

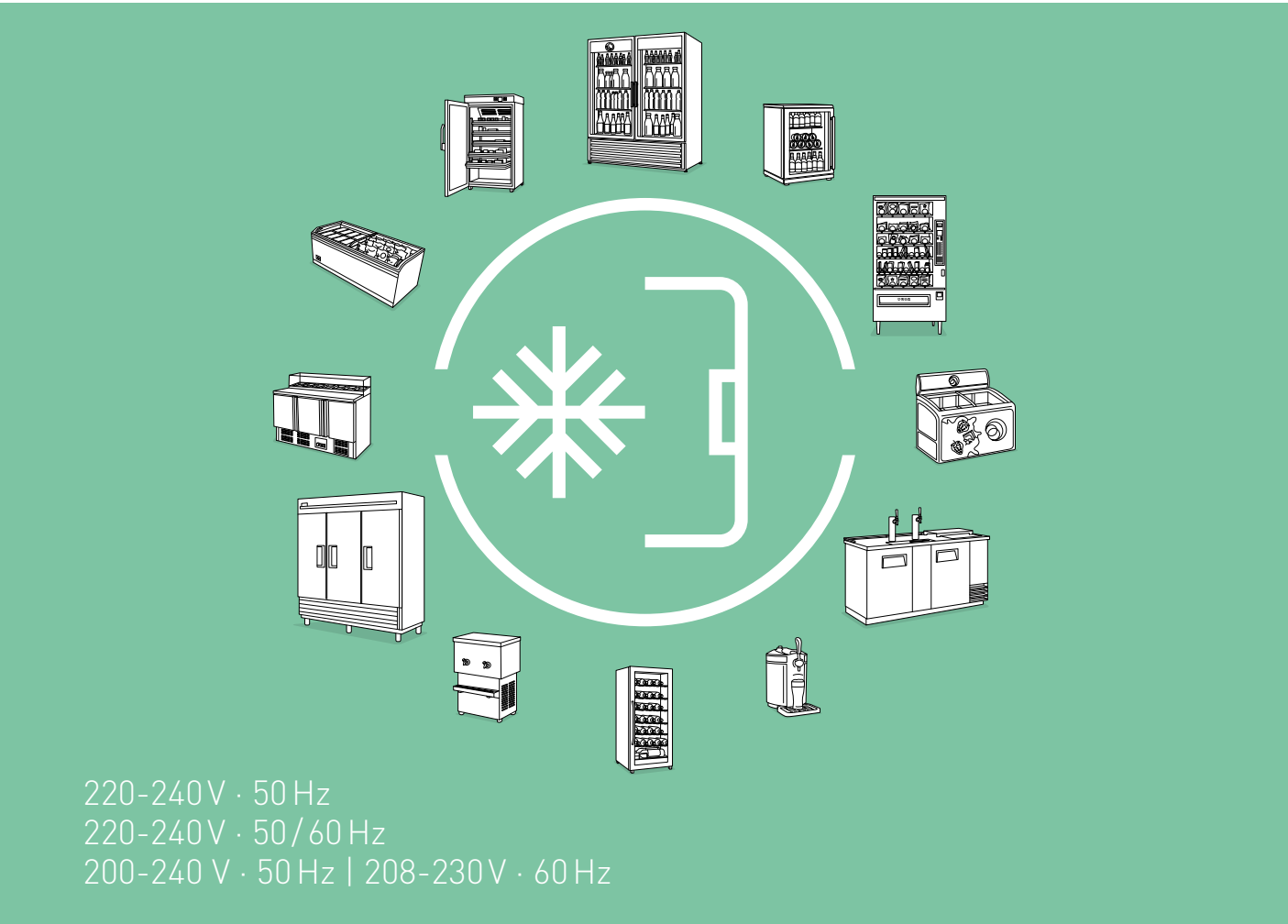
Secop is the first choice for partners looking for leading-edge refrigeration solutions and a premium customer experience.

Secop delivers advanced refrigeration compressors and controls, providing customers tailored sustainable solutions for light commercial, battery-driven, and special cooling applications.

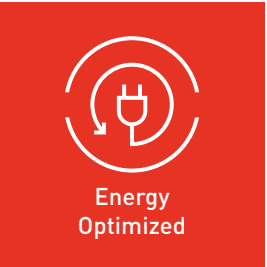
# HERMETIC COMPRESSORS HC REFRIGERANTS



R600a | R290

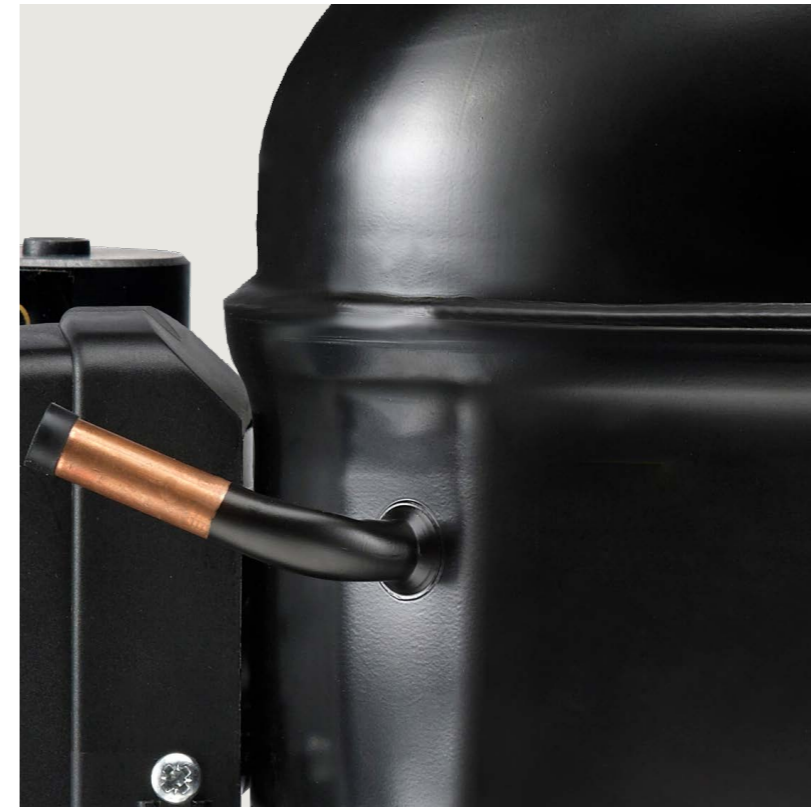


220-240V · 50 Hz  
220-240V · 50/60 Hz  
200-240V · 50 Hz | 208-230V · 60 Hz



Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm³]	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		Cooling capacity		COP		Cooling capacity					COP	
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]				[W]	[W/W]
			[W]		[W/W]		[W]		[W/W]		[W]		[W/W]					[W]	
PLE35K	101H0360	MBP	-	63	106	133	-	-	38	0.91	88	1.56	-	-	2.50	198-254 V, 50 Hz	S		
NLE15KTK.2	105H6966	LBP	129	383	-	-	-	-	254	1.52	-	-	-	-	14.65	187-254 V, 50 Hz	S		
NLX13KK.1	105H6304	LBP	111	337	-	-	-	-	223	1.75	-	-	-	-	13.25	198-254 V, 50 Hz	S		
NLX13KK.3	105H6306	LBP	113	345	-	-	-	-	225	1.85	-	-	-	-	13.25	198-254 V, 50 Hz	S		
NLX15KK.2	105H6977	LBP	135	377	-	-	-	-	255	1.87	-	-	-	-	14.65	198-254 V, 50 Hz	S		
NLX15KK.3	105H6506	LBP	132	388	-	-	-	-	254	1.85	-	-	-	-	14.65	198-254 V, 50 Hz	S		
NLU10KK.1	105H6193	LBP	86	267	-	-	-	-	176	1.98	-	-	-	-	10.09	198-254 V, 50 Hz	S		

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info			Run capacitor (RC)		HST (CSIR & CSCR) *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
A	B	Suction C (I.D.)	Process D (I.D.)	Dis-charge E (I.D.)	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	-	-	-	103N0016	103N0021	-	117-7117 *	117-7119 *	-	-	-	103N1010	103N0491
203	197	6.2	6.2	5	-	103N0011	103N0018	103N0016	103N0021	-	117-7117	117-7119	-	-	-	103N1010	103N2010
203	197	6.2	6.2	5	-	-	-	103N0016	103N0021	103N0050	117-7117 *	17-7119 *	-	-	-	103N1010	103N2010
203	197	6.2	6.2	5	-	-	-	103N0016	103N0021	103N0050	117-7117 *	117-7119 *	-	-	-	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	-	-	-	-	103N0021	103N0050	-	117-7140 *	-	-	-	103N1010	103N2010
203	197	6.2	6.2	5	X	-	-	-	103N0021	103N0055	-	117-7139 *	-	-	-	103N1010	103N2010



## K-Series AA · R600a · 220-240 V · 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T <sub>c</sub> =54.4°C, T <sub>liq</sub> =32.2°C, T <sub>suc</sub> =32.2°C Evaporating temperature [°C]							ASHRAE						Displacement [cm <sup>3</sup> ]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling 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			Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]			
			-35	-15	-5	0	10	15										
			[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]								
HKK55AA	CDO00039	LBP	39	145	224	-	-	-	93	1.71	188	2.29	-	-	5.60	187-264 V, 50 Hz	S	
HKK70AA	CDO00040	LBP	54	180	276	-	-	-	117	1.74	233	2.26	-	-	6.60	187-264 V, 50 Hz	S	
HKK80AA	CDO00041	LBP	67	207	316	-	-	-	136	1.77	266	2.29	-	-	8.10	187-264 V, 50 Hz	S	
HKK95AA	CDO00042	LBP	84	251	376	-	-	-	168	1.80	318	2.28	-	-	9.60	187-264 V, 50 Hz	S	
HKK12AA	CDO00043	LBP	100	291	428	-	-	-	199	1.80	363	2.25	-	-	11.20	187-264 V, 50 Hz	S	
HMK80AA	CDO00165	LBP	67	206	314	-	-	-	136	1.50	265	1.99	-	-	8.10	187-264 V, 50 Hz	S	
HMK95AA	CDO00164	LBP	81	252	381	-	-	-	167	1.53	322	2.01	-	-	9.60	187-264 V, 50 Hz	S	
HMK12AA	CDO00163	LBP	99	291	425	-	-	-	198	1.53	361	1.93	-	-	11.20	187-264 V, 50 Hz	S	
HTK55AA	CDO00034	LBP	39	146	225	-	-	-	93	1.55	190	2.12	-	-	5.60	187-264 V, 50 Hz	S	
HTK70AA	CDO00035	LBP	53	181	267	-	-	-	117	1.61	227	2.29	-	-	6.60	187-264 V, 50 Hz	S	
HTK80AA	CDO00036	LBP	67	207	316	-	-	-	136	1.61	266	2.19	-	-	8.10	187-264 V, 50 Hz	S	
HTK95AA	CDO00037	LBP	86	251	382	-	-	-	167	1.64	322	2.14	-	-	9.60	187-264 V, 50 Hz	S	
HTK12AA	CDO00038	LBP	99	290	426	-	-	-	198	1.64	361	2.06	-	-	11.20	187-264 V, 50 Hz	S	
HXK55AA	CDO00045	LBP	44	148	224	-	-	-	97	1.83	189	2.32	-	-	5.60	187-264 V, 50 Hz	S	
HXK70AA	CDO00110	LBP	57	181	277	-	-	-	118	1.86	233	2.35	-	-	6.64	187-264 V, 50 Hz	S	
HXK80AA	CDO00096	LBP	71	210	316	-	-	-	140	1.90	267	2.38	-	-	8.10	187-264 V, 50 Hz	S	
HXK87AA	CDO00103	LBP	79	230	349	-	-	-	154	1.90	294	2.52	-	-	8.80	187-264 V, 50 Hz	S	
HXK95AA	CDO00085	LBP	89	254	380	-	-	-	171	1.91	321	2.39	-	-	9.60	187-264 V, 50 Hz	S	
HXK12AA	CDO00095	LBP	100	295	434	-	-	-	200	1.90	368	2.37	-	-	11.10	187-264 V, 50 Hz	S	
HZK80AA	CDO00094	LBP	71	210	316	-	-	-	140	1.97	267	2.48	-	-	8.10	187-264 V, 50 Hz	S	
HZK95AA	CDO00078	LBP	85	254	376	-	-	-	171	1.99	319	2.54	-	-	9.60	187-264 V, 50 Hz	S	
HZK12AA	CDO00077	LBP	102	293	430	-	-	-	200	1.98	365	2.50	-	-	11.10	187-264 V, 50 Hz	S	
HZK13AA	16513000	LBP	116	349	-	-	-	-	236	1.87	-	-	-	-	12.50	198-254 V, 50 Hz	S	

## Electrical Equipment · Spare Parts · Accessories

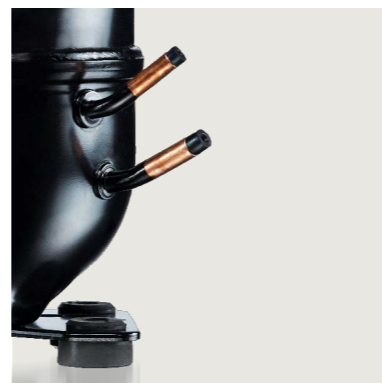
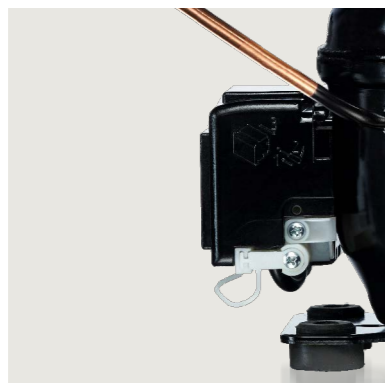
Dimensions							Run capacitor	Terminal board	Terminal board	Cable clamp	Cover	Evaporation tray	All-in-one equipment	
Height [mm]		Connectors location [mm]					alt. connectors available	→ optional → compulsory*	→ PTC → external protector	→ ePTC → external protector	screws not included	V0	plastic	→ cover → cable clamp + screws → earthing screw
A	B	Suction C (I.D.)	Process D (O.D.)	Dis-charge E (I.D.)		Spades		Spades	Spades		material optional			
							4.8   6.3 mm	4.8 mm	6.3 mm	4.8 mm				
159	-	6.15	6.00	5.15	X	2.5 µF *	ZHFF	DHFF	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	3 µF *	ZHF6	DHF6	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	3 µF *	ZHF4	DHF4	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF *	ZAF6	DAF6	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF *	ZAFP	DAFP	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	-	ZAF5	DAF5	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	-	ZAF5	DAF5	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	-	ZAFP	DAFP	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	2 µF	ZHF0	DHF0	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	3 µF	ZAF7	DAF7	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	3 µF	ZAF6	DAF6	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZAF6	DAF6	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZAF5	DAF5	-	16058100	10636401	162991_	161680_	
159	-	6.15	6.00	5.15	X	3 µF *	ZAF6	DAF6	ZXF6	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	3 µF *	ZAF6	DAF6	ZXF6	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	3 µF *	ZAF4	DAF4	ZXF4	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF *	ZAF5	DAF5	ZXF5	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF *	ZAF5	DAF5	ZXF5	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF *	ZAFP	DAFP	ZXFP	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	3 µF *	-	-	ZXF4	16058100	10636401	162991_	161680_	
170	-	6.15	6.00	5.15	X	4 µF *	-	-	ZXF5	16058100	10636401	162991_	161680_	
170	-	6.15	6.00	5.15	X	4 µF *	-	-	ZXFP	16058100	10636401	162991_	161680_	
170	-	6.15	6.00	5.15	X	4 µF *	-	-	ZXFP	16058100	10636401	162991_	161680_	

## K-Series AT/NG · R600a · 200-240 V · 50 Hz | 208-230 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] T <sub>c</sub> =54.4°C, T <sub>liq</sub> =32.2°C, T <sub>suc</sub> =32.2°C Evaporating temperature [°C]							ASHRAE						Displacement [cm <sup>3</sup> ]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling 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			Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]			
			-35	-15	-5	0	10	15										
			[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]								
HXK70AT	CDO00124	LBP	60	178	-	-	-	119	1.72	-	-	-	-	6.64	170-264 V, 50 Hz	S		
HXK80AT	CDO00135	LBP	70	208	-	-	-	140	1.75	-	-	-	-	8.10	170-264 V, 50 Hz *	S		
HXK87AT	CDO00136	LBP	89	229	-	-	-	154	1.75	-	-	-	-	8.80	170-264 V, 50 Hz *	S		
HXK95AT	CDO00137	LBP	76	254	-	-	-	174	1.75	-	-	-	-	9.60	170-264 V, 50 Hz *	S		
HXK12AT	CDO00219	LBP	115	295	-	-	-	198	1.73	-	-	-	-	11.12	170-264 V, 50 Hz *	S		
HXK13AT	CDO00222	LBP	131	335	-	-	-	226	1.65	-	-	-	-	12.50	170-264 V, 50 Hz	S		
HXK55NG	16512000	L/MBP	46	154	248	307	-	98	1.56	207	2.27	-	-	5.60	198-254 V, 50 Hz *	S		
HXK70NG	16512800	L/MBP	55	180	280	343	-	118	1.65	235	2.24	-	-	7.00	170-264 V, 50 Hz *	S		

## Electrical Equipment · Spare Parts · Accessories

Dimensions							Run capacitor	Terminal board	Terminal board	Cable clamp	Cover	Evaporation tray	All-in-one equipment	
Height [mm]		Connectors location [mm]					alt. connectors available	→ optional → compulsory*	→ PTC → external protector	→ ePTC → external protector	screws not included	V0	plastic	→ cover → cable clamp + screws → earthing screw
A	B	Suction C (I.D.)	Process D (O.D.)	Dis-charge E (I.D.)		Spades		Spades	Spades		material optional			
							4.8   6.3 mm	4.8 mm	6.3 mm	4.8 mm				
167	-	6.15	6.00	5.15	X	4 µF	ZAF5	DAF5	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZCF5	DCF5	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZCF6	DCF6	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZCF9	DCF9	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	X	4 µF	ZCF9	DCF9	-	16058100	10636401	162991_	161680_	
167	-	6.15	6.00	5.15	-	3 µF	-	-	ZXF0	16058100	10636401	162991_	103N0600	
167	-	6.15	6.00	5.15	-	4 µF	-	-	ZXF5	16058100	10636401	162991_	103N0600	



R290 · 220-240 V · 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsub=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm³]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling 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		Cooling capacity		COP		Cooling capacity					COP	
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]				[W]	[W/W]
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]				[W]	[W/W]
KLF4.0CND	106H2401	L/MBP	93	268	401	483	-	-	184	1.50	336	2.14	-	-	4.00	198-254 V, 50 Hz	F2		
KLF4.0CNDS	106H2403	L/MBP	89	258	386	465	-	-	177	1.44	323	2.03	-	-	4.00	198-254 V, 50 Hz	F2		
KLF4.8CND	106H2500	L/MBP	113	332	489	586	-	-	231	1.55	411	2.17	-	-	4.80	198-254 V, 50 Hz	F2		
KLF4.8CNDS	106H2503	L/MBP	109	320	471	564	-	-	222	1.46	395	2.01	-	-	4.80	198-254 V, 50 Hz	F2		
KLF5.6CND	106H2600	L/MBP	144	401	596	716	-	-	277	1.62	500	2.17	-	-	5.60	198-254 V, 50 Hz	F2		
KLF5.6CNDS	106H2603	L/MBP	138	383	568	682	-	-	265	1.51	477	2.02	-	-	5.60	198-254 V, 50 Hz	F2		
KLF6.6CND	106H2700	L/MBP	174	485	709	846	-	-	338	1.58	597	2.12	-	-	6.60	198-254 V, 50 Hz	F2		
KLF6.6CNDS	106H2703	L/MBP	168	467	682	813	-	-	326	1.47	574	1.96	-	-	6.60	198-254 V, 50 Hz	F2		
KLF7.7CND	106H2800	L/MBP	213	559	824	983	-	-	388	1.60	693	2.12	-	-	7.70	198-254 V, 50 Hz	F2		
KLF7.7CNDS	106H2803	L/MBP	204	535	788	939	-	-	372	1.48	663	1.95	-	-	7.70	198-254 V, 50 Hz	F2		
KLF7.7CNQX	106H2809	L/MBP	208	556	817	978	1372	-	389	1.61	687	2.06	1118	2.77	7.70	187-254 V, 50 Hz	F2		
KLF8.6CND	106H2900	L/MBP	255	645	939	1118	1551	-	456	1.61	791	2.00	1268	2.60	8.60	198-254 V, 50 Hz	F2		
NL7CN	105H6756	L/MBP	174	474	712	859	-	-	325	1.35	597	1.81	-	-	7.27	198-254 V, 50 Hz	F1		
NL9CN	105H6856	L/MBP	205	548	815	979	-	-	380	1.39	684	1.80	-	-	8.35	198-254 V, 50 Hz	F1		
NLE8.8CN	105H6880	L/MBP	236	611	893	1068	1497	-	431	1.57	751	1.98	1220	2.68	8.76	198-254 V, 50 Hz	F1		
NLE10CN	105H6175	L/MBP	267	702	1038	1240	1722	-	486	1.47	872	1.89	1409	2.53	10.09	198-254 V, 50 Hz	F2		
NLE11CNL	105H6174	LBP	300	778	1143	-	-	-	540	1.52	962	1.92	-	-	11.15	198-254 V, 50 Hz	F2		
NLE12.6CNL	105H6378	LBP	355	861	1274	-	-	-	611	1.63	1069	2.00	-	-	12.55	198-254 V, 50 Hz	F2		
NLE11MN	105H6177	MBP	-	795	1166	1391	1929	-	562	1.58	981	2.01	1579	2.70	11.15	198-254 V, 50 Hz	F2		
NLE12.6MN	105H6377	MBP	-	855	1261	1510	2114	-	602	1.56	1060	1.97	1725	2.56	12.55	198-254 V, 50 Hz	F2		
NLU8.8DN	105H6085	M/HBP	-	569	862	1045	1488	1751	392	1.60	721	2.17	1210	3.09	8.76	187-254 V, 50 Hz	F2		
NLE10DNDX	105H7010	M/HBP	-	721	1072	1283	1799	2114	481	1.59	900	2.28	1466	3.08	10.10	198-254 V, 50 Hz	F2		
NLE11MNDX	105H7103	MBP	-	817	1184	1407	1945	-	576	1.67	998	2.14	1592	2.96	11.15	198-254 V, 50 Hz	F2		
NLE13LNDX	105H7301	LBP	355	863	1278	-	-	-	612	1.69	1072	2.09	-	-	12.60	198-254 V, 50 Hz	F2		
NLE13MNDX	105H7302	MBP	-	922	1349	1605	-	-	646	1.67	1135	2.09	1813	2.80	12.60	198-254 V, 50 Hz	F2		
NLE14LNDX	105H7402	LBP	404	1004	1444	-	-	-	715	1.68	1219	2.09	-	-	13.50	198-254 V, 50 Hz	F2		
NLE15LNDX	105H7500	LBP	444	1080	1539	-	-	-	776	1.72	1300	2.04	-	-	14.60	198-254 V, 50 Hz	F2		
SC10CNX	104H8065	L/MBP	175	547	853	1042	-	-	358	1.27	711	1.79	-	-	10.29	198-254 V, 50 Hz	F2		
SC12CNX	104H8265	L/MBP	227	711	1110	1372	-	-	475	1.31	923	1.79	-	-	12.87	198-254 V, 50 Hz	F2		
SC15CNX	104H8565	L/MBP	251	918	1415	1717	-	-	597	1.35	1183	1.83	-	-	15.28	198-254 V, 50 Hz	F2		
SC18CNX	104H8865	L/MBP	315	1106	1684	2032	-	-	727	1.36	1410	1.74	-	-	17.69	198-254 V, 50 Hz	F2		
SC12CNX.2	104H8266	LBP	230	742	-	-	-	-	491	1.20	-	-	-	-	12.87	198-254 V, 50 Hz	F2		
SC15CNX.2	104H8566	LBP	345	928	-	-	-	-	624	1.32	-	-	-	-	15.28	198-254 V, 50 Hz	F2		
SC18CNX.2	104H8866	LBP	342	1194	-	-	-	-	797	1.31	-	-	-	-	17.69	198-254 V, 50 Hz	F2		
SC21CNX.2	104H8166	LBP	462	1399	-	-	-	-	962	1.45	-	-	-	-	20.95	198-254 V, 50 Hz	F2		
SC10MNX	104H8075	MBP	-	575	921	1132	-	-	351	1.19	766	1.70	1329	2.57	10.29	198-254 V, 50 Hz	F2		
SC12MNX	104H8275	MBP	-	757	1195	1461	-	-	474	1.13	995	1.77	1707	2.61	12.87	198-254 V, 50 Hz	F2		
SC15MNX	104H8575	MBP	-	967	1409	1679	-	-	680	1.51	1187	1.75	1907	2.40	15.28	198-254 V, 50 Hz	F2		
SC18MNX	104H8875	MBP	-	1109	1622	1943	-	-	777	1.31	1364	1.71	2237	2.33	17.69	198-254 V, 50 Hz	F2		
SCE15CNLX	104H8548	LBP	319	1004	1522	-	-	-	667	1.52	1276	2.05	-	-	15.28	198-254 V, 50 Hz	F2		
SCE18CNLX	104H8848	LBP	404	1179	1775	-	-	-	793	1.51	1489	2.03	-	-	17.69	198-254 V, 50 Hz	F2		
SCE21CNLX	104H8163	LBP	512	1397	2081	-	-	-	956	1.61	1748	2.08	-	-	20.95	198-254 V, 50 Hz	F2		
SCE21CNLX	104H8164	LBP	497	1381	2062	-	-	-	939	1.49	1732	1.87	-	-	20.95	207-242 V, 50 Hz	F2		
SCE15CNX	104H8540	L/MBP	319	1002	1524	1836	-	-	664	1.62	1277	2.23	2100	3.13	15.28	198-254 V, 50 Hz	F2		
SCE18CNX	104H8840	L/MBP	400	1206	1818	2183	-	-	809	1.63	1525	2.24	2488	3.14	17.69	198-254 V, 50 Hz	F2		
SCE15MNX	104H8549	MBP	-	995	1513	1822	2550	-	659	1.49	1267	2.04	2083	2.84	15.28	198-254 V, 50 Hz	F2		
SCE18MNX	104H8849	MBP	-	1193	1789	2144	-	-	809	1.46	1501	1.97	2437	2.75	17.69	198-254 V, 50 Hz	F2		
SCE21MNX	104H8160	MBP	-	1443	2091	2492	-	-	1002	1.64	1762	2.11	2852	2.91	20.95	198-254 V, 50 Hz	F2		
SCE23LNDX	104H8320	LBP	579	1525	2277	-	-	-	1041	1.58	1913	2.01	-	-	23.00	207-254 V, 50 Hz	F2		
SCE25LNDX	104H8420	LBP	654	1683	2470	-	-	-	1178	1.62	2078	1.96	-	-	25.00	207-254 V, 50 Hz	F2		
SCE23MNDX	104H8300	MBP	-	1556	2268	2708	3816	-	1082	1.63	1909	2.09	3103	2.89	23.00	207-254 V, 50 Hz	F2		
SCE25MNDX	104H8400	MBP	-	1699	2466	2940	4140	-	1179	1.56	2077	2.01	3366	2.79	25.00	207-254 V, 50 Hz	F2		

● NLE Plus compressors use a terminal board instead of a starting device

● SCE Plus compressors use a terminal board instead of a starting device

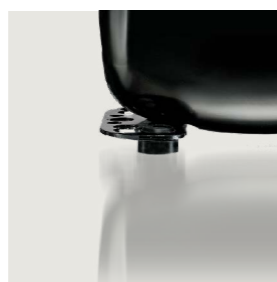
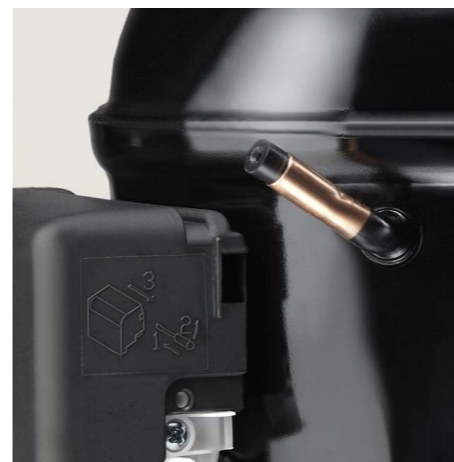
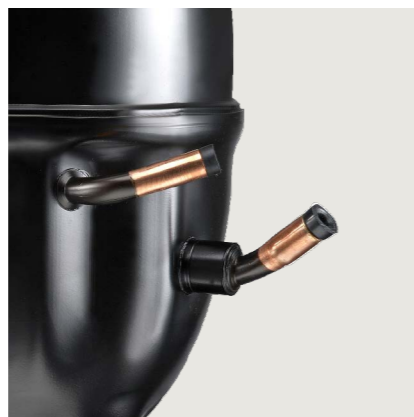
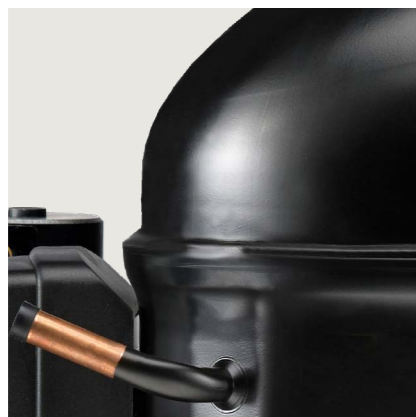
Electrical Equipment

Dimensions							LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST		
Height [mm]		Connectors location/I.D. [mm]			Discharge E (I.D.)	alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover	
A	B	Suction C (I.D.)	Process D (I.D.)	Discharge E (I.D.)			Spades	Spades	Spades	Spades	Spades	Spades	Spades	Spades	Spades	Spades	Spades		
		6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm				
182	175	8.2	6.2	6.2	X	-	-	103N0254	103N0255	-	-	-	117-7191	117-7190	117U7073	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0254	103N0255	-	-	-	117-7191	117-7190	117U7073	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0251	103N0253	-	-	-	117-7191	117-7190	117U7070	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7070	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0250	103N0252	-	-	-	117-7191	117-7190	117U7071	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0250	103N0252	-	-	-	117-7191	117-7190	117U7071	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	-	-	117U7084	117U5003	-	16058100	10636401
203	197	8.2	6.2	6.2	-	-	-	103N0011	103N0018	103N0016	103N0021	-	117-7117	117-7119	117U7002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	-	-	103N0011	103N0018	103N0016	103N0021	-	117-7117	117-7119	117U7002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	-	-	-	-	-	-	103N0050	-	117-7119	117U7002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	-	-	-	-	-	-	103N0050	-	117-7119	117U7002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	-	-	-	-	-	-	103N0050	-	117-7119	117U7003	117U5015	-	103N1010	103N2010</

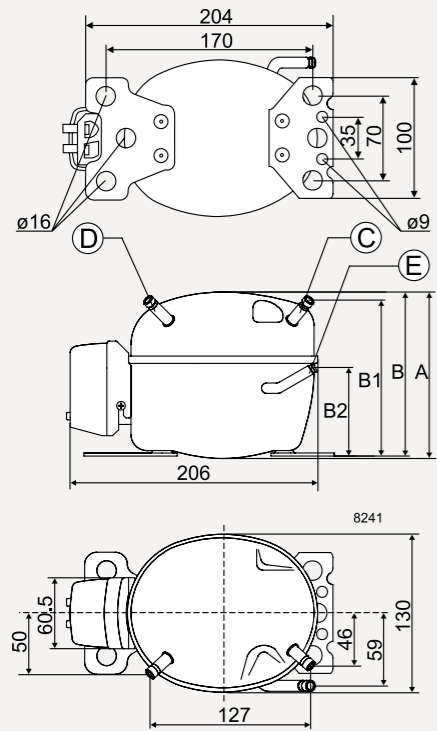
Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsub=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement [cm³]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling (refer to data sheet)		
			LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C		Cooling capacity		COP		Cooling capacity					COP	
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]				[W]	[W/W]
			[W]		[W/W]		[W]		[W/W]		[W]		[W/W]					[W]	
KLF4.0CNT	106H2402	L/MBP	91	282	425	512	722	-	189	1.54	356	2.12	588	2.95	4.00	187-254 V, 50 Hz *	F2		
KLF4.8CNT	106H2502	L/MBP	111	335	501	604	-	229	1.48	420	2.07	698	2.92	4.80	187-254 V, 50 Hz *	F2			
KLF5.6CNT	106H2602	L/MBP	141	393	583	700	-	272	1.54	489	2.06	803	2.89	5.60	187-254 V, 50 Hz *	F2			
KLF6.6CNT	106H2702	L/MBP	176	477	694	825	-	334	1.47	584	1.93	934	2.70	6.60	187-254 V, 50 Hz *	F2			
KLF7.7CNT	106H2808	L/MBP	224	568	837	999	-	396	1.56	704	2.02	1133	2.73	7.70	187-254 V, 50 Hz *	F2			
NLE8.0CNT	105H6073	L/MBP	-	553	824	991	-	377	1.45	692	2.02	1137	2.92	7.96	187-242 V, 50 Hz *	F2			
NLE8.8CNT	105H6088	L/MBP	276	738	1086	1296	-	511	1.56	914	2.05	1469	2.80	8.76	187-253 V, 60 Hz	F2			
NLE10CNT	105H6179	L/MBP	-	735	1076	1278	-	511	1.49	906	1.92	1440	2.59	10.09	187-242 V, 50 Hz *	F2			
NLE11CNLT	105H6109	LBP	416	979	-	-	-	669	1.65	-	-	-	-	11.15	187-253 V, 60 Hz	F2			
NLE11MNT	105H6199	MBP	-	965	1395	1654	-	-	-	1176	2.02	1866	2.73	11.15	187-253 V, 60 Hz	F2			
SC18CNLX.2	104H8877	LBP	457	1268	1823	-	-	922	1.45	1533	1.92	-	-	17.69	198-254 V, 60 Hz	F2			
SC21CNLX.2	104H8177	LBP	570	1552	2201	-	-	1138	1.45	1856	1.78	-	-	20.95	198-254 V, 60 Hz	F2			
SCE15CNLX	104H8577	LBP	249	1210	1857	-	-	769	1.64	1555	2.27	-	-	15.28	187-253 V, 60 Hz	F2			
SCE15CNLX	104H8588	LBP	250	1205	1848	-	-	764	1.47	1548	2.02	-	-	15.28	187-253 V, 60 Hz	F2			
SCE18CNLX	104H8878	LBP	298	1434	2198	-	-	910	1.67	1841	2.30	-	-	17.69	187-253 V, 60 Hz	F2			
SCE18CNLX	104H8888	LBP	440	1385	2066	-	-	940	1.50	1734	1.93	-	-	17.69	187-253 V, 60 Hz	F2			
SCE21CNLX	104H8173	LBP	526	1646	2484	-	-	1102	1.65	2082	2.14	-	-	20.95	187-253 V, 60 Hz	F2			
SCE21CNLX	104H8174	LBP	452	1582	2409	-	-	1042	1.43	2017	1.89	-	-	20.95	198-253 V, 60 Hz	F2			
SCE15MNX	104H8579	MBP	-	1221	1852	2226	-	792	1.64	1552	2.25	2546	3.19	15.28	187-253 V, 60 Hz	F2			
SCE15MNX	104H8589	MBP	-	1208	1828	2196	-	786	1.52	1533	2.03	2511	2.85	15.28	187-253 V, 60 Hz	F2			
SCE18MNX	104H8879	MBP	-	1431	2146	2569	-	942	1.62	1802	2.21	2924	3.11	17.69	187-253 V, 60 Hz	F2			
SCE18MNX	104H8889	MBP	-	1427	2137	2557	-	941	1.46	1794	1.96	2910	2.76	17.69	187-253 V, 60 Hz	F2			
SCE21MNX	104H8151	MBP	-	1652	2459	2926	4007	1089	1.58	2068	2.06	3292	2.71	21.00	195-254 V, 60 Hz	F2			
SCE23LNIX	104H8350	LBP	613	1803	2676	-	-	1226	1.57	2250	1.95	-	-	23.00	195-254 V, 60 Hz	F2			
SCE25LNIX	104H8440	LBP	688	1939	2859	-	-	1331	1.57	2406	1.93	-	-	25.00	195-254 V, 60 Hz	F2			
SCE23MNX	104H8340	MBP	-	1833	2642	3113	4266	1222	1.62	2233	2.08	3495	2.77	23.00	195-254 V, 60 Hz	F2			
SCE25MNX	104H8450	MBP	-	1902	2904	3421	4292	1282	1.51	2440	2.05	3649	2.53	25.00	195-254 V, 60 Hz	F2			

● SCE Plus compressors use a terminal board instead of a starting device

Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *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	
A	B	Suction C (I.D.)	Process D (I.D.)	Dis-charge E (I.D.)	Spades		Spades		Spades	Spades		Spades							
		6.3 mm	4.8 mm	6.3 mm	4.8 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	4.8 mm	6.3 mm	6.3 mm	6.3 mm				
182	175	8.2	6.2	6.2	X	-	-	103N0259	-	-	-	-	117-7155	-	117U7085	117U5001	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0251	-	-	-	-	117-7155	-	117U7070	117U5003	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0256	-	-	-	-	117-7155	-	117U7077	117U5003	-	16058100	10636401
182	175	8.2	6.2	6.2	X	-	-	103N0250	103N0252	-	-	-	117-7155	-	117U7071	117U5003	-	16058100	10636401
182	175	8.2	6.2	6.2	-	-	-	103N0250	103N0252	-	-	-	117-7155	-	117U7071	117U5001	-	16058100	10636401
203	197	8.2	6.5	6.5	-	-	-	-	-	103N0050	-	-	117-7119	117U7003	117U5014	-	103N1010	103N2011	
203	197	8.2	6.5	6.5	-	-	-	-	-	103N0050	-	-	117-7119	117U7022	117U5381	-	103N1010	103N2011	
203	197	8.2	6.5	6.5	-	-	-	-	-	103N0050	-	-	117-7119	117U7050	117U5014	-	103N1010	103N2011	
203	197	8.2	6.5	6.5	-	-	-	-	-	103N0050	-	-	117-7165	117U7005	117U5014	-	103N1010	103N2011	
203	197	8.2	6.5	6.5	-	-	-	-	-	103N0050	-	-	117-7119	117U7050	117U5014	-	103N1010	103N2011	
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008	
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117U5373	117-7066	103N1004	103N2008	
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	117U7121 *	-	117-7602	117U5373	117-7809	-	117U1021
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117U7413	117U5076	-	-	117U1021
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	117U7121 *	-	117-7602	117U5373	117-7809	-	117U1021
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	-	-	117U7413	117U5076	-	-	117U1021
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	117U7121 *	-	117-7603	117U5373	117-7811	-	117U1021
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117U7407	117U5076	-	-	117U1021
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	117U7121 *	-	117-7601	117U5373	117-7808	-	117U1021
219	213	9.63	6.5	6.5	-	-	-	-	-	-	-	-	-	-	117U7401	117U5076	-	-	117U1021
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	117U7121 *	-	117-7445	117U5373	117-7807	-	117U1021
219	213	9.63	6.5	6.5	X	-	-	-	-	-	-	-	-	-	117U7412	117U5076	-	-	117U1021
236	231	9.63	6.5	6.5	-	-	-	-	-	-	-	-	117-7167 *	-	117U7502	117U5351	117U8102	103N1007	117U1036
236	231	12.9	6.5	8.2	-	-	-	-	-	-	-	-	117-7166 *	-	117U7500	117U5351	117U8100	103N1007	117U1036
236	231	12.9	6.5	8.2	-	-	-	-	-	-	-	-	117-7167 *	-	117U7502	117U5352	117U8102	103N1007	117U1036
236	231	12.9	6.5	8.2	-	-	-	-	-	-	-	-	117-7167 *	-	117U7502	117U5352	117U8102	103N1007	117U1036

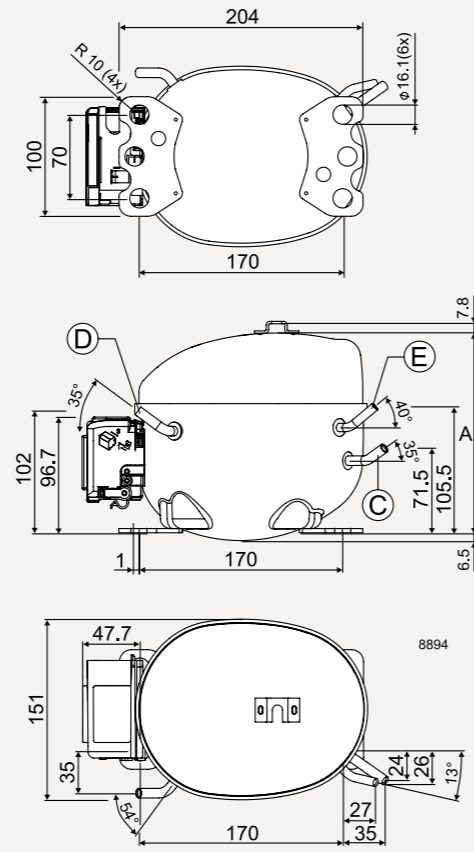


PLE

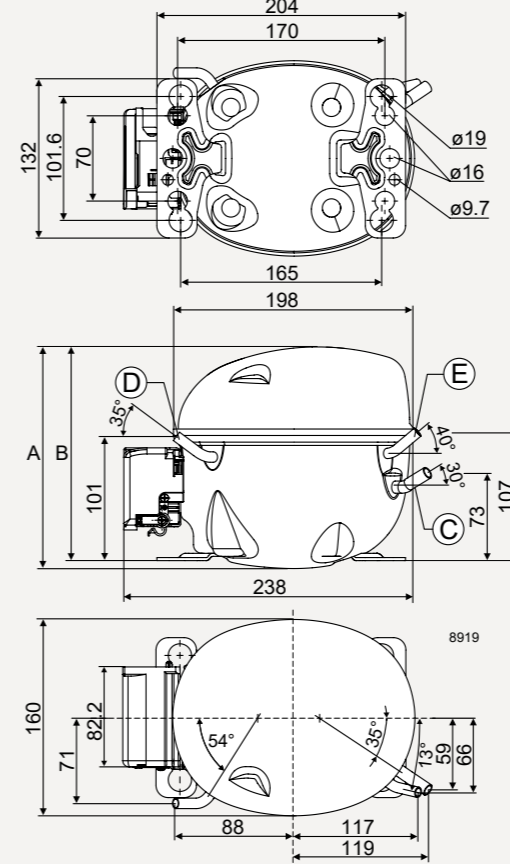


Note:  
Please refer to data sheets for heights B1 and B2

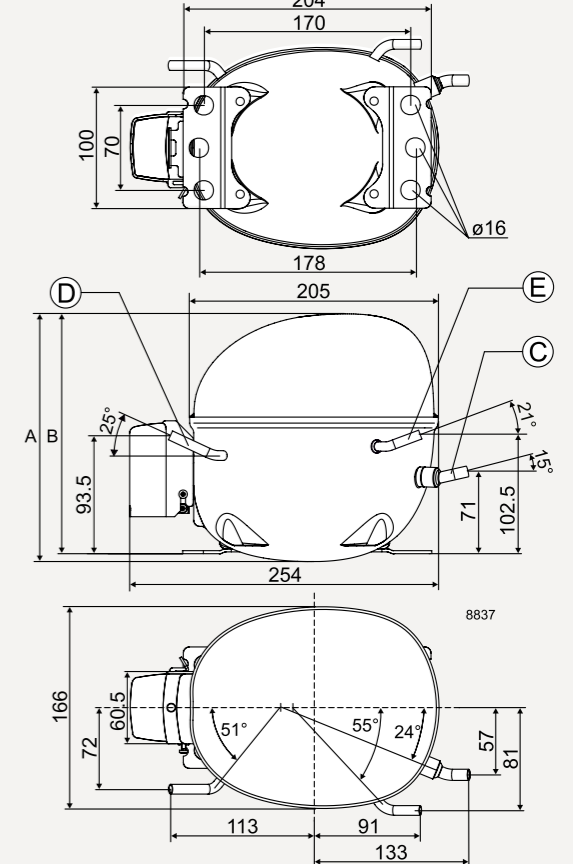
HKK/HMK/HTK/HXK/HZK (K-Series)



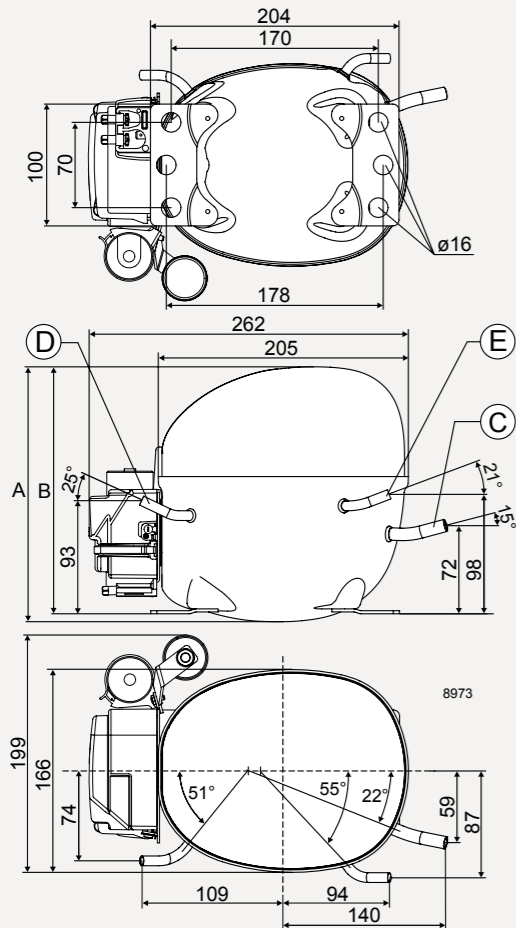
KLF



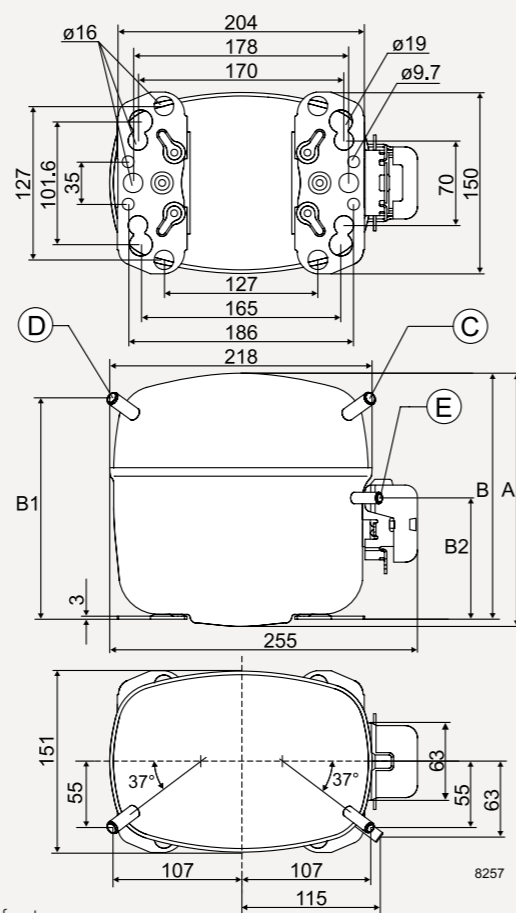
NLE/NLU (R600a compressors are similar)



NLE Plus

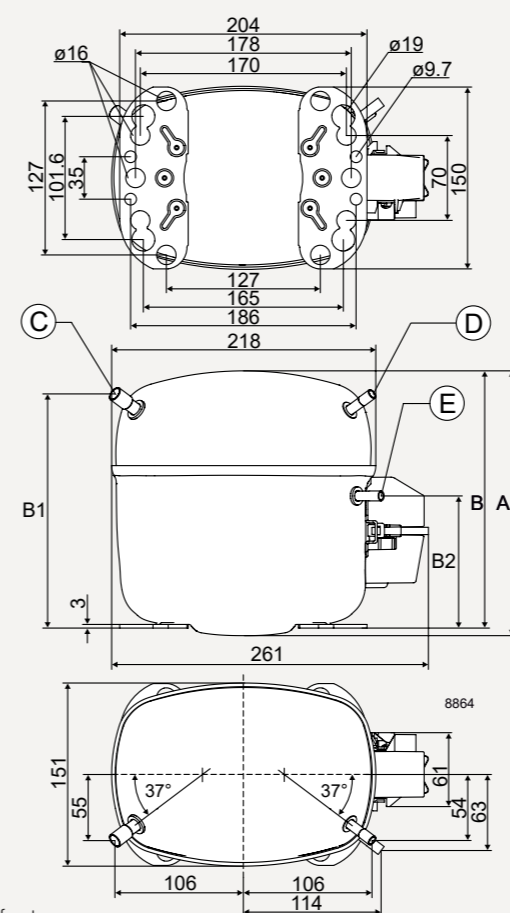


SC



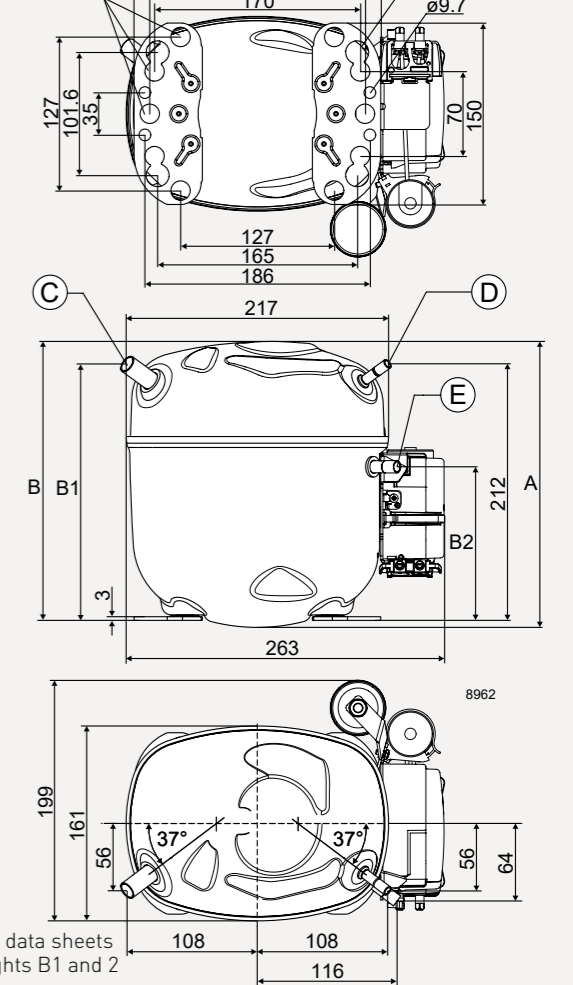
Note:  
Please refer to data sheets for heights B1 and B2

SCE



Note:  
Please refer to data sheets for heights B1 and B2

SCE Plus



Note:  
Please refer to data sheets for heights B1 and B2

LST - RSIR	LST - RSCR	HST - CSIR
<p><b>KLF - external protector</b></p>	<p><b>KLF - external protector</b></p>	<p><b>KLF - external protector</b></p>

LST - RSIR	LST - RSCR	HST - CSIR
<p><b>NL/NLE</b></p>	<p><b>NLE/NLU/NLX</b></p>	<p><b>NL/NLE</b></p>

LST - RSCR	HST - CSCR	HST - CSIR
<p><b>PLE</b></p>	<p><b>NLE Plus</b></p>	<p><b>SCE - external protector</b></p>

HST - CSCR		
<p><b>SCE - external protector</b></p>	<p><b>SCE - external protector</b></p>	<p><b>SCE - external protector</b></p>

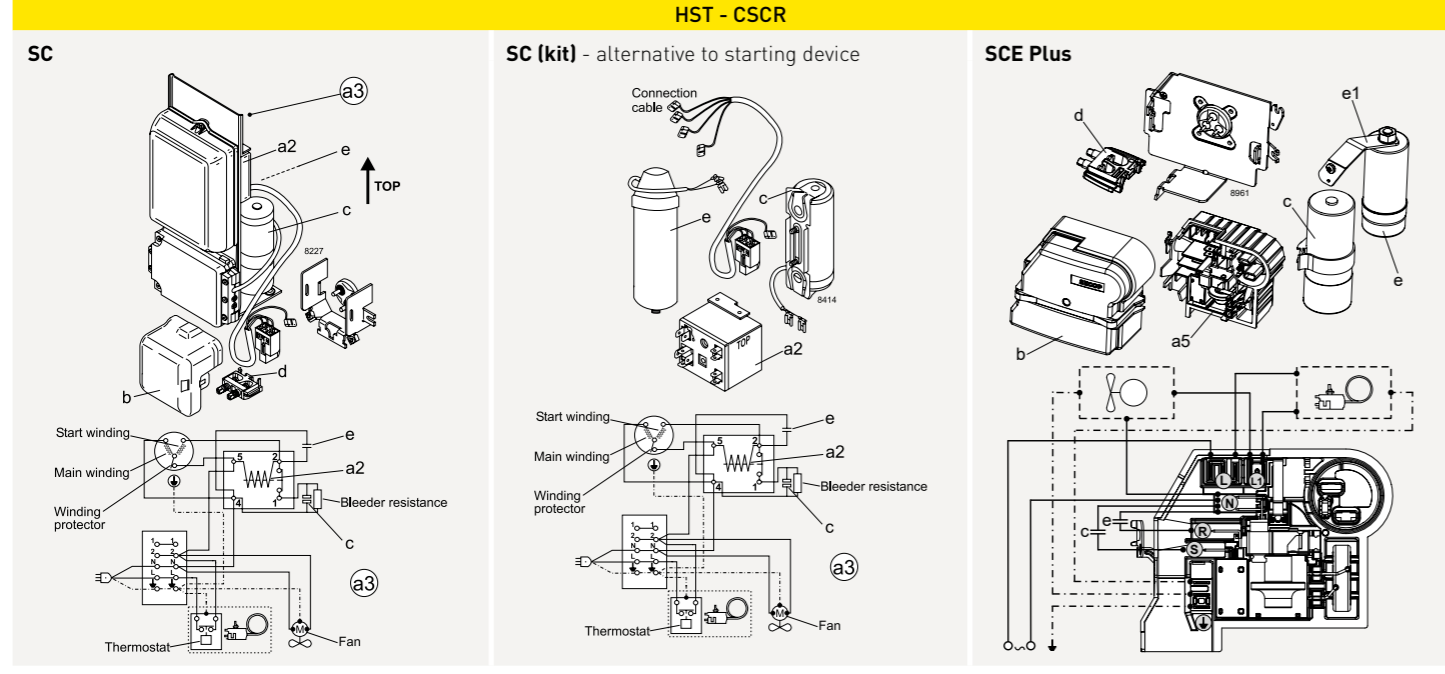
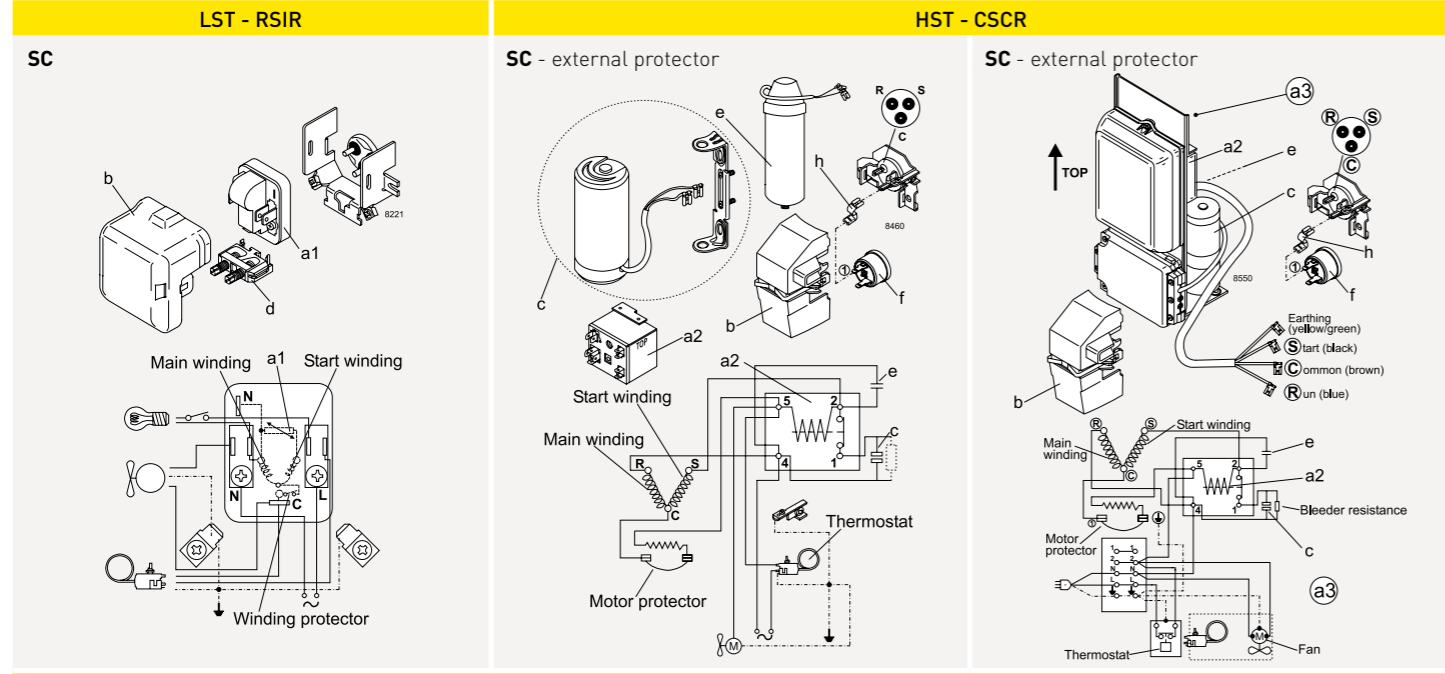
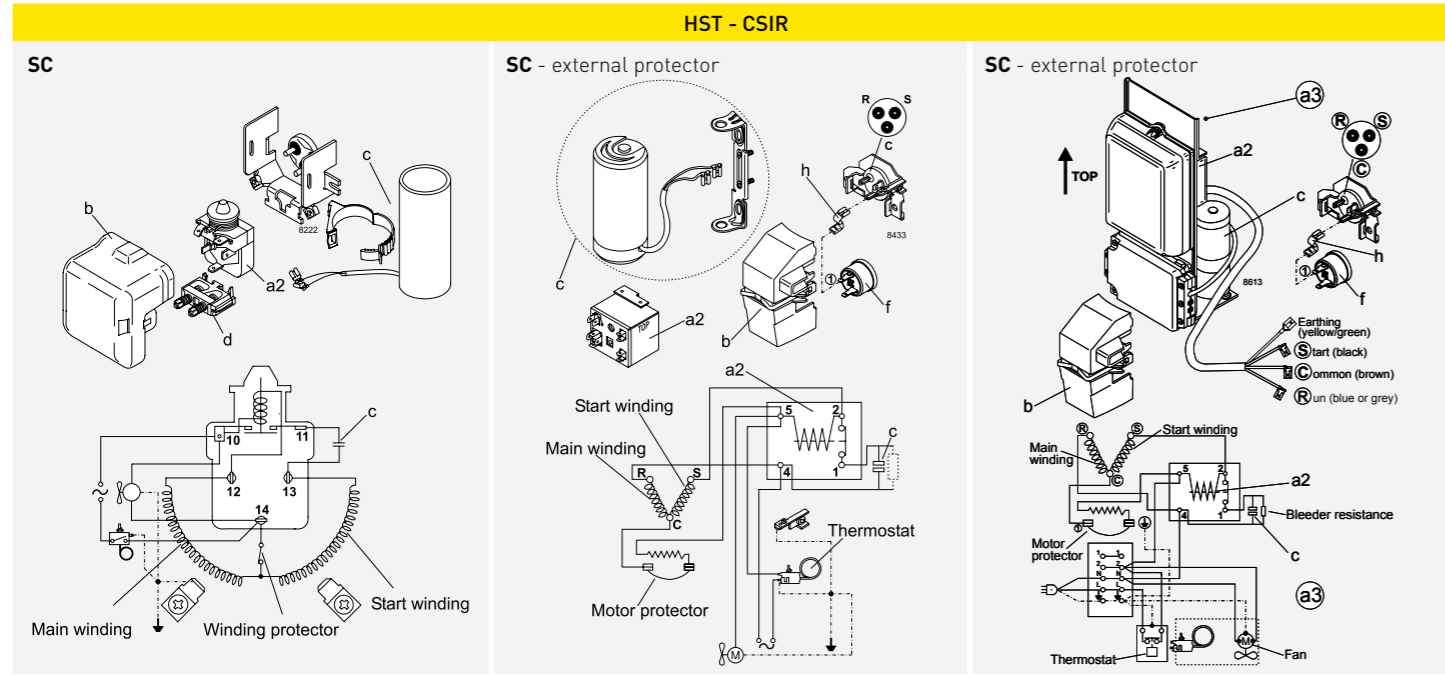
LST - RSCR	K-Series - evaporation tray
<p><b>HKK/HTK/HXK/HZK - external protector, terminal board for HZK includes an ePTC</b></p>	<p><b>K-Series - evaporation tray</b></p>

LST - RSIR
<p><b>HMK/HTK/HXK - external protector</b></p>

R600a and R290 warning labels



R600a (isobutane) and R290 (propane) are hydrocarbons. Hydrocarbon refrigerants are flammable. Secop compressors that use flammable refrigerants R600a and R290 are equipped with a yellow warning label as shown.



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	P- / K- / KL- / N- / S-Series	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	P- / K- / KL- / N- / 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	P- / KL- / N- / 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	P- / KL- / N- / S-Series	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	P- / KL- / N- / S-Series	V

Parts list (4 pcs. per compressor needed)			Symbol drawings	
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		
II	Rubber grommet 16 mm	118-3661		
	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		
III	Nut M8	107B9154		
	Rubber grommet 19 mm	107B9151		
	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		
IV	Bolt 1/4 x 1 inch, 20 UNC	119-3002		
	Nut 1/4 inch, 20 UNC	119-3031		
	Rubber grommet 16 mm	118-3661		
	Sleeve Ø 9.5 mm x 7.9 mm x 0.8 mm	112-2085		
V	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		
	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		

Further information	Legend
<p><b>Applications</b></p> <p><b>LBP:</b> Low Back Pressure  <b>HBP:</b> High Back Pressure  <b>MBP:</b> Medium Back Pressure</p> <p><b>Motor types</b></p> <p><b>RSIR:</b> Resistant Start Induction Run  <b>RSCR:</b> Resistant Start Capacitor Run  <b>CSIR:</b> Capacitor Start Induction Run  <b>CSCR:</b> Capacitor Start Capacitor Run</p> <p><b>Compressor cooling</b></p> <p>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</p> <p><b>Starting devices</b></p> <p><b>LST:</b> 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.</p> <p><b>HST:</b> High Starting Torque HST consisting of relay and starting capacitor is used for expansion valve control or for capillary tube control without pressure equalizing.</p> <p><b>ePTC:</b> Electronically controlled PTC</p> <ul style="list-style-type: none"> <li>Compressor restart possible after a few seconds</li> <li>Operational wattage loss reduced by 2 watt</li> <li>PTC protection screen not needed (surface temp. &lt; 82 °C)</li> </ul>	<p><b>a1:</b> PTC or ePTC starting device  <b>a2:</b> Starting relay  <b>a3:</b> Starting device  <b>a4:</b> Terminal board incl. PTC and protector  <b>a5:</b> Terminal board incl. relay  <b>a6:</b> Terminal board incl. relay and protector  <b>b:</b> Cover  <b>b1:</b> Clamp (part of compressor)  <b>b2:</b> Gasket (part of compressor)  <b>c:</b> Starting capacitor  <b>d:</b> Cord relief  <b>e:</b> Run capacitor  <b>e1:</b> Run capacitor holder  <b>f:</b> Protector  <b>g:</b> Protection screen for PTC  <b>h:</b> Holder</p>

Flammable refrigerants R600a and R290	PTC protection screen
<p>R600a (isobutane) and R290 (propane) are hydrocarbons. Hydrocarbon refrigerants are flammable and are only allowed for use in appliances that meet the requirements set out in the latest revision of EN/IEC 60335-2-34.</p> <p>Do not use the refrigerants R600a or R290 near an open fire. The refrigeration systems must be opened with a tube cutter.</p> <p>To properly perform maintenance and repair work on R600a or R290 systems, service staff must be properly trained in handling flammable refrigerants.</p> <p>This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair work.</p>	<p>Note (HKK, HMK, HTK, HXK, HZK, and KLF compressors excluded): To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.</p>

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12

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partners for  
advanced  
developments

33

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located in Germany,  
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400+

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50+



countries with  
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Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration manufacturers and are the first choice when it comes to leading hermetic compressors and electronic controls for refrigeration solutions for light commercial and DC-powered applications.

Secop was formerly known as Danfoss Compressors and is one of the founding fathers of modern compressor technology with years of experience that goes back to the beginning of the 1950s.

 **Flensburg:** Sales and R&D  
 **Turin:** Sales  
 **Atlanta:** Sales and Logistics

 **Zlaté Moravce:** R&D, Logistics, and Manufacturing  
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**Stationary  
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