WITH MORE THAN 60 YEARS OF EXPERIENCE IN COMPRESSOR TECHNOLOGY AND HIGHLY COMMITTED EMPLOYEES, OUR FOCUS IS TO DEVELOP AND APPLY THE ADVANCED COMPRESSOR TECHNOLOGIES TO ACHIEVE STANDARD SETTING PERFORMANCE FOR LEADING PRODUCTS AND BUSINESSES AROUND THE WORLD.

60 YEARS 1956-2016

SECOP

HERMETIC COMPRESSORS FOR AC VOLTAGE






R600a • 220-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T_c=54.4°C, T_{liq}=32.2°C, T_{suc}=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Voltage and frequencies (* dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
			-35	-15	-5	0	10	15	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	[cm³]		
PLE35K	101H0360	MBP		63	106	133			38	0.91	90	1.60			2.50	198-254 V, 50 Hz	S
TLES4KK.3	102H4438	LBP	23	92					57	1.18					4.01	198-254 V, 50 Hz	S
TLES4.8KK.3	102H4538	LBP	34	115					74	1.30					4.78	198-254 V, 50 Hz	S
TLES5.7KK.3	102H4638	LBP	45	139					91	1.32					5.70	198-254 V, 50 Hz	S
TLES6.5KK.3	102H4738	LBP	55	163					108	1.31					6.49	198-254 V, 50 Hz	S
TLES7.5KK.3	102H4838	LBP	64	189					126	1.32					7.48	198-254 V, 50 Hz	S
TLES8.7KK.3	102H4938	LBP	75	222					147	1.33					8.67	198-254 V, 50 Hz	S
TLES10KK.3	102H4038	LBP	89	250					168	1.26					10.13	198-254 V, 50 Hz	S
TLES4KTK	102H4436	LBP	22	91	151	189			55	1.10	127	1.87			3.86	187-254 V, 50 Hz	S
TLES5KTK	102H4536	LBP	34	121	194	240			77	1.22	165	1.83			5.08	187-254 V, 50 Hz	S
TLES6KTK	102H4636	LBP	38	136					89	1.23					5.70	187-254 V, 50 Hz	S
TLES7KTK	102H4736	LBP	49	158					103	1.23					6.49	187-254 V, 50 Hz	S
TLES8KTK	102H4836	LBP	59	182					119	1.22					7.76	187-254 V, 50 Hz	S
TLES8.7KTK.3	102H4834	LBP	71	218					143	1.27					8.67	187-254 V, 50 Hz	S
TLES10KTK.3	102H4050	LBP	89	250					168	1.36					10.13	187-254 V, 50 Hz	S
TLX4KK.3	102H4447	LBP	25	92					60	1.49					4.01	198-254 V, 50 Hz	S
TLX5.7KK.3	102H4647	LBP	46	140					94	1.65					5.70	198-254 V, 50 Hz	S
TLX6.5KK.3	102H4747	LBP	57	163					111	1.66					6.49	198-254 V, 50 Hz	S
TLX7.5KK.3	102H4847	LBP	67	192					130	1.69					7.48	198-254 V, 50 Hz	S
TLX8.7KK.3	102H4947	LBP	79	224					153	1.68					8.67	198-254 V, 50 Hz	S
TLY4KK.3	102H4442	LBP	23	91					57	1.30					4.01	198-254 V, 50 Hz	S
TLY4.8KK.3	102H4542	LBP	34	115					74	1.37					4.78	198-254 V, 50 Hz	S
TLY5.7KK.3	102H4642	LBP	45	139					91	1.37					5.70	198-254 V, 50 Hz	S
TLY6.5KK.3	102H4742	LBP	56	165					110	1.47					6.49	198-254 V, 50 Hz	S
TLY7.5KK.3	102H4842	LBP	64	189					126	1.41					7.48	198-254 V, 50 Hz	S
TLY8.7KK.3	102H4942	LBP	79	222					149	1.49					8.67	198-254 V, 50 Hz	S
TLY10KK.3	102H4042	LBP	90	254					170	1.55					10.13	198-254 V, 50 Hz	S
NLE10KK.4	105H6867	LBP	90	252					170	1.51					10.09	198-254 V, 50 Hz	S
NLE11KK.4	105H6952	LBP	100	284					191	1.52					11.15	198-254 V, 50 Hz	S
NLE13KK.4	105H6959	LBP	121	334					226	1.51					13.25	198-254 V, 50 Hz	S
NLE15KK.4	105H6968	LBP	134	375					253	1.54					14.65	198-254 V, 50 Hz	S
NLE15KTK	105H6946	LBP	114	341					226	1.28					14.65	187-254 V, 50 Hz	S
NLE11KTK.2	105H6173	LBP	103	296					199	1.51					11.15	187-254 V, 50 Hz	S
NLE13KTK.2	105H6929	LBP	117	338					227	1.52					13.25	187-254 V, 50 Hz	S
NLE15KTK.2	105H6966	LBP	129	384					254	1.52					14.65	187-254 V, 50 Hz	S
NLE15MKK	105H6533	MBP		376	586	719			249	1.49	500	2.05	868	2.58	14.65	198-254 V, 50 Hz	S
NLX10KK.1	105H6104	LBP	82	262					172	1.75					10.09	198-254 V, 50 Hz	S
NLX13KK.1	105H6304	LBP	111	337					224	1.75					13.25	198-254 V, 50 Hz	S
NLX15KK.1	105H6502	LBP	121	377					248	1.72					14.65	198-254 V, 50 Hz	S
NLX8.0KK.2	105H6010	LBP	64	204					133	1.88					8.05	198-254 V, 50 Hz	S
NLX8.8KK.2	105H6011	LBP	76	228					151	1.90					8.76	198-254 V, 50 Hz	S
NLX10KK.2	105H6101	LBP	91	265					178	1.89					10.09	198-254 V, 50 Hz	S
NLX11KK.2	105H6970	LBP	104	293					198	1.88					11.15	198-254 V, 50 Hz	S
NLX13KK.2	105H6300	LBP	115	332					223	1.87					13.25	198-254 V, 50 Hz	S
NLX15KK.2	105H6977	LBP	135	377					255	1.88					14.65	198-254 V, 50 Hz	S
NLX10KK.3	105H6106	LBP	88	263					175	1.88					10.09	198-254 V, 50 Hz	S
NLX11KK.3	105H6184	LBP	97	289					195	1.86					11.15	198-254 V, 50 Hz	S
NLX13KK.3	105H6306	LBP	113	345					225	1.85					13.25	198-254 V, 50 Hz	S
NLX15KK.3	105H6506	LBP	132	389					254	1.85					14.65	198-254 V, 50 Hz	S
NLU8.0KK.1	105H6008	LBP		193					127	1.94					8.05	198-254 V, 50 Hz	S
NLU8.8KK.1	105H6009	LBP	71	219					145	1.97					8.76	198-254 V, 50 Hz	S
NLU10KK.1	105H6131	LBP	87	267					176	1.98					10.09	198-254 V, 50 Hz	S
NLU11KK.1	105H6132	LBP	99	301					200	1.98					11.15	198-254 V, 50 Hz	S
NLU13KK.1	105H6372	LBP	114	348					230	1.98					13.25	198-254 V, 50 Hz	S
NLU15KK.1	105H6553	LBP	129	391					259	1.97					14.65	198-254 V, 50 Hz	S
NLU11KTK.1	105H6133	LBP	102	309					205	1.85					11.15	187-254 V, 50 Hz	S
NLU13KTK.1	105H6381	LBP	116	348					231	1.87					13.25	187-254 V, 50 Hz	S
NLU15KTK.1	105H6554	LBP	130	392					260	1.85					14.65	187-254 V, 50 Hz	S

Dimensions						Electrical equipment											
						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSR) * alt. cable lengths avail.			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	• optional • compulsory *		Starting relay	Starting capacitor	Starting device *	Cord relief	Cover
		Suction	Process	Dis-charge		Spades		Spades		Spades	Spades		Spades		Spades		
A	B	C	D	E		6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm		
137	135	6.2	6.2	5.0	X			103N0016	103N0021		117-7117 *	117-7119 *				103N1010	103N0491
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7131	117-7132				103N1010	103N2010
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018									103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0	X			103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
173	169	6.2	6.2	5.0	X			103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
173	169	6.2	6.2	5.0	X			103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
173	169	6.2	6.2	5.0	X			103N0016	103N0021	103N0050	117-7131 *	117-7132 *				103N1010	103N2010
173	169	6.2	6.2	5.0	X			103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
163	159	6.2	6.2	5.0	X	103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
173	169	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
190	183	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
190	183	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
190	183	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
197	190	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
197	190	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021		117-7117	117-7119				103N1010	103N2010
203	197	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
203	197	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021	103N0050	117-7117	117-7119				103N1010	103N2010
203	197	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021		117-7117	117-7119				103N1010	103N2010
203	197	6.2	6.2	5.0		103N0011	103N0018	103N0016	103N0021		117-7117	117-7119				103N1010	103N2010
203	197	6.2	6.2	5.0				103N0016	103N0021	103N0050	117-7131 *	117-7132 *				103N1010	103N2010
203	197	6.2	6.2	5.0				103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
203	197	6.2	6.2	5.0				103N0016	103N0021	103N0050		117-7136 *				103N1010	103N2010
203	197	6.2	6.2	5.0				103N0016	103N0021	103N0050		117-7132 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X			103N0016	103N0021	103N0050		117-7136 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X			103N0016	103N0021	103N0050		117-7136 *				103N1010	103N2010
203	197	6.2	6.2	5.0				103N0016	103N0021	103N0050		117-7136 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X			103N0016	103N0021	103N0050		117-7132 *				103N1010	103N2010
203	197	8.2	6.2	6.2	X			103N0016	103N0021	103N0050	117-7117 *	117-7119 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X				103N0021	103N0050		117-7140 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X				103N0021	103N0050		117-7119 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0050		117-7119 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0050		117-7140 *				103N1010	103N2010
203	197	6.2	6.2	5.0	X				103N0021	103N0055		117-7139 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7139 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7139 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7139 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7132 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7132 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7132 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7129 *				103N1010	103N2010
203	197	6.2	6.2	5.0					103N0021	103N0055		117-7119 *				103N1010	103N2010

R600a • 220-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T_c=54.4°C, T_{liq}=32.2°C, T_{suc}=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Voltage and frequencies (* dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]		
DLE5.7KK	102H4696	LBP	51	152	227				101	1.59	196	2.09			5.70	198-254 V, 50 Hz	S
DLE7.5KK	102H4890	LBP	65	186					128	1.59					7.48	198-254 V, 50 Hz	S
DLE8.7KK	102H4950	LBP	77	219					148	1.56					8.67	198-254 V, 50 Hz	S
DLE9.4KK	102H4952	LBP	87	238					163	1.55					9.38	198-254 V, 50 Hz	S
DLE10KK	102H4082	LBP	95	264					182	1.56					10.14	198-254 V, 50 Hz	S
DLY7.5KK	102H4891	LBP	67	190					128	1.78					7.48	198-254 V, 50 Hz	S
DLY8.7KK	102H4951	LBP	81	223					152	1.75					8.67	198-254 V, 50 Hz	S
DLY9.4KK	102H4953	LBP	89	245					167	1.73					9.38	198-254 V, 50 Hz	S
DLY10KK	102H4083	LBP	91	265					177	1.67					10.14	198-254 V, 50 Hz	S
DLX4KK.1	102H3459	LBP	28	97					62	1.86					4.01	198-254 V, 50 Hz	S
DLX4.8KK.1	102H3559	LBP	36	127					81	1.90					4.78	198-254 V, 50 Hz	S
DLX5.7KK.1	102H3659	LBP	51	151					100	1.89					5.70	198-254 V, 50 Hz	S
DLX6.5KK.1	102H3759	LBP	54	161					107	1.91					6.49	198-254 V, 50 Hz	S
DLX7.5KK.1	102H4859	LBP	64	191					127	1.91					7.48	198-254 V, 50 Hz	S
DLX8.7KK.1	102H4959	LBP	76	227					151	1.91					8.67	198-254 V, 50 Hz	S
DLX9.4KK.1	102H4159	LBP	85	253					168	1.89					9.38	198-254 V, 50 Hz	S
DLX10KK.1	102H4059	LBP	93	277					185	1.89					10.14	198-254 V, 50 Hz	S

Electrical equipment

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSR) * alt. cable lengths avail.			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	• optional • compulsory *		Starting relay	Starting capacitor	Starting device *	Cord relief	Cover
		Suction	Process	Dis-charge		Spades		Spades		Spades	Spades		Spades		Spades		
A	B	C	D	E		6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm		
175	169	6.2	4.5	5.0	X			103N0016	103N0021	103N0050		117-7119				103N1010	103N0491
175	169	6.2	4.5	5.0	X			103N0016	103N0021	103N0050		117-7119				103N1010	103N0491
175	169	6.2	4.5	5.0				103N0016	103N0021	103N0050		117-7119				103N1010	103N0491
175	169	6.2	4.5	5.0	X			103N0016	103N0021	103N0050		117-7119				103N1010	103N0491
175	169	6.2	6.0	5.0				103N0016	103N0021	103N0050		117-7119				103N1010	103N0491
175	169	6.2	4.5	5.0				103N0016	103N0021	103N0050		117-7119 *				103N1010	103N0491
175	169	6.2	4.5	5.0				103N0016	103N0021	103N0050		117-7119 *				103N1010	103N0491
175	169	6.2	4.5	5.0				103N0016	103N0021	103N0050		117-7119 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0050		117-7119 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7136 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7136 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7136 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7136 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7139 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7139 *				103N1010	103N0491
175	169	6.2	6.0	5.0				103N0016	103N0021	103N0055		117-7140 *				103N1010	103N0491
175	169	6.2	6.0	5.0	X			103N0016	103N0021	103N0055		117-7132 *				103N1010	103N0491

KAPPA • R600a • 220-240 V • 50 Hz | KAPPA-AT • R600a • 200-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Voltage and frequencies (* dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]		
HMK80AA	CDO00029	LBP	67	206					136	1.50					8.10	187-264 V, 50 Hz	S
HMK95AA	CDO00031	LBP	81	252					167	1.53					9.60	187-264 V, 50 Hz	S
HMK12AA	CDO00033	LBP	99	291					198	1.53					11.20	187-264 V, 50 Hz	S
HTK55AA	CDO00034	LBP	39	146					93	1.61					5.60	187-264 V, 50 Hz	S
HTK70AA	CDO00035	LBP	54	182					118	1.66					6.64	187-264 V, 50 Hz	S
HTK80AA	CDO00036	LBP	67	207					136	1.66					8.10	187-264 V, 50 Hz	S
HTK95AA	CDO00037	LBP	86	252					167	1.70					9.60	187-264 V, 50 Hz	S
HTK12AA	CDO00038	LBP	100	291					198	1.70					11.20	187-264 V, 50 Hz	S
HKK55AA	CDO00039	LBP	39	146					93	1.71					5.60	187-264 V, 50 Hz	S
HKK70AA	CDO00040	LBP	54	181					117	1.74					6.64	187-264 V, 50 Hz	S
HKK80AA	CDO00041	LBP	67	207					136	1.77					8.10	187-264 V, 50 Hz	S
HKK95AA	CDO00042	LBP	84	252					168	1.80					9.60	187-264 V, 50 Hz	S
HKK12AA	CDO00043	LBP	100	291					198	1.80					11.20	187-264 V, 50 Hz	S
HXK55AA	CDO00045	LBP	44	149					97	1.83					5.60	187-264 V, 50 Hz	S
HXK70AA	CDO00110	LBP	57	181					118	1.86					6.64	187-264 V, 50 Hz	S
HXK80AA	CDO00096	LBP	71	210					140	1.90					8.10	187-264 V, 50 Hz	S
HXK87AA	CDO00103	LBP	79	230					154	1.90					8.80	187-264 V, 50 Hz	S
HXK95AA	CDO00085	LBP	89	255					171	1.91					9.60	187-264 V, 50 Hz	S
HXK12AA	CDO00095	LBP	101	293					200	1.90					11.10	187-264 V, 50 Hz	S
HZK80AA	CDO00094	LBP	71	210					140	1.97					8.10	187-264 V, 50 Hz	S
HZK95AA	CDO00078	LBP	85	254					171	1.99					9.60	187-264 V, 50 Hz	S
HZK12AA	CDO00077	LBP	102	293					200	1.98					11.10	187-264 V, 50 Hz	S
HXK70AT	CDO00124	LBP	53	178					119	1.72					6.64	170-264 V, 50 Hz	S
HXK80AT	CDO00122	LBP	70	208					140	1.75					8.10	170-264 V, 50 Hz	S
HXK95AT	CDO00123	LBP	85	254					174	1.75					9.60	170-264 V, 50 Hz	S
HXK12AT	CDO00121	LBP	103	295					199	1.79					11.10	170-264 V, 50 Hz	S

DELTA • R600a • 220-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=45°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Voltage and frequencies (* dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -23.3°C / 45°C		MBP rating point -6.7°C / 45°C		HBP rating point 7.2°C / 45°C				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]		
HTD30AA	CDO00052	LBP	20	83	127				53	1.84					3.00	187-264 V, 50 Hz	S
HTD35AA	CDO00053	LBP	28	97	149				63	1.86					3.50	187-264 V, 50 Hz	S
HTD40AA	CDO00054	LBP	36	114	174				75	1.90					4.00	187-264 V, 50 Hz	S
HTD45AA	CDO00055	LBP	39	136	201				90	1.89					4.80	187-264 V, 50 Hz	S
HTD55AA	CDO00056	LBP	56	161	240				109	1.92					5.50	187-264 V, 50 Hz	S
HTD60AA	CDO00073	LBP	66	182	278				122	1.91					6.20	187-264 V, 50 Hz	S
HTD30AG	CDO00118	LBP	21	79	124				50	1.71					3.00	198-253 V, 50 Hz *	S
HXD30AA	CDO00097	LBP	22	80	128				51	1.90					3.00	187-264 V, 50 Hz	S
HXD35AA	CDO00098	LBP	27	94	148				61	1.97					3.50	187-264 V, 50 Hz	S
HXD40AA	CDO00099	LBP	34	112	175				73	1.92					4.00	187-264 V, 50 Hz	S
HXD45AA	CDO00100	LBP	42	131	203				86	1.92					4.80	187-264 V, 50 Hz	S
HXD55AA	CDO00101	LBP	52	153	229				101	1.96					5.50	187-264 V, 50 Hz	S
HXD60AA	CDO00102	LBP	59	171	261				115	1.90					6.20	187-264 V, 50 Hz	S
HZD30AA	CDO00088	LBP	21	79	125				49	1.98					3.00	187-264 V, 50 Hz	S
HZD35AA	CDO00089	LBP	27	95	149				61	2.03					3.50	187-264 V, 50 Hz	S
HZD40AA	CDO00090	LBP	33	110	172				72	2.02					4.00	187-264 V, 50 Hz	S
HZD45AA	CDO00091	LBP	43	132	204				87	2.04					4.80	187-264 V, 50 Hz	S
HZD55AA	CDO00092	LBP	52	154	234				103	2.05					5.50	187-264 V, 50 Hz	S
HZD60AA	CDO00093	LBP	58	174	270				115	1.95					6.20	187-264 V. 50 Hz	S

DELTA-MA • R600a • 220-240 V • 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Voltage and frequencies (* dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]		
HXD30MA	CDO00081	L/MBP	14	75	119	147			47	1.52	99	2.32			3.00	187-254 V, 50 Hz	S
HXD35MA	CDO00082	L/MBP	24	88	141	174			55	1.56	118	2.37			3.50	187-254 V, 50 Hz	S
HXD40MA	CDO00083	L/MBP	33	106	165	202			70	1.64	138	2.33			4.00	187-254 V, 50 Hz	S
HXD45MA	CDO00084	L/MBP	37	126	196	239			82	1.62	164	2.30			4.80	187-254 V, 50 Hz	S
HXD55MA	CDO00080	L/MBP	51	147	229	280			97	1.55	192	2.20			5.50	187-254 V, 50 Hz	S

Dimensions						Run capacitor	Terminal board		Terminal board	Cable clamp	Cover	Evaporation tray	All-in-one equipments
Height [mm]		Connectors location [mm]			alt. connectors available	• optional • compulsory *	• PTC • external protector		• ePTC • external protector	screws not included	V0 material optional	plastic	• cover • cable clamp + screws • earthing screw
		Suction	Process	Dis-charge		Spades	Spades		Spades				
A	B	C (I.D.)	D (O.D.)	E (I.D.)		4.8 | 6.3 mm	4.8 mm	6.3 mm	4.8 mm				
159	165.5	6.15	6.00	5.15	X		ZAF5	DAF5		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X		ZAF5	DAF5		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X		ZAFP	DAFP		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	2	ZHF0	DHF0		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	3	ZAF7	DAF7		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	3	ZAFC	DAFC		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAFC	DAFC		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAF9	DAF9		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	2.5 *	ZHFF	DHFF		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	3 *	ZHF6	DHF6		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	3 *	ZHF4	DHF4		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *	ZAFC	DAFC		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *	ZAFP	DAFP		113410_	157595_	113188_	16168000
159	165.5	6.15	6.00	5.15	X	3 *			ZXF6	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	3 *			ZXF6	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	3 *			ZXF4	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *			ZXF5	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *			ZXF5	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *			ZXFP	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4 *			ZXF4	113410_	157595_	113188_	16168000
170	176.5	6.15	6.00	5.15	X	4 *			ZXF5	113410_	157595_	113188_	16168000
170	176.5	6.15	6.00	5.15	X	4 *			ZXFP	113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAF5	DAF5		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAF5	DAF5		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAFP	DAFP		113410_	157595_	113188_	16168000
167	173.5	6.15	6.00	5.15	X	4	ZAFP	DAFP		113410_	157595_	113188_	16168000

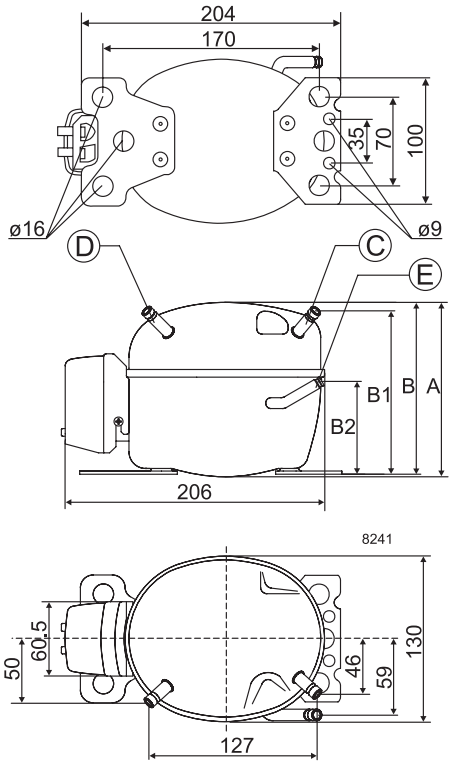
Electrical equipment • Spare parts • Accessories

Dimensions						Run capacitor	Terminal board		Small cover	Adapter plate	Evaporation tray
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	• optional • compulsory *	• PTC • external protector	• ePTC • external protector	• compulsory • delivered separately	• innovative fixation system • faster and easier assembly	plastic
		Suction	Process	Dis-charge		Spades	Spades	Spades			
A	B	C (I.D.)	D (O.D.)	E (I.D.)		4.8 mm	4.8 mm	4.8 mm			
133		6.20	6.00	5.00		1	BN E7		160943_	157008_	162531_
133		6.20	6.00	5.00		1,5	BN E7		160943_	157008_	162531_
133		6.20	6.00	5.00		2	BN E6		160943_	157008_	162531_
133		6.20	6.00	5.00		2	BN E4		160943_	157008_	162531_
133		6.20	6.00	5.00		2	BN E4		160943_	157008_	162531_
133		6.20	6.00	5.00		2	BN E4		160943_	157008_	162531_
133		6.20	6.00	5.00		2	BN E6		160943_	157008_	162531_
133		6.20	6.00	5.00		1 *	BN E7		160943_	157008_	162531_
133		6.20	6.00	5.00		1.5 *	BN E7		160943_	157008_	162531_
133		6.20	6.00	5.00		2 *	BN E6		160943_	157008_	162531_
133		6.20	6.00	5.00		2 *	BN E6		160943_	157008_	162531_
133		6.20	6.00	5.00		2 *	BN E6		160943_	157008_	162531_
133		6.20	6.00	5.00		2 *	BN E4		160943_	157008_	162531_
133		6.20	6.00	5.00		1 *		BX E7	160943_	157008_	162531_
133		6.20	6.00	5.00		1.5 *		BX E7	160943_	157008_	162531_
133		6.20	6.00	5.00		2 *		BX E6	160943_	157008_	162531_
133		6.20	6.00	5.00		2 *		BX E6	160943_	157008_	162531_
133		6.20	6.00	5.00		2 *		BX E6	160943_	157008_	162531_
133		6.20	6.00	5.00		2 *		BX E4	160943_	157008_	162531_

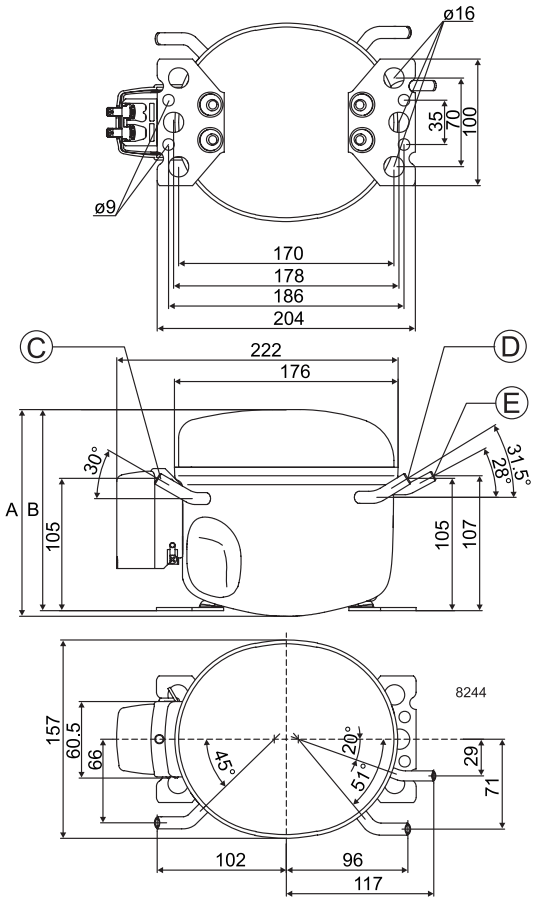
Electrical equipment • Spare parts • Accessories

Dimensions						Run capacitor	Terminal board		Small cover	Adapter plate	Evaporation tray
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	• optional • compulsory *	• PTC • external protector	• ePTC • external protector	• compulsory • delivered separately	• innovative fixation system • faster and easier assembly	plastic
		Suction	Process	Dis-charge		Spades	Spades	Spades			
A	B	C (I.D.)	D (O.D.)	E (I.D.)		4.8 mm	4.8 mm	4.8 mm			
133		6.20	6.00	5.00		2		BX E6	160943_	157008_	162531_
133		6.20	6.00	5.00		2		BX E6	160943_	157008_	162531_
133		6.20	6.00	5.00		2		BX E4	160943_	157008_	162531_
133		6.20	6.00	5.00		2		BX E4	160943_	157008_	162531_
133		6.20	6.00	5.00		2		BX E4	160943_	157008_	162531_

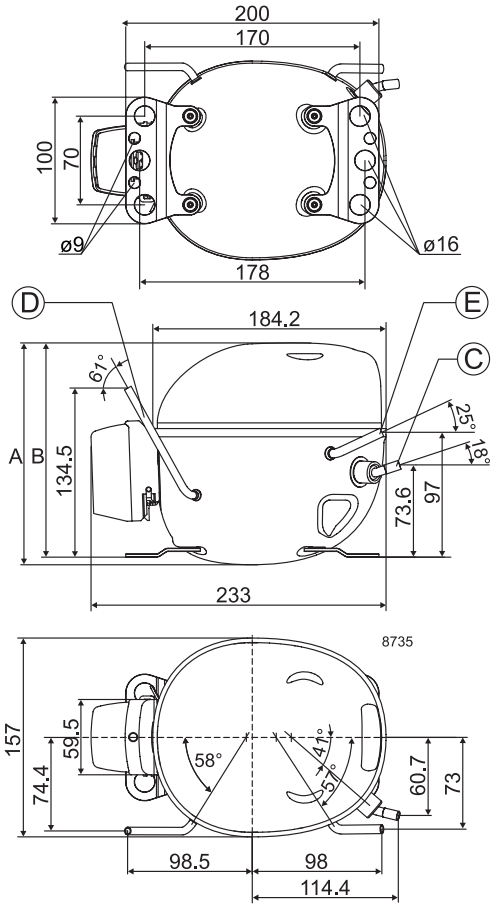
PL



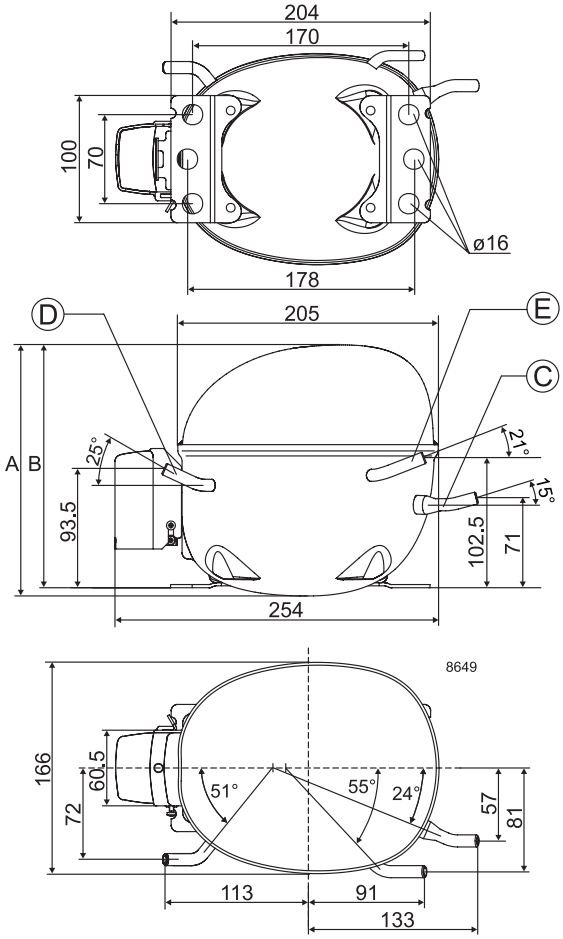
TLES / TLX / TLY



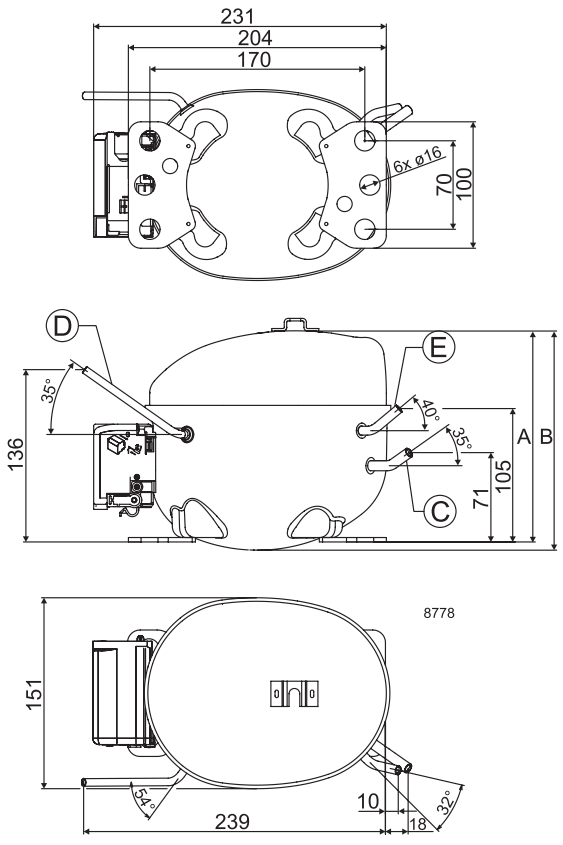
DLE / DLY / DLX



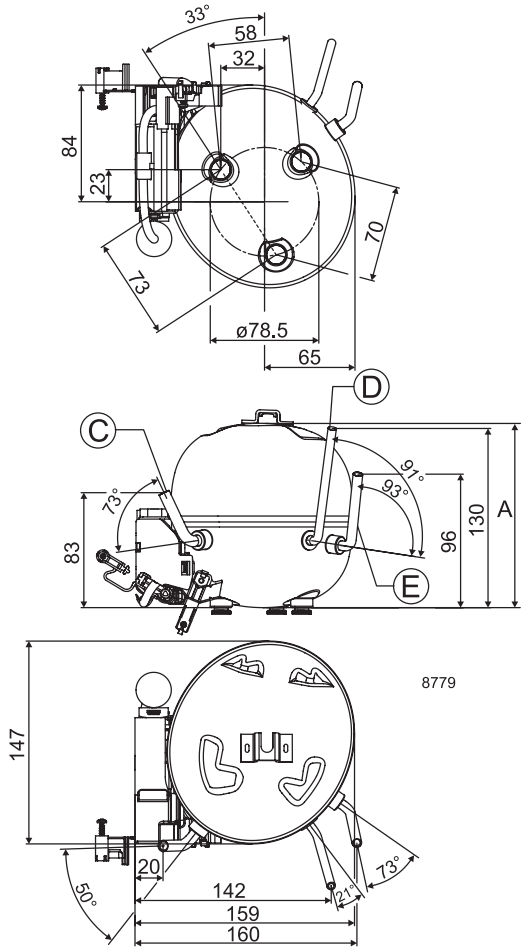
NLX / NLU (NLE similar)



KAPPA

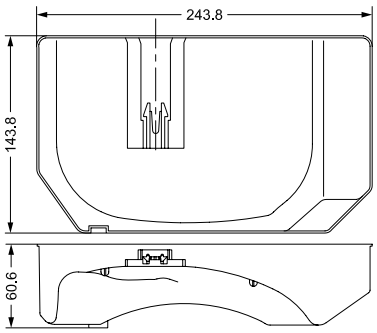


DELTA

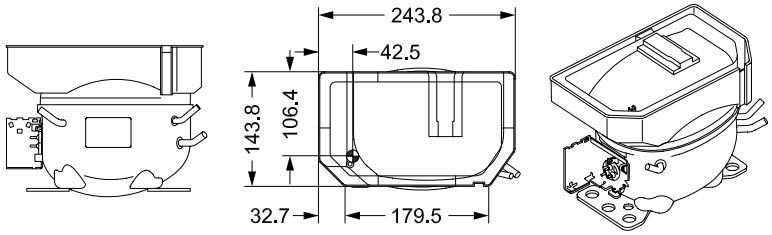


KAPPA • Evaporation tray

Dimension of evaporation tray

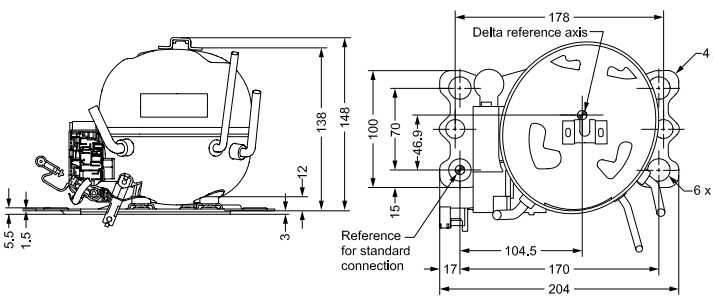


Outline dimensions with plastic evaporation tray

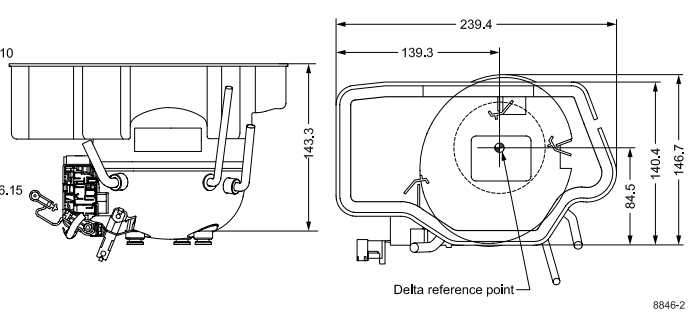


DELTA • Evaporation tray • Adapter plate

Outline dimensions with adapter plate

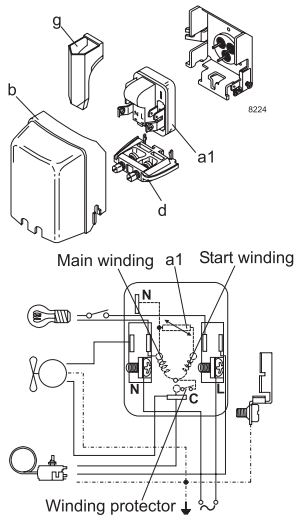


Outline dimensions with plastic evaporation tray

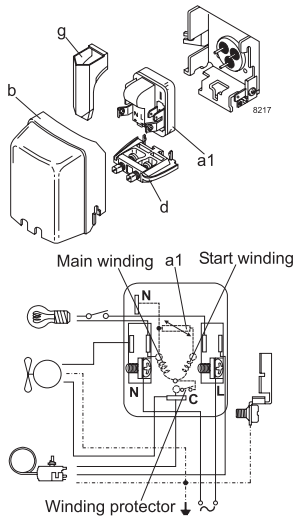


LST - RSIR

PL-DLE

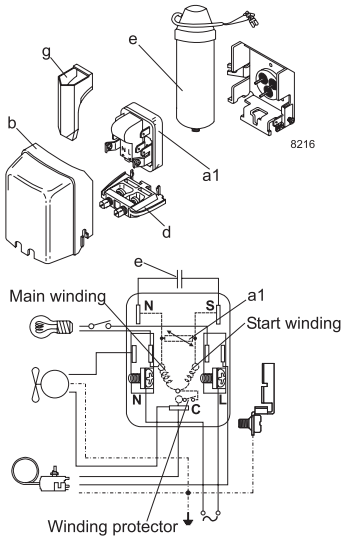


TL/TLES/TLS/TLY - NL/NLE - FR



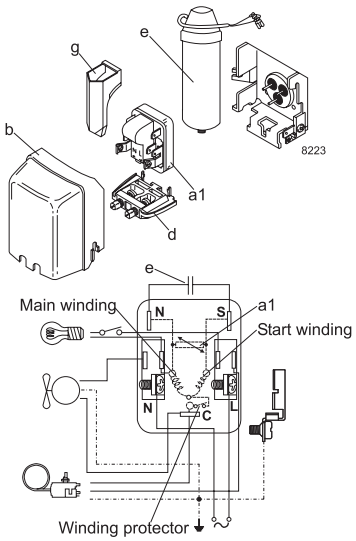
LST - RSCR

PLE - DLE/DLX/DLY



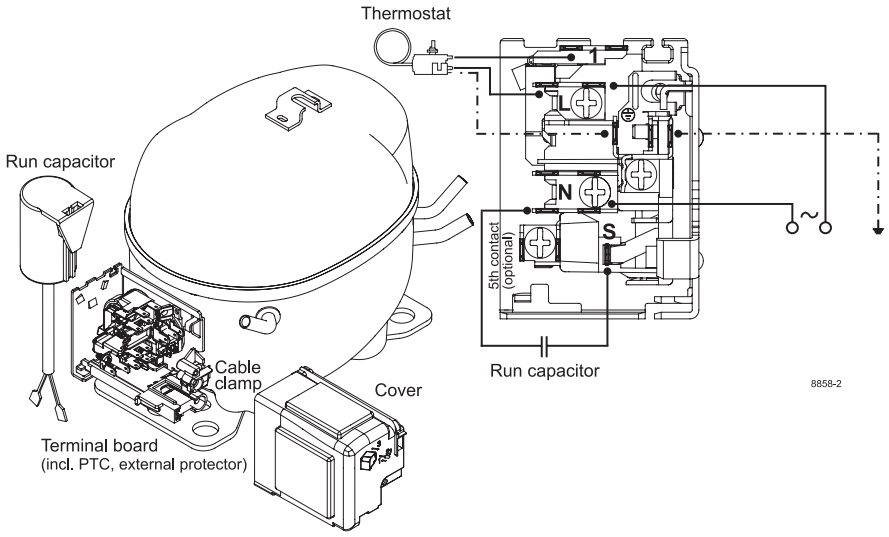
LST - RSCR

TLES/TLS/TLX/TLY - NLE/NLU/NLX/NLY



LST - RSCR

KAPPA

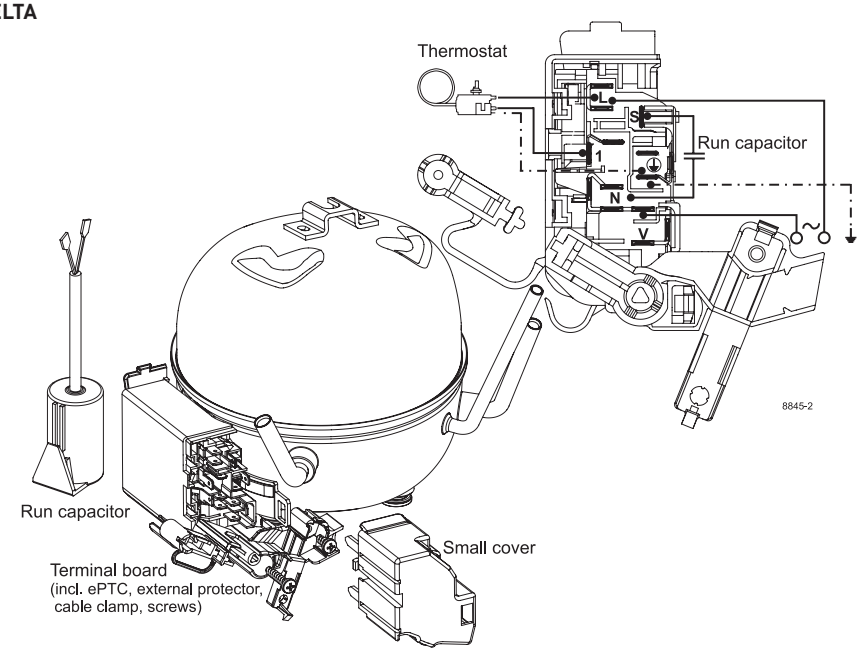


Legend

- **a1:** PTC starting device
- **a2:** Starting relay
- **a3:** Starting device
- **b:** Cover
- **b1:** Clamp (part of compressor)
- **b2:** Gasket (part of compressor)
- **c:** Starting capacitor
- **d:** Cord relief
- **e:** Run capacitor
- **f:** Protector
- **g:** Protection screen for PTC
- **h:** Holder

LST - RSCR

DELTA

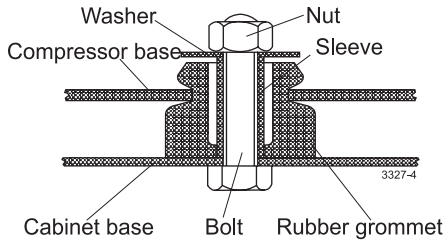


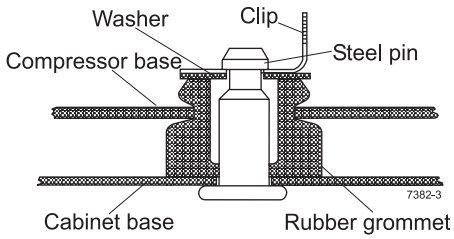
Mounting accessories

Mounting	Code number	Bolt / pin dimension	Comp. base hole	Type of packaging	Compressor series	Parts list
Bolt joint	118-1917	M6 metric	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	BD- / P- / T- / X- / D- / N- / F- / S-Series	I
Bolt joint	107B9150	M8 metric	19 mm	Single pack for one compressor	G-Series	II
Bolt joint	118-1946	1/4 inch	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series	III
Bolt joint	118-1949	1/4 inch	19 mm	Single pack for one compressor	all with 19 mm base holes (except G-Series)	IV
Snap-on	118-1947	Ø 7.3 mm	16 mm	Single pack for one compressor	BD- / P- / T- / X- / D- / N- / F- / S-Series	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	BD- / P- / T- / X- / D- / N- / F- / S-Series	V

Parts list (4 pcs. per compressor needed)		
I	Sleeve Ø 8 mm x 6.4 mm x 0.8 mm	112-2052
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053
	Bolt M6 x 25 mm	681X1130
	Nut M6	118-3659
	Rubber grommet 16 mm	118-3661
II	Sleeve Ø 11 mm x 8.6 mm x 1.2 mm	107B9152
	Washer Ø 20 mm x Ø 8.8 mm x 1.2 mm	107B9155
	Bolt M8 x 40 mm	107B9153
	Nut M8	107B9154
	Rubber grommet 19 mm	107B9151
III	Sleeve Ø 8.3 mm x 6.7 mm x 0,8 mm	112-2088
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053
	Bolt 1/4 x 1 inch, 20 UNC	119-3002
	Nut 1/4 inch, 20 UNC	119-3031
	Rubber grommet 16 mm	118-3661
IV	Sleeve Ø 9.5 mm x 7.9 mm x 0,8 mm	112-2085
	Washer Ø 20 mm x Ø 6.7 mm x 1 mm	112-2053
	Bolt 1/4 x 1 1/4 inch, 20 UNC	119-3002
	Nut 1/4 inch, 20 UNC	119-3031
	Rubber grommet 19 mm	118-3666
V	Steel pin	118-3586
	Washer Ø 21 x Ø 8.1 mm x 0.9 mm	118-3588
	Clip	118-3585
	Rubber Grommet 16 mm	118-3661

Symbol drawings





Further information

Applications
LBP: Low Back Pressure
HBP: High Back Pressure
MBP: Medium Back Pressure

Motor types
RSIR: Resistant Start Induction Run
RSCR: Resistant Start Capacitor Run
CSIR: Capacitor Start Induction Run
CSR: Capacitor Start Run

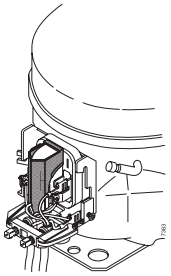
Compressor cooling
S = Static cooling normally sufficient
O = Oil cooling
F1 = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)
F2 = Fan cooling 3.0 m/s necessary

Starting devices
LST: Low Starting Torque
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: High Starting Torque
HST consisting of relay and starting capacitor is used for expansion valve control or for capillary tube control without pressure equalizing.
ePTC: Electronically controlled PTC
- Compressor restart possible after a few seconds
- Operational wattage loss reduced by 2 watt
- PTC protection screen not needed (surface temp. < 82 °C)

Flammable refrigerants R290 and R600a

R600a and R290 are hydrocarbons. These refrigerants are flammable and are only allowed for use in appliances which fulfil the requirements laid down in the latest revision of EN/IEC 60335-2-24.
Do not use open fire near the refrigerants R600a and R290. The refrigeration systems must be opened with a tube cutter.
In order to carry out service and repair on R600a and R290 systems the service personnel must be properly trained to be able to handle flammable refrigerants. This includes knowledge on tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair.
Secop compressors for the flammable refrigerants R600a and R290 are equipped with an orange warning label as shown.

PTC protection screen



Note:
To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.

OUR IDENTITY

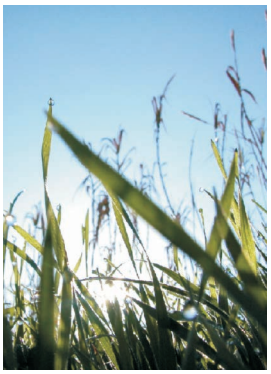
At Secop we are committed to our industry and are genuinely passionate about the difference we are able to make for our customers. We understand their business and objectives and the challenges of today's world of refrigeration and cooling systems.

We work in a straightforward way, being open, direct and honest because we want to make things clear and easy. Our people are committed to increasing value for our customers and constantly strive for better performance, knowing that our own progression and success is dependent on theirs.

A NEWCOMER WITH 60 YEARS OF EXPERIENCE

Formerly known as Danfoss Compressors, Secop is one of the founding fathers of modern compressor technology with an experience that goes back to the beginning of the 1950s.

For more than 25 years, Secop has been setting the standard in compressor technology by developing highly efficient variable speed compressors and by compressors working with hydrocarbons (R290 and R600a).



OUR JOURNEY SO FAR

1956 Production facility and headquarters in Flensburg, Germany founded.

1958 Start of production for PW compressors.

1970 Introduction of SC compressors. The birth of a standard-setting platform in the light commercial market.

1972 Introduction of FR compressors.

1977 Introduction TL and BD compressors.

1990 Introduction of NL compressors.

1992 Introduction of PL compressors.

1993 Start of production with natural refrigerant R600a (isobutane). Production facility in Crnomelj, Slovenia founded.

1999 Start of production with natural refrigerant R290 (propane).

2002 Production facility in Zlate Moravce, Slovakia founded.

2005 Introduction of GS compressors.

2008 Production facility in Wuqing, China founded.

2010 Introduction SLV-CNK.2 and SLV-CLK.2 variable speed compressors. Introduction BD1.4F Micro DC compressor. Introduction of DLX and NLU compressors.

2013 Introduction of the XV compressor - opening a new chapter in refrigeration history. Secop acquires ACC Fürstenfeld, Austria.

2015 New generation of energy-efficient propane compressors. New variable speed platforms for household and light commercial applications.

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