754	816	702	625	3.98	1.30	1.12	955	1185	1444	DWG16	SM19	NT2170U
	45	372	492	644	826							1040	1284	1560			
F	54.4			-	-	816	702	580	2.90	1.41	1.21	-	-	-	DWG16	SM23	NT2170U
	45	-	-	-	-							-	-	-			
F	54.4			665	860	932	800	697	4.60	1.34	1.15	1084	1336	1618	DWG16	SM19	NT2180U
	45	424	560	728	932							1170	1440	1746			
F	54.4			-	-	932	800	619	3.18	1.49	1.28	-	-	-	DWG16	SM23	NT2180U
	45	-	-	-	-							-	-	-			

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	LBP	R-600a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C — Subcooled Conditions W												Drawings		MODEL
				Rated Point -23.3°C										External View	Wiring Diagram	
				Cooling		W. Input	Current	EER								
	C	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	-5	ref.	ref.	
S	54.4		139	153	132	118	0.80	1.30	1.12	184	236	295	362	DWG02	SM00	NBM1114Y
	45	114	151							196	249	311	381			
S	54.4		176	191	164	143	1.00	1.34	1.15	225	285	357	440	DWG02	SM00	NBM1116Y
	45	149	188							240	305	383	474			
S	54.4		203	221	190	162	1.10	1.37	1.18	260	330	412	507	DWG02	SM00	NBM1118Y
	45	172	217							277	351	439	541			

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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	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EMT6144GK	3.97	0.25	912EA	220-240V 50Hz 1~	CSIR	7.7	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT6152GK	4.50	0.28	912FA	220-240V 50Hz 1~	CSIR	8.5	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT6165GK	5.20	0.32	912GA	220-240V 50Hz 1~	CSIR	10.4	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
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
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
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
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
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
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
NT6217GK	12.60	0.77	922AN	200-240V 50Hz / 230V 60Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	16.9	37.2	220.0	8.7
NT6217GK	12.60	0.77	922AN	200-240V 50Hz / 230V 60Hz 1~	CSR	25.0	C/V	450	15.7	POE 22	16.9	37.2	220.0	8.7
NT6220GK	14.50	0.88	922BN	200-240V 50Hz / 230V 60Hz 1~	CSIR	29.5	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6220GK	14.50	0.88	922BN	200-240V 50Hz / 230V 60Hz 1~	CSR	29.5	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6222GK	17.40	1.06	922CN	200-240V 50Hz / 230V 60Hz 1~	CSIR	37.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6222GK	17.40	1.06	922CN	200-240V 50Hz / 230V 60Hz 1~	CSR	37.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6217GK	12.60	0.77	922AA	220-240V 50Hz 1~	CSIR	22.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6217GK	12.60	0.77	922AA	220-240V 50Hz 1~	CSR	22.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6222GK	17.40	1.06	922CA	220-240V 50Hz 1~	CSIR	30.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6222GK	17.40	1.06	922CA	220-240V 50Hz 1~	CSR	30.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6226GK	22.40	1.37	923BA	220-240V 50Hz 1~	CSIR	38.0	C/V	450	15.7	POE 22	18.1	39.8	234.0	9.3
NT6226GK	22.40	1.37	923BA	220-240V 50Hz 1~	CSR	38.0	C/V	450	15.7	POE 22	18.1	39.8	234.0	9.3
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
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
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
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
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
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

REFRIGERANT	APPLICATION	FREQUENCY
R-744	M/HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EK6160CD	1.00	0.06	516400004	100V 50-60Hz	CSCR	29.0	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6175CD	1.30	0.08	516400011	100V 50-60Hz	CSCR	35.5	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6210CD	1.75	0.11	516400003	220-240V 50Hz	CSCR	13.4	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6214CD	2.45	0.15	516400009	220-240V 50Hz	CSCR	18.0	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56

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

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C — Subcooled Conditions W						Rated Point +7.2°C							Drawings		MODEL
								Cooling		W. Input	Current	EER			External View	Wiring Diagram	
	C	-20	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
F	54.4 45	277	246	360 426	438 518	530 624	630 742	680	584	284	1.56	2.39	2.05	746 874	DWG01	SM05	EMT6144GK
F	54.4 45	-	-	- -	- -	- -	- -	737	634	327	1.38	2.26	1.94	- -	DWG01	SM05	EMT6152GK
F	54.4 45	-	-	- -	- -	- -	- -	881	758	389	2.50	2.27	1.95	- -	DWG01	SM05	EMT6165GK
F	54.4 45	321	371	350 445	451 539	549 653	660 787	714	614	313	1.77	2.28	1.96	786 941	DWG03	SM05	NEK6144GK
F	54.4 45	436	512	520 610	626 734	751 883	895 1056	965	830	471	2.54	2.04	1.76	1059 1253	DWG03	SM05	NEK6165GK
F	54.4 45	454	553	565 677	689 826	836 1000	1006 1198	1089	936	515	2.99	2.11	1.82	1200 1422	DWG03	SM05	NEK6181GK
F	54.4 45	566	674	669 815	821 988	999 1195	1205 1435	1303	1121	628	3.49	2.07	1.79	1436 1707	DWG03	SM05	NEK6210GK
F	54.4 45	695	884	919 1093	1120 1333	1350 1600	1610 1894	1736	1493	982	5.52	1.77	1.52	1901 2215	DWG03	SM05	NEK6213GK
F	54.4 45	882	1075	1120 1310	1360 1590	1630 1908	1932 2270	2074	1784	1010	4.86	2.05	1.77	2263 2674	DWG03	SM06	NEK6217GK
F	54.4 45	700	874	890 1095	1108 1364	1358 1678	1640 2040	1820	1565	813	4.90	2.24	1.92	1955 2445	DWG16	SM19	NT6217GK
F	54.4 45	700	874	890 1095	1108 1364	1358 1678	1640 2040	1820	1565	718	3.61	2.53	2.18	1955 2445	DWG16	SM23	NT6217GK
F	54.4 45	794	1006	1050 1265	1305 1570	1606 1922	1952 2320	2122	1824	960	5.80	2.21	1.90	2342 2764	DWG16	SM19	NT6220GK
F	54.4 45	856	1074	1126 1342	1395 1650	1700 2004	2044 2408	2206	1898	930	4.06	2.37	2.04	2424 2855	DWG16	SM23	NT6220GK
F	54.4 45	955	1225	1270 1520	1580 1880	1920 2290	2298 2770	2500	2150	1200	7.10	2.08	1.79	2708 3300	DWG16	SM19	NT6222GK
F	54.4 45	965	1235	1280 1530	1590 1890	1930 2295	2308 2775	2500	2150	1105	5.80	2.26	1.94	2728 3305	DWG16	SM23	NT6222GK
F	54.4 45	692	862	860 1078	1072 1342	1326 1654	1626 2012	1780	1530	830	4.75	2.14	1.84	1970 2420	DWG16	SM19	NT6217GK
F	54.4 45	712	888	915 1114	1140 1384	1404 1704	1708 2070	1848	1590	736	3.60	2.50	2.16	2050 2482	DWG16	SM23	NT6217GK
F	54.4 45	960	1218	1248 1512	1538 1868	1890 2290	2286 2772	2482	2135	1228	6.00	2.02	1.74	2725 3315	DWG16	SM19	NT6222GK
F	54.4 45	980	1240	1280 1548	1584 1910	1926 2310	2310 2774	2482	2135	1115	5.50	2.22	1.92	2725 3286	DWG16	SM23	NT6222GK
F	54.4 45	1298	1625	1704 2010	2084 2462	2528 2986	3038 3590	3220	2770	1540	8.47	2.10	1.80	3620 4275	DWG17	SM22	NT6226GK
F	54.4 45	1314	1650	1744 2058	2144 2532	2598 3068	3095 3658	3356	2886	1376	6.60	2.44	2.10	3656 4298	DWG17	SM21	NT6226GK
F	54.4 45	1421	1841	1940 2354	2456 2959	3045 3656	3706 4444	4021	3458	1576	7.20	2.55	2.19	4441 5325	DWG14	SM17	NJ9232GK
F	54.4 45	1165	1508	1584 1922	1998 2409	2470 2968	2998 3598	3249	2794	1325	5.80	2.45	2.11	3584 4300	DWG14	SM17	NJ9226GK
F	54.4 45	1845	2374	2415 2990	3014 3693	3697 4481	4463 5356	4827	4151	2109	9.60	2.29	1.97	5313 6317	DWG14	SM17	NJ9238GK
F	54.4 45	1165	1508	1584 1922	1998 2409	2470 2968	2998 3598	3249	2794	1300	2.40	2.50	2.15	3584 4300	DWG14	SM18	NJ9226GS
F	54.4 45	1421	1841	1940 2354	2456 2959	3045 3656	3706 4444	4021	3458	1615	2.90	2.49	2.14	4441 5325	DWG14	SM18	NJ9232GS
F	54.4 45	1845	2374	2415 2990	3014 3693	3697 4481	4463 5356	4827	4151	1900	4.00	2.54	2.18	5313 6317	DWG14	SM18	NJ9238GS

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	M/HBP	R-744

Cooling Type	Discharge Pressure	Cooling Capacity / Evaporating Temperature °C — Subcooled Conditions W						Rated Point +7.2°C							Drawings		MODEL
								Cooling		W. Input	Current	EER			External View	Wiring Diagram	
	bar	-20	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
F	85	262	317	379	449	527	615	662	569	248	3.46	2.67	2.30	713	DWG18	SM25	EK6160CD
F	85	371	442	523	615	719	837	898	772	346	5.30	2.60	2.24	968	DWG18	SM25	EK6175CD
F	85	535	630	739	864	1007	1169	1211	1041	420	1.92	2.88	2.48	1351	DWG18	SM25	EK6210CD
F	85	688	831	991	1170	1365	1578	1653	1422	655	3.14	2.53	2.17	1807	DWG18	SM24	EK6214CD

REFRIGERANT	APPLICATION	FREQUENCY
R-290	M/HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm^3	in^3				A		cm^3	oz^3		kg	lb	mm	in
EMT6144U	4.50	0.28	872HA	220-240V 50Hz 1~	CSIR	7.7	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT6152U	5.20	0.32	872FA	220-240V 50Hz 1~	CSIR	8.5	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT6165U	5.96	0.36	872GA	220-240V 50Hz 1~	CSIR	10.4	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
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
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
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
NEK6210U	8.78	0.54	862CA	220-240V 50Hz 1~	CSIR	16.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
NEK6213U	12.12	0.74	863CA	220-240V 50Hz 1~	CSIR	19.3	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NT6217U	14.50	0.88	842FA	220-240V 50Hz 1~	CSIR	25.0	C/V	450	15.7	POE 22	16.9	39.6	220.0	8.7
NT6224U	22.40	1.37	842CA	220-240V 50Hz 1~	CSR	26.0	C/V	450	15.7	POE 22	17.2	39.6	220.0	8.7

*Under Development

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	M/HBP	R-290

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W						Rated Point +7.2°C							Drawings		MODEL
								Cooling		W. Input	Current	EER			External View	Wiring Diagram	
	C	-20	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
S	54.4			326	394	472	568	616	530	235	1.34	2.62	2.25	680	DWG01	SM05	**EMT6144U**
	45	248	308	375	452	544	650							777			
F	54.4			-	-	-	-	742	638	277	1.18	2.68	2.30	-	DWG01	SM05	**EMT6152U**
	45	-	-	-	-	-	-	-						-			
F	54.4			462	552	658	782	840	722	327	2.00	2.57	2.21	932	DWG01	SM05	**EMT6165U**
	45	350	432	522	625	745	888	-						1058			
F	54.4			388	473	570	679	720	620	284	1.72	2.53	2.18	799	DWG03	SM05	**NEK6152U**
	45	299	361	439	534	644	771							914			
F	54.4			443	539	650	777	839	721	344	2.32	2.44	2.09	920	DWG03	SM05	**NEK6165U**
	45	344	416	507	615	739	881							949			
F	54.4			500	611	737	885	949	816	386	2.44	2.46	2.12	1040	DWG03	SM05	**NEK6181U**
	45	386	471	574	697	840	1011							1183			
F	54.4			611	747	905	1083	1168	1005	459	2.75	2.55	2.19	1281	DWG03	SM05	**NEK6210U**
	45	465	574	700	850	1025	1225							1450			
F	54.4			847	1042	1234	1485	1586	1364	692	4.24	2.29	1.97	1740	DWG03	SM05	**NEK6213U**
	45	654	792	962	1178	1394	1675							1955			
F	54.4			882	1100	1355	1646	1786	1536	693	4.23	2.58	2.22	1974	DWG16	SM19	**NT6217U**
	45	552	826	1040	1294	1586	1920							2292			
F	54.4			1435	1785	2184	2635	2843	2445	1040	4.85	2.73	2.35	3130	DWG16	SM23	**NT6224U**
	45	1055	1355	1704	2100	2542	3025							3546			

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REFRIGERANT	APPLICATION	FREQUENCY
R-134a	HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EMT37HDP	3.40	0.21	194IB	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	5.4	C	180	6.2	POE 22	7.7	17.0	166.0	6.5
EMT50HDP	4.50	0.27	194NB	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	9.1	C	180	6.2	POE 22	7.7	17.0	166.0	6.5
EMT37HDP	3.40	0.21	193EA	220-240V 50Hz 1~	RSIR	4.3	C	180	6.2	POE 22	7.2	16.0	158.0	6.2
EMT45HDR	3.97	0.24	194LA	220-240V 50Hz 1~	CSIR	5.4	C/V	180	6.2	POE 10	7.7	17.0	166.0	6.5
EMT50HDP	4.50	0.27	194MA	220-240V 50Hz 1~	RSIR	6.4	C	180	6.2	POE 22	7.7	17.0	166.0	6.5
EMT6144Z	5.20	0.31	194PA	220-240V 50Hz 1~	CSIR	8.5	C/V	180	6.2	POE 22	7.7	17.2	166.0	6.5
EMT6160Z	6.76	0.41	194QA	220-240V 50Hz 1~	CSIR	9.8	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
EMT6170Z	7.69	0.46	194RA	220-240V 50Hz 1~	CSIR	10.4	C/V	180	6.2	POE 22	7.8	17.2	166.0	6.5
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
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
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	206.0	8.1
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	206.0	8.1
NEK6212Z	14.30	0.87	269AB	200-230V 50Hz / 208-230V 60Hz 1~	CSR	22.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NEK5144Z	5.46	0.33	267EA	220-240V 50Hz 1~	RSIR	10.0	C	350	12.0	POE 22	9.8	21.6	187.0	7.4
NEK6160Z	7.28	0.44	267BA	220-240V 50Hz 1~	CSIR	11.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4
NEK5170Z	8.40	0.51	267CA	220-240V 50Hz 1~	RSIR	14.0	C	350	12.0	POE 22	10.4	22.9	187.0	7.4
NEK6170Z	8.40	0.51	267DA	220-240V 50Hz 1~	CSIR	12.4	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4
NEK6187Z	10.00	0.61	268AA	220-240V 50Hz 1~	CSIR	16.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
NEK6210Z	12.12	0.74	268BA	220-240V 50Hz 1~	CSIR	16.1	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
NEK6212Z	14.30	0.87	269AA	220-240V 50Hz 1~	CSIR	19.5	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NEK6214Z	16.80	1.02	269HA	220-240V 50Hz 1~	CSIR	21.2	C/V	350	12.0	POE 22	11.6	25.5	206.0	8.1
NT6215Z	17.40	1.06	212AN	200-240V 50Hz / 230V 60Hz 1~	CSIR	21.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6217Z	20.40	1.24	212BN	200-240V 50Hz / 230V 60Hz 1~	CSIR	25.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6220Z	22.40	1.24	212CN	200-240V 50Hz / 230V 60Hz 1~	CSIR	28.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6215Z	17.40	1.06	211AC	220V 50Hz 1~	CSIR	20.7	C/V	450	16.0	POE 22	16.0	36.3	207.0	8.1
NT6217Z	20.40	1.24	212BA	220-240V 50Hz 1~	CSIR	25.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NJ6220Z	26.20	1.60	144HA	220-240V 50Hz 1~	CSIR	35.0	C/V	750	26.0	POE 22	20.3	44.8	265.0	10.4
NJ6226Z	34.37	2.10	142HA	220-240V 50Hz 1~	CSR	31.0	C/V	750	26.0	POE 22	20.1	44.3	253.0	10.0
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
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

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	HBP	R-134a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature ºC — Subcooled Conditions W												Drawings		MODEL
							Rated Point +7.2ºC							External View	Wiring Diagram	
							Cooling		W. Input	Current	EER					
	C	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
	S	54.4 45	155	196	213 246	266 305	327 374	356	306	139	0.85	2.56	2.21	396 450	DWG01	SM00	EMT37HDP
	S	54.4 45	206	260	288 330	358 410	440 502	474	408	182	1.10	2.58	2.23	532 606	DWG01	SM00	EMT50HDP
	S	54.4 45	155	196	213 246	266 305	327 374	351	302	137	0.80	2.55	2.20	396 450	DWG01	SM00	EMT37HDP
	S	54.4 45	186	238	258 294	315 360	388 440	421	362	158	0.95	2.66	2.29	470 532	DWG01	SM05	EMT45HDR
	S	54.4 45	206	260	288 330	358 410	440 502	474	408	184	1.05	2.57	2.22	532 606	DWG01	SM00	EMT50HDP
	F	54.4 45	254	322	352 400	435 494	532 602	577	496	222	1.38	2.60	2.23	645 724	DWG01	SM05	EMT6144Z
	F	54.4 45	326	412	448 512	552 630	670 762	720	620	300	1.74	2.39	2.07	800 912	DWG01	SM05	EMT6160Z
	F	54.4 45	364	458	500 568	614 698	740 844	806	694	356	2.03	2.27	1.95	878 1007	DWG01	SM05	EMT6170Z
	F	54.4 45	302	382	413 483	523 605	653 749	717	616	297	2.20	2.41	2.07	803 913	DWG03	SM05	NEK6160Z
	F	54.4 45	366	459	502 575	627 715	772 878	841	723	344	2.41	2.44	2.10	938 1064	DWG03	SM05	NEK6170Z
	F	54.4 45	408	524	592 664	730 828	887 1016	965	830	404	2.90	2.39	2.05	1068 1229	DWG03	SM05	NEK6187Z
	F	54.4 45	520	590	620 720	780 920	995 1148	1122	965	527	3.86	2.13	1.83	1260 1444	DWG03	SM05	NEK6210Z
	F	54.4 45	562	725	790 912	980 1128	1198 1368	1302	1120	613	4.05	2.12	1.83	1444 1635	DWG03	SM06	NEK6212Z
	F	54.4 45	227	291	316 367	395 456	488 557	533	459	241	1.42	2.21	1.90	594 671	DWG03	SM03	NEK5144Z
	F	54.4 45	306	388	418 491	526 612	653 753	716	615	297	1.90	2.41	2.07	799 913	DWG03	SM05	NEK6160Z
	F	54.4 45	343	451	491 573	613 712	756 866	827	711	347	2.07	2.38	2.05	922 1036	DWG03	SM03	NEK5170Z
	F	54.4 45	366	460	503 577	626 714	767 874	837	720	347	2.10	2.41	2.08	929 1056	DWG03	SM05	NEK6170Z
	F	54.4 45	414	521	576 656	715 817	884 1006	967	832	410	2.61	2.35	2.03	1077 1221	DWG03	SM05	NEK6187Z
	F	54.4 45	518	631	690 793	862 983	1051 1200	1140	980	497	2.86	2.29	1.97	1257 1448	DWG03	SM05	NEK6210Z
	F	54.4 45	558	705	767 885	960 1101	1186 1353	1292	1111	602	3.53	2.15	1.85	1437 1635	DWG03	SM05	NEK6212Z
	F	54.4 45	648	824	910 1032	1126 1275	1375 1550	1486	1278	775	4.75	1.92	1.65	1650 1860	DWG03	SM05	NEK6214Z
	F	54.4 45	664	854	938 1092	1188 1375	1472 1696	1608	1382	638	3.92	2.52	2.17	1786 2052	DWG15	SM19	NT6215Z
	F	54.4 45	857	1040	1125 1287	1385 1592	1698 1954	1863	1602	773	4.68	2.41	2.07	2060 2368	DWG15	SM19	NT6217Z
	F	54.4 45	896	1104	1212 1375	1498 1712	1844 2112	2016	1734	862	5.24	2.34	2.01	2248 2578	DWG16	SM19	NT6220Z
	F	54.4 45	677	870	948 1112	1194 1398	1484 1718	1620	1393	707	4.40	2.29	1.97	1804 2082	DWG15	SM19	NT6215Z
	F	54.4 45	826	1026	1112 1282	1386 1595	1712 1965	1863	1602	806	4.73	2.31	1.99	2086 2392	DWG15	SM19	NT6217Z
	F	54.4 45	962	1263	1471 1638	1881 2087	2330 2610	2541	2185	978	5.70	2.60	2.24	2819 3206	DWG14	SM14	NJ6220Z
	F	54.4 45	1421	1791	1764 2229	2226 2734	2732 3306	2969	2553	1232	6.00	2.41	2.07	3282 3945	DWG14	SM17	NJ6226Z
	F	54.4 45	962	1263	1471 1638	1881 2087	2330 2610	2541	2185	875	1.60	2.90	2.49	2819 3206	DWG14	SM18	NJ6220ZX
	F	54.4 45	1421	1791	1764 2229	2226 2734	2732 3306	2969	2553	1190	2.30	2.49	2.14	3282 3945	DWG14	SM18	NJ6226ZX

REFRIGERANT	APPLICATION	FREQUENCY
R-600a	HBP	50Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		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	6.2
EMT45CDP	6.78	0.41	896DA	220-240V 50Hz 1~	RSIR	5.8	C	180	6.2	MO 7	7.5	16.5	166	6.5
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	7.4
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	7.4
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	7.4
NEK6187Y*	16.80	1.02	U.D.*	220-240V 50Hz 1~	CSIR	16.1	C/V	350	12.0	MO 32	11.0	24.3	200	7.9

*Under Development

REFRIGERANT	APPLICATION	FREQUENCY
R-134a	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
NB1116Z	8.40	0.51	294SG	115V 60Hz / 100V 50Hz 1~	RSIR RSCR	27.5	C	350	12.0	POE 22	9.8	21.6	187.0	7.4
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
NB1118Z	8.07	0.49	294UG	115V 60Hz / 100V 50Hz 1~	RSIR RSCR	28.0	C	350	12.0	POE 22	10.4	22.9	187.0	7.4
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
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
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
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
NT2140Z	20.40	1.24	211CG	115V 60Hz / 100V 50Hz 1~	CSIR	37.0	C/V	450	15.7	POE 22	15.7	34.5	207.0	8.1
NT2140Z	20.40	1.24	212GD	208-230V 60Hz / 200V 50Hz 1~	CSIR	24.5	C/V	450	15.7	POE 22	16.5	36.3	220.0	8.7
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

FREQUENCY	APPLICATION	REFRIGERANT
50Hz	HBP	R-600a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W					Rated Point +7.2°C							Drawings		MODEL
							Cooling		W. Input	Current	EER			External View	Wiring Diagram	
		-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
S	54.4			162	200	242	256	220	101	0.66	2.52	2.18	290	DWG01	SM00	EMT30CDP
	45	112	142	180	222	268							320			
S	54.4			236	290	354	390	335	152	0.92	2.56	2.20	430	DWG01	SM00	EMT45CDP
	45	164	209	262	322	392							477			
F	54.4			330	412	505	550	473	229	1.74	2.40	2.07	609	DWG03	SM05	NEK6144Y
	45	234	298	373	460	563							676			
F	54.4			412	510	622	678	583	268	1.84	2.53	2.17	750	DWG03	SM05	NEK6160Y
	45	291	370	464	572	694							833			
F	54.4			496	612	744	808	696	327	2.06	2.47	2.13	892	DWG03	SM05	NEK6170Y
	45	354	448	558	686	831							994			
F	54.4			-	-	-	938	806	386	2.46	2.43	2.09	-	DWG03	SM05	NEK6187Y
	45	-	-	-	-	-							-			

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	LBP	R-134a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W												Drawings		MODEL
				Rated Point -23.3°C										External View	Wiring Diagram	
				Cooling		W. Input	Current	EER								
	C	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	-5	ref.	ref.	
S	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			
S	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			
S	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			
F	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			
F	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			
F	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			
F	54.4		370	418	360	340	2.52	1,23	1,06	487	626	788	972	DWG04	SM04	NE2134Z
	45	300	394							512	654	818	1006			
F	54.4		506	562	483	454	6.12	1.23	1.06	688	914	1185	1500	DWG16	SM20	NT2140Z
	45	403	556							733	933	1157	1404			
F	54.4		512	575	495	452	3.17	1.28	1.10	711	947	1222	1534	DWG16	SM20	NT2140Z
	45	403	583							791	1027	1291	1583			
F	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			

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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	
								Charge		Type				
	cm^3	in^3				A		cm^3	oz^3		kg	lb	mm	in
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
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
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
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
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
NEK2150GK	12.12	0.74	959AG	115V 60Hz / 100V 50Hz 1~	CSR	41.5	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1
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
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
NT2168GK	14.50	0.88	922DG	115V 60Hz / 100V 50Hz 1~	CSIR	54.5	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT2168GK	14.50	0.88	922DG	115V 60Hz / 100V 50Hz 1~	CSR	54.5	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT2178GK	17.40	1.06	922EG	115V 60Hz / 100V 50Hz 1~	CSIR	66.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT2178GK	17.40	1.06	922EG	115V 60Hz / 100V 50Hz 1~	CSR	66.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT2180GK	20.40	1.24	922HG	115V 60Hz / 100V 50Hz 1~	CSIR	66.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2180GK	20.40	1.24	922HG	115V 60Hz / 100V 50Hz 1~	CSR	66.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2192GK	22.40	1.37	923EG	115V 60Hz / 100V 50Hz 1~	CSIR	56.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT2192GK	22.40	1.37	923EG	115V 60Hz / 100V 50Hz 1~	CSR	56.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT2168GK	14.50	0.88	922DD	208-230V 60Hz / 200V 50Hz 1~	CSIR	29.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT2168GK	14.50	0.88	922DD	208-230V 60Hz / 200V 50Hz 1~	CSR	29.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT2178GK	17.40	1.06	922ED	208-230V 60Hz / 200V 50Hz 1~	CSIR	35.5	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT2180GK	20.40	1.24	923HD	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT2192GK	22.40	1.37	923ED	208-230V 60Hz / 200V 50Hz 1~	CSR	40.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2212GK	27.80	1.70	925CD	208-230V 60Hz / 200V 50Hz 1~	CSR	45.0	C/V	650	22.7	POE 22	18.3	40.0	250.0	9.8
NJ2192GK	26.20	1.60	943AG	115V 60Hz / 100V 50Hz 1~	CSR	98.0	C/V	750	26.0	POE 22	21.7	47.8	277.0	10.9
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
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
NJ2212GK	34.37	2.10	943BD	208-230V 60Hz / 200V 50Hz 1~	CSR	46.0	C/V	750	26.0	POE 22	21.8	48.1	277.0	10.9
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
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

*Under Development

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

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W													Drawings		MODEL
						Rated Point -23.3°C									External View	Wiring Diagram	
						Cooling		W. Input	Current	EER							
	C	-40	-35	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	ref.	ref.	
F	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			
F	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			
F	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			
F	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			
F	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			
F	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			
F	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			
F	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			
F	54.4			525	704	770	662	640	8.00	1.21	1.04	910	1150	1420	DWG17	SM22	NT2168GK
	45	302	428	592	792							1034	1315	1638			
F	54.4			525	704	780	670	602	5.72	1.30	1.11	910	1150	1420	DWG17	SM21	NT2168GK
	45	302	428	592	792							1034	1315	1638			
F	54.4			695	925	1002	862	830	10.20	1.21	1.04	1194	1496	1838	DWG17	SM22	NT2178GK
	45	389	567	783	1035							1325	1650	2015			
F	54.4			695	925	1002	862	763	7.50	1.32	1.13	1194	1496	1838	DWG17	SM21	NT2178GK
	45	389	567	783	1035							1325	1650	2015			
F	54.4			750	1020	1120	963	948	11.20	1.18	1.02	1326	1664	2032	DWG17	SM22	NT2180GK
	45	416	626	865	1134							1432	1760	2118			
F	54.4			750	1020	1140	980	862	8.47	1.32	1.14	1326	1664	2032	DWG17	SM21	NT2180GK
	45	416	626	865	1134							1432	1760	2118			
F	54.4			880	1136	1230	1058	1034	11.80	1.19	1.02	1420	1726	2060	DWG17	SM22	NT2192GK
	45	530	704	935	1224							1570	1970	2430			
F	54.4			880	1136	1230	1058	924	8.75	1.33	1.15	1420	1726	2060	DWG17	SM21	NT2192GK
	45	530	704	935	1224							1570	1970	2430			
F	54.4			528	718	790	679	619	4.00	1.28	1.10	940	1190	1474	DWG16	SM20	NT2168GK
	45	302	442	612	812							1042	1300	1590			
F	54.4			528	718	790	679	575	2.95	1.37	1.18	940	1190	1474	DWG16	SM23	NT2168GK
	45	302	442	612	812							1042	1300	1590			
F	54.4			704	942	1020	878	798	5.25	1.28	1.10	1220	1540	1900	DWG16	SM20	NT2178GK
	45	398	572	784	1036							1328	1658	2030			
F	54.4			780	1048	1160	998	880	4.50	1.31	1.13	1354	1700	2090	DWG16	SM23	NT2180GK
	45	418	622	866	1156							1485	1870	2310			
F	54.4			880	1148	1262	1085	880	4.40	1.43	1.23	1471	1836	2242	DWG16	SM23	NT2192GK
	45	530	706	944	1236							1580	1980	2440			
F	54.4			1178	1546	1673	1439	1176	5.80	1.42	1.22	1967	2440	2966	DWG17	SM21	NT2212GK
	45	665	942	1268	1648							2078	2558	3090			
F	54.4			880	1194	1316	1132	1011	12.40	1.30	1.12	1574	2019	2019	DWG14	SM16	NJ2192GK
	45	430	685	989	1342							1745	2196	2196			
F	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			
F	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			
F	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			
F	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			
F	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			

REFRIGERANT	APPLICATION	FREQUENCY
R-290	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
NT2160U	17.40	1.06	842AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	27.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7
NT2170U	20.40	1.24	842BD	208-230V 60Hz / 200V 50Hz 1~	CSIR	27.0	C/V	450	15.7	POE 22	18.0	39.6	220.0	8.7

REFRIGERANT	APPLICATION	FREQUENCY
R-600a	LBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
NBM1112Y	8.40	0.51	817AD	208-230V 60Hz / 200V 50Hz 1~	RSIR-RSCR	8.4	C	350	12.0	MO 15	10.1	22.3	187.0	7.4
NBM1116Y	12.30	0.75	818AU	220V 60Hz 1~	RSIR-RSCR	7.1	C	350	12.0	MO 15	10.7	23.6	187.0	7.9

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	LBP	R-290

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W													Drawings		MODEL
						Rated Point -23.3°C									External View	Wiring Diagram	
						Cooling		W. Input	Current	EER							
	C	-40	-35	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	ref.	ref.	
	F	54.4			-	-	830	714	622	3.98	1.32	1.14	-	-	-	DWG16	SM20	NT2160U
		45	-	-	-	-							-	-	-			
	F	54.4			-	-	901	775	684	4.45	1.31	1.13	-	-	-	DWG16	SM20	NT2170U
		45	-	-	-	-							-	-	-			

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	LBP	R-600a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C Subcooled Conditions W												Drawings		MODEL
				Rated Point -23.3°C										External View	Wiring Diagram	
				Cooling		W. Input	Current	EER								
	C	-30	-25	W	kcal/h	W	A	W/W	kcal/hW	-20	-15	-10	-5	ref.	ref.	
	S	54.4		137	150	129	124	1.00	1.22	1.05	179	228	283	345	DWG02	SM00	NBM1112Y
		45	113	147							189	239	299	367			
	S	54.4		206	224	193	168	1.00	1.34	1.15	263	334	418	515	DWG02	SM00	NBM1116Y
		45	175	220							281	357	448	555			

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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	
								Charge		Type				
	cm^3	in^3				A		cm^3	oz^3		kg	lb	mm	in
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
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
NEK6181GK	7.28	0.44	957MG	115V 60Hz / 100V 50Hz 1~	CSR	26.5	C/V	350	12.0	POE 22	10.4	22.9	187.0	7.4
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
NEK6210GK	8.78	0.54	958CG	115V 60Hz / 100V 50Hz 1~	CSR	38.0	C/V	350	12.0	POE 22	11.0	24.3	200.0	7.9
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
NEK6213GK	12.12	0.74	959BG	115V 60Hz / 100V 50Hz 1~	CSR	51.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1
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
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
NEK6210GK	8.78	0.54	959ID	208-230V 60Hz 1~ / 200V 50Hz 1~	CSIR	23.0	C/V	350	12.0	POE 22	11.5	25.6	206.0	8.1
NEK6213GK	12.12	0.74	959JD	208-230V 60Hz 1~ / 200V 50Hz 1~	CSIR	30.0	C/V	350	12.0	POE 22	11.6	25.6	206.0	8.1
NT6217GK	12.60	0.77	922AG	115V 60Hz / 100V 50Hz 1~	CSIR	50.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6217GK	12.60	0.77	922AG	115V 60Hz / 100V 50Hz 1~	CSR	50.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6220GK	14.50	0.89	922BG	115V 60Hz / 100V 50Hz 1~	CSIR	54.5	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6220GK	14.50	0.89	922BG	115V 60Hz / 100V 50Hz 1~	CSR	54.5	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6222GK	17.40	1.06	922CG	115V 60Hz / 100V 50Hz 1~	CSIR	70.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6222GK	17.40	1.06	922CG	115V 60Hz / 100V 50Hz 1~	CSR	70.0	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6226GK	22.40	1.37	923BG	115V 60Hz / 100V 50Hz 1~	CSR	77.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT6217GK	12.60	0.77	922AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	27.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6217GK	12.60	0.77	922AD	208-230V 60Hz / 200V 50Hz 1~	CSR	27.0	C/V	450	15.7	POE 22	16.7	36.8	220.0	8.7
NT6220GK	14.50	0.89	922BD	208-230V 60Hz / 200V 50Hz 1~	CSIR	26.5	C/V	450	15.7	POE 22	16.9	36.8	220.0	8.7
NT6220GK	14.50	0.89	922BD	208-230V 60Hz / 200V 50Hz 1~	CSR	26.5	C/V	450	15.7	POE 22	16.9	36.8	220.0	8.7
NT6222GK	17.40	1.06	922CD	208-230V 60Hz / 200V 50Hz 1~	CSIR	33.7	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6222GK	17.40	1.06	922CD	208-230V 60Hz / 200V 50Hz 1~	CSR	33.7	C/V	450	15.7	POE 22	17.2	37.8	220.0	8.7
NT6224GK	20.40	1.24	922GD	208-230V 60Hz / 200V 50Hz 1~	CSR	36.0	C/V	450	15.7	POE 22	16.9	36.8	220.0	8.7
NT6226GK	22.40	1.37	923BD	208-230V 60Hz / 200V 50Hz 1~	CSIR	43.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
NT6226GK	22.40	1.37	923BD	208-230V 60Hz / 200V 50Hz 1~	CSR	43.0	C/V	450	15.7	POE 22	18.0	39.6	234.0	9.2
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
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
NJ9238GK	32.70	2.00	943RJ	230V 60Hz / 200V 50Hz 1~	CSR	59.0	C/V	750	26.0	POE 22	22.1	48.7	277.0	10.9
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
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
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

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature °C — Subcooled Conditions W						Rated Point +7.2°C							Drawings		MODEL
								Cooling		W. Input	Current	EER			External View	Wiring Diagram	
	C	-20	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
F	54.4 45	481	586	614 714	743 866	894 1043	1066 1245	1150	990	584	6.14	1.97	1.69	1260 1472	DWG04	SM04	NEK6165GK
F	54.4 45	441	588	667 762	790 956	949 1173	1147 1410	1247	1072	619	6.70	2.01	1.73	1383 1671	DWG04	SM04	NEK6181GK
F	54.4 45	528	658	684 814	840 998	1022 1210	1225 1448	1320	1136	568	5.28	2.32	2.00	1450 1715	DWG04	SM06	NEK6181GK
F	54.4 45	647	793	823 972	998 1185	1207 1431	1451 1713	1569	1349	756	8.18	2.07	1.78	1728 2023	DWG04	SM04	NEK6210GK
F	54.4 45	645	790	820 982	1010 1206	1234 1462	1488 1752	1612	1386	700	6.70	2.30	1.98	1772 2072	DWG04	SM06	NEK6210GK
F	54.4 45	816	1005	1064 1231	1289 1495	1541 1797	1870 2136	1951	1678	1151	12.82	1.69	1.46	2124 2514	DWG04	SM04	NEK6213GK
F	54.4 45	829	1028	1089 1268	1329 1547	1605 1866	1917 2225	2067	1777	1055	10.55	1.96	1.68	2265 2624	DWG04	SM06	NEK6213GK
F	54.4 45	328	408	430 505	525 620	628 754	744 905	800	688	389	2.25	2.07	1.77	872 1075	DWG04	SM04	NEK6144GK
F	54.4 45	516	643	674 796	812 977	985 1185	1190 1420	1290	1110	624	3.60	2.07	1.78	1430 1682	DWG04	SM04	NEK6181GK
F	54.4 45	626	775	804 955	984 1166	1192 1408	1432 1680	1540	1324	735	4.50	2.10	1.80	1700 1984	DWG04	SM04	NEK6210GK
F	54.4 45	834	1040	1095 1280	1332 1554	1598 1860	1896 2200	2035	1750	1104	6.63	1.84	1.59	2222 2572	DWG04	SM04	NEK6213GK
F	54.4 45	940	1105	1094 1332	1356 1620	1658 1970	2000 2380	2164	1860	984	10.46	2.20	1.89	2380 2850	DWG16	SM20	NT6217GK
F	54.4 45	-	-	- -	- -	- -	- -	2164	1860	871	7.98	2.48	2.14	- -	DWG16	SM23	NT6217GK
F	54.4 45	952	1224	1270 1542	1578 1908	1920 2320	2300 2780	2480	2132	1160	12.20	2.14	1.84	2720 3288	DWG17	SM22	NT6220GK
F	54.4 45	-	-	- -	- -	- -	- -	2480	2132	1042	9.64	2.38	2.05	- -	DWG17	SM21	NT6220GK
F	54.4 45	1265	1548	1585 1896	1950 2312	2360 2794	2820 3344	3040	2615	1428	15.00	2.13	1.83	3340 3960	DWG17	SM22	NT6222GK
F	54.4 45	-	-	- -	- -	- -	- -	3040	2615	1274	11.92	2.39	2.05	- -	DWG17	SM21	NT6222GK
F	54.4 45	1604	1992	2076 2445	2532 2966	3043 3554	3613 4208	3884	3340	1830	17.10	2.12	1.82	4240 4930	DWG17		NT6226GK
F	54.4 45	880	1090	1108 1330	1362 1635	1655 1988	1988 2390	2148	1848	1007	5.80	2.13	1.83	2360 2840	DWG16	SM20	NT6217GK
F	54.4 45	-	-	- -	- -	- -	- -	2148	1848	891	4.29	2.41	2.07	- -	DWG16	SM23	NT6217GK
F	54.4 45	972	1240	1266 1567	1554 1888	1882 2274	2248 2720	2424	2084	1212	6.84	2.00	1.72	2654 3208	DWG16	SM20	NT6220GK
F	54.4 45	-	-	- -	- -	- -	- -	2424	2084	1058	5.20	2.29	1.97	- -	DWG16	SM23	NT6220GK
F	54.4 45	1210	1514	1570 1876	1920 2294	2312 2762	2736 3275	2928	2518	1556	8.78	1.88	1.62	3190 3830	DWG16	SM20	NT6222GK
F	54.4 45	-	-	- -	- -	- -	- -	2928	2518	1295	6.44	2.26	1.94	- -	DWG16	SM23	NT6222GK
F	54.4 45	1461	1821	1865 2243	2280 2726	2747 3271	3266 3879	3553	3056	1550	7.57	2.29	1.97	3838 4548	DWG17	SM21	NT6224GK
F	54.4 45	1582	1928	1986 2348	2410 2840	2892 3405	3432 4044	3689	3173	2089	11.83	1.77	1.52	4028 4755	DWG17	SM22	NT6226GK
F	54.4 45	-	-	- -	- -	- -	- -	3689	3173	1751	8.65	2.11	1.81	- -	DWG17	SM21	NT6226GK
F	54.4 45	1363	1764	1853 2249	2338 2819	2890 3472	3508 4210	3801	3269	1675	8.40	2.27	1.95	4194 5032	DWG14	SM17	NJ9226GK
F	54.4 45	1662	2154	2270 2754	2873 3462	3562 4277	4336 5200	4704	4045	1960	9.70	2.40	2.06	5196 6230	DWG14	SM17	NJ9232GK
F	54.4 45	2016	2640	2692 3315	3335 4045	4044 4830	4820 5668	5184	4458	2545	11.80	2.04	1.75	5660 6560	DWG14	SM17	NJ9238GK
F	54.4 45	1363	1764	1853 2249	2338 2819	2890 3472	3508 4210	3801	3269	1521	2.40	2.50	2.15	4194 5032	DWG14	SM18	NJ9226GS
F	54.4 45	1662	2154	2270 2754	2873 3462	3562 4277	4336 5200	4704	4045	1887	3.00	2.49	2.14	5196 6230	DWG14	SM18	NJ9232GS
F	54.4 45	2158	2778	2825 3499	3527 4320	4326 5243	5222 6267	5647	4856	2223	4.10	2.54	2.18	6216 7391	DWG14	SM18	NJ9238GS

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REFRIGERANT	APPLICATION	FREQUENCY
R-744	M/HBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm^3	in^3				A		cm^3	oz^3		kg	lb	mm	in
EK6160CD	1.00	0.06	516400004	100V 50-60Hz	CSCR	32.0	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6175CD	1.30	0.08	516400011	100V 50-60Hz	CSCR	32.6	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6210CD	1.75	0.11	516400005	115-127V 60Hz	CSCR	33.5	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56
EK6210CD	1.75	0.11	516400010	220V 60Hz	CSCR	18.0	C/V	150	5.07	POE 68	13.88	30.6	192.0	7.56

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	M/HBP	R-744

Cooling Type	Discharge Pressure	Cooling Capacity / Evaporating Temperature ºC Subcooled Conditions W						Rated Point +7.2ºC							Drawings		MODEL
								Cooling		W. Input	Current	EER			External View	Wiring Diagram	
	bar	-20	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
F	85	399	465	540	625	722	831	802	690	285	3.21	2.81	2.42	954	DWG18	SM25	EK6160CD
F	85	461	550	651	764	891	1030	1070	920	394	4.68	2.71	2.33	1182	DWG18	SM25	EK6175CD
F	85	554	677	817	972	1143	1327	1434	1233	536	5.31	2.68	2.30	1524	DWG18	SM25	EK6210CD
F	85	555	678	818	973	1144	1328	1434	1233	529	2.73	2.70	2.32	1525	DWG18	SM25	EK6210CD

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REFRIGERANT	APPLICATION	FREQUENCY
R-134a	HBP	60Hz

MODEL	Displacement		B.O.M.	Voltage / Frequency	Motor Type	LRA	Exp. Device	Lubricant			Weight		Max. Height A	
								Charge		Type				
	cm³	in³				A		cm³	oz³		kg	lb	mm	in
EMT37HDP	3.40	0.21	194IB	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	5.4	C	180	6.2	POE 22	7.7	17.0	166.0	6.5
EMT50HDP	4.50	0.27	194NB	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	9.1	C	180	6.2	POE 22	7.7	17.0	166.0	6.5
EMT6170Z	7.69	0.47	U.D.*	115V 60Hz 1~	CSIR	24.5	C/V	180	6.0	POE 22	7.8	17.2	166.0	6.5
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
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
NEK6187Z	10.0	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
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
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
NEK6212Z*	14.30	0.87	269AG	115V 60Hz / 100V 50Hz 1~	CSR	40.0	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1
NEK6214Z	16.80	1.02	269HG	115V 60Hz / 100V 50Hz 1~	CSR	48.0	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1
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
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
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
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
NEK6212Z	14.30	0.87	269AB	200-230V 50Hz / 208-230V 60Hz 1~	CSR	22.5	C/V	350	12.0	POE 22	11.0	24.3	206.0	8.1
NT6215Z	17.40	1.06	211AG	115V 60Hz / 100V 50Hz 1~	CSIR	44.0	C/V	450	16.0	POE 22	15.7	34.5	207.0	8.1
NT6215Z	17.40	1.06	211AG	115V 60Hz / 100V 50Hz 1~	CSR	44.0	C/V	450	16.0	POE 22	15.7	34.5	207.0	8.1
NT6217Z	20.40	1.24	212BG	115V 60Hz / 100V 50Hz 1~	CSIR	45.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6217Z	20.40	1.24	212BG	115V 60Hz / 100V 50Hz 1~	CSR	45.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6220Z	22.40	1.36	212CG	115V 60Hz / 100V 50Hz 1~	CSR	54.5	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6215Z	17.40	1.06	211AD	208-230V 60Hz / 200V 50Hz 1~	CSIR	20.8	C/V	450	16.0	POE 22	15.7	34.5	207.0	8.1
NT6217Z	20.40	1.24	212BD	208-230V 60Hz / 200V 50Hz 1~	CSIR	31.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6217Z	20.40	1.24	212BD	208-230V 60Hz / 200V 50Hz 1~	CSR	31.0	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6220Z	22.40	1.36	212CD	208-230V 60Hz / 200V 50Hz 1~	CSIR	33.7	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
NT6220Z	22.40	1.36	212CD	208-230V 60Hz / 200V 50Hz 1~	CSR	33.7	C/V	450	16.0	POE 22	16.5	36.3	220.0	8.7
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
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
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
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
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

*Under Development

FREQUENCY	APPLICATION	REFRIGERANT
60Hz	HBP	R-134a

Cooling Type	Condensing Temperature	Cooling Capacity / Evaporating Temperature ºC — Subcooled Conditions W												Drawings		MODEL
							Rated Point +7.2ºC							External View	Wiring Diagram	
							Cooling		W. Input	Current	EER					
	C	-15	-10	-5	0	5	W	kcal/h	W	A	W/W	kcal/hW	10	ref.	ref.	
	S	54.4 45	192	238	258 295	320 365	392 446	422	363	170	0.95	2.47	2.13	473 540	DWG01	SM00	EMT37HDP
	S	54.4 45	258	320	350 398	430 490	526 598	562	484	221	1.20	2.54	2.19	634 718	DWG01	SM00	EMT50HDP
	F	54.4 45	440	548	600 674	732 818	880 980	950	816	442	4.75	2.15	1.85	1041 1156	DWG01		EMT6170Z
	F	54.4 45	359	455	498 574	625 715	773 880	845	727	360	4.66	2.35	2.02	942 1066	DWG04	SM04	NEK6160Z
	F	54.4 45	427	537	583 673	724 835	892 1022	978	841	418	4.95	2.34	2.01	1090 1236	DWG04	SM04	NEK6170Z
	F	54.4 45	485	603	662 757	828 947	1026 1170	1122	965	486	5.82	2.30	1.99	1253 1428	DWG04	SM04	NEK6187Z
	F	54.4 45	573	726	801 912	995 1133	1219 1387	1326	1140	608	6.83	2.18	1.88	1469 1678	DWG04	SM04	NEK6210Z
	F	54.4 45	652	837	920 1055	1143 1304	1396 1585	1518	1305	766	8.95	1.98	1.70	1680 1900	DWG04	SM04	NEK6212Z
	F	54.4 45	-	-	- -	- -	- -	1568	1350	718	7.22	2.18	1.88	- -	DWG04	SM06	NEK6212Z
	F	54.4 45	750	954	1050 1198	1310 1484	1605 1810	1746	1502	853	8.70	2.05	1.76	1938 2178	DWG04	SM06	NEK6214Z
	F	54.4 45	358	452	497 570	624 711	771 875	842	724	349	2.40	2.41	2.07	936 1063	DWG03	SM04	NEK6160Z
	F	54.4 45	431	539	590 674	730 837	894 1027	974	838	414	2.42	2.35	2.02	1082 1244	DWG03	SM04	NEK6170Z
	F	54.4 45	512	630	668 778	833 958	1023 1170	1115	959	485	2.97	2.30	1.98	1238 1412	DWG03	SM04	NEK6187Z
	F	54.4 45	520	680	720 840	910 1060	-15 1320	1270	1090	605	3.75	2.10	1.80	1450 1658	DWG03	SM04	NEK6210Z
	F	54.4 45	665	850	915 1060	1125 1302	1358 1576	1475	1268	747	4.30	1.98	1.70	1620 1890	DWG03	SM06	NEK6212Z
	F	54.4 45	846	1074	1174 1346	1460 1660	1790 2025	1942	1670	810	8.95	2.39	2.06	2160 2438	DWG15	SM20	NT6215Z
	F	54.4 45	846	1074	1174 1346	1460 1660	1790 2025	1942	1670	763	7.08	2.55	2.19	2160 2438	DWG15	SM23	NT6215Z
	F	54.4 45	1002	1280	1338 1594	1660 1942	2016 2325	2180	1874	987	10.47	2.21	1.90	2410 2745	DWG15	SM20	NT6217Z
	F	54.4 45	1002	1280	1338 1594	1660 1942	2016 2325	2180	1874	899	8.19	2.43	2.09	2410 2745	DWG15	SM23	NT6217Z
	F	54.4 45	1138	1254	1308 1506	1684 1892	2195 2414	2466	2121	996	9.20	2.48	2.13	2844 3070	DWG17	SM21	NT6220Z
	F	54.4 45	804	1034	1142 1308	1412 1622	1722 1980	1878	1614	835	4.94	2.25	1.94	2074 2380	DWG15	SM20	NT6215Z
	F	54.4 45	976	1240	1341 1556	1657 1922	2027 2340	2208	1899	982	5.78	2.24	1.93	2453 2810	DWG15	SM20	NT6217Z
	F	54.4 45	976	1240	1341 1556	1657 1922	2027 2340	2287	1967	884	4.28	2.58	2.23	2453 2810	DWG15	SM23	NT6217Z
	F	54.4 45	1088	1380	1500 1725	1852 2120	2253 2570	2448	2105	1080	6.47	2.27	1.95	2704 3070	DWG16	SM20	NT6220Z
	F	54.4 45	1088	1380	1500 1725	1852 2120	2253 2570	2448	2105	1002	4.62	2.44	2.10	2704 3070	DWG16	SM23	NT6220Z
	F	54.4 45	1125	1478	1721 1916	2201 2442	2727 3053	2973	2557	1250	13.30	2.38	2.05	3299 3751	DWG14	SM14	NJ6220Z
	F	54.4 45	1125	1478	1721 1916	2201 2442	2727 3053	2973	2557	1220	7.40	2.44	2.10	3299 3751	DWG14	SM14	NJ6220Z
	F	54.4 45	1662	2096	2064 2608	2604 3199	3196 3868	3473	2987	1525	7.30	2.28	1.96	3840 4616	DWG14	SM17	NJ6226Z
	F	54.4 45	1125	1478	1721 1916	2201 2442	2727 3053	2973	2557	1021	1.60	2.91	2.50	3299 3751	DWG14	SM18	NJ6220ZX
	F	54.4 45	1662	2096	2064 2608	2604 3199	3196 3868	3473	2987	1390	2.40	2.50	2.15	3840 4616	DWG14	SM18	NJ6226ZX

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

Type	Description
AB	alkylbenzene
MO	mineral
POE	polyolester

Test Conditions

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

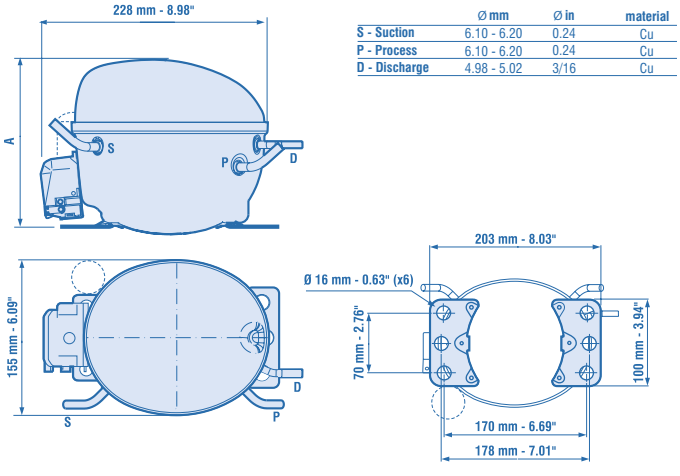
Test Conditions - R-744

	Evaporating Temperature °C (°F)	Discharge Pressure bar	Return Gas Temperature °C (°F)	Ambient Temperature °C (°F)	Approach Temperature °C (°F)
MBP	-10.0 (14.0)	85.0	32.0 (89.6)	32.0 (89.6)	32.0 (89.6)
HBP	7.2 (45.0)	85.0	32.0 (89.6)	32.0 (89.6)	32.0 (89.6)

Notice: 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.

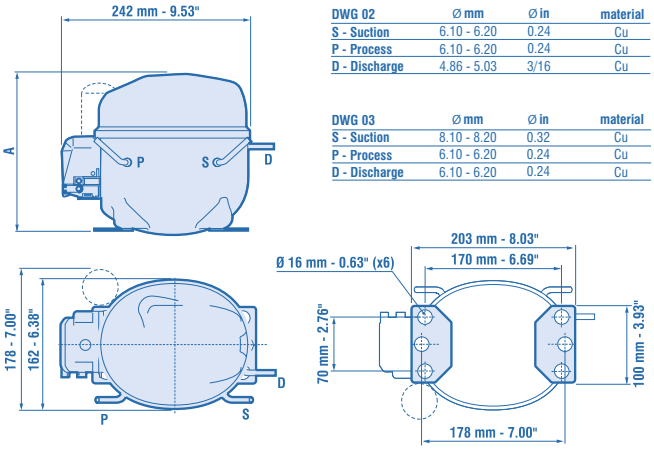
EXTERNAL VIEWS

DWG 01 **EM SERIES** European Base Plate



	Ø mm	Ø in	material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	4.98 - 5.02	3/16	Cu

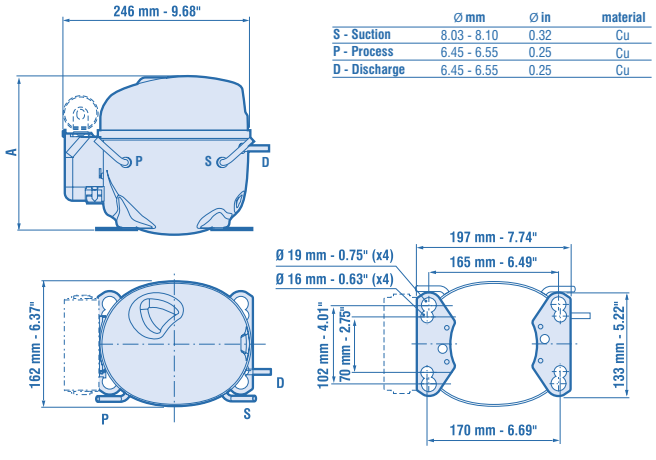
DWG 02 / DWG 03 **NB/NE SERIES** European Base Plate



DWG 02	Ø mm	Ø in	material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	4.86 - 5.03	3/16	Cu

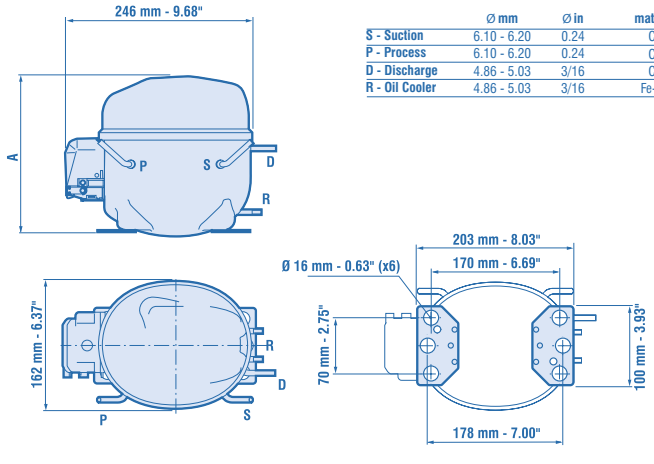
DWG 03	Ø mm	Ø in	material
S - Suction	8.10 - 8.20	0.32	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	6.10 - 6.20	0.24	Cu

DWG 04 **NB/NE SERIES** Universal Base Plate



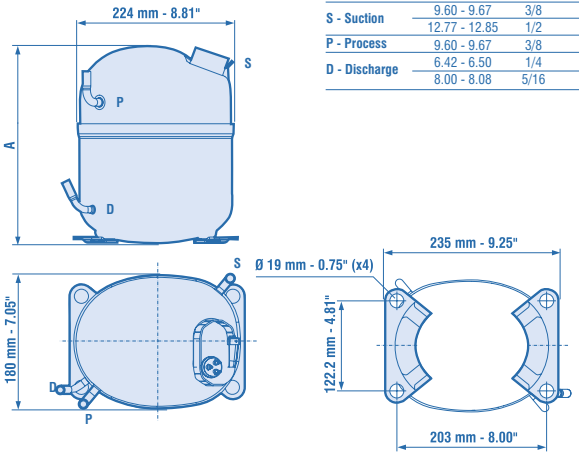
	Ø mm	Ø in	material
S - Suction	8.03 - 8.10	0.32	Cu
P - Process	6.45 - 6.55	0.25	Cu
D - Discharge	6.45 - 6.55	0.25	Cu

DWG 05 **NB/NE SERIES** Oil Cooler



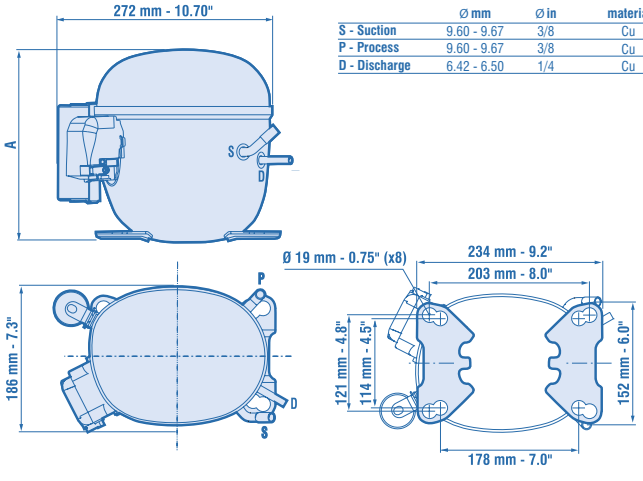
	Ø mm	Ø in	material
S - Suction	6.10 - 6.20	0.24	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	4.86 - 5.03	3/16	Cu
R - Oil Cooler	4.86 - 5.03	3/16	Fe-Cu

DWG 14 **NJ SERIES**



	Ø mm	Ø in	material
S - Suction	9.60 - 9.67	3/8	Cu
	12.77 - 12.85	1/2	Cu
P - Process	9.60 - 9.67	3/8	Cu
D - Discharge	6.42 - 6.50	1/4	Cu
	8.00 - 8.08	5/16	Cu

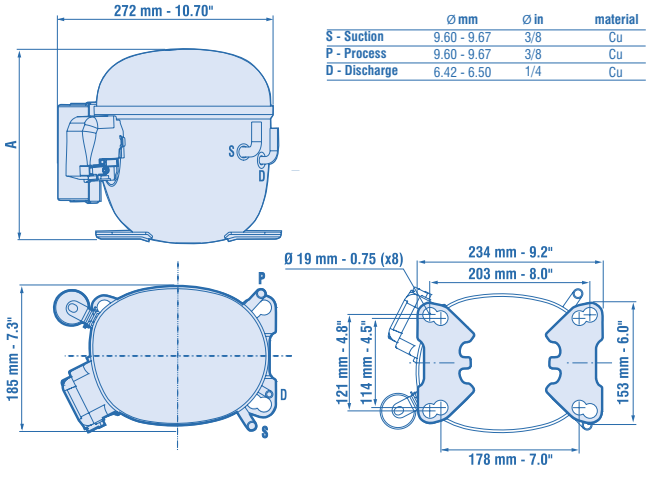
DWG 15 **NT SERIES**



	Ø mm	Ø in	material
S - Suction	9.60 - 9.67	3/8	Cu
P - Process	9.60 - 9.67	3/8	Cu
D - Discharge	6.42 - 6.50	1/4	Cu

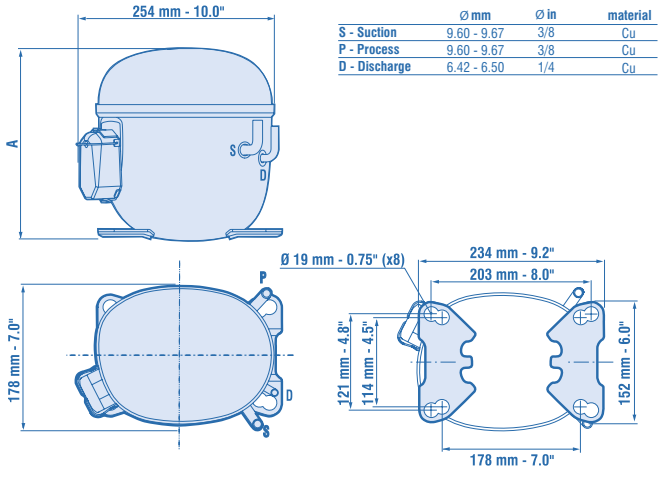
EXTERNAL VIEWS

DWG 16 **NT SERIES**



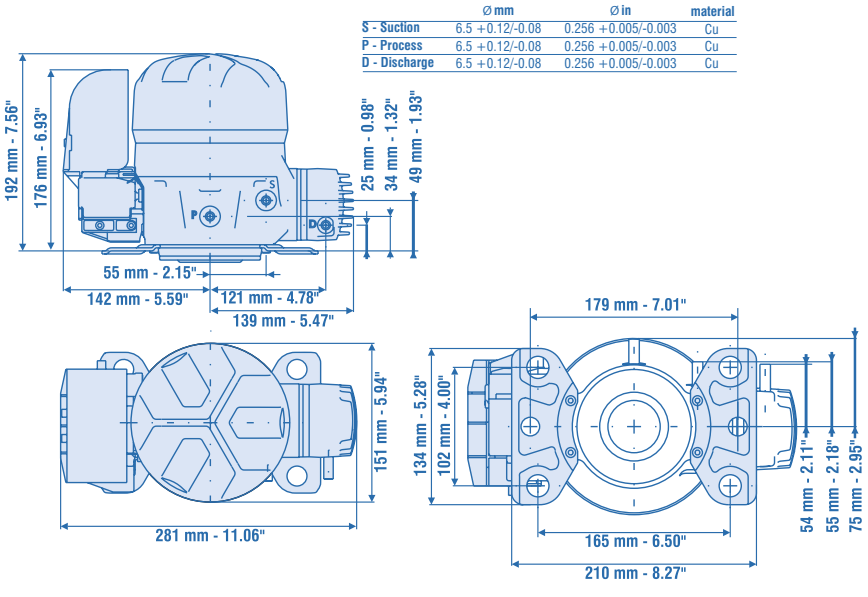
	Ø mm	Ø in	material
S - Suction	9.60 - 9.67	3/8	Cu
P - Process	9.60 - 9.67	3/8	Cu
D - Discharge	6.42 - 6.50	1/4	Cu

DWG 17 **NT SERIES**



	Ø mm	Ø in	material
S - Suction	9.60 - 9.67	3/8	Cu
P - Process	9.60 - 9.67	3/8	Cu
D - Discharge	6.42 - 6.50	1/4	Cu

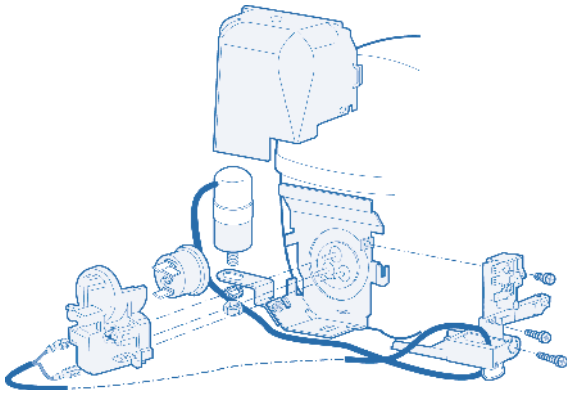
DWG 18 **EK SERIES**

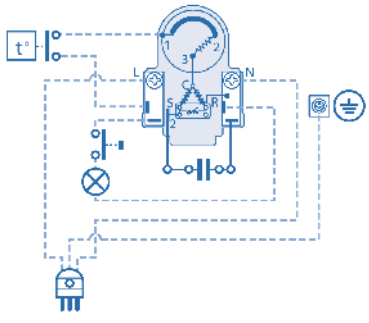


	Ø mm	Ø in	material
S - Suction	6.5 +0.12/-0.08	0.256 +0.005/-0.003	Cu
P - Process	6.5 +0.12/-0.08	0.256 +0.005/-0.003	Cu
D - Discharge	6.5 +0.12/-0.08	0.256 +0.005/-0.003	Cu

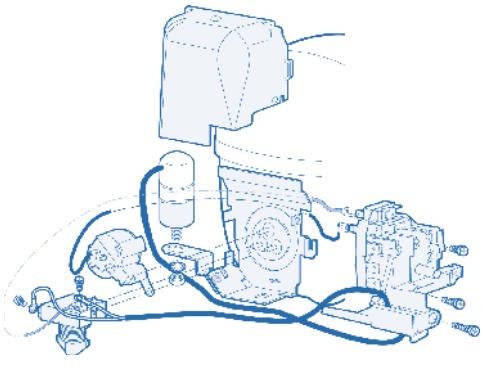
WIRING DIAGRAMS

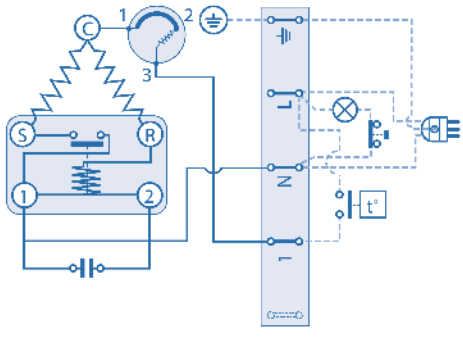
SM 00 **EM - NB/NE SERIES** RSIR - RSCR PTC Integrated Start Device - European Version



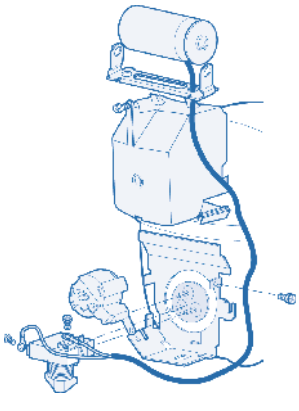


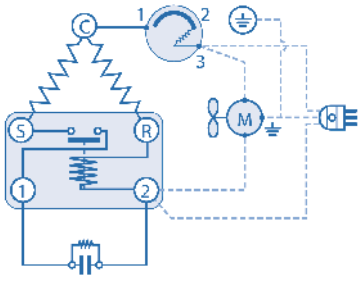
SM 03 **EM/NB/NE SERIES** RSIR Terminal Board & Start Device



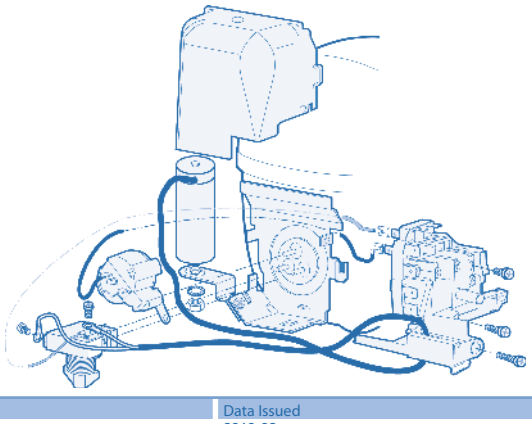


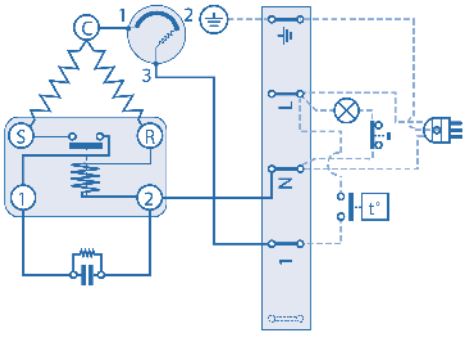
SM 04 **NB/NE SERIES** CSIR Cord Anchorage & Start Device - American Version





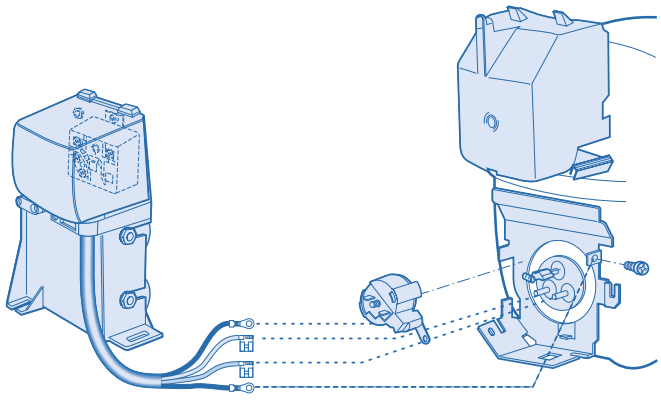
SM 05 **EM/NB/NE SERIES** CSIR Terminal Board & Start Device

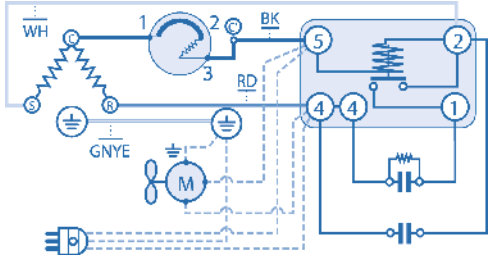




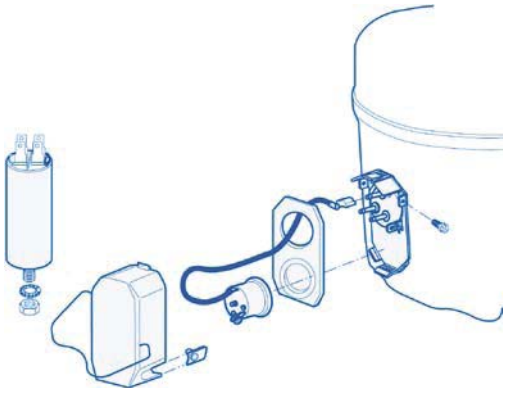
WIRING DIAGRAMS

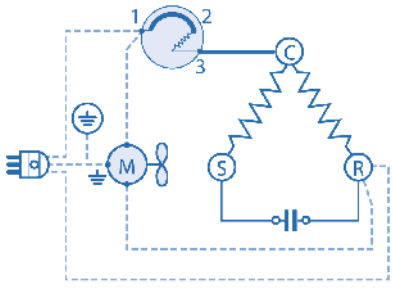
SM 06 **EM/NB/NE SERIES** CSR Box



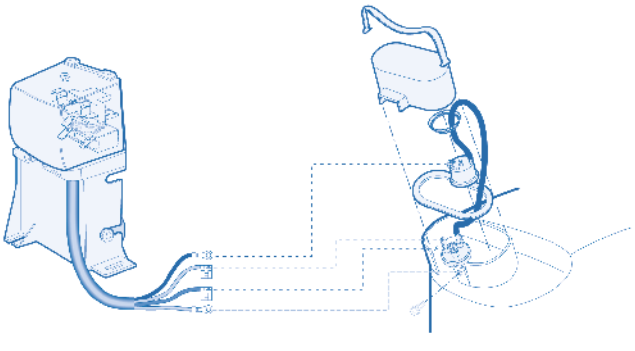


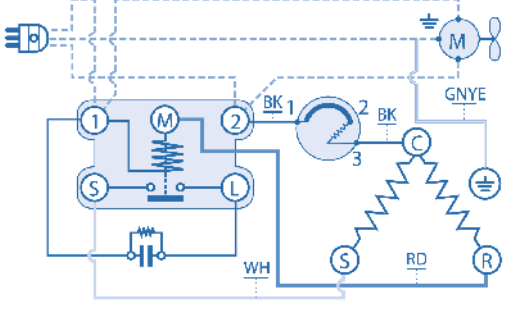
SM 07 **NE SERIES** PSC



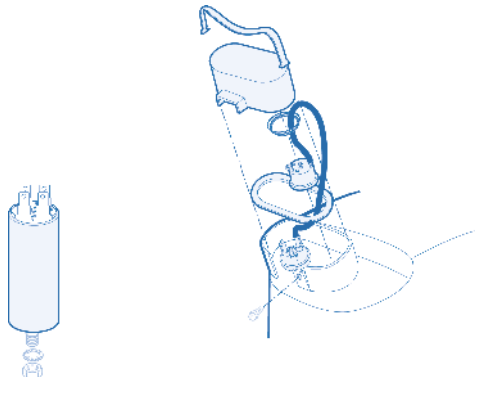


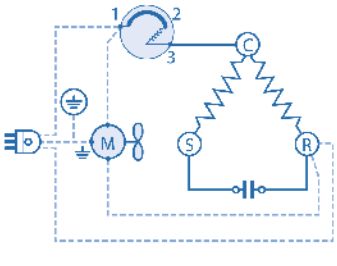
SM 14 **NJ SERIES** CSIR Box



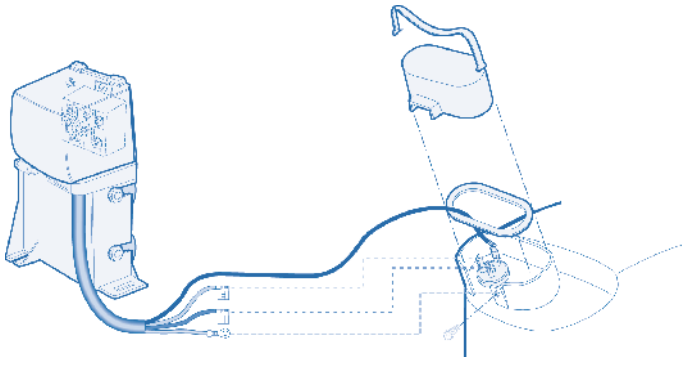


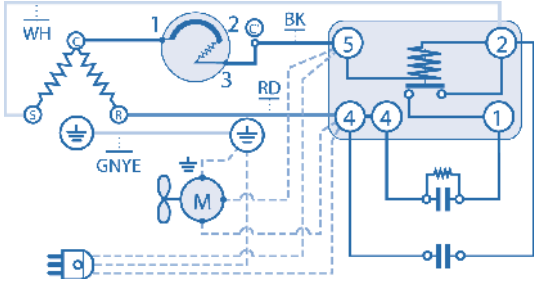
SM 15 **NJ SERIES** PSC



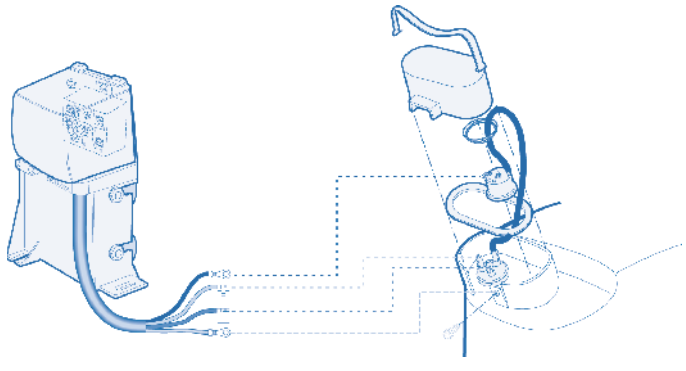


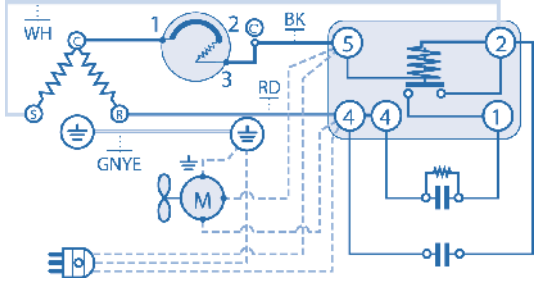
SM 16 **NJ SERIES** CSR Box (Internal Overload Protector)



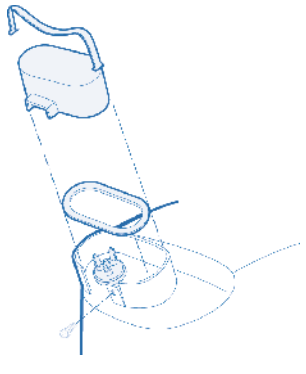


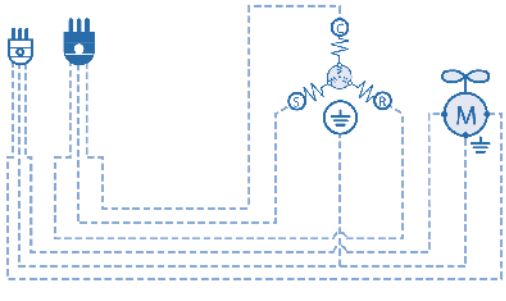
SM 17 **NJ SERIES** CSR Box



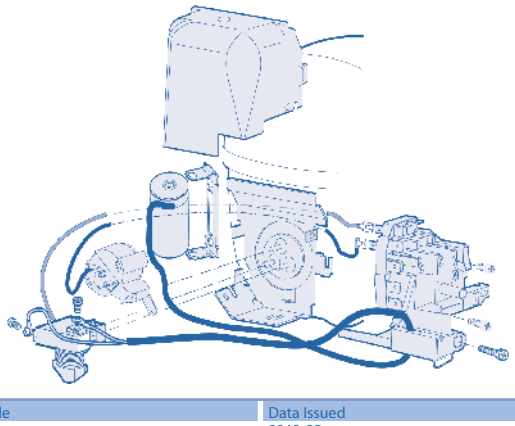


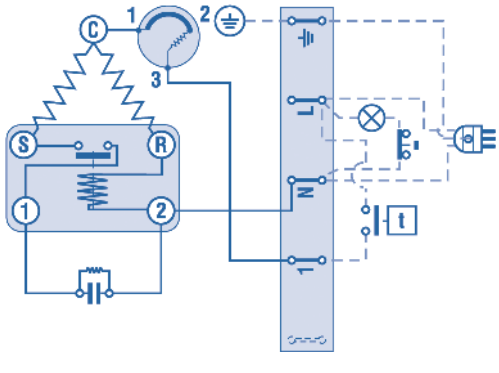
SM 18 **NJ SERIES** 3-Phase





SM 19 **NT SERIES** CSIR Terminal Board

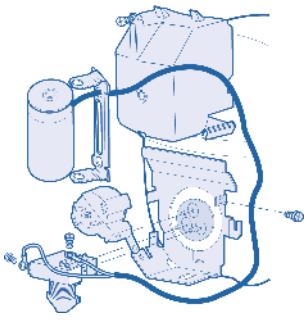


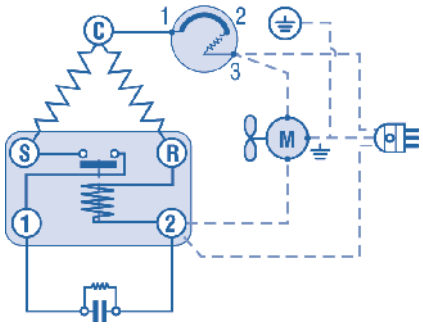


embraco

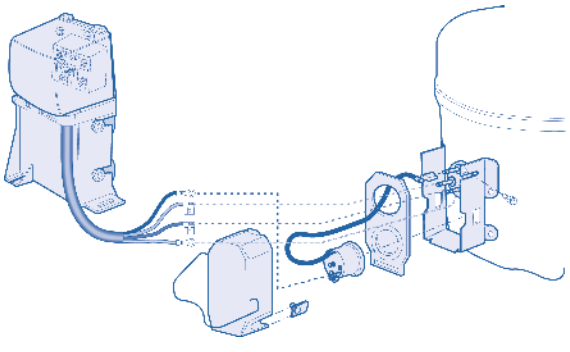
WIRING DIAGRAMS

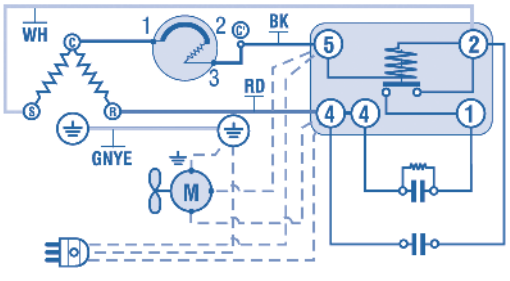
SM 20 **NT SERIES** CSIR Simple Cover



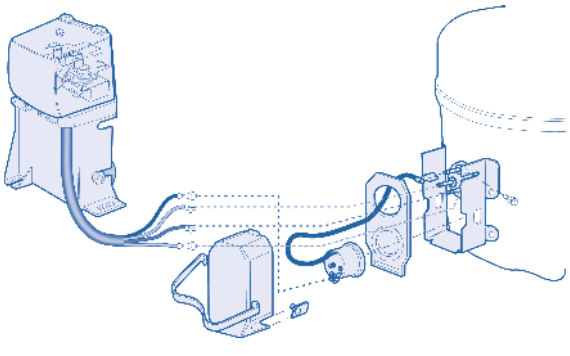


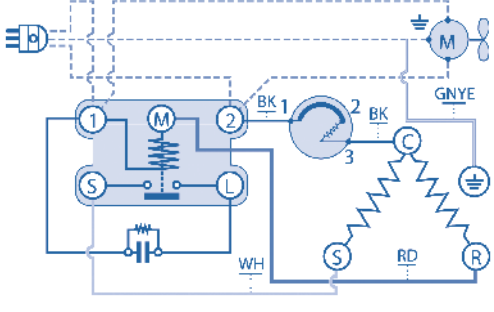
SM 21 **NT SERIES** CSR Box



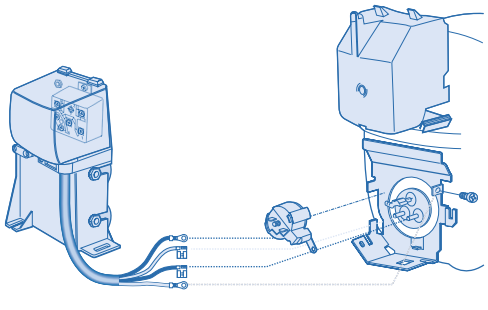


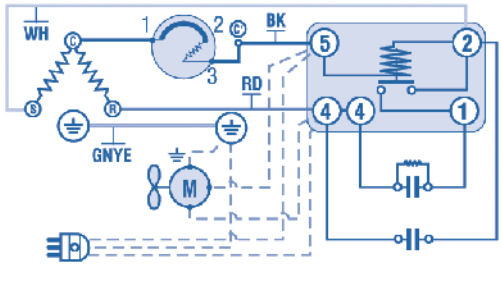
SM 22 **NT SERIES** CSIR Box



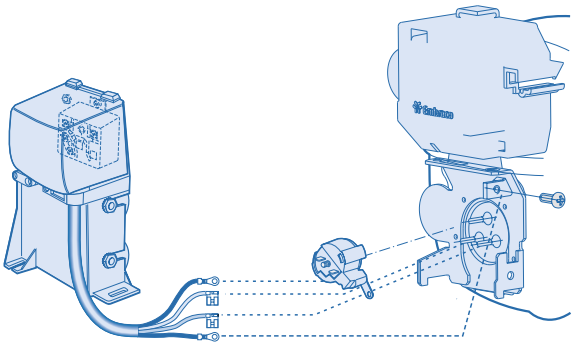


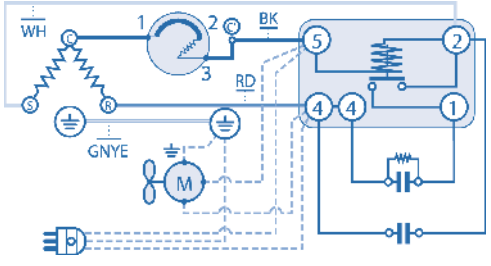
SM 23 **NT SERIES** CSR Box



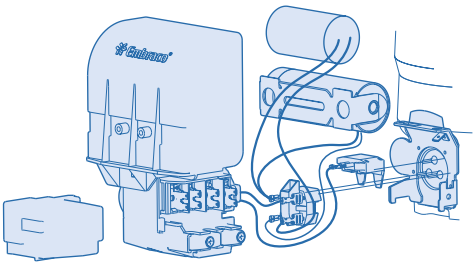


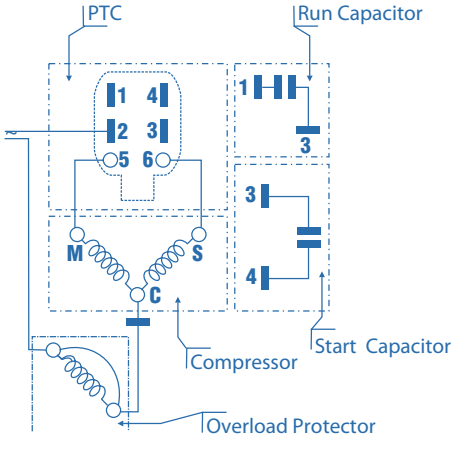
SM 24 **EK SERIES** CSR Box





SM 25 **EK SERIES** PTC CSR

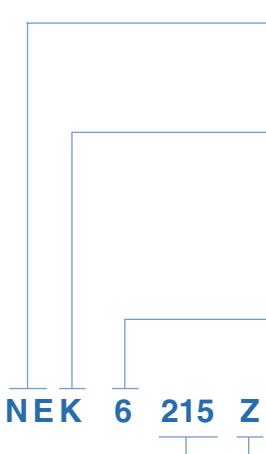




Notice: In order to increase the safety of our product, Embraco proposes the connection of the overload protector to the phase wire (Power Supply). The neutral wire must be connected at the starting.relay

NOMENCLATURE

COMPRESSOR MODEL



Compressor Series — NB | NE | NJ | NT | EK

Efficiency Level

Application Code

1. LBP - LST
2. LBP - HST
3. LBP - LST with oil cooler
4. LBP - HST with oil cooler
5. MBP/HBP - LST
6. MBP/HBP - HST
7. AC
8. not used
9. MBP/HBP - HST

Refrigerant Code

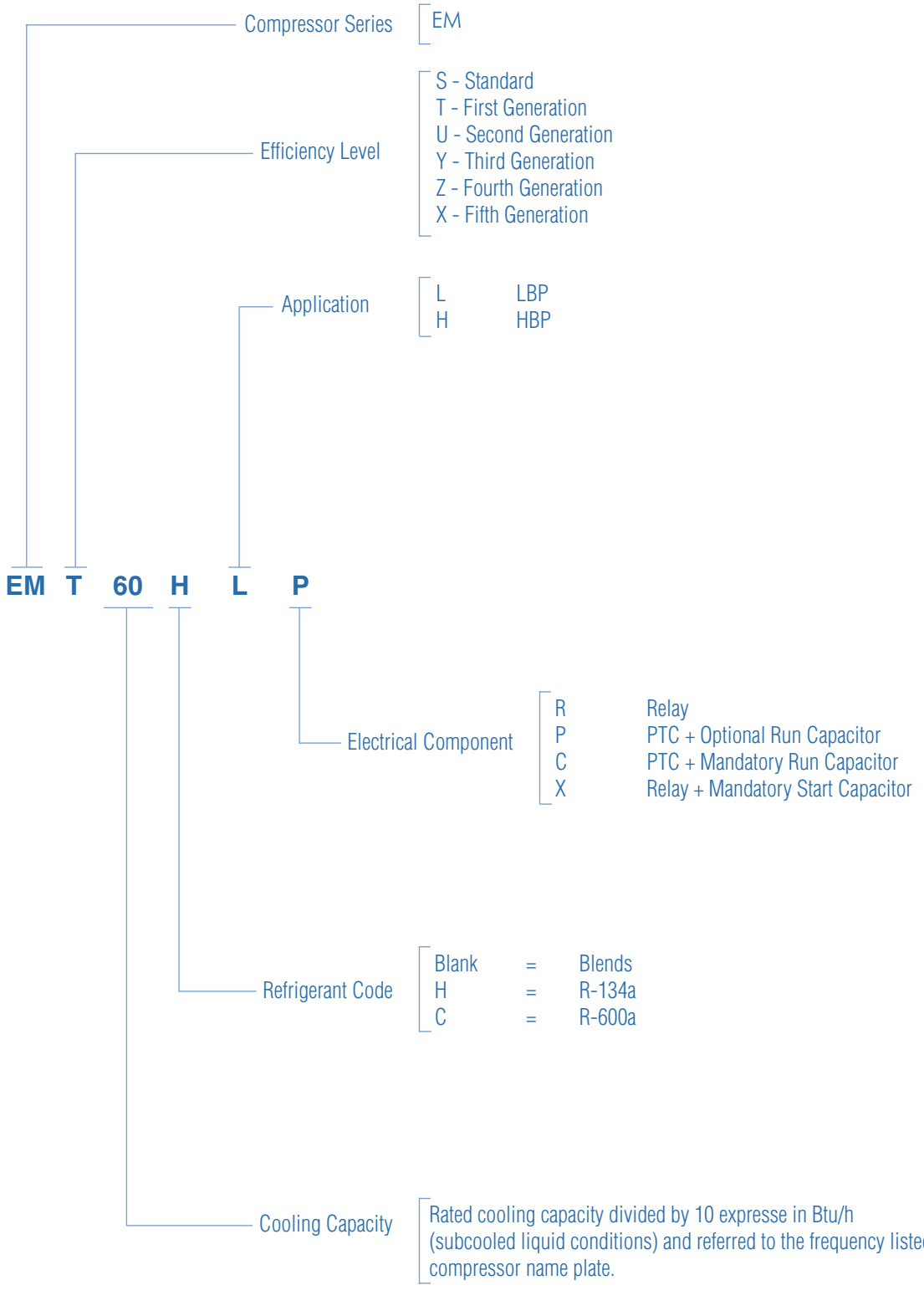
A - B - C - D	=	Blends 1~
CD	=	R-744 1~
E - F - G	=	R-22 1~
GE - GF - GG	=	R-407C 1~
GK - GJ	=	R-404A/R-507 1~
GS	=	R-404A/R-507 3~
GP	=	R-407C 3~
K - J - L	=	R-502 1~
M - N	=	Blends 3~
P	=	R-22 3~
R	=	Gas Recovery
S - T	=	R-502 3~
U - UH	=	R-290 1~
V	=	R-290 + R-600a Blends 1~
W - WW	=	Air pump
X	=	R-1270
Y	=	R-600a 1~
Z - ZH - H	=	R-134a 1~
ZX	=	R-134a 3~

Cooling Capacity

The first digit is the number of zeros that must be added to the last two digits to obtain the cooling capacity (approx) in kcal/h at 50Hz.
E.g.: 144 = 440 kcal/h at 50Hz

NOMENCLATURE

COMPRESSOR MODEL



BILL OF MATERIAL

Model Code

External Execution Code

247A **A** **02**

Supply Code

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

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