



Danfoss Compressors



Beverage Coolers
220-240 V • 50/60 Hz • MBP

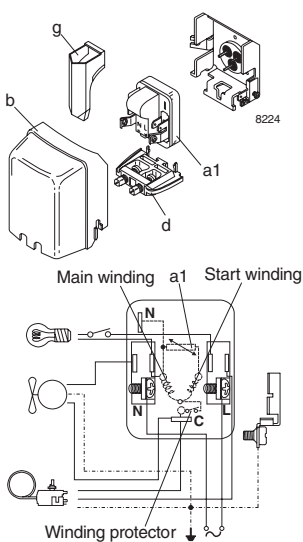
Refrigerant	Frequency	Compressor	Code numbers		Horse-power (approx.)	EN 12900 (CECOMAF)										EN 12900 (CECOMAF)		Dis- place- ment
			Com- pressor	Com- pressor with oil cooling		Capacity [W]										Power consumption [W]		
						Evaporating temperature [°C]										Evaporating temperature [°C]		
						-20	-15	-10	-6.7	-5	0	5	7.2	10	-10	5	[cm³]	
R134a	50Hz	PL35G	101G0250		1/16	39	53	69	82	89	112	140	153	172	67	90	2.00	
		TL2.5G	102G4251		1/16	51	69	90	106	116	145	179	196	219	84	113	2.61	
		TL3G	102G4350		1/12	59	81	106	125	136	170	211	230	258	96	133	3.13	
		TL4G	102G4452		1/10	80	107	140	165	180	226	280	306	342	118	154	3.86	
		TL5G	102G4550		1/8	107	139	178	208	224	278	341	372	414	149	205	5.08	
		NL6.1MF	105G6660		1/6	141	189	245	288	312	390	482	527	588	187	243	6.13	
		NL7.3MF	105G6772		1/5	179	236	304	356	385	480	591	645	719	227	298	7.27	
		NL8.4MF	105G6879		1/4	213	277	353	412	445	553	679	735	813	261	349	8.35	
		NL10MF	105G6885	105G6887	1/3	266	346	441	513	554	687	843	919	1028	323	435	10.10	
		NLE10MF ○	105G6888		1/3			439		555					305		10.10	
		FR6G	103G6660		1/6	124	171	226	267	290	365	452	494	552	172	241	6.23	
		FR7.5G	103G6680	103G6690	1/5	142	193	254	299	325	408	505	553	618	194	272	6.93	
		FR8.5G	103G6780	103G6790	1/4	171	228	298	351	381	478	592	647	722	231	321	7.95	
		FR10G	103G6880	103G6890	1/4	188	250	324	380	412	516	638	697	779	265	362	9.05	
		FR11G	103G6980		1/3	233	307	395	463	501	628	780			317	445	11.15	
		SC10G	104G8000		5/16	183	268	369	445	486	618	764	833	925	290	383	10.29	
		SC12G	104G8240	104G8250	1/3	252	348	464	553	603	768	960	1054	1182	355	493	12.87	
		SC15G	104G8520	104G8530	3/8	290	424	568	672	728	908	1110	1207	1340	440	595	15.28	
		SC18G	104G8820	104G8830	1/2	394	526	684	804	870	1087	1337	1459	1624	507	695	17.69	
		SC21G	104G8140		5/8	453	606	793	934	1013	1269	1561	1700	1889	575	789	20.95	
	GS26MFX ○	107B0700		1	752	979	1254	1466	1581	1968	2419	2639		1132	1432	26.30		
	GS34MFX ○	107B0701		1 1/4	958	1246	1596	1866	2013	2505	3079	3360		1441	1823	33.80		
	60Hz	TL2.5G	102G4251		1/12	60	80	105	124	134	168	208	227	253	96	132	2.61	
		TL4GH	102G4455		1/8		118	160	190	208	264	328	360	403	139	193	3.86	
		NL6.1MF ○	105G6660		1/5			302			491		645		220		6.13	
		NL7.3MF ○	105G6772		1/4			370			585		769		277		7.27	
		NL8.4MF ○	105G6879		1/3			433			672		883		315		8.35	
		NL10MF ○	105G6885	105G6887	3/8			523			813		1068		377		10.10	
		SC12G	104G8245		3/8	248	370	519	632	696	907	1157	1280	1449	388	559	10.29	
		SC15G	104G8526		1/2	308	468	641	766	834	1049	1292	1409	1567	470	642	12.87	
		SC18G	104G8823		5/8	432	573	745	879	955	1207	1506	1654	1858	511	708	15.28	
R404A/R507	50Hz	TL4DL	102U2038		1/6	196	229	281	324	349	432	527	571	631	203	256	3.86	
		FR6DL	103U2680		1/4	317	385	471	538	576	698	840	907	999	354	456	6.23	
		NF7MLX ○	105F3720		1/5			607									7.27	
		SC10MLX	104L2506		1/2	546	687	855	981	1051	1278	1537	1662		518	633	10.29	
		SC12MLX	104L2606		5/8	669	838	1038	1188	1272	1542	1852	2001		620	762	12.87	
		SC15MLX	104L2869		3/4	829	1038	1285	1471	1574	1909	2293			780	979	15.28	
		SC18MLX	104L2139		7/8	968	1210	1497	1712	1832	2220	2665			860	1080	17.68	
		GS21MLX ○	107B0502		1	1140	1425	1770	2025	2170	2630	3160	3415				21.20	
		GS26MLX ○	107B0503		1 1/4	1415	1770	2195	2510	2690	3260	3920	4235				26.30	
		GS34MLX ○	107B0504		1 1/2	1820	2275	2820	3325	3460	4195	5040	5445				33.80	
	60Hz	NF7MLX ○	105F3720		1/4			724									7.27	
		SC10MLX	104L2506		5/8	646	816	1015	1164	1246	1510	1812			612	817	10.29	
		SC12MLX	104L2606		3/4	773	970	1199	1370	1465	1770	2118	2286		729	975	12.87	
SC15MLX.2		104L2803		7/8	915	1145	1418	1623	1737	2107	2531	2735		860	1080	15.28		
R290	50Hz	TL5CNK	102H4590		1/6	230	283	345	391	416	496	586			211	266	5.08	
		NL7CNK	105H6756		1/4	368	458	561	637	679	814	965			291	372	7.27	
		NL9CNK	105H6856		1/3	423	526	643	730	778	930	1102			334	428	8.35	
		SC10CNX	104H8065		3/8	420	531	660	756	809	979	1172			362	422	10.29	
		SC12CNX	104H8265		1/2	540	678	846	976	1050	1293	1582			456	576	12.87	
		SC15CNX	104H8565		5/8	707	887	1093	1245	1328	1594	1894			560	715	15.28	
		SC18CNX	104H8865		3/4	824	1033	1272	1447	1543	1849	2193			707	952	17.69	

Dis- place- ment	Recommended compressor cooling at ambient temperature									Voltage and frequen- cies	Electrical Equipment								Compressor
											LST (RSIR)		HST (CSIR)		HST (CSR)	HST (CSR)	LST/HST		
											PTC Starting device		Starting relay	Starting capacitor	Starting unit	Starting kit	Cord relief	Cover	
	spades		spades		spades	spades													
	[cm²]	LBP	MBP	HBP	LBP	MBP	HBP	LBP	MBP		HBP	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm	6.3 mm		
2.00		F2	F2		F2	F2				1/5	103N0011	103N0018	117U6021	117U5014			103N1010	103N0491	PL35G
2.61	S	S	S	S	S	S	S	S	F2	1/2/3/6	103N0011	103N0018	117U6007	117U5014			103N1010	103N2010	TL2.5G
3.13	S	S	F2	S	S	F2	S	S	F2	1/2/3	103N0011	103N0018	117U6009	117U5014			103N1010	103N2010	TL3G
3.86	S	S	F2	S	S	F2	S	S	F2	1/2/3	103N0011	103N0018	117U6004	117U5014			103N1010	103N2010	TL4G
5.08	S	S	F2	S	S	F	S	S	F2	1/2/3	103N0011	103N0018	117U6000	117U5014			103N1010	103N2010	TL5G
6.13		F1			F1			F1		7/8	103N0011	103N0018	117U6015	117U5015			103N1010	103N2010	NL6.1MF
7.27		F1			F1			F1		7/8	103N0011	103N0018	117U6016	117U5015			103N1010	103N2010	NL7.3MF
8.35		F1			F1			F1		7/8	103N0011	103N0018	117U6016	117U5018			103N1010	103N2010	NL8.4MF
10.10		O/F1			O/F1			O/F1		7/8	103N0011	103N0018	117U6022	117U5018			103N1010	103N2010	NL10MF
10.10		F1			F1			F1		1	103N0011	103N0018	117U6003	117U5015			103N1010	103N2010	○ NLE10MF
6.23	S	S	F2	S	S	F2	S	S	F2	1/2/3	103N0011	103N0018	117U6000	117U5015			103N1010	103N2010	FR6G
6.93	S	F2	F2	S	F2	F2	O/F1	F2	F2	1/2/3	103N0011	103N0018	117U6001	117U5015			103N1010	103N2010	FR7.5G
7.95	S	F2	F2	O/F1	F2	F2	O/F1	F2	F2	1/2/3	103N0011	103N0018	117U6015	117U5015			103N1010	103N2010	FR8.5G
9.05	S	F2	F2	O/F1	F2	F2	O/F1	F2	F2	1/2/3	103N0011	103N0018	117U6010	117U5015			103N1010	103N2010	FR10G
11.15	F2	F2	F2	F2	F2	F2	F2	F2	F2	1/2	103N0011	103N0018	117U6010	117U5015			103N1010	103N2010	FR11G
10.29	F1	F1	F2	F1	F1	F2	F1	F1	F2	1/2/3	103N0002		117U6002	117U5017			103N1004	103N2009	SC10G
12.87	O/F1	F2	F2	O/F1	F2	F2	O/F1	F2	F2	1/2/3	103N0002		117U6003	117U5017			103N1004	103N2009	SC12G
15.28	O/F1	F2	F2	O/F1	F2	F2	O/F1	F2	F2	1/2/3			117U6005	117U5017			103N1004	103N2009	SC15G
17.69	O/F1	F2	F2	O/F1	F2	F2	O/F1	F2	F2	1/2/3			117U6019	117U5017			103N1004	103N2009	SC18G
20.95	F2	F2	F2	F2	F2	F2	F2*	F2	F2	1/2/3					117-7028		103N1004	103N2009	SC21G
26.30		F2			F2			F2		1					117-7055		Cover: 107B9100/01/04	○ GS26MFX	
33.80		F2			F2			F2		1					117-7056		Cover: 107B9100/01/04	○ GS34MFX	
2.61	S	S	S	S	S	S	S	S	F2	1/2/3/6	103N0011	103N0018	117U6007	117U5014			103N1010	103N2010	TL2.5G
3.86		F2	F2		F2	F2		F2	F2	1/4			117U6000	117U5014			103N1010	103N2011	TL4GH
6.13		F1			F1			F1		7/8	103N0011	103N0018	117U6015	117U5015			103N1010	103N2010	○ NL6.1MF
7.27		F1			F1			F1		7/8	103N0011	103N0018	117U6016	117U5015			103N1010	103N2010	○ NL7.3MF
8.35		F1			F1			F1		7/8	103N0011	103N0018	117U6016	117U5018			103N1010	103N2010	○ NL8.4MF
10.10		O/F1			O/F1			O/F1		7/8	103N0011	103N0018	117U6022	117U5018			103N1010	103N2010	○ NL10MF
10.29		F2			F2			F2		8			117U6011	117U5019			103N1004	103N2008	SC12G
12.87		F2			F2			F2		8			117U6011	117U5019			103N1004	103N2008	SC15G
15.28		F2			F2			F2		8					117-7028		103N1004	103N2009	SC18G
3.86		F2	F2		F2	F2				1			117U6001	117U5014			103N1010	103N2010	TL4DL
6.23		F2	F2		F2	F2				1			117U6010	117U5015			103N1010	103N2010	FR6DL
7.27		F2			F2					7/8			117U4139	117U5018			2x117U0349	117U1022	○ NF7MLX
10.29		F2			F2			F2		7/8			117U6011	117U5019			103N1004	103N2008	SC10MLX
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15.28		F2			F2			F2		1			117U6013	117U5018			103N1004	103N2009	SC15MLX
17.68		F2			F2			F2		1					117-7012		103N1004	103N2009	SC18MLX
21.20		F2			F2			F2		1					117-7056		Cover: 107B9100/01/04	○ GS21MLX	
26.30		F2			F2			F2		1					117-7055		Cover: 107B9100/01/04	○ GS26MLX	
33.80		F2			F2			F2		1					117-7056		Cover: 107B9100/01/04	○ GS34MLX	
7.27		F2			F2			F2		7/8			117U4139	117U5018			2x117U0349	117U1022	○ NF7MLX
10.29		F2			F2			F2		7/8			117U6011	117U5019			103N1004	103N2008	SC10MLX
12.87		F2			F2			F2		7/8			117U6011	117U5019			103N1004	103N2008	SC12MLX
15.28		F2			F2					8					117-7058		103N1004	103N2009	SC15MLX.2
5.08	F1	F1***		F1	F1***		F1	F1***		1	103N0016 ¹⁾	103N0021 ¹⁾					103N1010	103N2010	TL5CNK
7.27	F1	F1		F1	F1		F1	F2		1	103N0011	103N0018					103N1010	103N2010	NL7CNK
8.35	F1	F1		F1	F1		F2***	F2***		1	103N0016 ¹⁾	103N0021 ¹⁾					103N1010	103N2010	NL9CNK
10.29	F2	F2		F2	F2		F2	F2		1					117-7049	117-9719	103N1004	103N2009	SC10CNX
12.87	F2	F2		F2	F2		F2	F2		1					117-7049	117-9719	103N1004	103N2009	SC12CNX
15.28	F2	F2		F2	F2		F2	F2		1					117-7051	117-9711	103N1004	103N2009	SC15CNX
17.69	F2	F2		F2	F2		F2	F2		1					117-7034	117-9718	103N1004	103N2009	SC18CNX

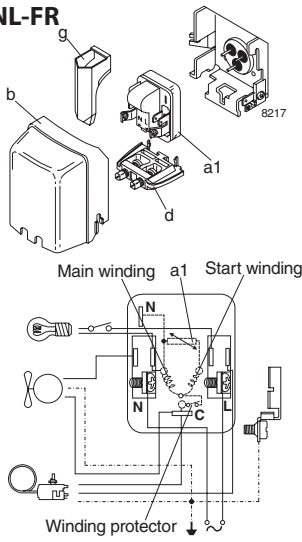
Dimensions						PL	TL
Height [mm]		Connectors location/I.D. [mm]					
A	B	Suc- tion C	Pro- cess D	Dis- charge E	Oil cooler F		
137	135	6.2	6.2	5.0			
163	159	6.2	6.2	5.0			
163	159	6.2	6.2	5.0			
173	169	6.2	6.2	5.0			
173	169	6.2	6.2	5.0			
197	191	8.2	6.2	6.2			
197	191	8.2	6.2	6.2			
197	191	8.2	6.2	6.2			
203	197	8.2	6.2	6.2	6.2		
203	197	8.2	6.2	6.2			
196	191	8.2	6.2	6.2			
196	191	8.2	6.2	6.2	6.2		
196	191	8.2	6.2	6.2			
196	191	8.2	6.2	6.2			
199	193	8.2	6.2	6.2			
209	203	8.2	6.2	6.2	6.2		
209	203	10.2	6.2	6.2	6.2		
219	213	8.2	6.2	6.2	6.2		
219	213	10.2	6.2	6.2			
259	247	12.9	6.5	8.2			
259	247	12.9	6.5	8.2			
163	159	6.2	6.2	5.0			
173	169	6.2	6.2	5.0			
197	191	8.2	6.2	6.2			
197	191	8.2	6.2	6.2			
197	191	8.2	6.2	6.2			
203	197	8.2	6.2	6.2	6.2		
209	203	10.2	6.5	6.5			
209	203	10.2	6.5	6.5			
219	213	10.2	6.5	6.5			
173	169	6.2	6.2	5.0			
197	191	8.2	6.2	6.2			
203	197	9.7	6.5	6.5			
209	203	8.2	6.5	6.5			
219	213	8.2	6.5	6.5			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
259	247	12.9	6.5	8.2			
259	247	12.9	6.5	8.2			
279	267	12.9	6.5	8.2			
203	197	9.7	6.5	6.5			
209	203	8.2	6.5	6.5			
219	213	8.2	6.5	6.5			
219	213	9.7	6.5	6.5			
173	169	6.2	6.2	5.0			
203	197	8.2	6.2	6.2			
203	197	8.2	6.2	6.2			
209	203	8.2	6.2	6.2			
209	203	8.2	6.2	6.2			
209	203	8.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			
219	213	10.2	6.2	6.2			

LST - RSIR

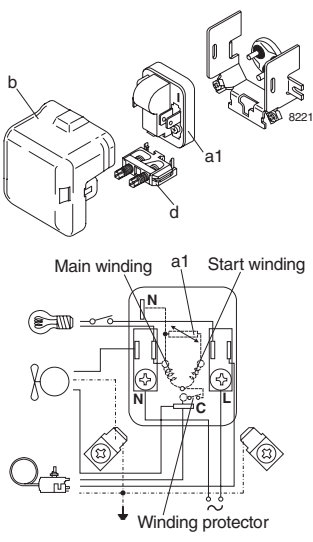
PL



TL-NL-FR

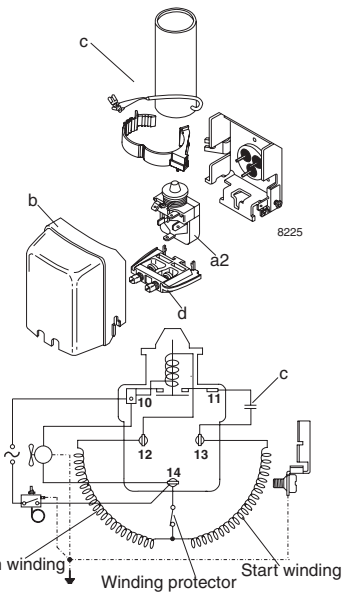


SC

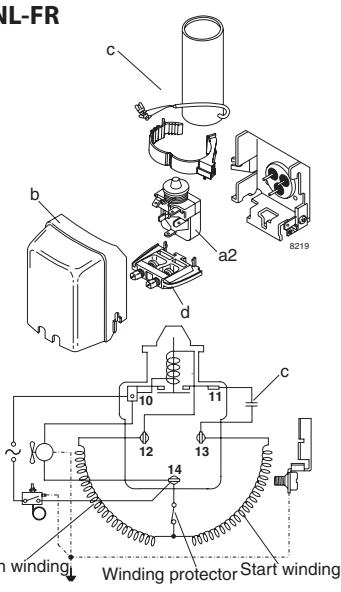


HST - CSIR

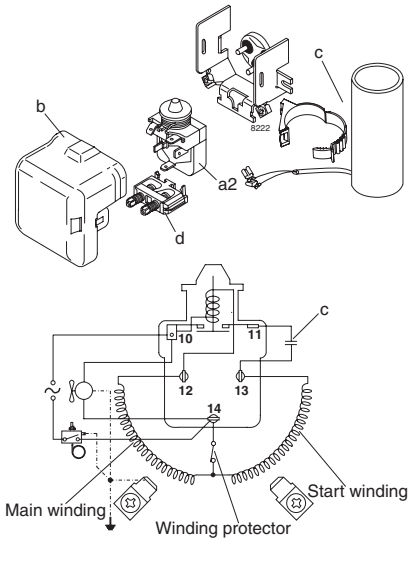
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TL-NL-FR

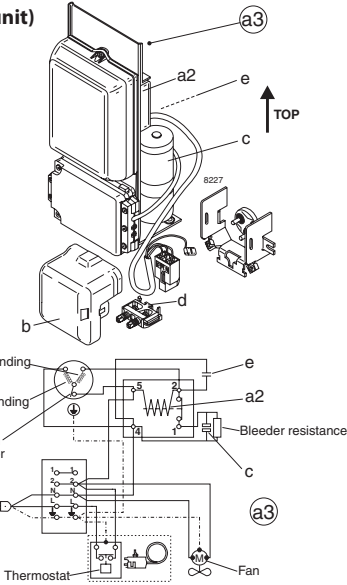


SC

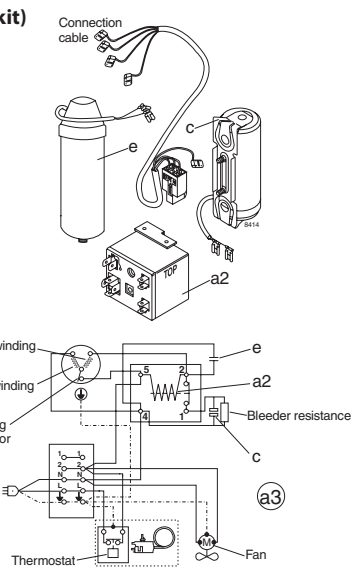


HST - CSR

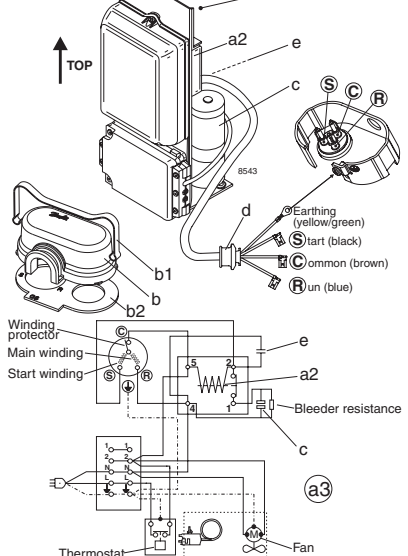
SC (unit)



SC (kit)



GS



Starting devices & Motor Types

LST
Low Starting Torque
HST
High Starting Torque
RSIR
Resistant Start Induction Run
CSIR
Capacitor Start Induction Run
CSR
Capacitor Start Run

Legend

a1: PTC starting device
a2: Starting relay
a3: Starting device
b: Cover
b1: Clamp
b2: Gasket
c: Starting capacitor
d: Cord relief
e: Run capacitor
g: Protection screen for PTC

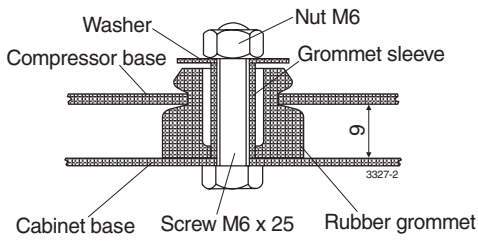
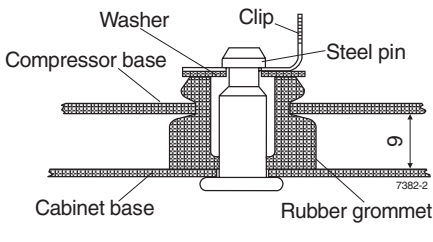
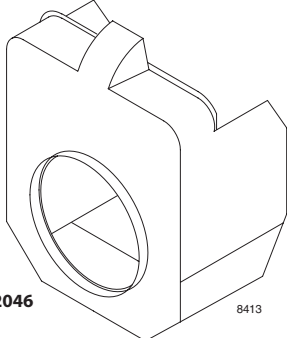
Starting device LST and HST

LST is used with capillary tube control and pressure equalizing. (Pressure equalizing may exceed 10 minutes). The PTC starting device requires 5 minutes cooling before each start.

HST consisting of relay and starting capacitor, is used for expansion valve control or for capillary tube control without pressure equalizing.

Beverage Coolers

R134a • R404A/R507 • R290 • 220-240 V • 50/60 Hz • MBP

Mounting accessories	Humidity protection cover for SC types
 Washer Compressor base Nut M6 Grommet sleeve Cabinet base Screw M6 x 25 Rubber grommet 3327-2 Bolt joint for one compressor: 118-1917 in quantities: 118-1918	 Washer Compressor base Clip Steel pin Cabinet base Rubber grommet 7382-2 Snap-on in quantities: 118-1919
	 118U2046 8413

Model designation					
Compressor design	Optimization level	Compressor size	Application range	Start characteristics	Generation
PL	Blank Standard energy level E Energy-optimized (optimized motor)	Nominal displacement in cm ³ Exception: For PL compressors the capacity at rating point is stated.	CN R290 LBP	Blank => universal (principal rule) X = HST characteristics (expansion valve) K = LST characteristics (expansion valve)	Blank => first generation .2 => second generation etc.
TL			DL R404A/R507 HBP		
NL			F R134a LBP/(MBP)		
FR			G R134a LBP/MBP/HBP		
SC			GH R134a Heat pumps		
GS			MF R134a MBP		
			ML R404A/R507 MBP		
Examples					
TL		5	CN	K	
NL	E	10	MF		
FR		8.5	G		
SC		15	ML	X	.2

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