

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

SECCP

AC

VOLTAGE



Energy
Optimized



Wide Application
Range



Stationary
Cooling

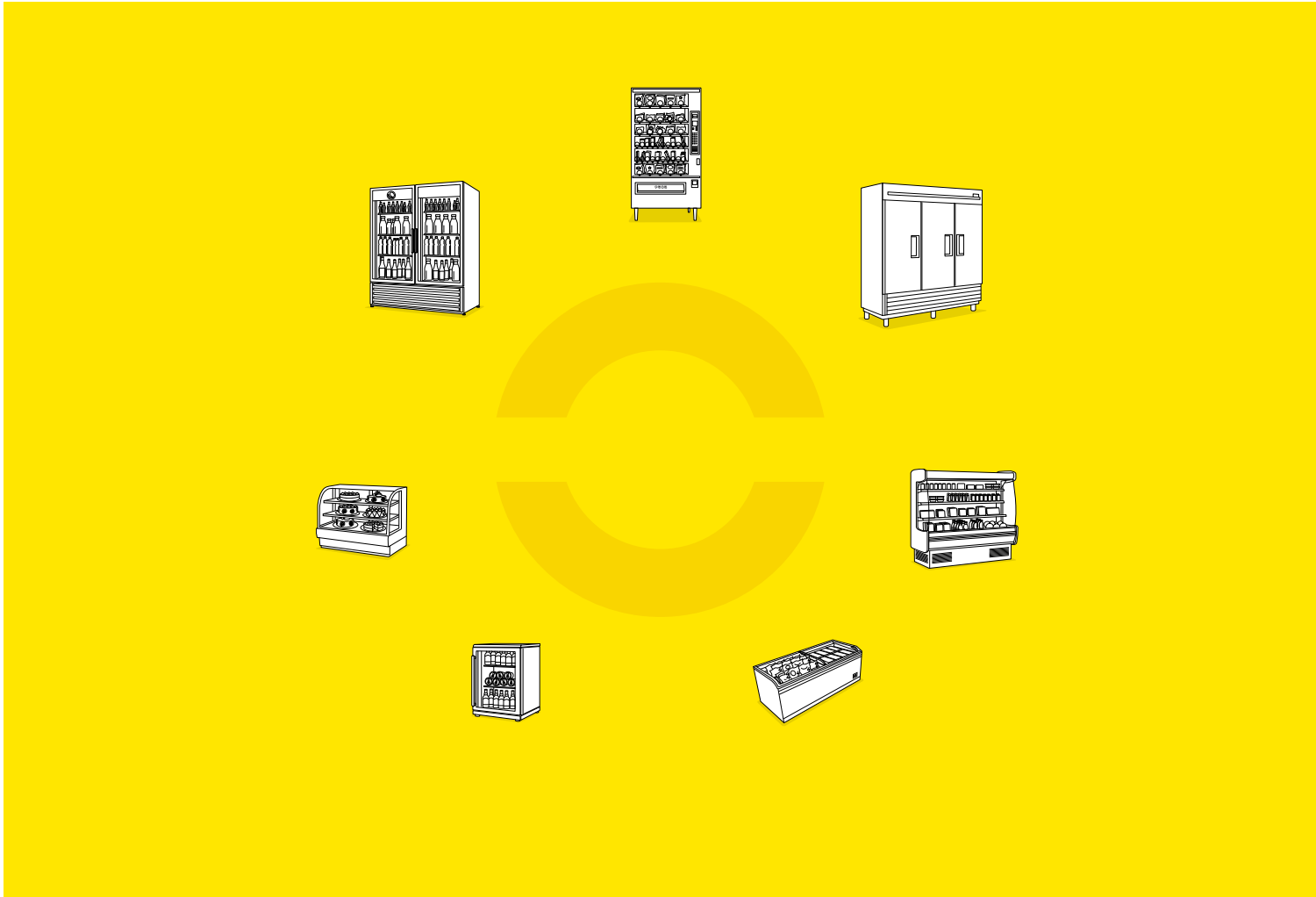




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VARIABLE-SPEED DRIVE
COMPRESSORS, PROPANE



R290

- 115–127V
- 100–240V
- 220–240V
- 50/60 Hz

NLV-CN · MP · XT · R290 (metric connectors)

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]	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	Cooling capacity	COP									
			[W]	[W/W]	[W]	[W/W]	[W]	[W/W]									
NLV8.0CN 2000 rpm	105H7865	L/MBP	128	383	573	687	-	-	259	1.76	481	2.35	783	3.34	7.96	F2	
NLV8.0CN 4500 rpm	105H7865	L/MBP	318	892	1302	1547	-	-	620	1.82	1097	2.33	1747	3.22	7.96	F2	
NLV10CN 2000 rpm	105H7065	L/MBP	182	490	722	863	-	-	340	1.76	607	2.26	981	3.13	10.09	F2	
NLV10CN 4500 rpm	105H7065	L/MBP	428	1144	1680	2004	-	-	797	1.81	1413	2.25	2275	2.99	10.09	F2	
NLV12.6CN 2000 rpm	105H7365	L/MBP	242	623	910	1085	-	-	438	1.76	766	2.18	1230	2.98	12.55	F2	
NLV12.6CN 4500 rpm	105H7365	L/MBP	564	1448	2104	2501	-	-	1022	1.80	1772	2.12	2830	2.65	12.55	F2	
NLV15CN 2000 rpm	105H7520	L/MBP	276	739	1067	1264	-	-	521	1.67	900	2.03	1424	2.76	14.65	F2	
NLV15CN 4500 rpm	105H7520	L/MBP	619	1617	2313	2730	-	-	1152	1.61	1954	1.95	3062	2.61	14.65	F2	
NLV15CN 5000 rpm	105H7520	L/MBP	681	1776	2540	2997	-	-	1266	1.63	-	-	-	-	14.65	F2	

Multi Purpose (MP) Controllers

Compressor	NLV 105N4910	NLV 105N4960	NLV 105N4962/72	NLV 105N4964	NLV 105N4966
	Standard, PFC	Multi Voltage, PFC	Multi Voltage, PFC US GFCI-Conformity	Multi Voltage, PFC	Multi Voltage, PFC US GFCI-Conformity
	Nominal voltage range: 220-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz
	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays
NLV8.0CN	✓	✓	✓	-	-
NLV10CN	✓	✓	✓	-	-
NLV12.6CN	✓	✓	✓	-	-
NLV15CN	-	-	-	✓	✓

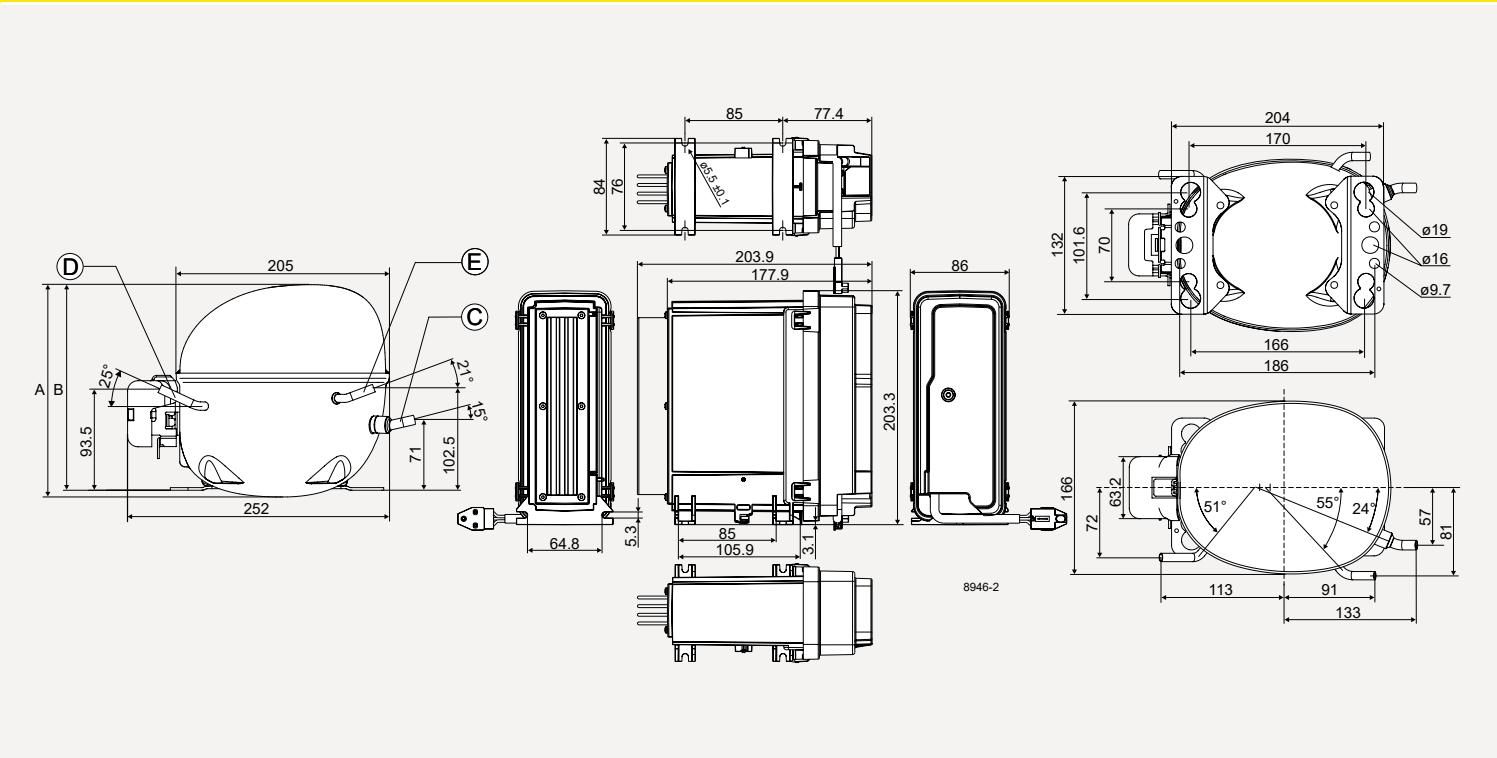
CECOMAF

CECOMAF Capacity [W] Tc=55°C, Tliq=55°C, Tsuc=32°C Evaporating temperature [°C]						CECOMAF						Dimensions					Connection	
						LBP rating point -25°C / 55°C		MBP rating point -10°C / 55°C		HBP rating point 5°C / 55°C		Height [mm]		Connectors location/I.D. [mm]			Cord relief	Cover
						Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP	A (I.D.)	B (I.D.)	Suction C (I.D.)	Process D (I.D.)	Discharge E (I.D.)		
-35	-15	-5	0	10	15													
103	310	463	554	–	–	192	1.36	382	1.95	656	2.81	203	197	8.20	6.20	6.20	103N1004	103N2008
256	722	1052	1249	–	–	462	1.41	877	1.95	1469	2.73	203	197	8.20	6.20	6.20	103N1004	103N2008
147	397	583	696	–	–	254	1.36	484	1.89	823	2.64	203	197	8.20	6.20	6.20	103N1004	103N2008
346	926	1357	1617	–	–	595	1.41	1128	1.90	1910	2.55	203	197	8.20	6.20	6.20	103N1004	103N2008
196	505	736	875	–	–	329	1.37	613	1.83	1033	2.52	203	197	8.20	6.20	6.20	103N1004	103N2008
457	1172	1700	2018	–	–	767	1.41	1419	1.81	2377	2.29	203	197	8.20	6.20	6.20	103N1004	103N2008
223	598	863	1021	–	–	390	1.30	723	1.71	1198	2.33	203	197	8.20	6.20	6.20	103N1004	103N2008
500	1310	1871	2205	–	–	864	1.26	1574	1.65	2580	2.22	203	197	8.20	6.20	6.20	103N1004	103N2008
550	1439	2054	2421	–	–	950	1.27	–	–	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008

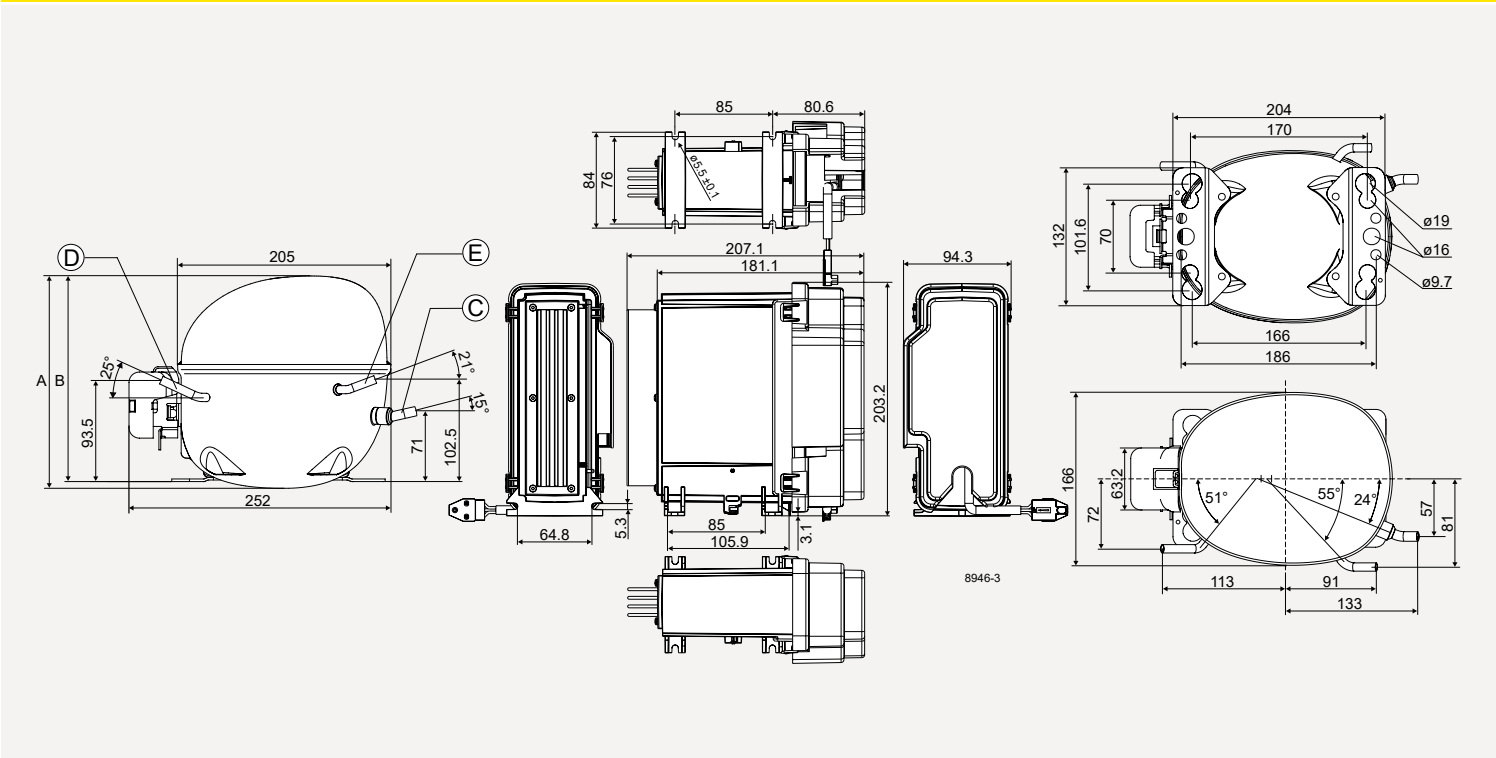
Extended (XT) Controllers

Compressor	NLV 105N4866
	Multi Voltage, PFC
	Nominal voltage range: 100-240 V, 50/60 Hz
	Inputs: Serial, integrated temp.controller, 4 digital/analog I/O, 8 relays
NLV8.0CN	✓
NLV10CN	✓
NLV12.6CN	✓
NLV15CN	-

NLV Compressor & Multi Purpose (MP) Controller



NLV Compressor & Extended (XT) Controller



NLV-CN · MP · XT · R290 (inch connectors)

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]							ASHRAE						Displacement	Power	Compressor Cooling (refer to data sheet)
										LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER				
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[cu.in]			
NLV8.0CN 2000 rpm	105H7866	L/MBP	436	809	1309	1613	2347	–	883	6.02	1646	8.04	2674	11.40	0.49	1/4	F2	
NLV8.0CN 4500 rpm	105H7866	L/MBP	1085	1950	3046	3703	5282	–	2114	6.21	3749	7.97	5969	11.00	0.49	1/2	F2	
NLV10CN 2000 rpm	105H7066	L/MBP	622	1071	1673	2043	2946	–	1160	5.99	2076	7.70	3352	10.70	0.62	1/3	F2	
NLV10CN 4500 rpm	105H7066	L/MBP	1460	2510	3905	4760	6842	–	2716	6.17	4831	7.69	7775	10.19	0.62	3/4	F2	
NLV12.6CN 2000 rpm	105H7366	L/MBP	826	1385	2129	2586	3703	–	1494	6.01	2620	7.45	4204	10.17	0.77	3/8	F2	
NLV12.6CN 4500 rpm	105H7366	L/MBP	1926	3230	4943	5989	8539	–	3484	6.15	6059	7.25	9669	9.04	0.77	1	F2	
NLV15CN 2000 rpm	105H7522	L/MBP	941	1645	2522	3048	4316	–	1777	5.69	3076	6.94	4867	9.41	0.89	1/2	F2	
NLV15CN 4500 rpm	105H7522	L/MBP	2112	3641	5520	6637	9321	–	3926	5.50	6678	6.66	10464	8.90	0.89	1 1/4	F2	
NLV15CN 5000 rpm	105H7522	L/MBP	2326	4003	6064	7289	10234	–	4316	5.57	–	–	–	–	0.89	1 1/3	F2	

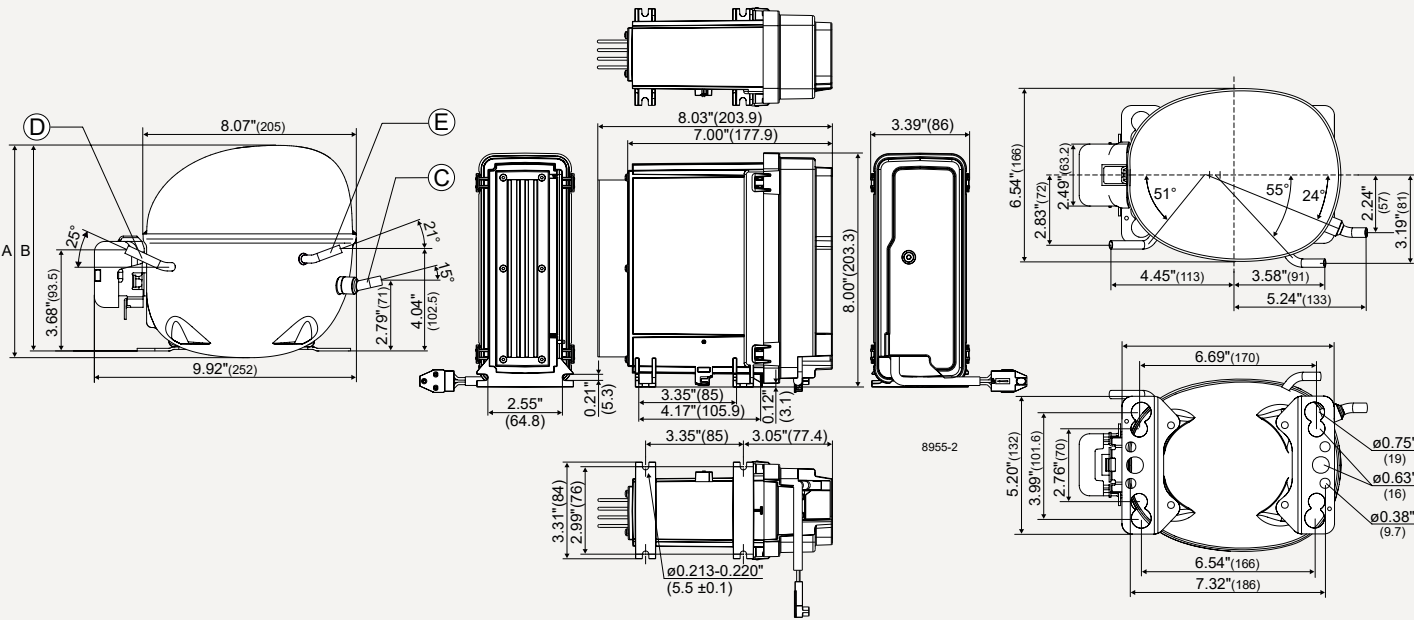
Multi Purpose (MP) Controllers

Compressor	NLV 105N4910	NLV 105N4960	NLV 105N4962/72	NLV 105N4964	NLV 105N4966
	Standard, PFC	Multi Voltage, PFC	Multi Voltage, PFC US GFCI-Conformity	Multi Voltage, PFC	Multi Voltage, PFC US GFCI-Conformity
	Nominal voltage range: 220-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz	Nominal voltage range: 100-240 V, 50/60 Hz
	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays
NLV8.0CN	✓	✓	✓	–	–
NLV10CN	✓	✓	✓	–	–
NLV12.6CN	✓	✓	✓	–	–
NLV15CN	–	–	–	✓	✓

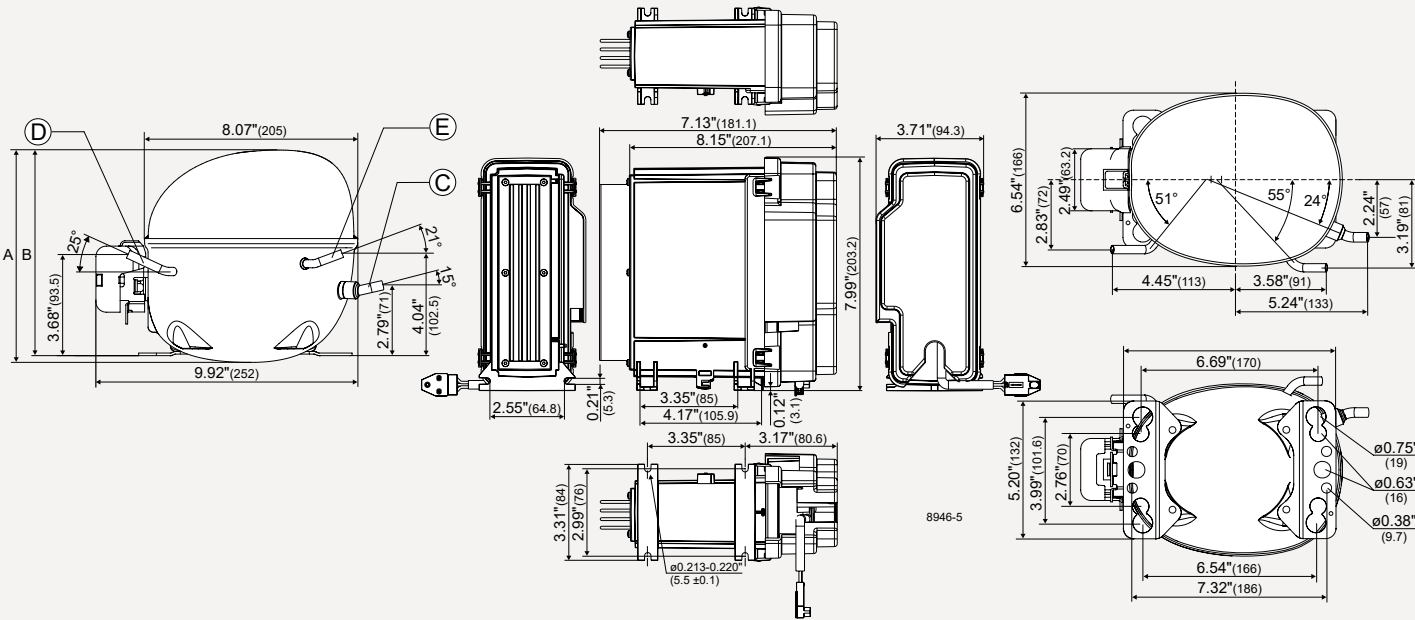
Extended (XT) Controllers

Compressor	NLV 105N4866
	Multi Voltage, PFC
	Nominal voltage range: 100-240 V, 50/60 Hz
	Inputs: Serial, integrated temp.controller, 4 digital/analog I/O, 8 relays
NLV8.0CN	✓
NLV10CN	✓
NLV12.6CN	✓
NLV15CN	–

NLV Compressor & Multi Purpose (MP) Controller



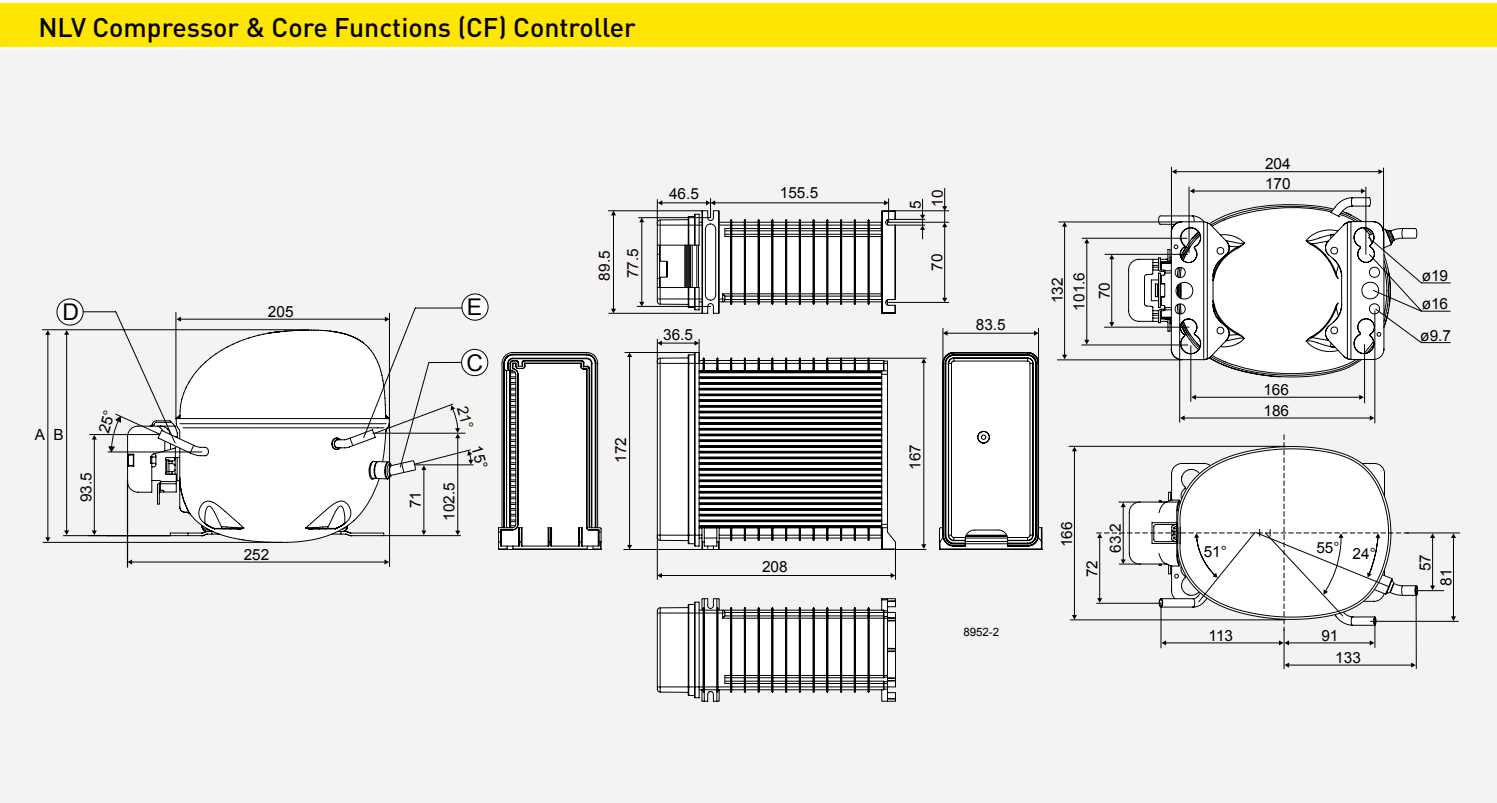
NLV Compressor & Extended (XT) Controller



NLV-CN · CF · R290 · CCC Certified (metric connectors)																
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]	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	Cooling capacity	COP		
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]		
NLV8.0CN 2000 rpm	105H7813	L/MBP	151	390	578	693	–	–	272	1.84	485	2.36	–	–	7.96	F2
NLV8.0CN 4500 rpm	105H7813	L/MBP	305	826	1252	1510	–	–	558	1.76	1049	2.33	–	–	7.96	F2
NLV10CN 2000 rpm	105H7013	L/MBP	188	488	721	864	–	–	340	1.83	606	2.32	–	–	10.09	F2
NLV10CN 4500 rpm	105H7013	L/MBP	418	1085	1617	1941	–	–	749	1.80	1357	2.25	–	–	10.09	F2
NLV12.6CN 2000 rpm	105H7363	L/MBP	239	624	911	1084	–	–	438	1.75	767	2.19	–	–	12.55	F2
NLV12.6CN 4500 rpm	105H7363	L/MBP	556	1450	2105	2500	–	–	1022	1.77	1774	2.13	–	–	12.55	F2

CECOMAF Capacity [W] Tc=55°C, Tliq=55°C, Tsuc=32°C Evaporating temperature [°C]												CECOMAF						Dimensions					Connection	
												LBP rating point -25°C / 55°C		MBP rating point -10°C / 55°C		HBP rating point 5°C / 55°C		Height [mm]		Connectors location/I.D. [mm]			Cord relief	Cover
												Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	Cooling capacity [W]	COP [W/W]	A (I.D.)	B (I.D.)	Suction	Process	Discharge		
-35	-15	-5	0	10	15															C (I.D.)	D (I.D.)	E (I.D.)		
122	316	466	558	–	–							203	1.43	385	1.98	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008
248	667	1010	1216	–	–							415	1.36	827	1.94	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008
152	395	581	695	–	–							255	1.42	482	1.95	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008
340	878	1306	1565	–	–							560	1.40	1077	1.90	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008
193	505	736	875	–	–							328	1.36	613	1.84	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008
450	1174	1701	2019	–	–							766	1.38	1421	1.82	–	–	203	197	8.20	6.20	6.20	103N1004	103N2008

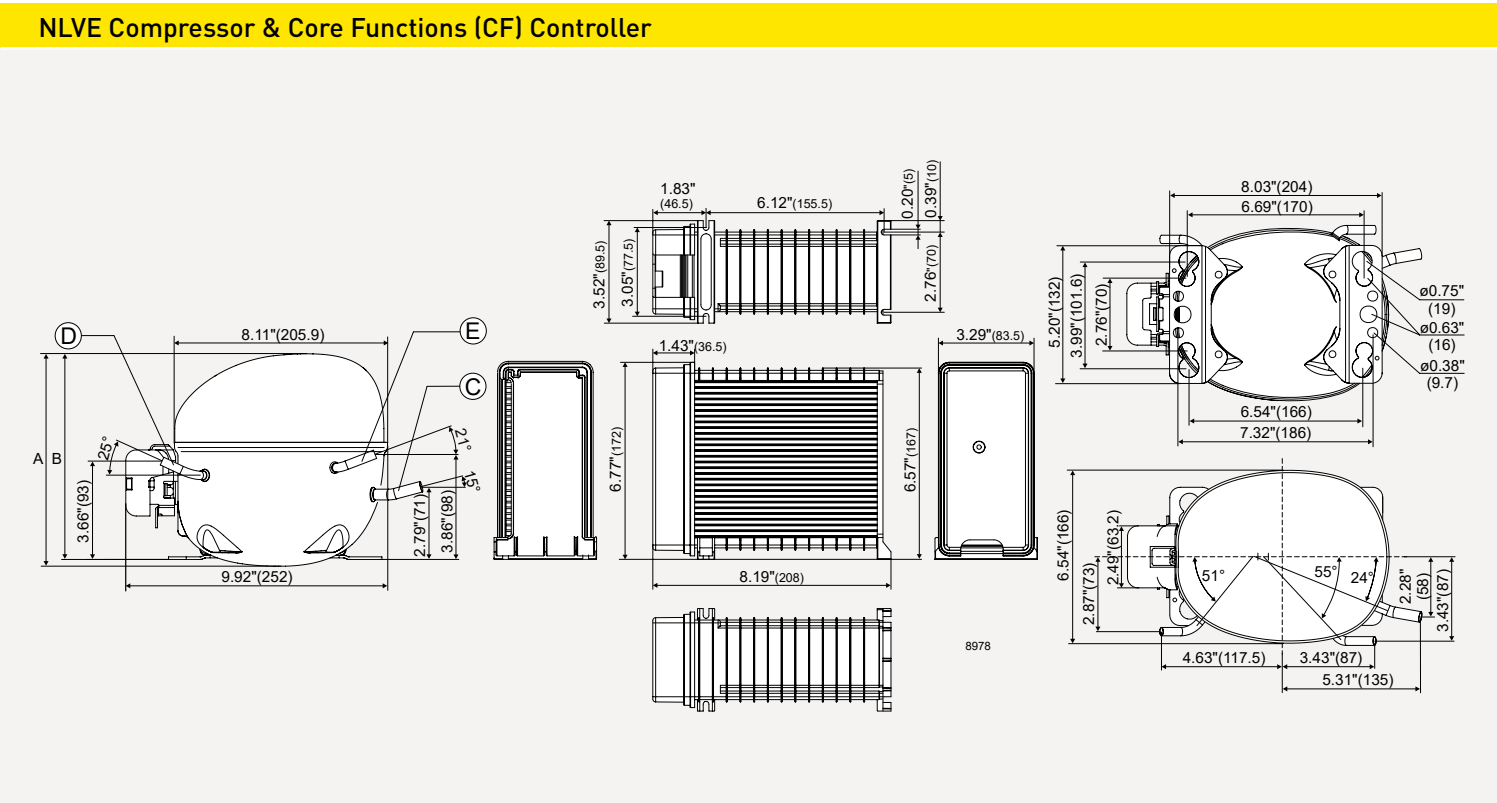
Core Functions (CF) Controllers	
Compressor	NLV 105N4120 Standard
	Nominal voltage range: 220-240 V, 50/60 Hz
	Inputs: Thermostat, defrost, frequency signal, serial
NLV8.0CN	✓
NLV10CN	✓
NLV12.6CN	✓



NLVE-CN · CF · R290 · UL Recognized (inch connectors)																	
Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement	Power	Compressor Cooling (refer to data sheet)
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
NLVE13CN 2000 rpm	105H7374	L/MBP	816	1382	2130	2588	3703	–	1493	6.05	2622	7.68	–	–	0.77	3/8	F2
NLVE13CN 4500 rpm	105H7374	L/MBP	1801	3067	4706	5701	8118	–	3311	5.79	5765	7.01	–	–	0.77	1	F2

ARI Capacity [BTU/h] Tc=120°F, Tliq=120°F, Tsuc=40°F Evaporating temperature [°F]							ARI						Dimensions					Connection	
							LBP rating point -10°F / 120°F		MBP rating point 20°F / 120°F		HBP rating point 45°F / 120°F		Height [inch]		Connectors location/I.D. [inch]			Cord relief	Cover
							Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER	A (I.D.)	B (I.D.)	Suction	Process	Discharge		
-30	-20	5	10	32	50		[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			C (I.D.)	D (I.D.)	E (I.D.)		
697	929	1691	1879	2871	–		1200	5.06	2296	7.18	–	–	8.0	7.8	0.32	0.26	0.26	103N1004	103N2008
1545	2062	3727	4136	6285	–		2658	4.82	5040	6.41	–	–	8.0	7.8	0.32	0.26	0.26	103N1004	103N2008

Core Functions (CF) Controllers	
Compressor	NLVE 105N4100 Standard US GFCI-Conformity
	Nominal voltage range: 115-127 V, 50/60 Hz
	Inputs: Thermostat, defrost, frequency signal, serial
NLVE13CN	✓



SLVE-CN · MP · R290 (metric connectors)

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]							ASHRAE						Displacement	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	Cooling capacity	COP		
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]		
SLVE18CN 2200 rpm	104H8846	L/MBP	353	964	1427	1708	2384	–	666	1.73	1199	2.21	1947	3.08	17.69	F2	
SLVE18CN 4500 rpm	104H8846	L/MBP	631	1726	2554	3057	4268	–	1192	1.67	2146	2.14	3485	2.98	17.69	F2	

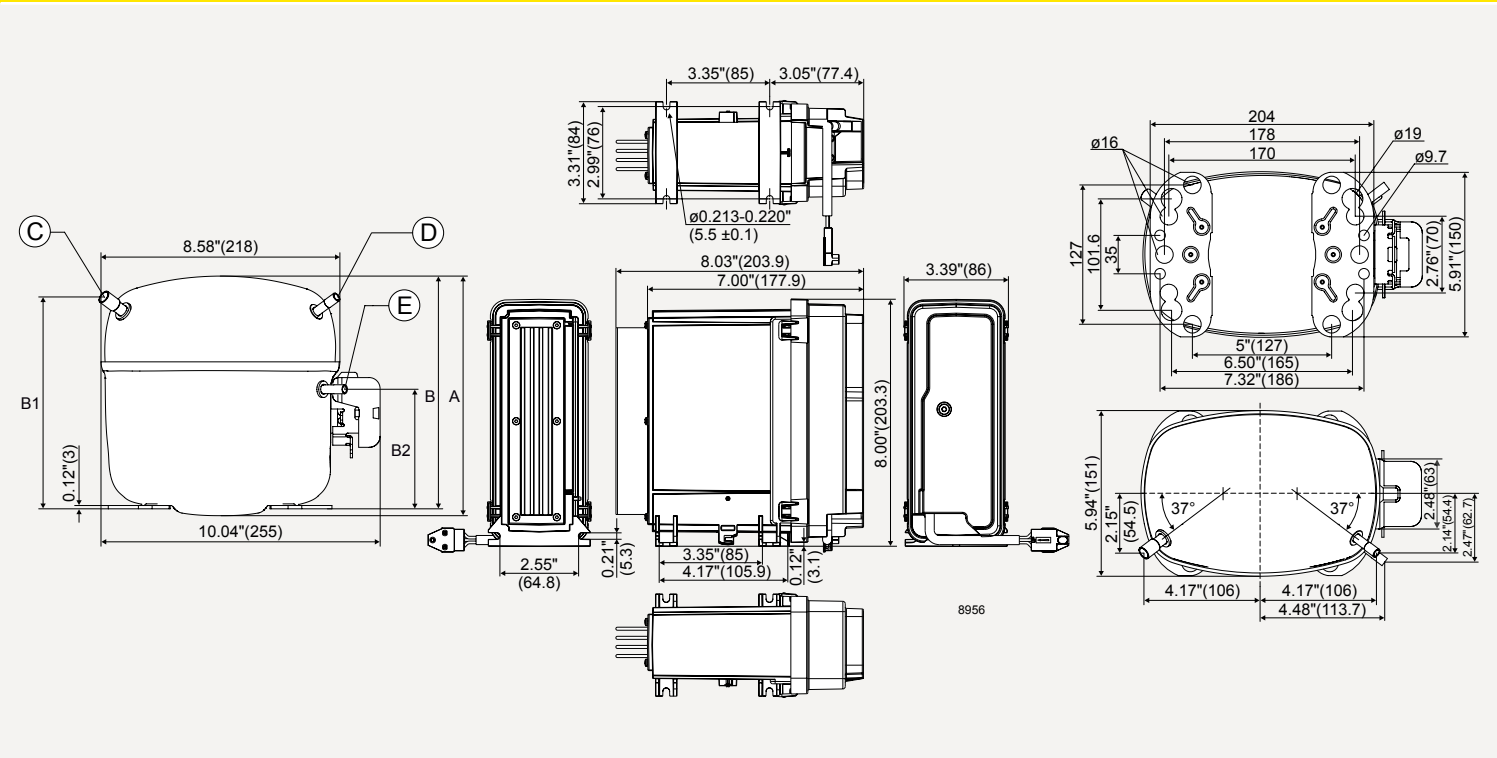
SLVE-CN · MP · R290 (inch connectors)

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement	Power	Compressor Cooling (refer to data sheet)
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
SLVE18CN 2200 rpm	104H8845	L/MBP	1203	2094	3291	4029	5831	8140	2270	5.90	4099	7.55	6653	10.51	1.08	3/4	F2
SLVE18CN 4500 rpm	104H8845	L/MBP	2154	3749	5892	7212	10438	14572	4064	5.69	7337	7.30	11909	10.18	1.08	1 1/4	F2

Multi Purpose (MP) Controllers

Compressor	SLVE 105N4932 Multi Voltage, PFC US GFCI-Conformity
	Nominal voltage range: 100-240 V, 50/60 Hz
	Inputs: Thermostat, defrost, frequency signal, serial, 2 relays
SLVE18CN	✓

SLVE Compressor & Multi Purpose (MP) Controller



CECOMAF Capacity [W] Tc=55°C, Tliq=55°C, Tsuc=32°C Evaporating temperature [°C]						CECOMAF						Dimensions					Connection	
						LBP rating point -25°C / 55°C		MBP rating point -10°C / 55°C		HBP rating point 5°C / 55°C		Height [mm]		Connectors location/I.D. [mm]			Cord relief req. for US GFCI	Cover
						Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP	A (I.D.)	B (I.D.)	Suction	Process	Discharge		
-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]					C (I.D.)	D (I.D.)	E (I.D.)
285	780	1152	1377	1916	–	497	1.34	954	1.85	1631	2.6	219	213	10.20	6.20	6.20	103N1004	103N2008
510	1396	2063	2466	3430	–	889	1.29	1708	1.79	2920	2.51	219	213	10.20	6.20	6.20	103N1004	103N2008

ARI Capacity [BTU/h] Tc=120°F, Tliq=120°F, Tsuc=40°F Evaporating temperature [°F]]						ARI						Dimensions					Connection	
						LBP rating point -10°F / 120°F		MBP rating point 20°F / 120°F		HBP rating point 45°F / 120°F		Height [inch]		Connectors location/I.D. [inch]			Cord relief	Cover
-30	-20	5	10	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER	A (I.D.)	B (I.D.)	Suction	Process	Discharge		
						[BTU/h]	[BTU/W]	[BTU/h]	[BTU/W]	[BTU/h]	[BTU/W]			C (I.D.)	D (I.D.)	E (I.D.)		
1041	1406	2626	2930	4541	6230	1837	4.96	3606	7.09	5722	10.00	8.6	8.4	0.38	0.26	0.26	103N1004	103N2008
1864	2517	4701	5246	8129	11152	3289	4.79	6456	6.86	10242	9.67	8.6	8.4	0.38	0.26	0.26	103N1004	103N2008

NLV – electronic unit 105N4910 (220-240 V, 50/60 Hz)

NLV – electronic unit 105N4960 (100-240 V, 50/60 Hz)

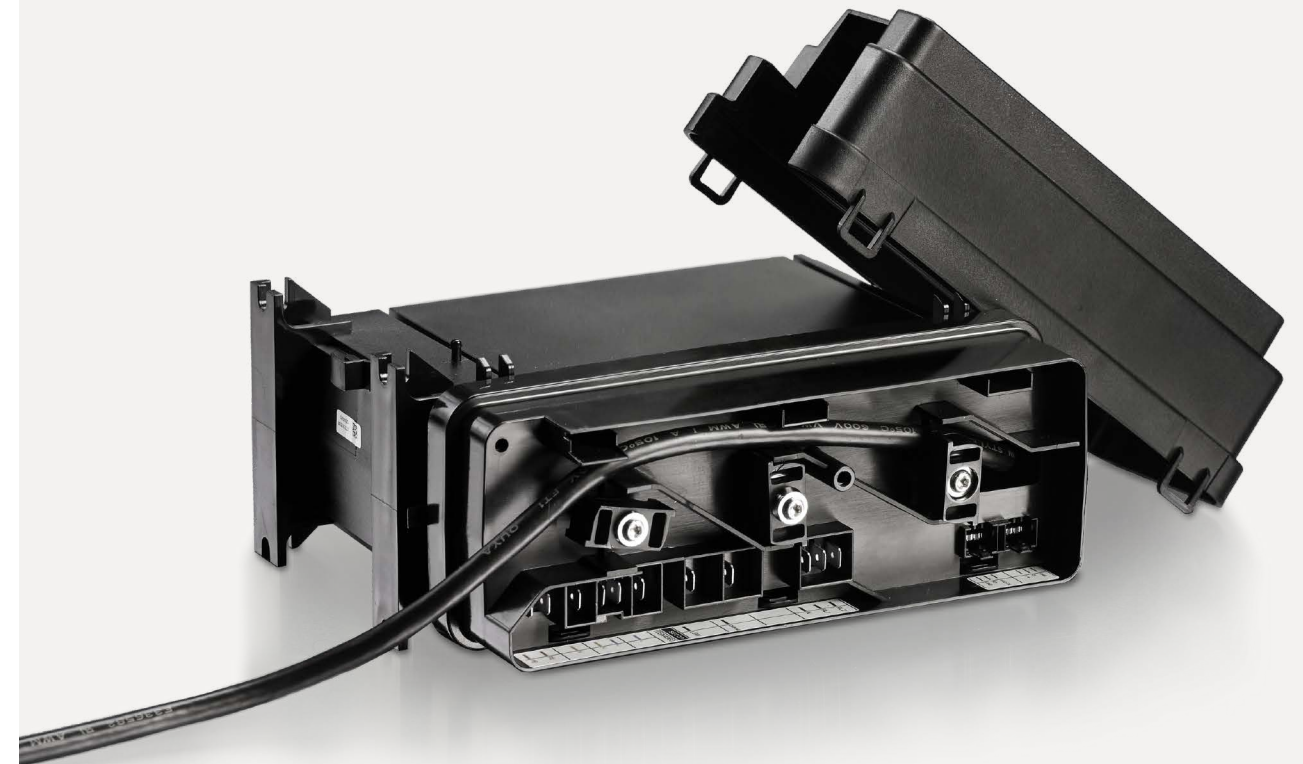
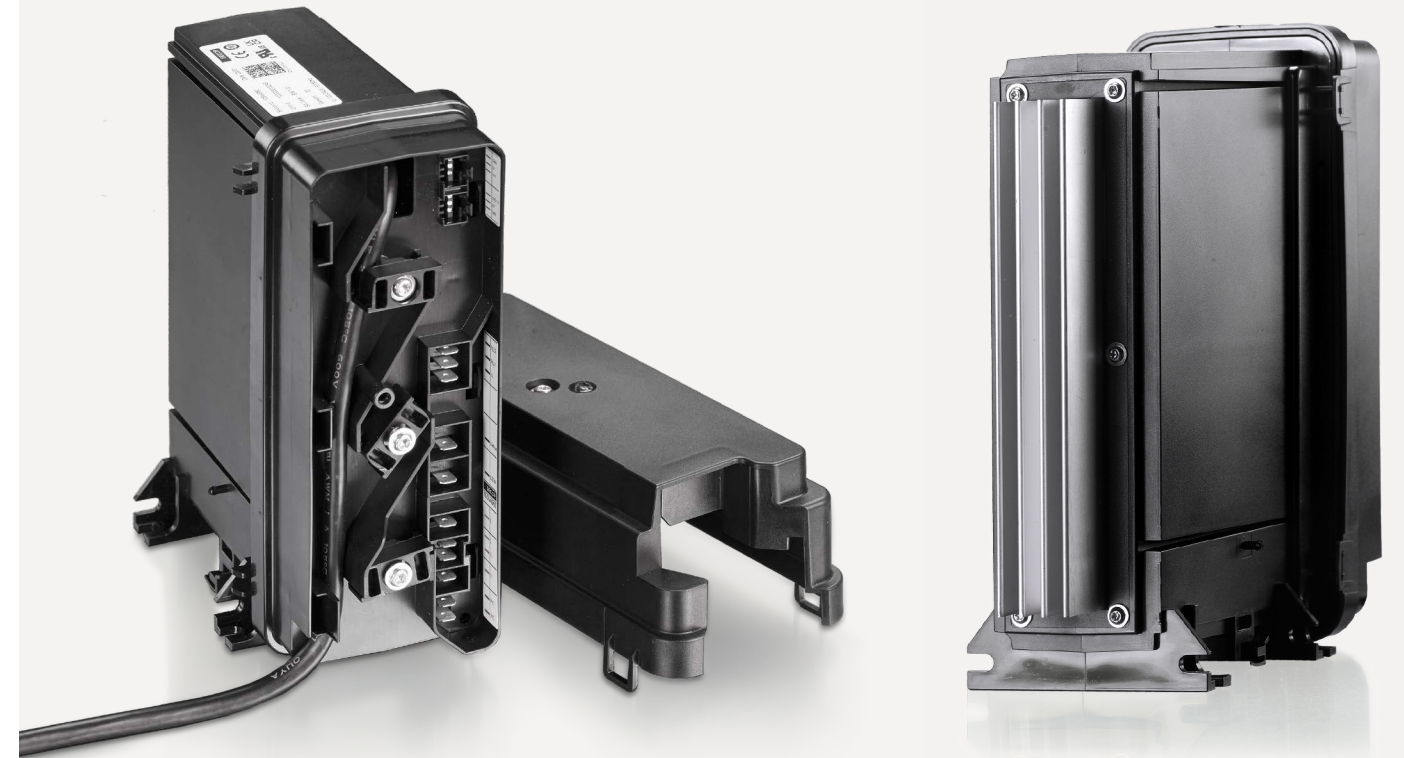
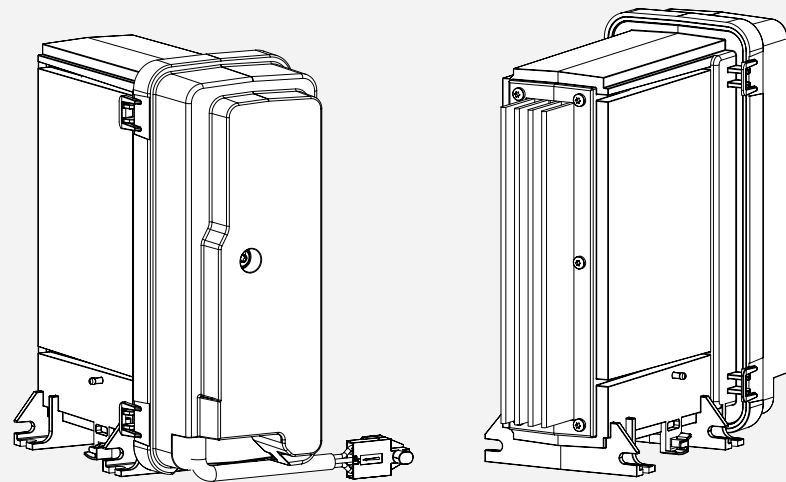
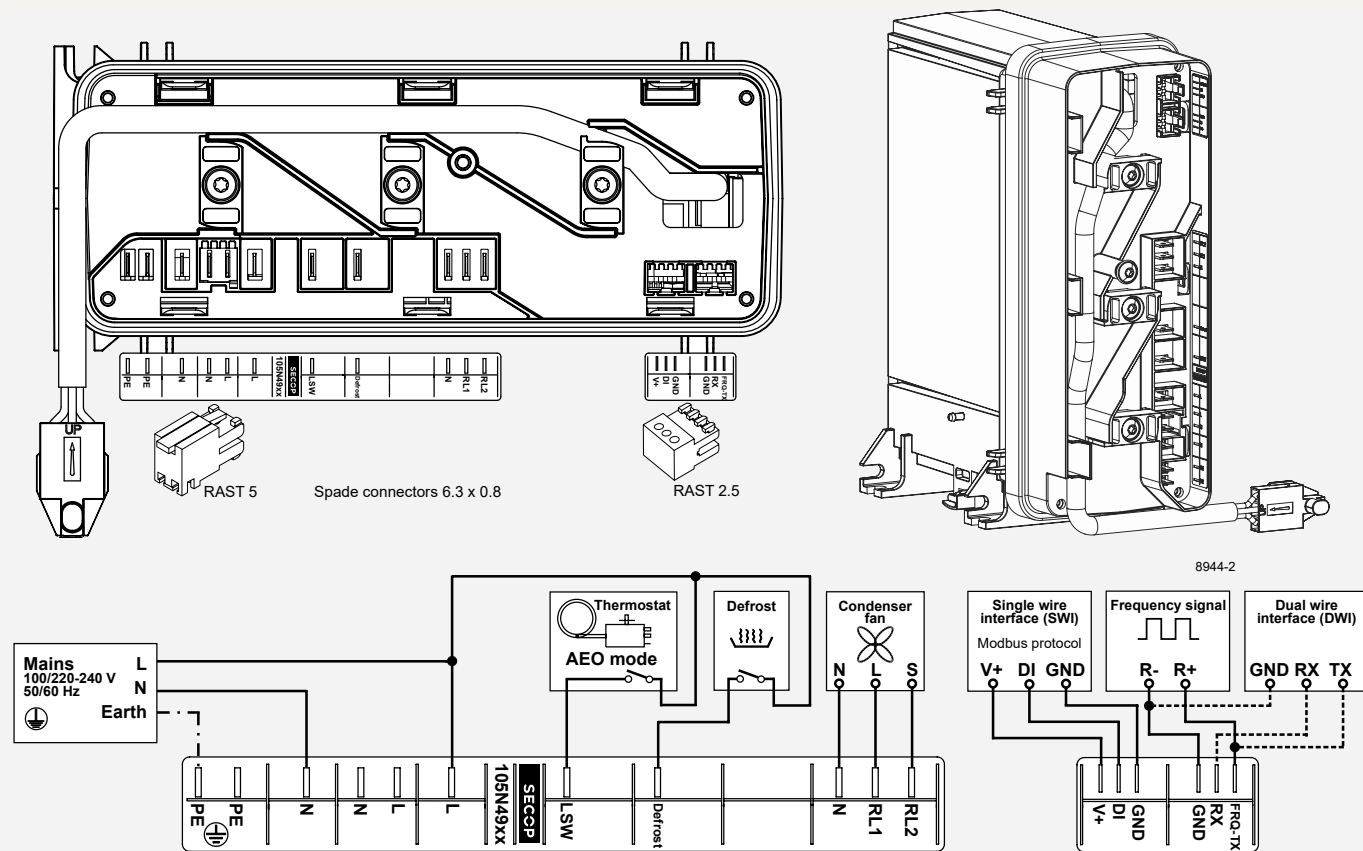
NLV – electronic unit 105N4962/72 (100-240 V, 50/60 Hz, US GFCI-Conformity)

NLV – electronic unit 105N4964 (100-240 V, 50/60 Hz)

NLV – electronic unit 105N4966 (100-240 V, 50/60 Hz, US GFCI-Conformity)

SLVE – electronic unit 105N4932 (100-240 V, 50/60 Hz, US GFCI-Conformity)

- IP protection class: **IP54**
- PFC = power factor correction according to EN 61000-3-2:2014
- Customization via Tool4Cool®



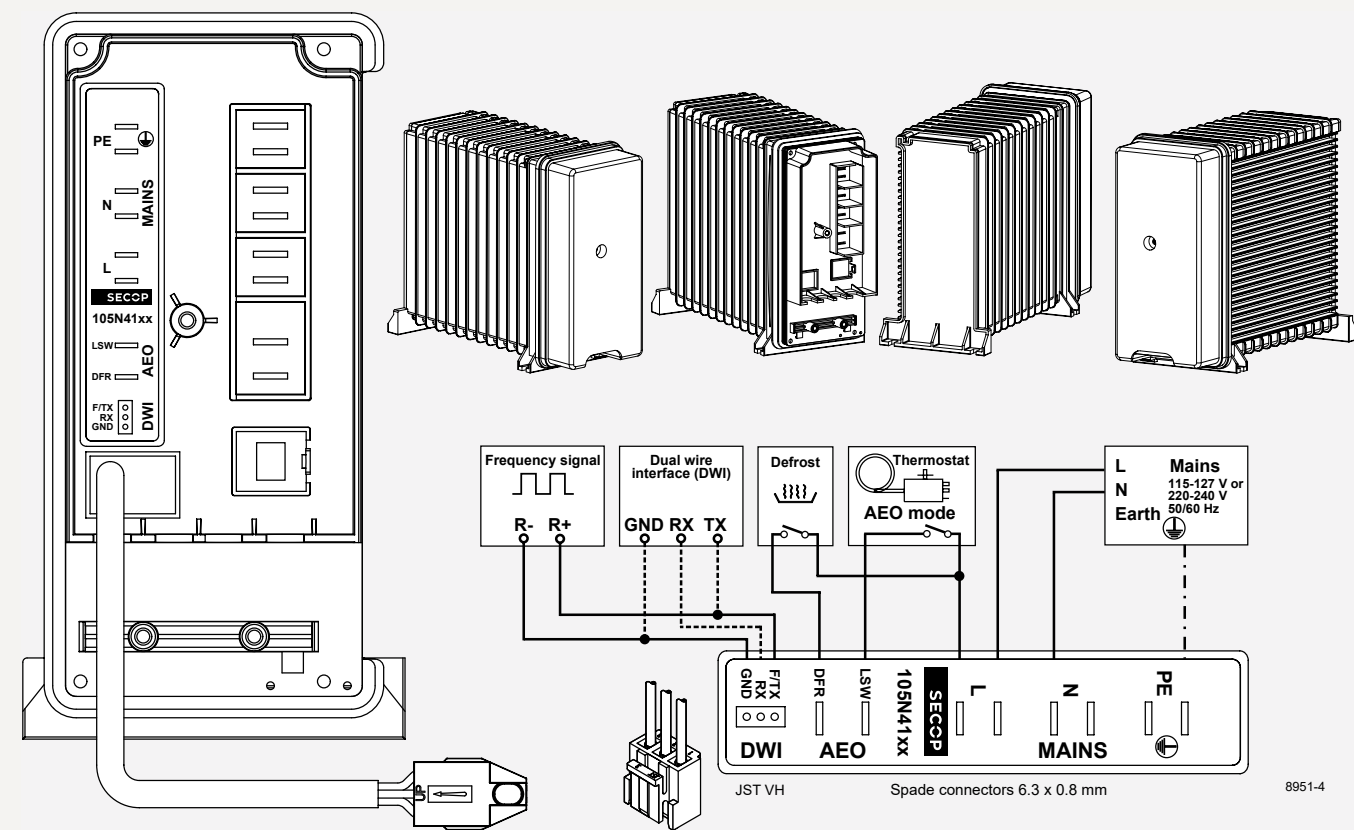
- IP protection class: **IP43**
- PFC = power factor correction according to EN 61000-3-2:2014
- Customization via Tool4Cool®



NLV – electronic unit 105N4100 (115-127 V, 50/60 Hz, US GFCI-Conformity)

• IP protection class: IP31

NLV – electronic unit 105N4120 (220-240 V, 50/60 Hz)



VARIABLE-SPEED CF, MP AND XT
CONTROLLERS (ELECTRONIC UNITS)

Operating at full capacity is extremely rare in most cooling applications, restricted to a just few days per year. That is why Secop has built variable-speed control into the NLV/E and SLVE compressor series. This unique technology makes capacity automatically adapt to your current requirement. The compressor runs at low speed most of the time, thus minimizing energy consumption. System efficiency is also greatly improved thanks to reduced loss when less heat is transferred via the evaporator and condenser. Overall, this equates to substantial energy savings.

Tool4Cool® is a unique PC software tool that enables you to precisely configure your Secop variable-speed compressors with MP and XT controllers to your cooling systems.

The variable-speed compressor motors are electronically controlled. Starting the compressor without a complete electronic unit is not necessary, as specified in the data sheet for the compressor type in use. Secop's electronic units have built-in overload and thermal protection. When activated, the electronic unit protects the compressor motor and itself. The electronic unit also automatically restarts the compressor after a specified time. It provides the compressor with high starting torque (HST) so that system pressure does not need to be equalized before start. The compressors are equipped with permanent magnet rotors (PM motor) and three identical stator windings. The electronic unit (attached or detached) controls the PM motor.

Connecting the motor to AC power, by fault, will damage the magnets and lead to a system that runs either at drastically reduced efficiency or even not at all.

For more information on which starting device to use on individual compressors, please refer to the respective data sheets (some compressors have limitations for either LST or HST). and to our "Operating Instructions" and "Instructions". The compressor application must factor in power supply from an electrical circuit with the appropriate fuse or circuit breaker. In addition, the use of a GFCI (Ground Fault Circuit Interrupter) or RCD (Residual Current Device) is recommended.

FLAMMABLE REFRIGERANT
R290 (PROPANE)



R290 (propane) is a hydrocarbon. 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.

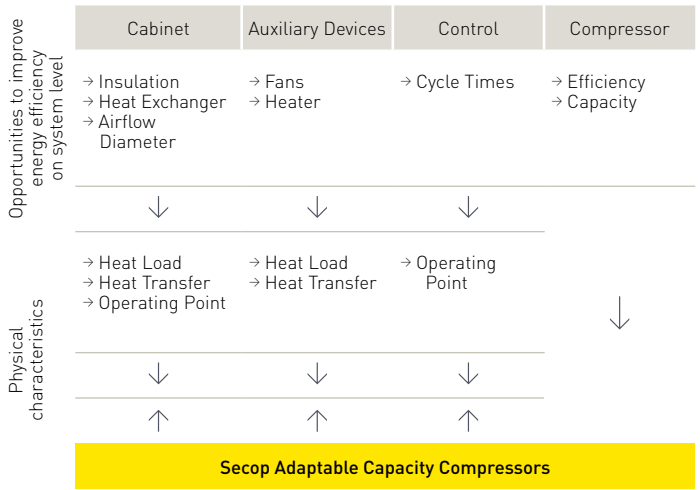
Do not use the refrigerant R290 near an open fire near. The refrigeration systems must be opened with a tube cutter.

To properly perform maintenance and repair work on R290 systems, service staff must be properly trained in handling flammable refrigerants. 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.

Secop compressors that use flammable refrigerant R290 are equipped with a yellow warning label as shown.

WHY CHOOSE VARIABLE-SPEED
COMPRESSORS?

In general, a variable-speed drive compressor offers engineers far more options when it comes to building electronic systems and products. Altering the settings for each individual device built will result in efficiency gains that benefit both the business and customer, i.e. the initial investment might be slightly higher when using a compressor with an inverter, but the operating costs and therefore the total cost of ownership will be significantly lower. The return on investment is extremely quick especially in high priced energy markets.



Advantages of adaptable capacity

- Improved system efficiency thanks to higher t_0 and lower t_c — up to 40% energy savings
- Dynamic speed range from 1:4
- Adjustable cooling capacity for actual system demand
- Smaller compressor in terms of displacement and size
- Lower noise emission thanks to low speed — up to 5 dB(A)
- Released for rough applications, unstable power supply, and tropical regions
- Bi-frequency at 115-127V, 100-240V, and 220-240V with 50/60 Hz
- R290 models for commercial applications (LBP/MBP)
- High starting torque (HST) — no pressure equalization required to start compressor

Same compressor type for different markets!

Conclusion: The most important advantage of adaptable capacity is reduced energy consumption, which can be achieved in different ways.

The easiest, most efficient, and cheapest way to reach this target is to use adaptable capacity compressors.

General: Secop adaptable capacity compressors enable users to adjust the refrigeration capacity according to the desired need by controlling the motor speed of the compressor and therefore the cycle times of the piston. The compressors have been highly optimized to offer excellent motor and mechanical efficiency. Tests have shown improvements in energy consumption of up to 40%, depending on the system design. The average noise level can be reduced by up to 5 dB(A). The compressors are small in volume which allows space for greater net volume for usage.

Targets: The aim of all refrigeration appliance design is to define and optimize the essential functions such as: minimal cost, high performance, and high efficiency, minimized compressor size to enable larger internal cabinet volume, low noise levels and stabilized cabinet temperature at different operation capacities.

TOOL4COOL®
FLEXIBLE CONTROL SETTINGS

Optimum control and monitoring

Tool4Cool® is a unique PC software tool that enables you to precisely configure Secop variable-speed drive compressors (inverter) to your cooling systems. In addition to using Tool4Cool® to customise and optimize settings during development, it can also be used for remote control and monitoring of refrigeration circuit during operation.

Tool4Cool® retrieves and sends information to all controllers in the refrigeration system, including settings, temperature, and speed. This lets operators control and monitor their systems from a central station. With Tool4Cool®, service departments have a constant overview of cooling systems and can perform any trouble-shooting remotely. Technicians only need to visit the site if a component needs to be replaced, for example.

Software installation

Visit and download our Tool4Cool® page
www.secop.com/tool4cool

Standalone system

- Optimize operation during development
- Alarm and event log readout
- Logging during development
- Download settings on the production line

Network system

- Easy monitoring and optimization
- Alarm log and event log
- Easy service

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	NLV/E	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	NLV/E	I
Bolt joint	118-1958	M6 metric	16 mm	Single pack for one compressor	SLVE	II
Bolt joint	118-1961	M6 metric	16 mm	Industrial pack in any quantity	SLVE	II

Bolt joint	118-1946	1/4 inch	16 mm	Single pack for one compressor	NLV/E	III
Bolt joint	118-1949	1/4 inch	19 mm	Single pack for one compressor	all with 19 mm base holes	IV

Snap-on	118-1947	Ø 7.3 mm	16 mm	Single pack for one compressor	NLV/E	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	NLV/E	V
Snap-on	118-1962	Ø 7.3 mm	16 mm	Industrial pack in any quantity	SLVE	VI

Parts list (4 pcs. per compressor needed)			Symbol drawings	
I	Sleeve Ø 8 mm x 6.4 mm x 0.8 mm	112-2052		Bolt joint mounting
	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 8 mm x 6.4 mm x 0.8 mm	112-2052		Bolt joint mounting
	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	118-3670		
III	Sleeve Ø 8.3 mm x 6.7 mm x 0.8 mm	112-2088		Bolt joint mounting
	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		Bolt joint mounting
	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		Snap-on mounting
	Washer Ø 21 x Ø 8.1 mm x 0.9 mm	118-3588		
	Clip	118-3585		
	Rubber Grommet 16 mm	118-3661		
VI	Steel pin	118-3586		Snap-on mounting
	Washer Ø 21 x Ø 8.1 mm x 0.9 mm	118-3588		
	Clip	118-3585		
	Rubber Grommet 16 mm	118-3670		

HERMETIC COMPRESSORS HC REFRIGERANTS



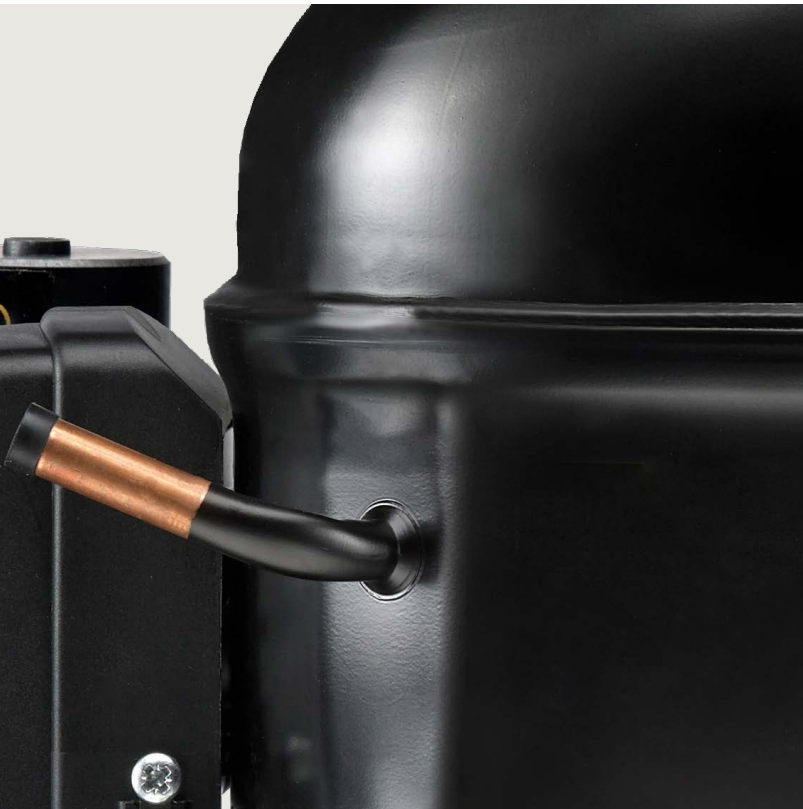
International System of Units

R290
R600a

220–240 V · 50 Hz
200–240 V · 50 Hz
208–230 V · 60 Hz
220–240 V · 50/60 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	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				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[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	Process	Dis- charge E (I.D.)		Spades		Spades		Spades	Spades		Spades		Spades		
		C (I.D.)	D (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] 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 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]			
HKK55AA	CD000039	LBP	39	145	224	-	-	-	93	1.71	188	2.29	-	-	5.60	187-264 V, 50 Hz	S
HKK70AA	CD000040	LBP	54	180	276	-	-	-	117	1.74	233	2.26	-	-	6.60	187-264 V, 50 Hz	S
HKK80AA	CD000041	LBP	67	207	316	-	-	-	136	1.77	266	2.29	-	-	8.10	187-264 V, 50 Hz	S
HKK95AA	CD000042	LBP	84	251	376	-	-	-	168	1.80	318	2.28	-	-	9.60	187-264 V, 50 Hz	S
HKK12AA	CD000043	LBP	100	291	428	-	-	-	199	1.80	363	2.25	-	-	11.20	187-264 V, 50 Hz	S
HMK80AA	CD000165	LBP	67	206	314	-	-	-	136	1.50	265	1.99	-	-	8.10	187-264 V, 50 Hz	S
HMK95AA	CD000164	LBP	81	252	381	-	-	-	167	1.53	322	2.01	-	-	9.60	187-264 V, 50 Hz	S
HMK12AA	CD000163	LBP	99	291	425	-	-	-	198	1.53	361	1.93	-	-	11.20	187-264 V, 50 Hz	S
HTK55AA	CD000034	LBP	39	146	225	-	-	-	93	1.55	190	2.12	-	-	5.60	187-264 V, 50 Hz	S
HTK70AA	CD000035	LBP	53	181	267	-	-	-	117	1.61	227	2.29	-	-	6.60	187-264 V, 50 Hz	S
HTK80AA	CD000036	LBP	67	207	316	-	-	-	136	1.61	266	2.19	-	-	8.10	187-264 V, 50 Hz	S
HTK95AA	CD000037	LBP	86	251	382	-	-	-	167	1.64	322	2.14	-	-	9.60	187-264 V, 50 Hz	S
HTK12AA	CD000038	LBP	99	290	426	-	-	-	198	1.64	361	2.06	-	-	11.20	187-264 V, 50 Hz	S
HXK55AA	CD000045	LBP	44	148	224	-	-	-	97	1.83	189	2.32	-	-	5.60	187-264 V, 50 Hz	S
HXK70AA	CD000110	LBP	57	181	277	-	-	-	118	1.86	233	2.35	-	-	6.64	187-264 V, 50 Hz	S
HXK80AA	CD000096	LBP	71	210	316	-	-	-	140	1.90	267	2.38	-	-	8.10	187-264 V, 50 Hz	S
HXK87AA	CD000103	LBP	79	230	349	-	-	-	154	1.90	294	2.52	-	-	8.80	187-264 V, 50 Hz	S
HXK95AA	CD000085	LBP	89	254	380	-	-	-	171	1.91	321	2.39	-	-	9.60	187-264 V, 50 Hz	S
HXK12AA	CD000095	LBP	100	295	434	-	-	-	200	1.90	368	2.37	-	-	11.10	187-264 V, 50 Hz	S
HZK80AA	CD000094	LBP	71	210	316	-	-	-	140	1.97	267	2.48	-	-	8.10	187-264 V, 50 Hz	S
HZK95AA	CD000078	LBP	85	254	376	-	-	-	171	1.99	319	2.54	-	-	9.60	187-264 V, 50 Hz	S
HZK12AA	CD000077	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

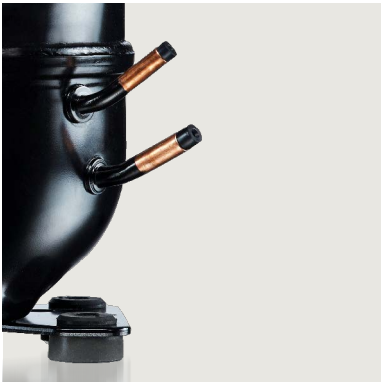
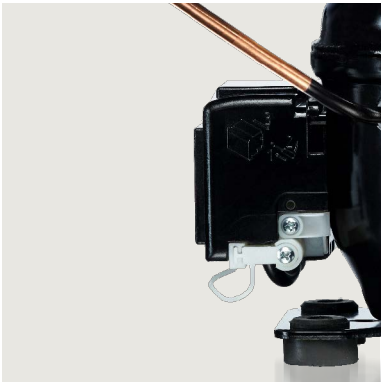
Dimensions						Run capacitor	Terminal board		Terminal board	Cable clamp	Cover	Evaporation tray	All-in-one equipment
Height [mm]		Connectors location [mm]			alt. connectors available	→ optional → compulsory*	→ PTC → external protector		→ ePTC → external protector	screws not included	V0	plastic	→ cover → cable clamp + screws → earthing screw
		Suction	Process	Dis-charge		Spades	Spades		Spades		material optional		
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	-	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 *	ZAFC	DAFC	-	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	ZAFC	DAFC	-	16058100	10636401	162991_	161680_
167	-	6.15	6.00	5.15	X	4 µF	ZAFC	DAFC	-	16058100	10636401	162991_	161680_
167	-	6.15	6.00	5.15	X	4 µF	ZAF9	DAF9	-	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] 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 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]			
HXK70AT	CD000124	LBP	60	178	-	-	-	-	119	1.72	-	-	-	-	6.64	170-264 V, 50 Hz	S
HXK80AT	CD000135	LBP	70	208	-	-	-	-	140	1.75	-	-	-	-	8.10	170-264 V, 50 Hz *	S
HXK87AT	CD000136	LBP	89	229	-	-	-	-	154	1.75	-	-	-	-	8.80	170-264 V, 50 Hz *	S
HXK95AT	CD000137	LBP	76	254	-	-	-	-	174	1.75	-	-	-	-	9.60	170-264 V, 50 Hz *	S
HXK12AT	CD000219	LBP	115	295	-	-	-	-	198	1.73	-	-	-	-	11.12	170-264 V, 50 Hz *	S
HXK13AT	CD000222	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
		Suction	Process	Dis-charge		Spades	Spades		Spades		material optional		
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				
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	ZCFC	DCFC	-	16058100	10636401	162991_	161680_
167	-	6.15	6.00	5.15	X	4 µF	ZCFP	DCFP	-	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, 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				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[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
KLF4.0CND S	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
KLF4.8CND S	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
KLF5.6CND S	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
KLF6.6CND S	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
KLF7.7CND S	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	F2
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

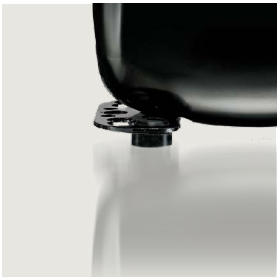
Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)		HST (CSIR & CSCR)			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	refer to data sheet for more info					→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
A	B	Suction C (I.D.)	Process D (I.D.)	Dis-charge E (I.D.)		PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		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	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	1063640
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
182	175	8.2	6.2	6.2	X						117-7191	117-7190	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	–	–	117U7003	117U5015	–	103N1010	103N2010
203	197	8.2	6.2	6.2	–	–	–	–	–	103N0050	–	117-7119	117U7003	117U5015	–	103N1010	103N2010
203	197	8.2	6.2	6.2	X	–	–	–	–	103N0050	–	117-7119	117U7005	117U5015	–	103N1010	103N2010
203	197	8.2	6.2	6.2	X	–	–	–	–	103N0050	–	117-7119	117U7011	117U5015	–	103N1010	103N2010
203	197	8.2	6.2	6.2	–	–	–	–	–	–	117-7111 *	–	117-7425	117U5389	117-7095	103N1010	103N2010
209	203	8.2	6.2	6.2	–						117-7166 *	–	117U7601	117U5353	117U8202	103N1007	117U1038
209	203	8.2	6.2	6.2	X	–	–	–	–	–	117-7166 *	–	117U7601	117U5353	117U8201	103N1007	117U1038
209	203	8.2	6.2	6.2	X	–	–	–	–	–	117-7166 *	–	117U7600	117U5353	117U8200	103N1007	117U1038
209	203	8.2	6.2	6.2	X	–	–	–	–	–	117-7166 *	–	117U7601	117U5353	117U8201	103N1007	117U1038
209	203	8.2	6.2	6.2	X	–	–	–	–	–	117-7166 *	–	117U7601	117U5353	117U8201	103N1007	117U1038
209	203	8.2	6.2	6.2	X	–	–	–	–	–	117-7166 *	–	117U7601	117U5353	117U8201	103N1007	117U1038
209	203	8.2	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5372	117-7025	103N1004	103N2009
209	203	8.2	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5372	117-7025	103N1004	103N2009
209	203	10.2	6.2	6.2	X	–	–	–	–	–	–	–	–	117U5373	117-7031	103N1004	103N2009
209	203	10.2	6.2	6.2	X	–	–	–	–	–	–	–	–	117U5373	117-7052	103N1004	103N2009
209	203	8.2	6.2	6.2	X	–	–	–	–	–	–	–	117U7003	117U5017	–	103N1004	103N2009
209	203	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7005	117U5017	–	103N1004	103N2009
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7011	117U5017	–	103N1004	103N2009
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U7013	117U5012	–	103N1004	103N2009
209	203	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7005	117U5017	–	103N1004	103N2008
219	213	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7019	117U5017	–	103N1004	103N2008
219	213	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7019	117U5017	–	103N1004	103N2008
219	213	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7011	117U5017	–	103N1004	103N2008
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7403	117U5017	–	103N1004	117U1033
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U7405	117U5017	–	103N1004	117U1033
219	213	10.2	6.2	6.2	–	–	–	–	–	–	117-7112 *	–	117-7600	117U5373	117-7806	–	117U1028
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7400	117U5017	–	–	117U1033
219	213	10.2	6.2	6.2	–	–	–	–	–	–	117-7112 *	–	117-7429	117U5373	117-7810	103N1004	117U1033
219	213	10.2	6.2	6.2	–	–	–	–	–	–	117-7112 *	–	117-7600	117U5373	117-7806	103N1004	117U1033
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	117U7405	117U5017	–	103N1004	117U1033
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U7406	117U5017	–	103N1004	117U1033
219	213	10.2	6.2	6.2	–	–	–	–	–	–	117-7112 *	–	117-7425	117U5373	117-7800	–	117U1028
236	231	12.9	6.2	6.2	–	–	–	–	–	–	117-7166 *	–	117U7501	117U5351	117U8101	103N1007	117U1036
236	231	12.9	6.2	6.2	–	–	–	–	–	–	117-7166 *	–	117U7501	117U5351	117U8101	103N1007	117U1036
236	231	12.9	6.2	6.2	–	–	–	–	–	–	117-7166 *	–	117U7500	117U5351	117U8100	103N1007	117U1036
236	231	12.9	6.2	6.2	–	–	–	–	–	–	117-7167 *	–	117U7500	117U5351	117U8100	103N1007	117U1036

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				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[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
SCE21MNIX	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
SCE23MNIX	104H8340	MBP	–	1833	2642	3113	4266	–	1222	1.62	2233	2.08	3495	2.77	23.00	195-254 V, 60 Hz	F2
SCE25MNIX	104H8450	MBP	–	1902	2904	3421	4292	–	1282	1.51	2440	2.05	3649	2.53	25.00	195-254 V, 60 Hz	F2

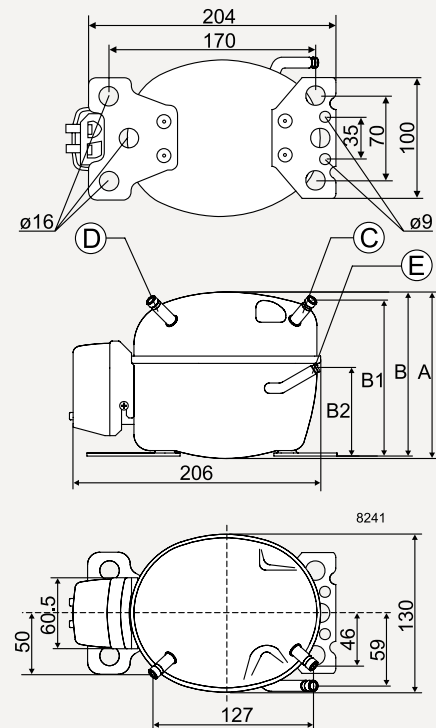
● SCE Plus compressors use a terminal board instead of a starting device

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]			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		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	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

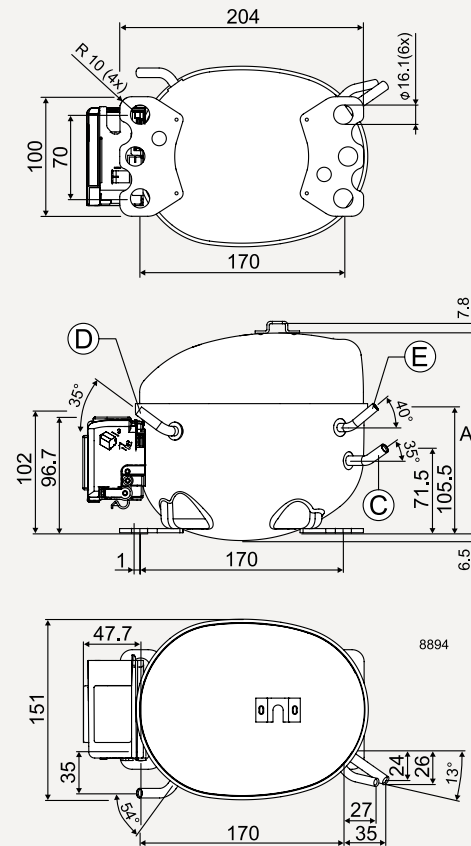


PLE

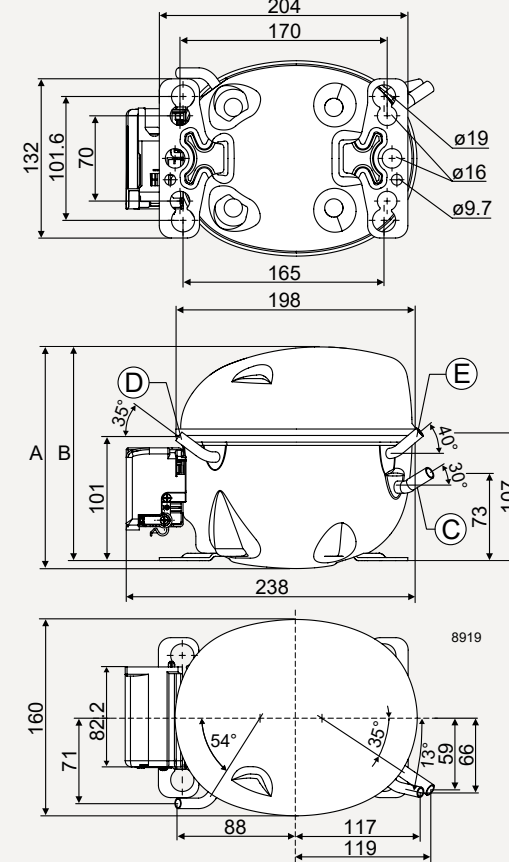


Note:
Please refer to
data sheets for
heights B1 and B2

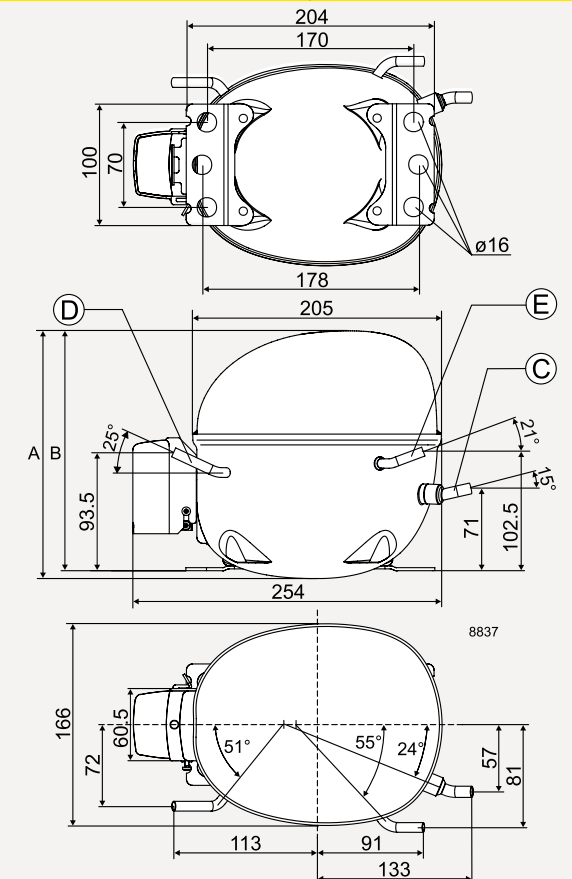
HKK/HMK/HTK/HXK/HZK (K-Series)



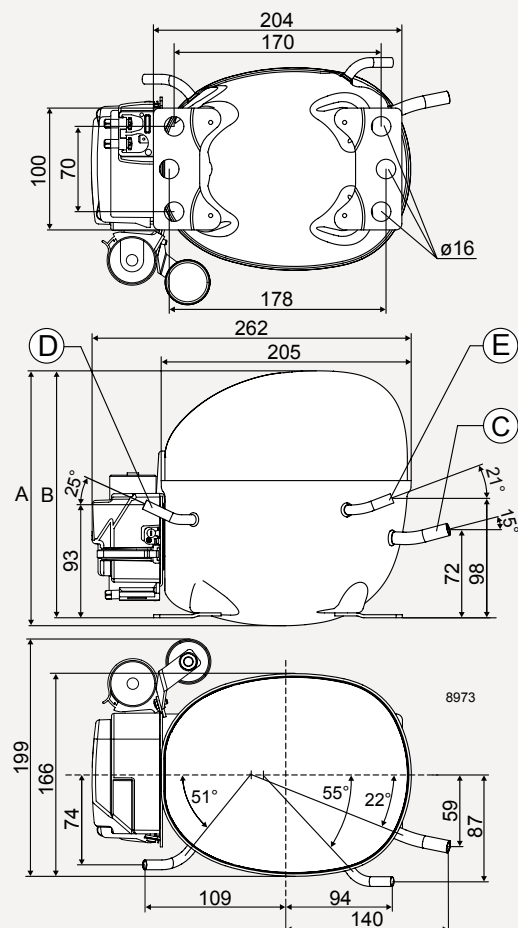
KLF



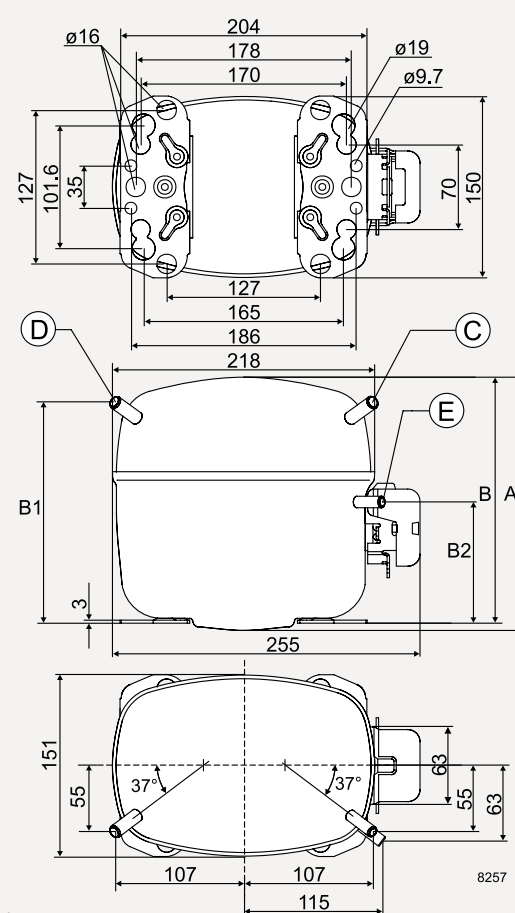
NLE/NLU (R600a compressors are similar)



NLE Plus

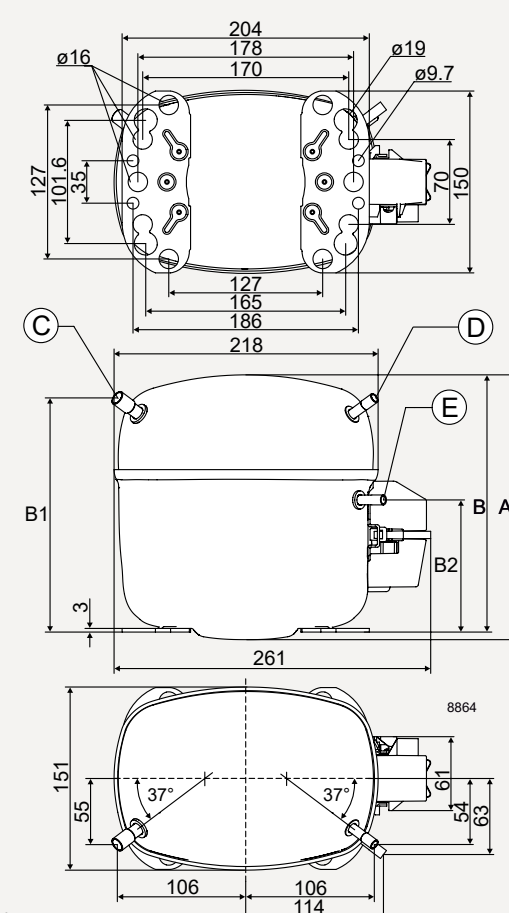


SC



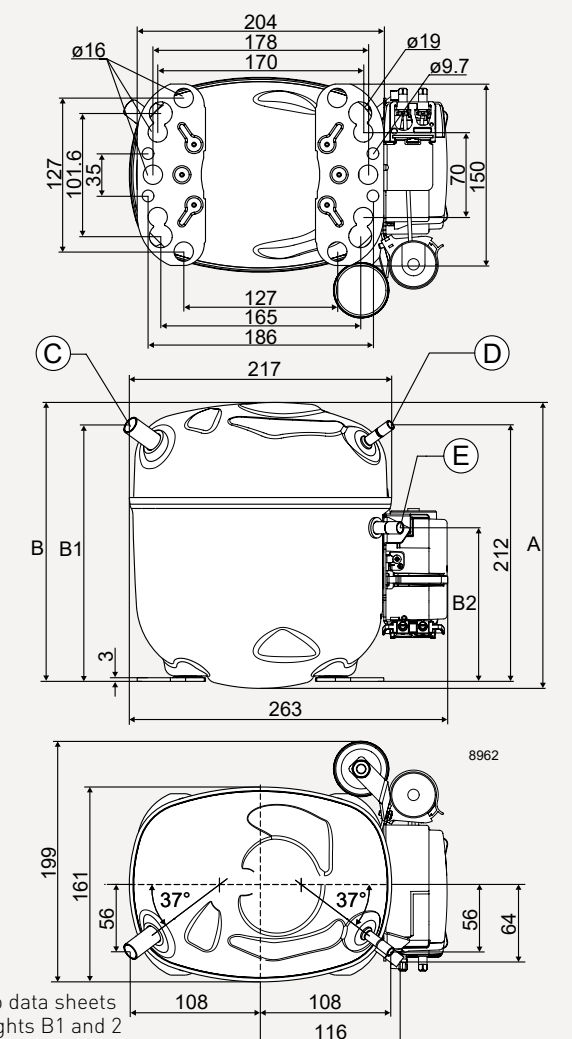
Note:
Please refer to
data sheets for
heights B1 and B2

SCE



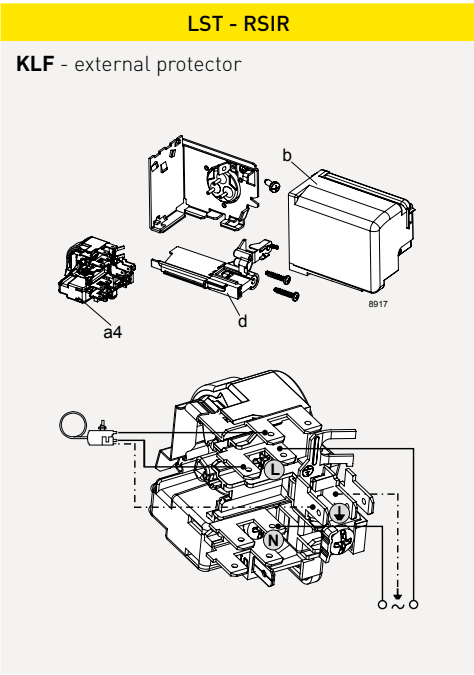
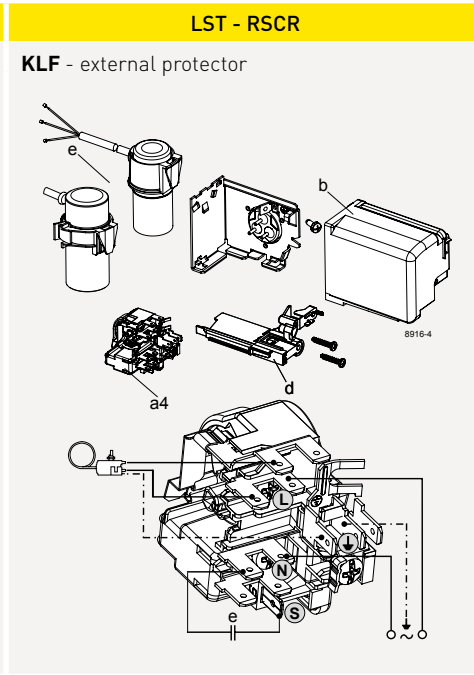
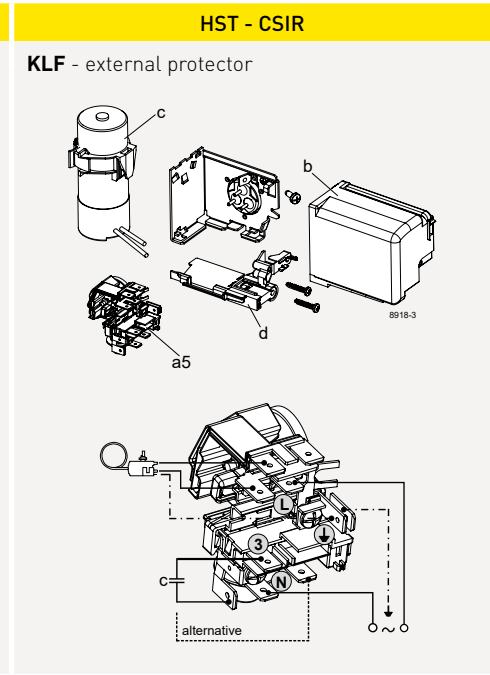
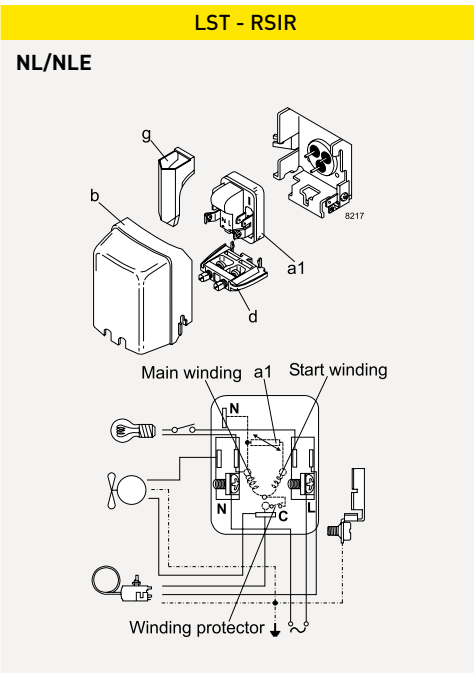
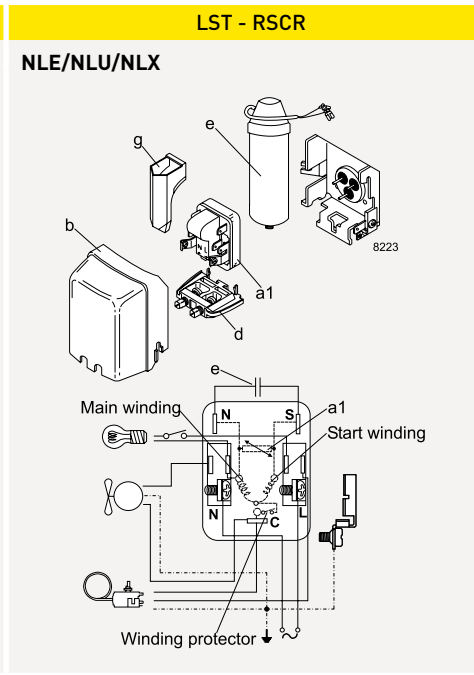
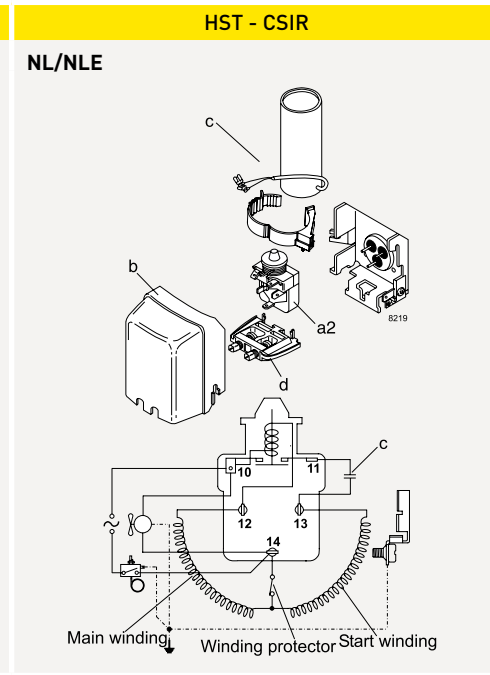
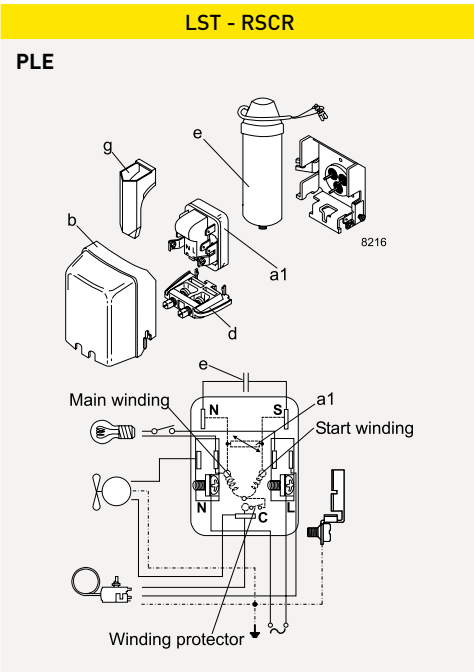
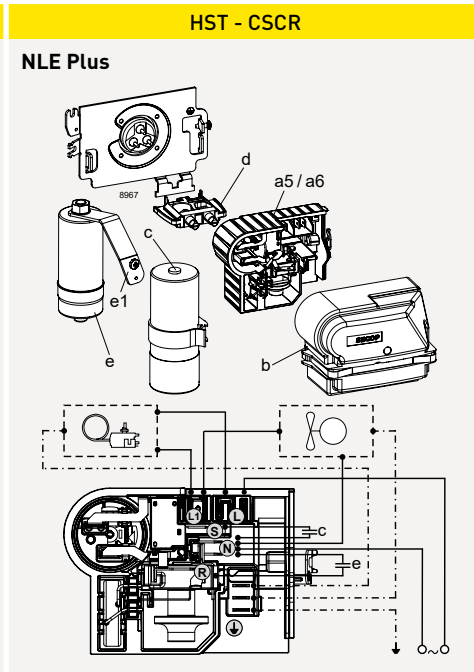
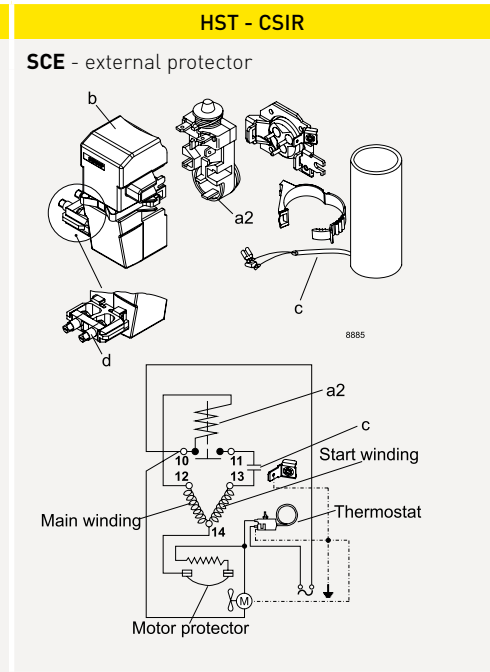
Note:
Please refer to
data sheets for
heights B1 and B2

SCE Plus

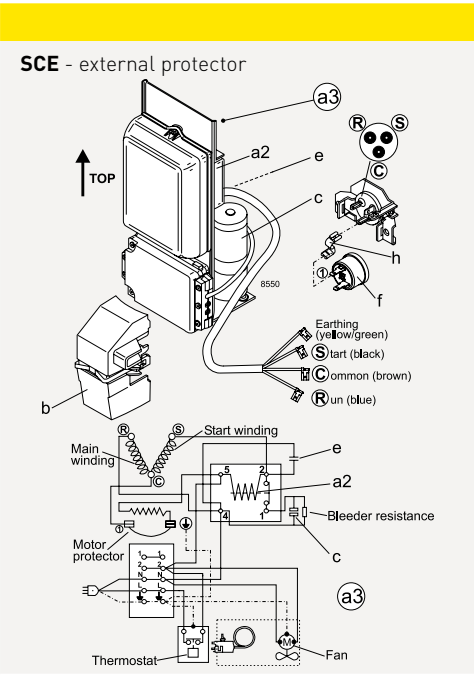
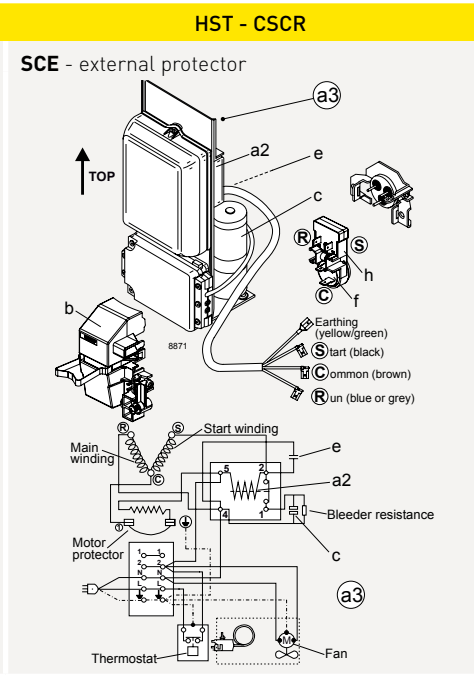
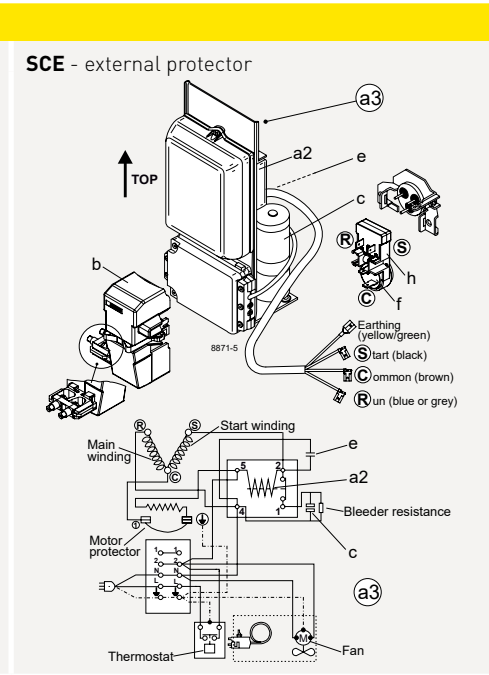
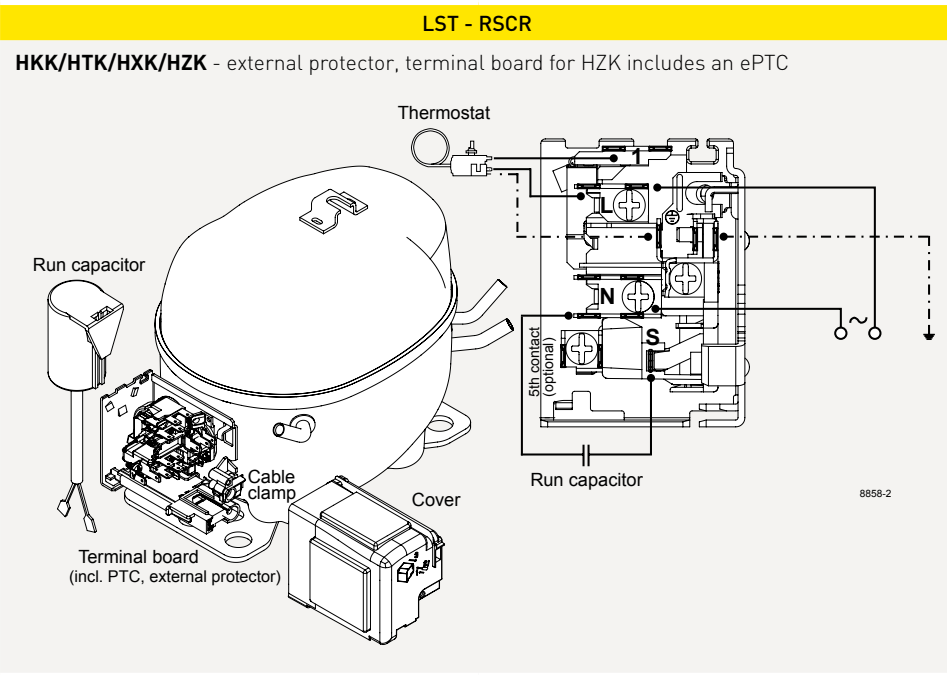
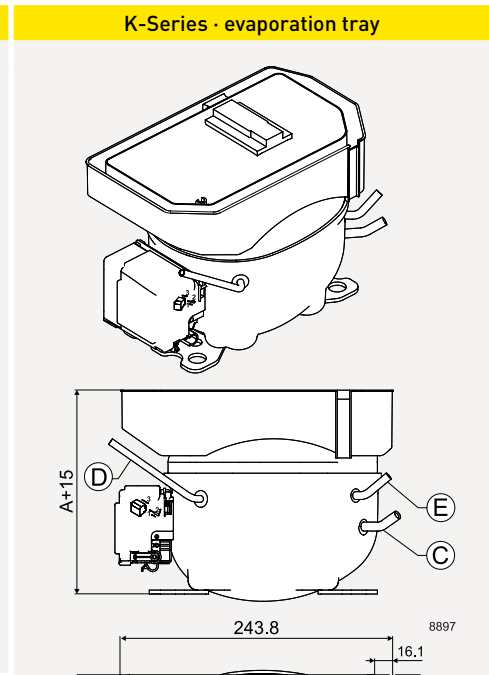
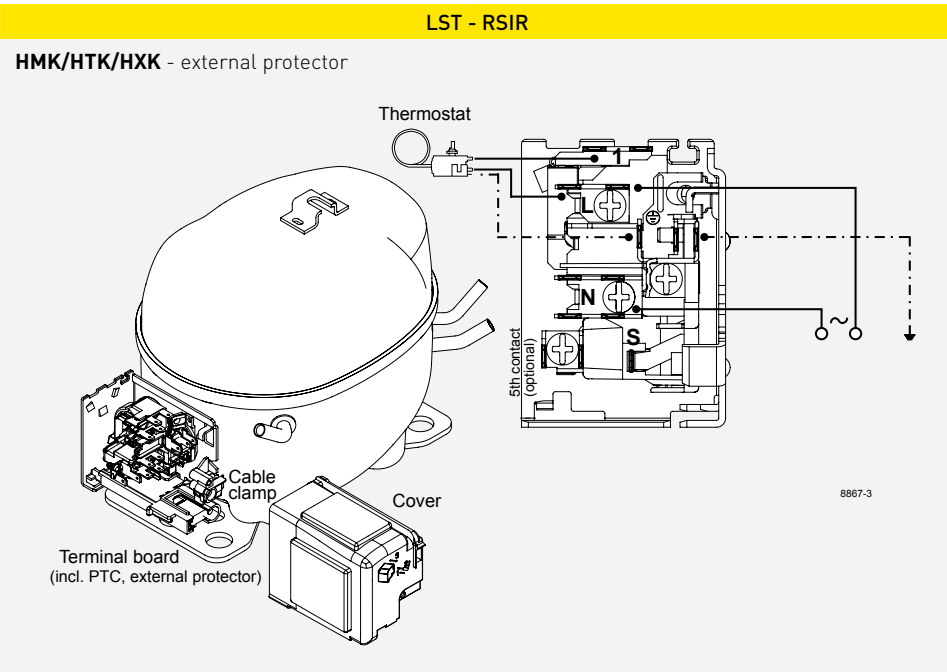
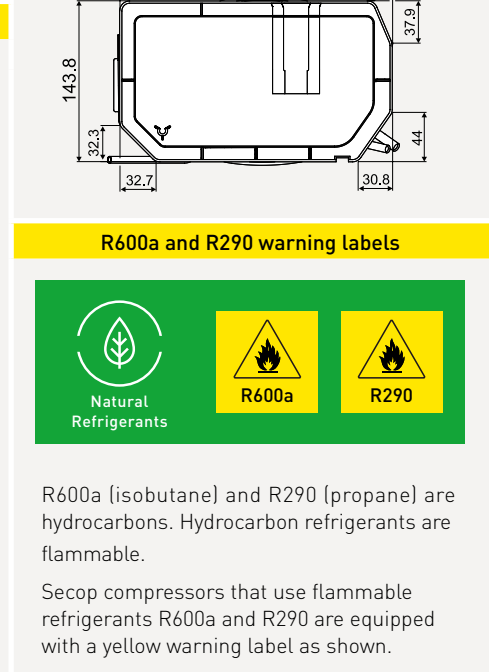


Note:
Please
refer to data sheets
for heights B1 and 2

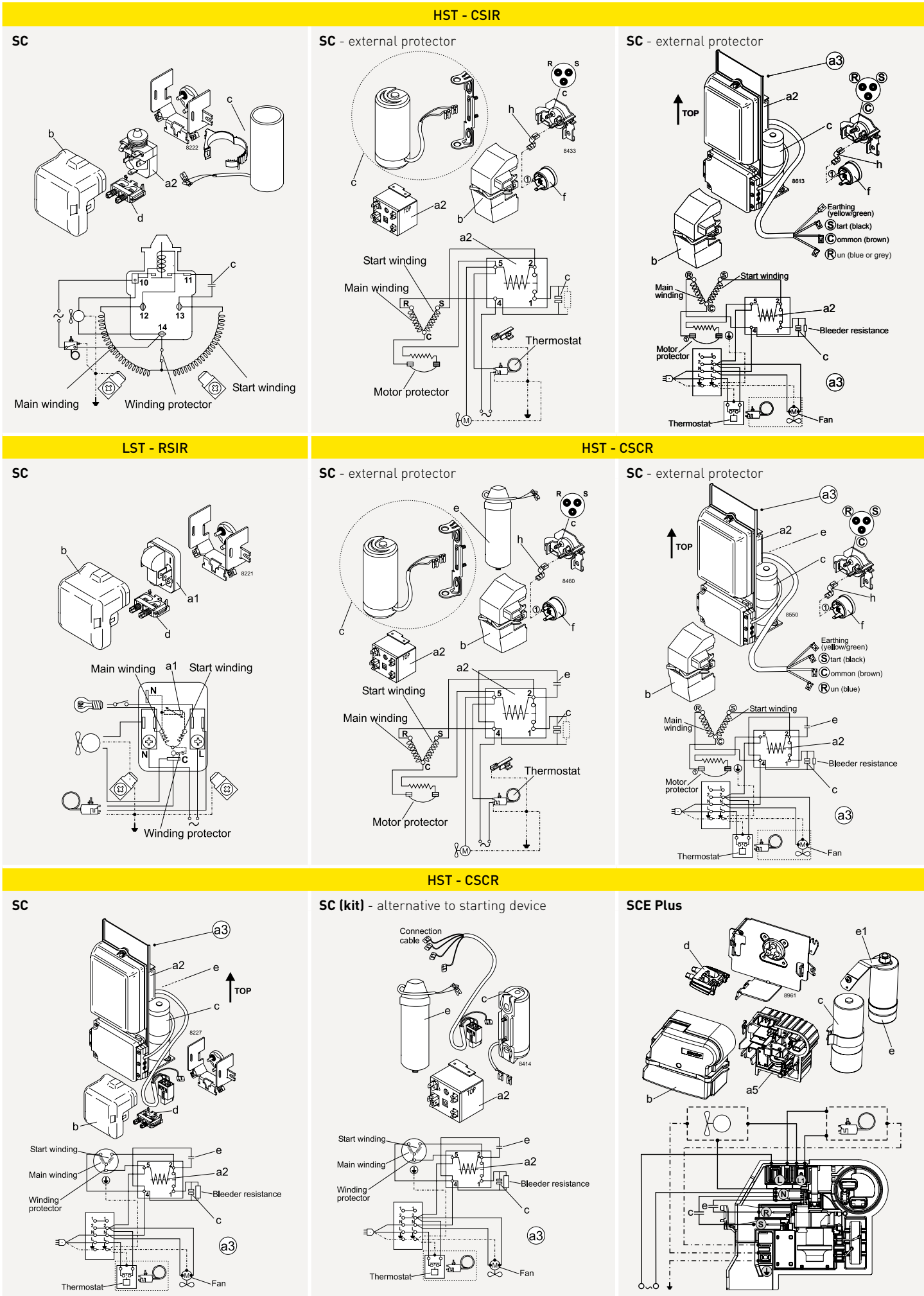
Electrical Equipment · Motor Systems for Secop Compressors

LST - RSIR KLF - external protector 	LST - RSCR KLF - external protector 	HST - CSIR KLF - external protector 
LST - RSIR NL/NLE 	LST - RSCR NLE/NLU/NLX 	HST - CSIR NL/NLE 
LST - RSCR PLE 	HST - CSCR NLE Plus 	HST - CSIR SCE - external protector 

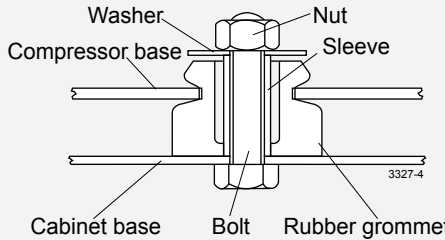
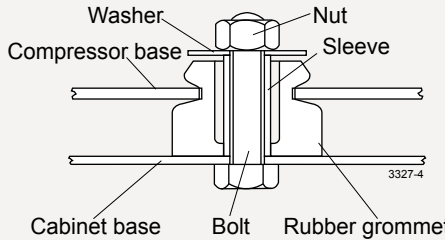
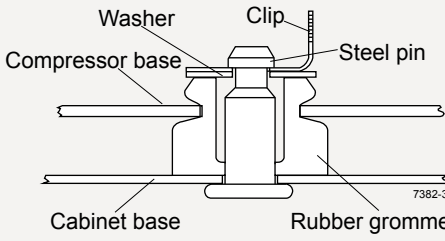
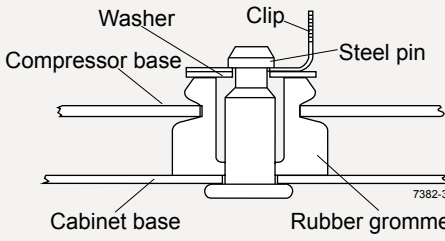
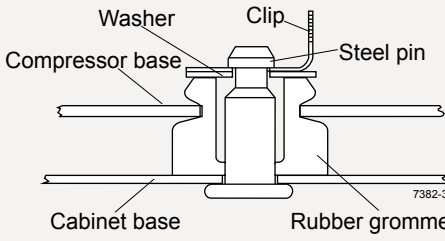
Electrical Equipment · Motor Systems for Secop Compressors

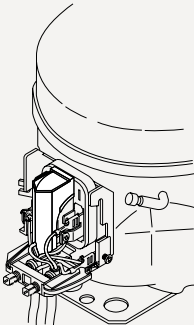
HST - CSCR SCE - external protector 	HST - CSCR SCE - external protector 	HST - CSCR SCE - external protector 
LST - RSCR HKK/HTK/HXK/HZK - external protector, terminal board for HZK includes an ePTC 		K-Series · evaporation tray 
LST - RSIR HMK/HTK/HXK - external protector 		R600a and R290 warning labels 

Electrical Equipment · Motor Systems for Secop Compressors



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	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		
	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		

Further information		Legend
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 CSCR: Capacitor Start Capacitor 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)	a1: PTC or ePTC starting device a2: Starting relay a3: Starting device a4: Terminal board incl. PTC and protector a5: Terminal board incl. relay a6: Terminal board incl. relay and protector b: Cover b1: Clamp (part of compressor) b2: Gasket (part of compressor) c: Starting capacitor d: Cord relief e: Run capacitor e1: Run capacitor holder f: Protector g: Protection screen for PTC h: Holder
Flammable refrigerants R600a and R290 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. Do not use the refrigerants R600a or R290 near an open fire. The refrigeration systems must be opened with a tube cutter. To properly perform maintenance and repair work on R600a or R290 systems, service staff must be properly trained in handling flammable refrigerants. 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.		PTC protection screen  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.

HERMETIC COMPRESSORS HFC REFRIGERANTS



International System of Units

R134a · R513A
R404A · R452A

220–240 V · 50 Hz
200–240 V · 50 Hz
208–230 V · 60 Hz
220–240 V · 50/60 Hz

Compressor [*with oil cooler connector]	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 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]			
PL20F	101G0100	MBP	–	45	81	103	–	–	24	0.55	66	1.08	–	–	1.41	198-254 V, 50 Hz	S
PL35F	101G0202	MBP	–	75	125	156	–	–	45	0.86	103	1.34	–	–	2.00	198-254 V, 50 Hz	S
PL50F	101G0220	LBP	18	92	–	–	–	–	56	0.89	–	–	–	–	2.50	198-254 V, 50 Hz	S
PL50F	101G0222	MBP	–	92	149	184	–	–	56	0.92	123	1.37	–	–	2.50	198-254 V, 50 Hz	F1
PL50F	101G0223	MBP	–	92	149	184	–	–	56	0.92	123	1.37	–	–	2.50	198-254 V, 50 Hz	F1
NL7F	105G6706	LBP	87	294	–	–	–	–	187	1.21	–	–	–	–	7.27	198-254 V, 50 Hz	S
NL8F	105G6822	LBP	100	307	–	–	–	–	201	1.24	–	–	–	–	7.95	198-254 V, 50 Hz	S
NL9F	105G6802	LBP	92	332	–	–	–	–	213	1.21	–	–	–	–	8.35	198-254 V, 50 Hz	S
NL11F	105G6900	LBP	126	435	–	–	–	–	274	1.22	–	–	–	–	11.15	198-254 V, 50 Hz	F2
NF9FX	105G6841	L/MBP	113	356	575	715	–	–	229	1.09	475	1.59	856	2.28	8.34	198-242 V, 50 Hz	F1
NF11FX	105G6944	L/MBP	141	454	725	898	–	–	294	0.97	600	1.41	1070	2.02	11.15	198-242 V, 50 Hz	F2
NL6.1FT	105G6621	LBP	74	245	–	–	–	–	157	1.21	–	–	–	–	6.13	187-254 V, 50 Hz	S
NL7FT	105G6718	LBP	88	290	–	–	–	–	186	1.22	–	–	–	–	7.27	187-254 V, 50 Hz	S
NL7.3FT	105G6726	LBP	88	290	–	–	–	–	186	1.22	–	–	–	–	7.27	187-254 V, 50 Hz	S
NL8.4FT	105G6055	LBP	107	340	–	–	–	–	220	1.23	–	–	–	–	8.35	187-254 V, 50 Hz	F1
NL9FT	105G6828	LBP	107	340	–	–	–	–	220	1.23	–	–	–	–	8.35	187-254 V, 50 Hz	S
NL10FT	105G6188	LBP	141	434	–	–	–	–	284	1.25	–	–	–	–	10.09	187-254 V, 50 Hz	S
NL11MF	105G6156	M/HBP	–	471	756	938	1400	1687	–	–	626	1.61	1121	2.19	11.15	187-254 V, 50 Hz	F2
NLE10MF	105G6888	MBP	110	425	687	854	–	–	268	1.28	568	1.71	1023	2.32	10.09	198-254 V, 50 Hz	F1
NLE10MF.2	105G6187	L/MBP	116	457	735	914	1372	–	290	1.45	608	1.94	1097	2.61	10.09	198-254 V, 50 Hz	F2
NLE11MF.2	105G6197	MBP	–	513	821	1018	1509	–	331	1.41	680	1.88	1211	2.50	11.15	198-242 V, 50 Hz	F2
SC15F	104G8500	LBP	126	545	901	–	–	–	324	1.11	745	1.59	–	–	15.28	198-254 V, 50 Hz	F1
SC15MFX	104G8501	MBP	–	569	951	1185	1749	–	326	1.10	785	1.66	1408	2.31	15.28	198-254 V, 50 Hz	F2
SC18F	104G8800	LBP	159	640	1041	–	–	–	389	1.17	863	1.62	–	–	17.69	198-254 V, 50 Hz	F1
SC10GHH*	104G8071	HBP	–	321	580	750	1173	1426	–	–	472	1.69	931	2.62	10.29	198-254 V, 50 Hz	F1
SC15GHH*	104G8571	HBP	–	533	897	1128	1746	2154	–	–	739	1.84	1382	2.66	15.28	198-254 V, 50 Hz	F1
SC18GH	104G8860	HBP	–	666	1061	1338	2048	2482	–	–	875	1.62	1632	2.27	17.69	198-254 V, 50 Hz	F2
SC21F	104G8100	LBP	228	742	1218	–	–	–	458	1.14	1007	1.54	–	–	20.95	198-254 V, 50 Hz	F1
SC21FTX	104G8105	LBP	241	884	1391	–	–	–	569	1.27	1156	1.76	–	–	20.95	187-254 V, 50 Hz	F2
SC21MFX	104G8120	MBP	–	819	1304	1616	2408	–	532	1.21	1081	1.65	1929	2.30	20.95	187-254 V, 50 Hz	F2
SCE21MFX	104G8150	MBP	–	817	1371	1714	–	–	480	1.29	1130	1.82	2043	2.37	20.95	198-244 V, 50 Hz	F2
SC12/12G	104G8280	L/M/HBP	162	865	1498	1907	2942	3582	497	1.03	1228	1.60	2340	2.29	25.74	187-254 V, 50 Hz	F2
SC15/15G	104G8580	L/M/HBP	–	1054	1808	2255	3338	3996	521	1.01	1491	1.56	2682	2.20	30.56	187-254 V, 50 Hz	F2
SC18/18G	104G8880	L/M/HBP	–	1298	2150	2688	4026	4843	782	1.12	1774	1.63	3225	2.24	35.38	187-254 V, 50 Hz	F2
SC21/21G	104G8180	L/M/HBP	–	1508	2520	3156	4704	5621	921	1.13	2076	1.67	3777	2.29	41.90	187-254 V, 50 Hz	F2
GS26GHX	107B0702	HBP	–	1087	1746	2172	3268	3960	–	–	1445	1.79	2611	2.50	26.30	198-254 V, 50 Hz	F2
GS26MFX	107B0700	MBP	–	1078	1747	2170	–	–	–	–	1446	1.82	–	–	26.30	198-254 V, 50 Hz	F2
GS34MFX	107B0701	MBP	–	1400	2284	2848	–	–	–	–	1888	1.80	3424	2.44	33.80	198-254 V, 50 Hz	F2

Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)		HST (CSIR & CSCSR)			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	refer to data sheet for more info					→ optional → compulsory*		*alt. cable lengths avail.			Cord relief	Cover
		Suction	Process	Dis-charge E (I.D.)		PTC starting device		PTC starting device with RC connector		ePTC			Starting relay	Starting capacitor	Starting device*		
A	B	C (I.D.)	D (I.D.)	E (I.D.)		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	6.3 mm	6.3 mm		
130	128	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	-	-	-	103N1010	103N0491
134	132	6.2	6.2	5	-	103N0011	103N0018									103N1010	103N0491
137	135	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	-	-	-	103N1010	103N0491
137	135	6.2	6.2	5	-	-	-	-	-	-	-	-	117U6021	117U5014	-	103N1010	103N0491
137	135	6.5	6.5	5	-	-	-	-	-	-	-	-	117U6021	117U5014	-	103N1010	103N0491
190	183	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6000	117U5015	-	103N1010	103N2010
197	191	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6001	117U5015	-	103N1010	103N2010
197	191	8.2	6.2	6.2	-	103N0011	103N0018	-	-	-	-	-	117U6001	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6002	117U5015	-	103N1010	103N2010
203	197	8.2	6.5	6.5	X	-	-	-	-	-	-	-	117U4140	117U5018	-	117U0349	117U1021
203	197	8.2	6.5	6.5	X	-	-	-	-	-	-	-	117U4139	117U5018	-	117U0349	117U1023
188	182	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6000	117U5015	-	103N1010	103N2010
197	191	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6001	117U5015	-	103N1010	103N2010
188	182	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6001	117U5015	-	103N1010	103N2010
190	184	6.2	6.2	5	X	103N0011	103N0018	-	-	-	-	-	117U6001	117U5015	-	103N1010	103N2010
197	191	6.2	6.2	5	X	103N0011	103N0018	-	-	-	-	-	117U6015	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018			103N0050		117-7119	117U6002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6022	117U5018	-	103N1010	103N2011
203	197	8.2	6.2	6.2		103N0011	103N0018	-	-	-	-	-	117U6003	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	-	-	-	-	-	103N0050		117-7119	117U6002	117U5015	-	103N1010	103N2010
203	197	8.2	6.2	6.2	-	-	-	-	-	103N0050	-	117-7119	117U6003	117U5015	-	103N1010	103N2010
209	203	8.2	6.2	6.2	-	103N0011	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009
209	203	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2008
209	203	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
209	203	10.2	6.2	8.2	-	-	-	-	-	-	-	-	-	117U5372	117-7025	103N1004	103N2009
209	203	10.2	6.2	8.2	X	-	-	-	-	-	-	-	-	117U5373	117-7027	103N1004	103N2009
219	213	10.2	6.2	8.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	117-7039	103N1004	103N2009
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7411	117U5017	-	103N1004	117U1033
249	244	12	6.2	6.2	-	-	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009
249	244	12	6.2	6.2	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
259	254	16	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
259	254	16	6.2	6.2	-	-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009
259	247	12.9	6.5	8.2	-	-	-	-	-	-	-	-	-	-	117-7070	-	107B9101
259	247	12.9	6.5	8.2	-	-	-	-	-	-	-	-	-	-	117-7055	-	107B9101
259	247	12.9	6.5	8.2	-	-	-	-	-	-	-	-	-	-	117-7056	-	107B9101

R134a · 220-240 V · 50/60 Hz | 208-230 V · 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)					
			-35		-15		-5		0		10		15		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	Cooling capacity	COP
PL35G	101G0250	L/M/HBP	–	66	111	140	214	261	39	0.79	91	1.27	170	1.83	2.00	198-254 V, 50 Hz *	F1						
KLE4.0GFTX	106G5403	L/M/HBP	44	164	268	333	496	595	102	1.14	221	1.77	398	2.58	4.00	187-254 V, 50 Hz *	S						
KLE4.8GFTX	106G5503	L/M/HBP	61	207	338	421	625	749	130	1.26	279	1.88	502	2.71	4.80	187-254 V, 50 Hz *	F2						
KLE5.6GFTX	106G5603	L/M/HBP	78	249	405	504	748	896	157	1.32	335	1.92	601	2.74	5.60	187-254 V, 50 Hz *	F2						
KLE6.6GFTX	106G5703	L/M/HBP	94	299	484	602	891	1066	189	1.29	401	1.85	716	2.59	6.60	187-254 V, 50 Hz *	F2						
KLE7.7GFTX	106G5803	L/M/HBP	108	344	545	671	982	1170	222	1.33	452	1.81	791	2.41	7.70	187-254 V, 50 Hz *	F2						
KLE8.6GFTX	106G5903	L/M/HBP	120	390	623	767	1116	1323	249	1.33	517	1.78	901	2.31	8.60	187-254 V, 50 Hz *	F2						
KLF6.6MFT	106G2701	MBP	–	298	485	603	–	–	187	1.35	401	1.92	–	–	6.60	170-254 V, 50 Hz *	F2						
KLF7.7MFT	106G2802	MBP	–	348	556	686	–	–	221	1.38	461	1.89	–	–	7.70	170-254 V, 50 Hz *	F2						
NL6FT	105G6628	LBP	74	245	–	–	–	–	157	1.21	–	–	–	–	6.13	187-254 V, 50 Hz *	S						
NF7FX	105G6743	L/MBP	97	324	522	646	–	–	205	1.12	432	1.66	766	2.35	7.27	198-242 V, 50 Hz *	S						
NF10FX	105G6846	L/MBP	127	418	671	832	–	–	267	0.94	556	1.42	991	2.06	10.09	198-242 V, 50 Hz *	F1						
NL6.1MF	105G6660	MBP	–	234	388	485	732	885	–	–	320	1.61	585	2.33	6.13	187-254 V, 50 Hz *	S						
NL7.3MF	105G6772	MBP	–	293	477	596	895	1081	–	–	394	1.64	716	2.32	7.27	187-254 V, 50 Hz *	F1						
NL8.4MF	105G7802	MBP	–	343	551	686	1028	1240	–	–	456	1.64	822	2.27	8.35	187-254 V, 50 Hz *	F1						
NL10MF	105G6885	MBP	–	428	687	853	1273	1534	–	–	569	1.64	1019	2.27	10.09	187-254 V, 50 Hz *	F1						
NLE12.6MF.2	105G6387	L/MBP	241	545	895	1120	1671	–	355	1.48	738	1.98	1341	2.66	12.55	198-254 V, 50 Hz *	F2						
NLE12.6MFT	105G6388	L/MBP	241	545	895	1120	1671	–	355	1.48	738	1.98	1341	2.66	12.55	187-254 V, 50 Hz *	F2						
FRK5G	106G5453	L/M/HBP	43	159	260	323	481	577	99	1.11	215	1.71	386	2.50	4.00	187-254 V, 50 Hz *	S						
FRK6G	106G5553	L/M/HBP	59	201	328	408	607	727	126	1.23	271	1.82	487	2.63	4.80	187-254 V, 50 Hz *	F2						
FRK7.5G	106G5653	L/M/HBP	76	241	393	489	726	869	152	1.28	325	1.86	583	2.65	5.60	187-254 V, 50 Hz *	F2						
FRK8.5G	106G5753	L/M/HBP	92	293	474	589	873	1043	185	1.23	392	1.78	701	2.48	6.60	187-254 V, 50 Hz *	F2						
FRK10G	106G5853	L/M/HBP	104	332	527	649	950	1132	214	1.30	437	1.82	765	2.42	7.70	187-254 V, 50 Hz *	F2						
FRK11G	106G5953	L/M/HBP	118	374	597	735	1074	–	240	1.33	495	1.79	866	2.43	8.60	187-254 V, 50 Hz *	F2						
SC10G	104G8000	L/M/HBP	30	333	603	766	1149	1368	168	0.87	493	1.59	923	2.35	10.29	187-254 V, 50 Hz *	F2						
SC10GH	104G8041	HBP	–	289	592	761	1156	1392	–	–	481	1.56	925	2.28	10.29	198-254 V, 50 Hz *	F2						
SC12FT	104G8205	LBP	129	506	802	–	–	–	321	1.15	666	1.64	–	–	12.87	187-254 V, 50 Hz *	F1						
SC15FT	104G8505	LBP	157	606	958	–	–	–	386	1.18	796	1.65	–	–	15.28	187-254 V, 50 Hz *	F2						
SC12G	104G8240	L/M/HBP	81	433	749	954	1471	1791	248	1.03	614	1.60	1170	2.29	12.87	187-254 V, 50 Hz *	F2						
SC12G	104G8245	MBP	–	461	865	1128	1805	–	–	–	702	1.65	1422	2.45	12.87	187-254 V, 60 Hz	F2						
SC12GH	104G8261	HBP	–	377	718	936	1489	1835	–	–	583	1.51	1175	2.34	12.87	198-254 V, 50 Hz *	F2						
SC15G	104G8520	L/M/HBP	–	527	904	1127	1669	1998	260	1.01	745	1.56	1341	2.20	15.28	187-254 V, 50 Hz *	F2						
SC15G	104G8526	MBP	–	583	1035	1303	1953	–	–	–	850	1.67	1565	2.38	15.28	187-254 V, 60 Hz	F2						
SC15GH	104G8561	HBP	–	377	718	936	1489	1835	–	–	583	1.51	1175	2.34	12.87	198-254 V, 50 Hz *	F2						
SC18FTX	104G8805	LBP	181	703	1113	–	–	–	448	1.17	924	1.68	–	–	17.69	187-254 V, 50 Hz *	F2						
SC18G	104G8820	L/M/HBP	–	658	1081	1348	2011	2417	397	1.13	893	1.58	1612	2.21	17.69	187-254 V, 50 Hz *	F2						
SC18G	104G8823	MBP	–	711	1186	1500	2315	–	–	–	976	1.76	1838	2.51	17.69	187-254 V, 60 Hz	F2						
SC18GH	104G8861	HBP	–	602	1025	1302	2015	2465	–	–	841	1.74	1599	2.57	17.69	198-254 V, 50 Hz *	F2						
SC18MFX	104G8804	MBP	–	685	1107	1380	2076	–	434	1.15	916	1.63	1660	2.28	17.69	187-254 V, 50 Hz *	F2						
SC21FTX	104G8106	LBP	298	990	1563	–	–	–	641	1.29	1298	1.69	–	–	20.95	187-254 V, 60 Hz	F2						
SC21G	104G8140	L/M/HBP	–	755	1261	1579	2352	2810	461	1.23	1039	1.68	1889	2.40	20.95	187-254 V, 50 Hz *	F2						

Electrical Equipment

Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)			HST (CSIR & CSCR)			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	refer to data sheet for more info					→ 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.)		PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*			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	6.3 mm	6.3 mm			
137	135	6.2	6.2	5	X	103N0011	103N0018	-	-	-	-	-	117U6021	117U5014	-	103N1010	103N0491	
182	175	6.2	6.2	5.2	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7070	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	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	X	-	-	103N0250	103N0252		117-7191	117-7190	117U7071	117U5001		16058100	10636401	
197	191	6.2	6.2	5	-	103N0011	103N0018	-	-	-	-	-	117U6000	117U5015	-	103N1010	103N2010	
203	197	8.2	6.5	6.5	X	-	-	-	-	-	-	-	117U4140	117U5018	-	117U0349	117U1023	
203	197	8.2	6.5	6.5	X	-	-	-	-	-	-	-	117U4139	117U5018	-	117U0349	117U1021	
190	184	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6015	117U5015	-	103N1010	103N2011	
197	191	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6016	117U5015	-	103N1010	103N2011	
197	191	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6016	117U5015	-	103N1010	103N2011	
203	197	8.2	6.2	6.2	X	103N0011	103N0018	-	-	-	-	-	117U6022	117U5018	-	103N1010	103N2011	
203	197	8.2	6.2	6.2	-	-	-	-	-	103N0050	-	117-7119	117U6005	117U5015	-	103N1010	103N2010	
203	197	8.2	6.2	6.2	-	-	-	-	-	103N0050	-	117-7119	117U6005	117U5015	-	103N1010	103N2010	
182	175	6.2	6.2	5.2	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7070	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401	
182	175	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401	
199	193	8.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6002	117U5017	-	103N1004	103N2009	
209	203	10.2	6.2	8.2	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2008	
209	203	8.2	6.2	6.2	-	103N0011	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009	
209	203	10.2	6.2	6.2	X	103N0011	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009	
209	203	8.2	6.2	6.2	X	103N0011	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009	
209	203	10.2	6.5	6.5	X	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008	
209	203	10.2	6.2	8.2	-	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008	
209	203	10.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009	
209	203	10.2	6.5	6.5	X	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008	
209	203	10.2	6.2	8.2	-	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008	
219	213	10.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009	
219	213	10.2	6.5	6.5	X	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008	
219	213	10.2	6.2	8.2	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008	
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	117U6019	117U5017	117-7027	103N1004	103N2008	
219	213	10.2	6.2	6.2	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008	
219	213	10.2	6.2	6.2	X	-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009	

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				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]			
NL7CLX	● 105F3710	LBP	200	576	876	–	–	–	388	1.31	704	1.60	–	–	7.27	198-254 V, 50 Hz	F2
NL8.4CLX	● 105F3800	LBP	218	627	953	–	–	–	422	1.28	765	1.54	–	–	8.35	198-254 V, 50 Hz	F2
NL9CLX	105F3802	LBP	236	674	–	–	–	–	457	1.34	–	–	–	–	8.35	198-254 V, 50 Hz	F2
SC10CL	● 104L2523	LBP	116	615	1014	–	–	–	366	1.10	811	1.43	–	–	10.29	198-254 V, 50 Hz	F2
SC10DL	104L2525	M/HBP	–	644	1051	1300	1916	2295	–	–	837	1.51	1478	2.15	10.29	198-254 V, 50 Hz	F2
SC12CL	● 104L2623	LBP	165	857	1397	–	–	–	516	1.10	1112	1.50	–	–	12.87	198-254 V, 50 Hz	F2
SC12DL	104L2625	M/HBP	–	865	1407	1728	2508	2984	–	–	1122	1.57	1942	2.26	12.87	198-254 V, 50 Hz	F2
SC15CL	● 104L2853	LBP	180	1101	1678	–	–	–	697	1.20	1349	1.50	–	–	15.28	198-254 V, 50 Hz	F2
SC15CLX.2	104L2896	LBP	339	1097	–	–	–	–	724	1.18	–	–	–	–	15.28	198-254 V, 50 Hz	F2
SC15DL	104L2856	M/HBP	–	1034	1641	2012	2928	3492	–	–	1311	1.56	2265	2.25	15.28	198-254 V, 50 Hz	F2
SC15MLX	● 104L2869	MBP	–	1117	1718	2102	–	–	762	1.20	1375	1.56	2371	2.16	15.28	198-254 V, 50 Hz	F2
SC18CL	● 104L2123	LBP	374	1220	1882	–	–	–	803	1.22	1508	1.50	–	–	17.69	198-254 V, 50 Hz	F2
SC18CLX.2	104L2197	LBP	415	1343	–	–	–	–	886	1.20	–	–	–	–	17.69	198-254 V, 50 Hz	F2
SC18MLX	104L2139	MBP	–	1306	2001	2446	–	–	894	1.27	1603	1.64	2757	2.27	17.69	198-254 V, 50 Hz	F2
SC18MLX.3	● 104L2146	MBP	–	1384	2097	2552	–	–	959	1.34	1683	1.67	2862	2.28	17.68	198-254 V, 50 Hz	F2
SC21CL	● 104L2322	LBP	442	1386	–	–	–	–	905	1.18	–	–	–	–	20.95	198-254 V, 50 Hz	F2
SC10/10DL	104L4091	M/HBP	–	1288	2103	2601	3832	4590	–	–	1674	1.51	2955	2.15	20.58	198-254 V, 50 Hz	F2
SC12/12CL	104L4088	LBP	330	1715	2794	–	–	–	1032	1.10	2224	1.50	–	–	25.74	198-254 V, 50 Hz	F2
SC12/12DL	104L4092	M/HBP	–	1730	2814	3456	5016	5967	–	–	2244	1.57	3885	2.26	25.74	198-254 V, 50 Hz	F2
SC15/15CL	104L4089	LBP	360	2202	3356	–	–	–	1395	1.20	2699	1.50	–	–	30.56	198-254 V, 50 Hz	F2
SC15/15DL	104L4093	M/HBP	–	2068	3282	4024	5856	6983	–	–	2622	1.56	4529	2.25	30.56	198-254 V, 50 Hz	F2
SC18/18CL	104L4090	LBP	748	2440	3762	–	–	–	1606	1.22	3016	1.50	–	–	35.38	198-254 V, 50 Hz	F2
SC18/18CLX.2	104L4035	LBP	823	2670	–	–	–	–	1761	1.20	–	–	–	–	35.36	198-254 V, 50 Hz	F2
SC18/18MLX	104L4100	MBP	748	2440	3762	–	–	–	1606	1.22	3016	1.50	–	–	35.38	198-254 V, 50 Hz	F2
SC21/21CL	● 104L4094	LBP	884	2773	–	–	–	–	1810	1.18	–	–	–	–	41.90	198-254 V, 50 Hz	F2
GS21MLX	● 107B0502	MBP	–	1578	2486	3070	–	–	–	–	1984	1.79	3514	2.53	21.20	198-254 V, 50 Hz	F2
GS26CLX	107B0500	LBP	614	2017	–	–	–	–	1323	1.35	–	–	–	–	26.30	198-254 V, 50 Hz	F2
GS26MLX	● 107B0503	MBP	–	1925	2987	3643	–	–	1239	1.33	2392	1.72	4085	2.34	26.30	198-254 V, 50 Hz	F2
GS34CLX	● 107B0501	LBP	943	2874	4412	–	–	–	1917	1.45	3537	1.74	–	–	33.80	198-254 V, 50 Hz	F2
GS34MLX	● 107B0504	MBP	–	2766	4178	5053	–	–	–	–	3359	1.71	5626	2.25	33.80	198-254 V, 50 Hz	F2

Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)			HST (CSIR & CSCSR)			LST/HST	
Height [mm]		Connectors location/I.D. [mm]			alt. connectors available	refer to data sheet for more info					→ optional → compulsory*			Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
A	B	Suction	Process	Dis-charge E (I.D.)		Spades		Spades		Spades	Spades		Spades		Spades			
		C (I.D.)	D (I.D.)	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			
203	197	8.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6002	117U5015	–	103N1010	103N2010	
203	197	8.2	6.2	6.2	X	103N0011	103N0018	–	–	–	–	–	117U6003	117U5015	–	103N1010	103N2010	
203	197	8.2	6.2	6.2	–	–	–	–	–	–	–	–	117U6003	117U5015	–	103N1010	103N2010	
209	203	8.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6003	117U5017	–	103N1004	103N2009	
209	203	8.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6005	117U5017	–	103N1004	103N2009	
209	203	8.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6005	117U5017	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	–	117U5373	117-7029	103N1004	103N2009	
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	117U6013	117U5012	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	–	117U5373	117-7027	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	117U6013	117U5012	–	103N1004	103N2009	
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5373	117-7027	103N1004	103N2009	
219	213	10.2	6.2	6.2	–	–	–	–	–	–	–	–	–	–	117-7027	103N1004	103N2009	
219	213	10.2	6.2	6.2	X	–	–	–	–	–	–	–	–	117U5373	117-7027	103N1004	103N2009	
249	244	12	6.2	6.2	–	–	–	–	–	–	–	–	117U6005	117U5017	–	103N1004	103N2009	
249	244	12	6.2	6.2	–	–	–	–	–	–	–	–	117U6005	117U5017	–	103N1004	103N2009	
259	254	12	6.2	6.2	–	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
259	254	12	6.2	6.2	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
259	254	16	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5373	117-7029	103N1004	103N2009	
259	254	16	6.2	6.2	–	–	–	–	–	–	–	–	–	–	117-7027	103N1004	103N2009	
259	254	12	6.2	6.2	–	–	–	–	–	–	–	–	117U6013	117U5012	–	103N1004	103N2009	
259	254	10.2	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5373	117-7027	103N1004	103N2009	
259	254	16	6.2	6.2	–	–	–	–	–	–	–	–	–	117U5373	117-7027	103N1004	103N2009	
259	247	16.1	6.5	9.7	–	–	–	–	–	–	–	–	–	–	117-7070	–	107B9101	
259	247	12.9	6.5	8.2	–	–	–	–	–	–	–	–	–	–	117-7056	–	107B9101	
279	267	16.1	6.5	9.7	–	–	–	–	–	–	–	–	–	–	117-7072	–	107B9101	
279	267	12.9	6.5	8.2	X	–	–	–	–	–	–	–	–	–	117-7074	–	107B9101	
279	267	16.1	6.5	9.7	–	–	–	–	–	–	–	–	–	–	117-7056	–	107B9101	



R404A/R507 · 220-240 V · 50/60 Hz | 208-230 V · 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	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				
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP				
			[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]					
NF7MLX	● 105F3720	MBP	–	547	851	1039	1503	–	–	682	1.49	1164	2.12	7.27	187-254 V, 50 Hz *	F2		
NL6.1MLX	● 105F3611	MBP	–	455	711	869	–	–	291	1.14	569	1.61	975	2.31	6.13	187-254 V, 50 Hz *	F2	
SC10CLX	104L2533	L/MBP	130	655	1064	–	–	–	396	1.11	847	1.51	–	–	10.29	198-254 V, 50 Hz *	F2	
SC10MLX	● 104L2506	MBP	–	722	1127	1380	–	–	–	–	902	1.54	1553	2.18	10.29	187-254 V, 50 Hz *	F2	
SC12CLX	104L2695	LBP	226	1097	–	–	–	–	698	1.23	–	–	–	–	12.87	198-254 V, 60 Hz	F2	
SC12CLX.2	104L2699	LBP	317	1085	–	–	–	–	707	1.27	–	–	–	–	12.87	187-254 V, 60 Hz	F2	
SC12CLX.2	● 104L2697	LBP	278	899	–	–	–	–	593	1.15	–	–	–	–	12.87	198-254 V, 50 Hz *	F2	
SC12MLX	● 104L2606	MBP	–	886	1369	1670	–	–	584	1.15	1096	1.56	1873	2.18	12.87	187-254 V, 50 Hz *	F2	
SC15CLX	104L2854	LBP	235	1213	–	–	–	–	774	1.23	–	–	–	–	15.28	198-254 V, 60 Hz	F2	
SC15CLX.2	● 104L2897	LBP	413	1337	–	–	–	–	882	1.33	–	–	–	–	15.28	187-254 V, 60 Hz	F2	
SC15MLX.2	104L2803	MBP	–	1233	1896	2320	–	–	841	1.20	1518	1.56	2617	2.16	15.28	187-254 V, 60 Hz	F2	
SC18CLX.2	104L2195	LBP	520	1554	–	–	–	–	1114	1.39	–	–	–	–	17.69	187-254 V, 60 Hz	F2	
SC18MLX	104L2138	MBP	–	1521	2328	2839	–	–	1033	1.18	1866	1.47	3186	1.99	17.69	187-254 V, 60 Hz	F2	
SC12/12CLX	104L4034	LBP	450	2182	–	–	–	–	1389	1.23	–	–	–	–	25.74	198-254 V, 60 Hz	F2	
GS21CLX	107B0506	LBP	584	1918	–	–	–	–	1258	1.35	–	–	–	–	21.20	187-254 V, 60 Hz	F2	
GS21MLX	● 107B0509	MBP	–	2043	3134	3819	–	–	1345	1.46	2513	1.86	4293	2.55	21.20	187-254 V, 60 Hz	F2	
GS26CLX	107B0505	LBP	719	2114	–	–	–	–	1425	1.21	–	–	–	–	26.30	187-254 V, 60 Hz	F2	

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]					PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
A	B	Suction	Process	Dis-charge	alt. connectors available		Spades		Spades		Spades	Spades		Spades		Spades		
		C (I.D.)	D (I.D.)	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	4.8 mm	6.3 mm		
203	197	9.7	6.5	6.5	X		-	-	-	-	-	-	-	117U4139	117U5018	-	117U0349	117U1021
203	197	8.2	6.5	6.5	X		-	-	-	-	-	-	-	117U6022	117U5015	-	103N1010	103N2011
209	203	8.2	6.2	6.2	X		-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2008
209	203	8.2	6.5	6.5	-		-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
219	213	8.2	6.2	6.2	X		-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2008
219	213	9.63	6.5	6.5	X		-	-	-	-	-	-	-	-	-	117-7027	103N1004	103N2008
219	213	8.2	6.2	6.2	X		-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2008
219	213	8.2	6.5	6.5	-		-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
219	213	10.2	6.2	6.2	-		-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
219	213	9.63	6.5	6.5	X		-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
219	213	9.63	6.5	6.5	-		-	-	-	-	-	-	-	-	-	117-7058	103N1004	103N2008
219	213	9.63	6.5	6.5	X		-	-	-	-	-	-	-	-	117U5373	117-7066	103N1004	103N2008
219	213	9.63	6.5	6.5	-		-	-	-	-	-	-	-	-	-	117-7066	103N1004	103N2008
259	254	12	6.2	6.2	-		-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
259	247	12.9	6.5	8.2	-		-	-	-	-	-	-	-	-	-	117-7073	-	107B9101
279	267	12.9	6.5	9.7	-		-	-	-	-	-	-	-	-	-	117-7073	-	107B9106
279	267	12.9	6.5	8.2	-		-	-	-	-	-	-	-	-	-	117-7073	-	107B9101

R407C · 220-240 V · 50 Hz

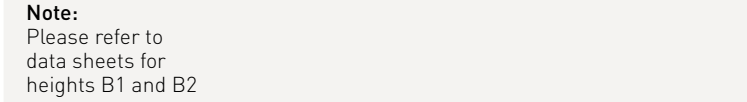
Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]							ASHRAE						Displacement	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling [refer to data sheet]
										LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C				
										Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP			
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]			
SC10DL	104L2525	M/HBP	–	469	842	1074	1653	2013	–	–	685	1.57	1308	2.32	10.29	198-254 V, 50 Hz	F2	
SC12DL	104L2625	M/HBP	–	621	1087	1385	2144	2620	–	–	886	1.58	1692	2.38	12.87	198-254 V, 50 Hz	F2	
SC15DL	104L2856	M/HBP	–	782	1351	1709	2612	3174	–	–	1104	1.70	2069	2.59	15.28	198-254 V, 50 Hz	F2	
SC10/10DL	104L4091	M/HBP	–	937	1685	2148	3307	4026	–	–	1371	1.57	2615	2.32	20.58	198-254 V, 50 Hz	F2	
SC12/12DL	104L4092	M/HBP	–	1241	2174	2769	4287	5239	–	–	1772	1.58	3384	2.38	25.74	198-254 V, 50 Hz	F2	
SC15/15DL	104L4093	M/HBP	–	1563	2703	3419	5224	6348	–	–	2208	1.70	4137	2.59	30.56	198-254 V, 50 Hz	F2	

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]					PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
A	B	Suction	Process	Dis-charge	alt. connectors available		Spades		Spades		Spades	Spades		Spades		Spades		
		C (I.D.)	D (I.D.)	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	4.8 mm	6.3 mm		
209	203	8.2	6.2	6.2	X		-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	X		-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
219	213	10.2	6.2	6.2	X		-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009
249	244	12	6.2	6.2	-		-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
259	254	12	6.2	6.2	-		-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
259	254	16	6.2	6.2	-		-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009



PL



GTK (K-Series)



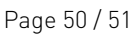
KLE / KLF



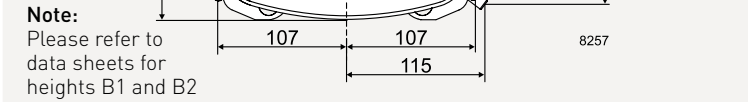
FRK



NL/NLE (NF similar)



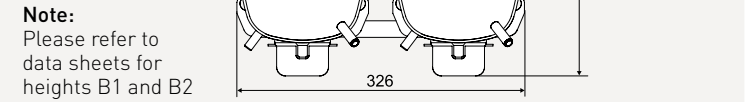
SC (SC-GHH w. additional oil cooler connector)



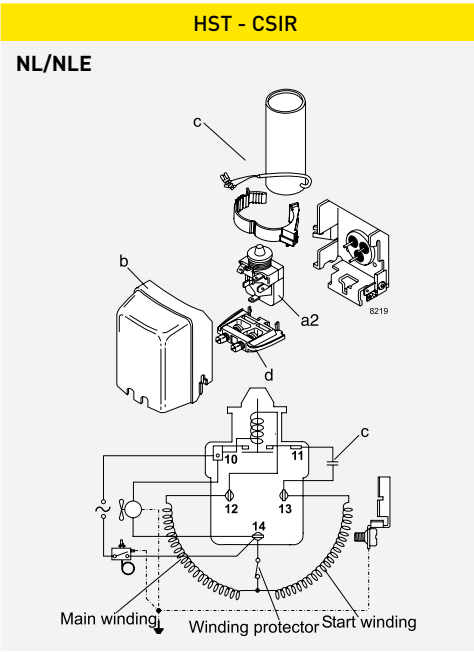
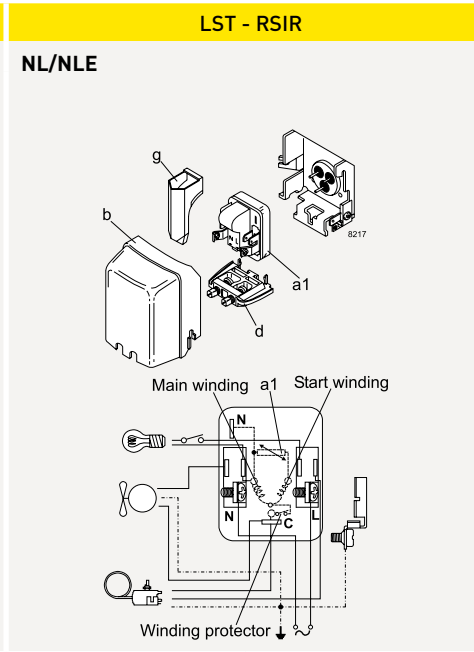
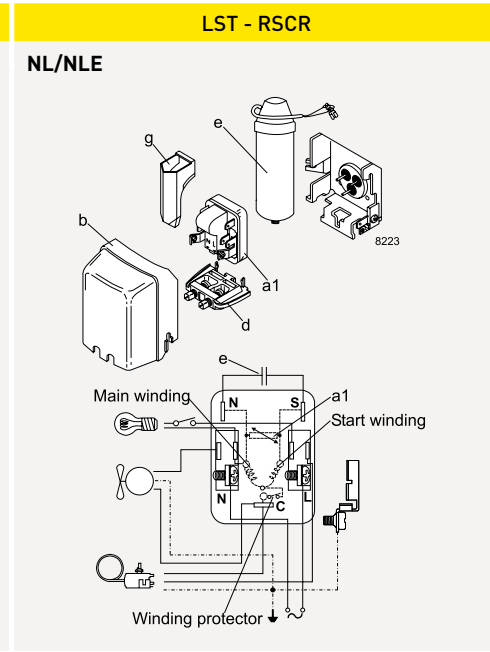
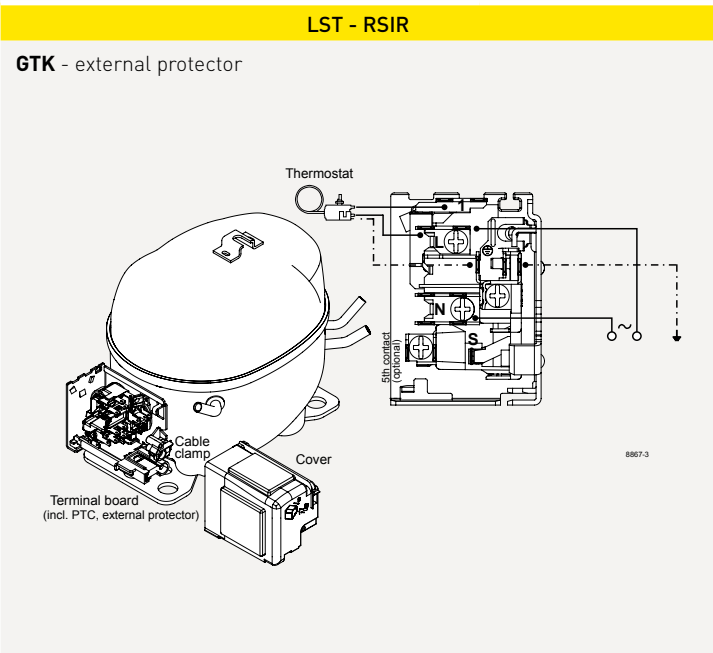
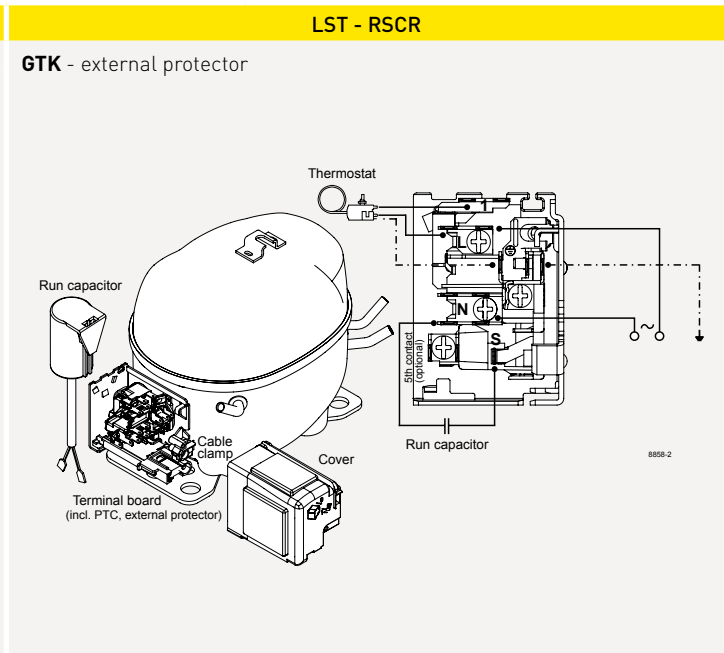
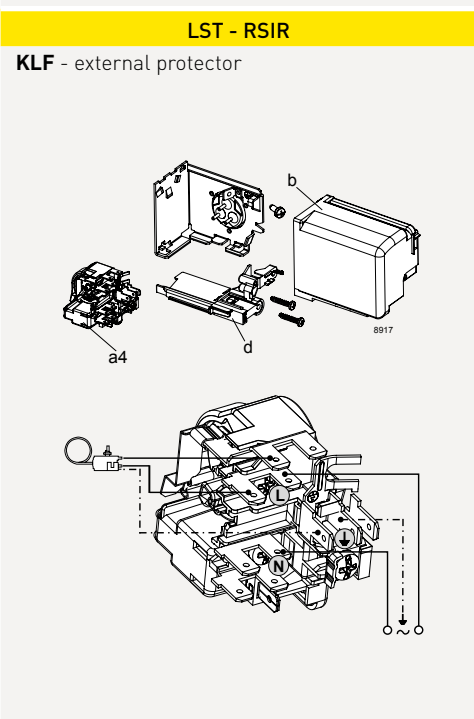
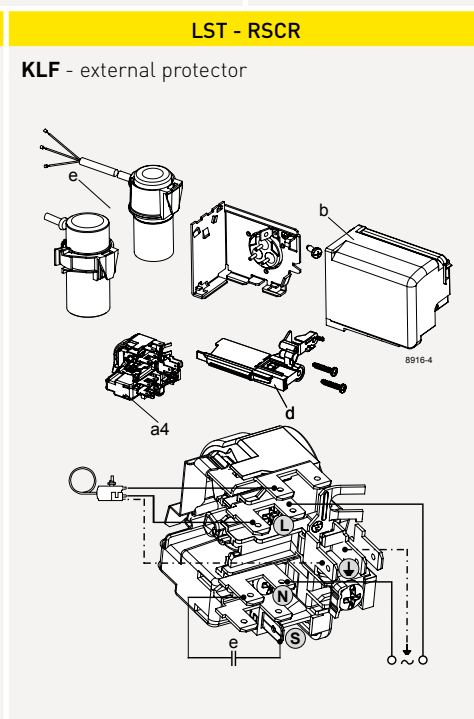
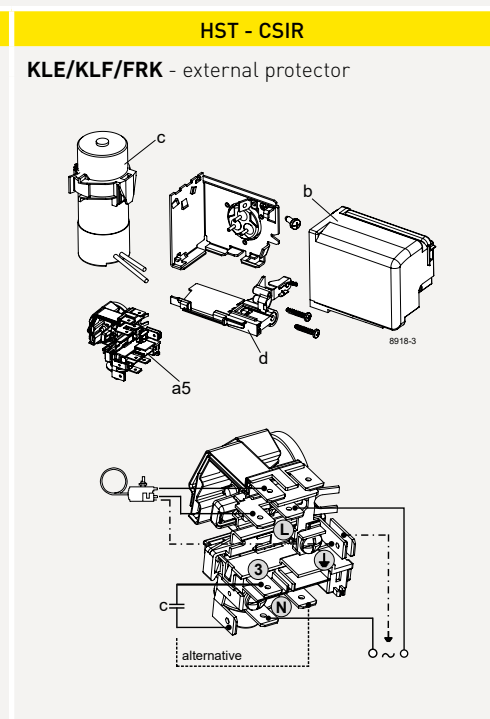
GS (GS34CLX has interchanged connectors)



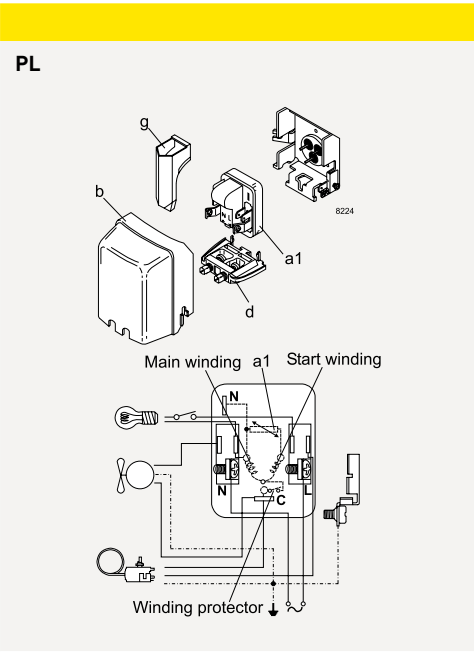
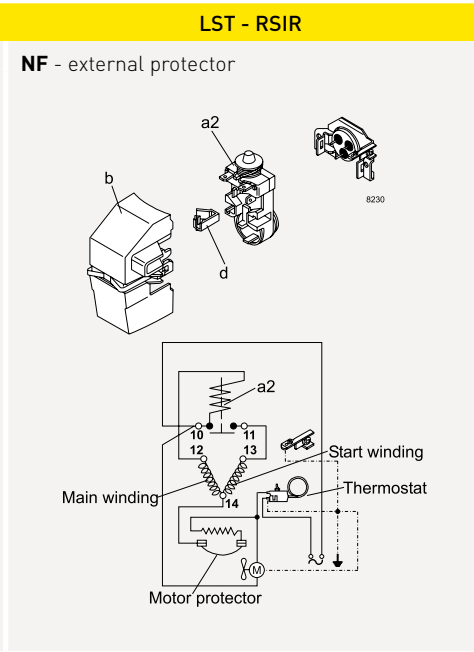
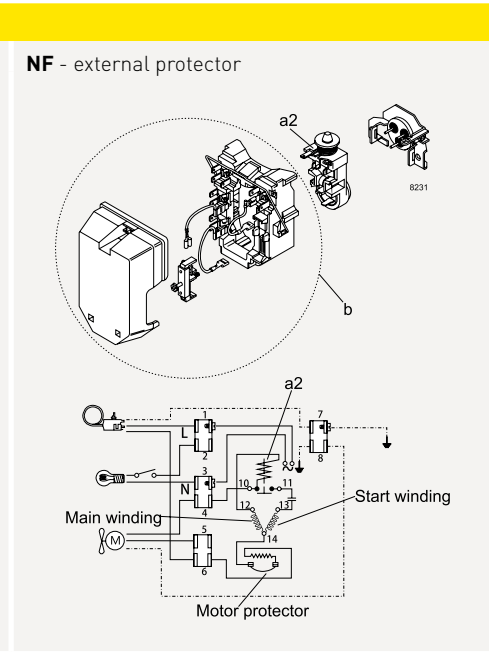
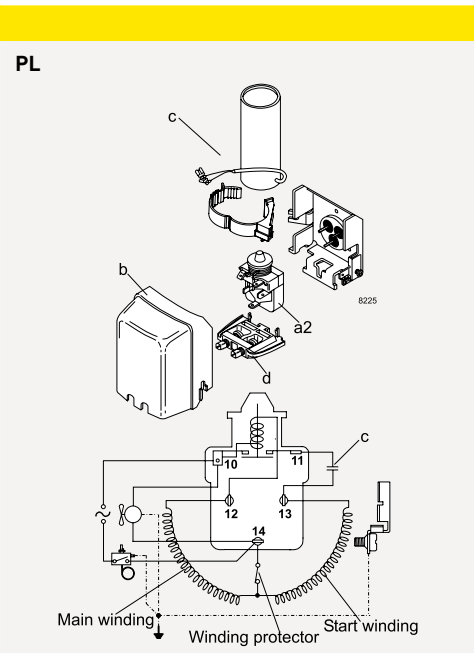
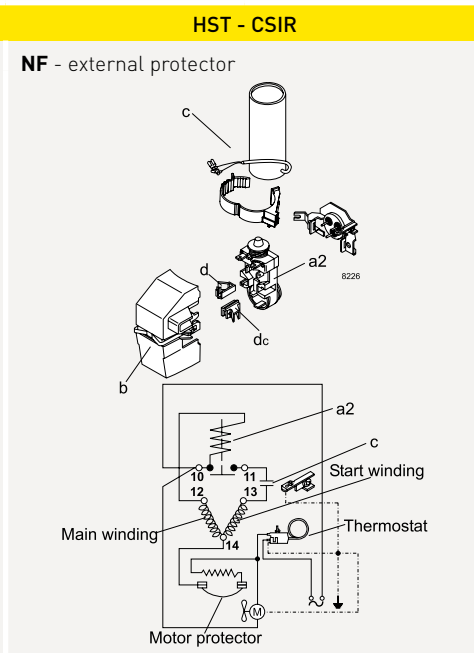
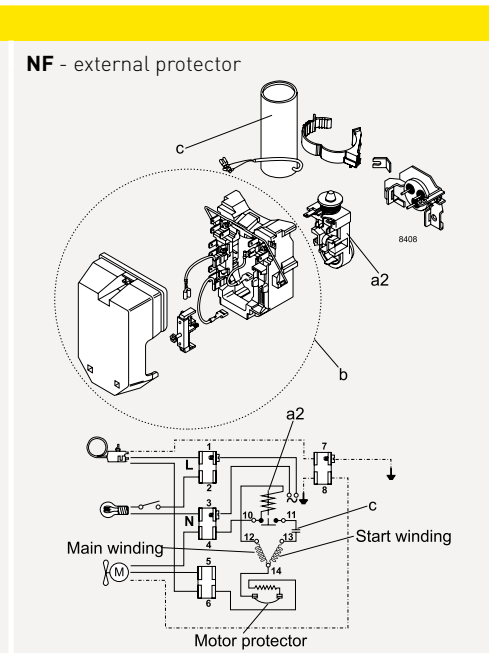
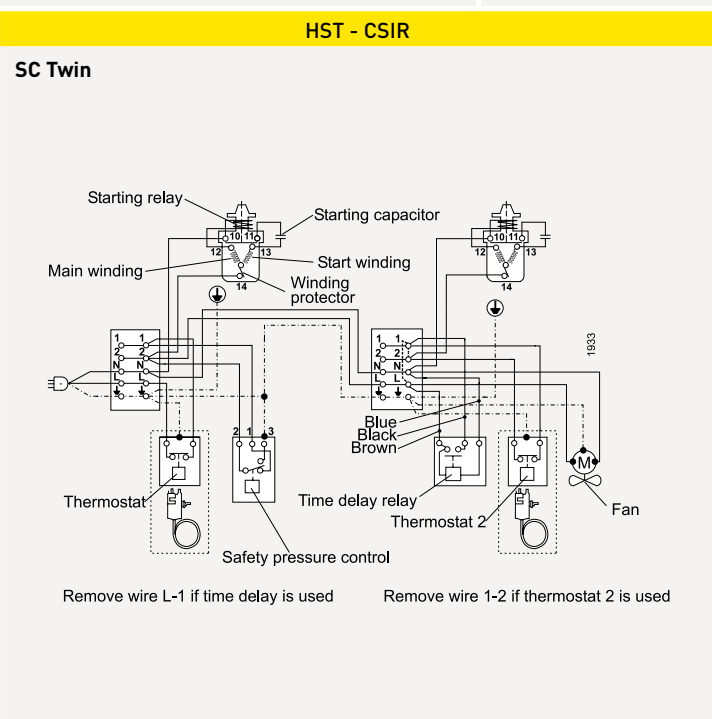
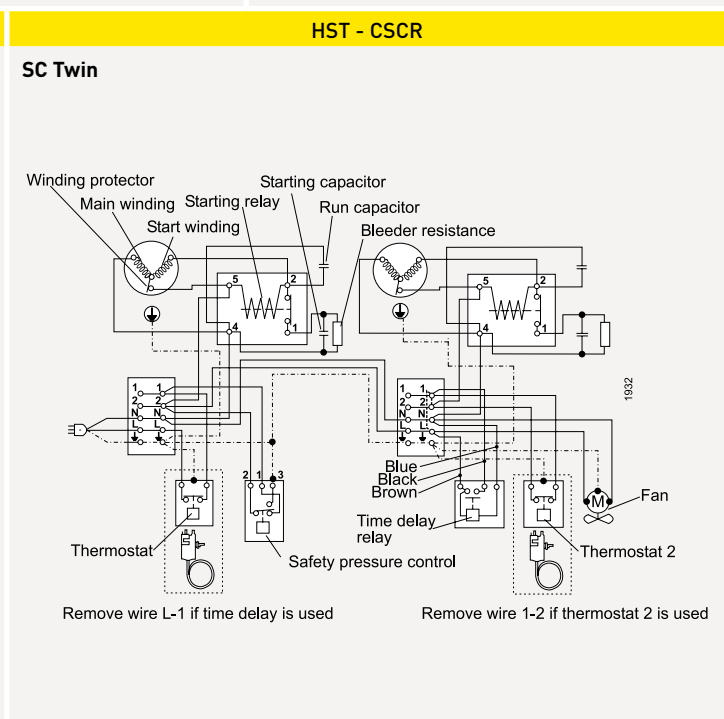
SC-Twin



Electrical Equipment · Motor Systems for Secop Compressors

HST - CSIR NL/NLE 	LST - RSIR NL/NLE 	LST - RSCR NL/NLE 
LST - RSIR GTK - external protector 	LST - RSCR GTK - external protector 	
LST - RSIR KLF - external protector 	LST - RSCR KLF - external protector 	HST - CSIR KLE/KLF/FRK - external protector 

Electrical Equipment · Motor Systems for Secop Compressors

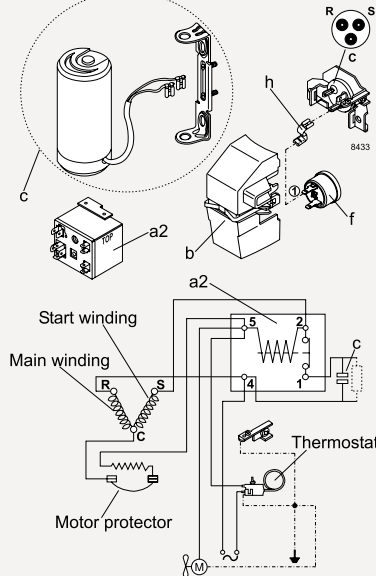
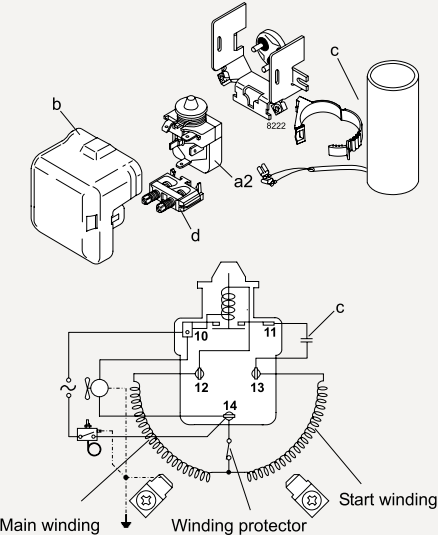
PL 	NF - external protector 	NF - external protector 
PL 	NF - external protector 	NF - external protector 
HST - CSIR SC Twin 	HST - CSCR SC Twin 	

Electrical Equipment · Motor Systems for Secop Compressors

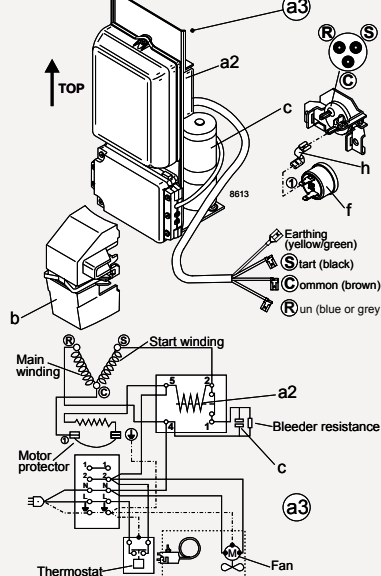
HST - CSII

SC

SC - external protection



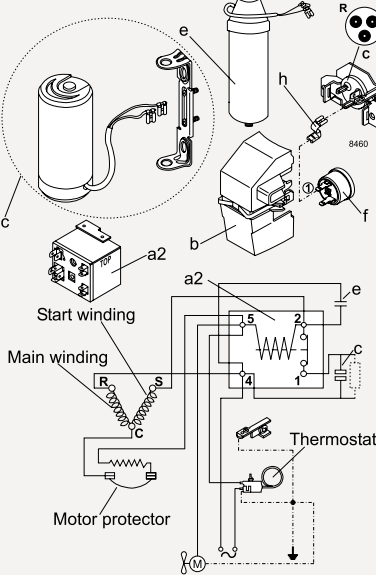
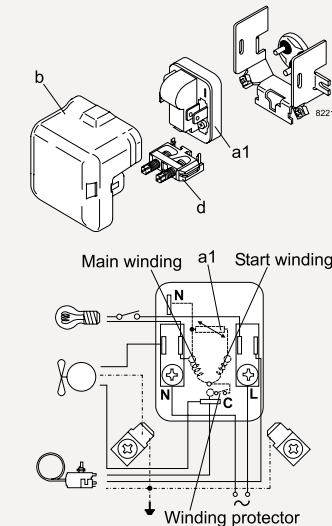
SC - external protection



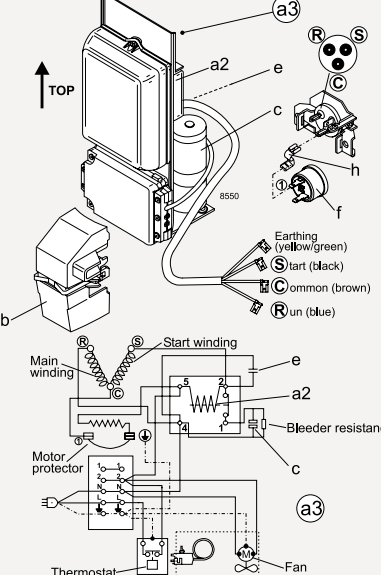
LST - RSIM

SC

SC - external protection



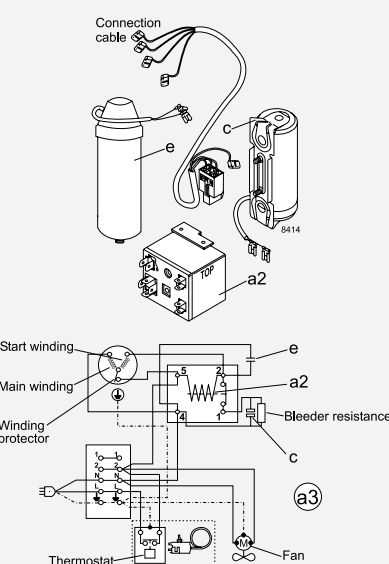
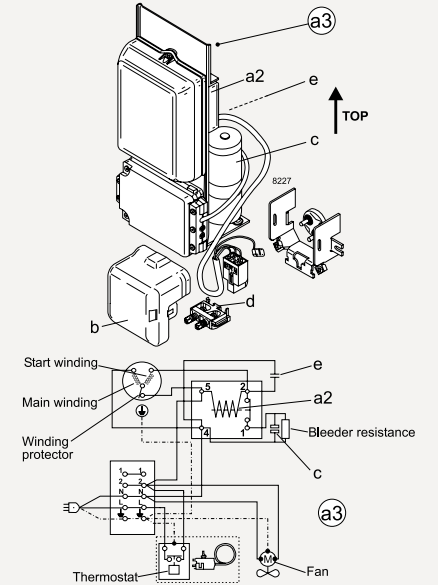
SC - external protection



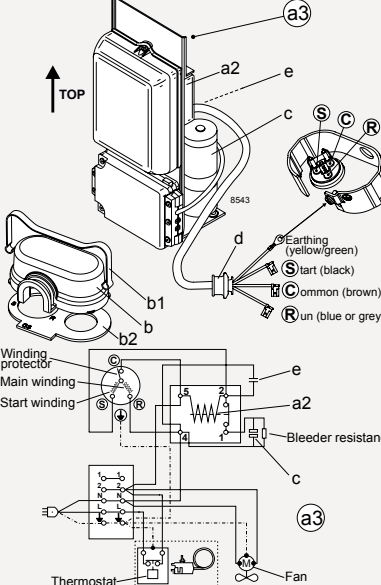
HST - CSCF

SC

SC (kit) - alternative to starting device



GS



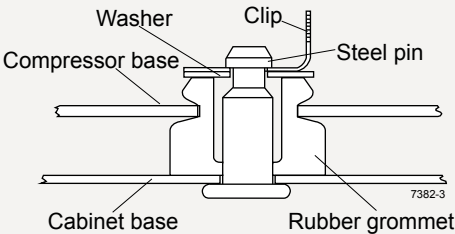
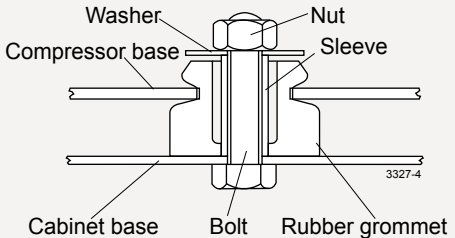
Mounting Accessories

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

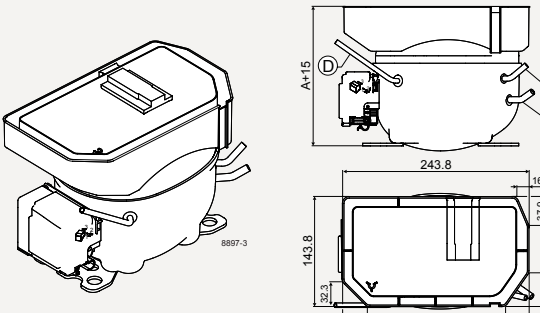
ePTC: Electronically controlled PTC

- Compressor restart possible after a few seconds
- Operational wattage loss reduced by 2 watt
- PTC protection screen not needed (surface temp. $< 82^{\circ}\text{C}$)

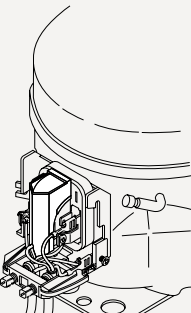
Legend

- a1:** PTC or ePTC starting device
- a2:** Starting relay
- a3:** Starting device
- a4:** Terminal board incl. PTC and protector
- a5:** Terminal board incl. relay
- a6:** Terminal board incl. relay and protector
- b:** Cover
- b1:** Clamp (part of compressor)
- b2:** Gasket (part of compressor)
- c:** Starting capacitor
- d:** Cord relief
- e:** Run capacitor
- e1:** Run capacitor holder
- f:** Protector
- g:** Protection screen for PTC
- h:** Holder

K-Series (GTK) · evaporation tra



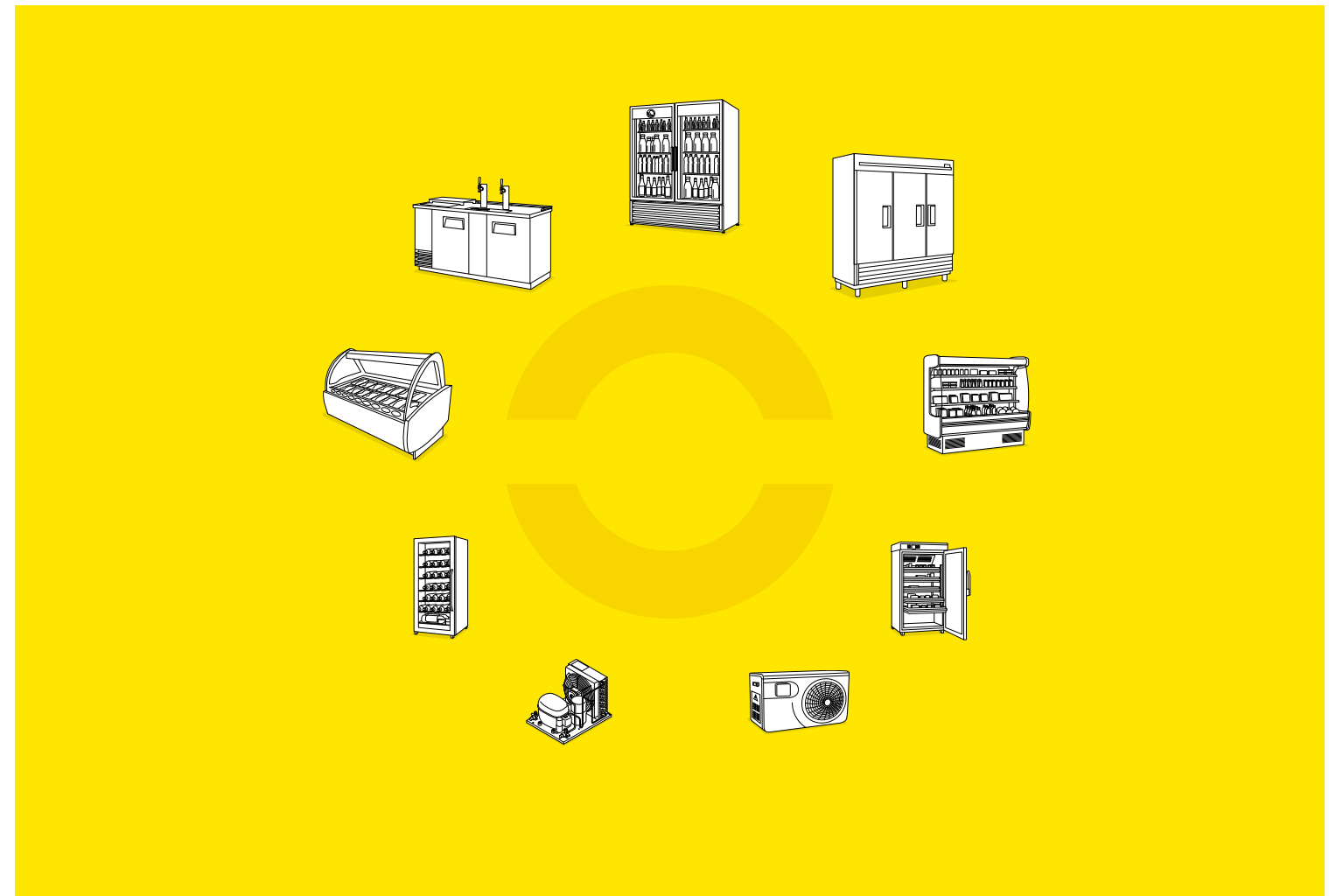
PTC protection screen



Note [GTK, KLE and FRK compressors excluded]:
To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.

HERMETIC COMPRESSORS

HC, HFC REFRIGERANTS | 60 Hz



Imperial Units

R600a | R290
R134a · R513A
R404A · R452A

115–127V · 60 Hz
110–127V · 50/60 Hz
220–240V · 50/60 Hz
208–230V · 60 Hz
200–240V · 50 Hz

R134a · 115-127 V · 60 Hz | 110-127 V · 50/60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement [cu.in.]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling [refer to data sheet]
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
PL30F	101G9100	L/M/HBP	–	89	187	252	422	657	103	2.03	270	4.07	521	6.40	0.09	90-127 V, 60 Hz *	S
PL50F	101G9202	L/MBP	–	155	290	374	585	–	175	2.70	391	4.42	–	–	0.12	103-127 V, 60 Hz	S
KLE4.0CFHX	106G6403	L/M/HBP	–	360	645	838	1349	2063	400	4.01	883	6.16	1642	8.93	0.24	95-140 V, 60 Hz	S
KLE4.8CFHX	106G6503	L/M/HBP	–	501	868	1111	1752	2644	553	4.42	1162	6.40	2111	9.24	0.29	95-140 V, 60 Hz	F2
KLE5.6CFHX	106G6603	L/M/HBP	–	599	1035	1317	2044	3039	662	4.43	1370	6.34	2436	8.90	0.34	95-140 V, 60 Hz	F2
KLE6.6CFHX	106G6703	L/M/HBP	–	725	1249	1586	2451	3629	801	4.57	1648	6.38	2913	8.78	0.40	95-140 V, 60 Hz	F2
KLE7.7CFHX	106G6803	L/MBP	–	827	1407	1786	2753	4045	909	4.55	1855	6.19	3255	8.24	0.47	95-140 V, 60 Hz	F2
NF5.5FX	105G5623	L/MBP	281	628	1098	1398	2165	–	696	4.12	1454	5.71	2575	8.12	0.37	95-135 V, 60 Hz	F2
NF6.1FX.2	105G5631	L/MBP	293	648	1161	1490	2315	–	721	4.06	1554	6.09	2738	8.36	0.37	95-135 V, 60 Hz	F1
NF6FK	105G5628	L/MBP	270	603	1054	1342	2079	–	668	3.88	1396	5.38	2472	7.65	0.37	95-135 V, 60 Hz	F2
NF7FK	105G5728	L/MBP	383	759	1275	1608	2468	–	834	4.09	1665	5.48	2931	7.61	0.44	95-135 V, 60 Hz	F2
NF7FX	105G5723	L/MBP	395	783	1314	1657	2545	–	860	4.00	1717	5.54	3022	7.79	0.44	95-135 V, 60 Hz	F2
NF7.3FX.2	105G5722	L/MBP	387	806	1413	1801	2776	–	893	3.95	1872	5.81	3271	7.94	0.44	95-135 V, 60 Hz	F1
NF8.4FX.2	105G5918	L/MBP	–	934	1613	2047	3138	–	1031	4.16	2123	5.88	3688	7.90	0.51	95-135 V, 60 Hz	F1
NF9FX	105G5920	L/MBP	–	852	1454	1848	2864	–	937	3.83	1923	5.54	3402	7.53	0.51	95-135 V, 60 Hz	F2
NF10FX	105G5941	L/MBP	–	952	1625	2060	3184	–	1048	4.01	2140	5.48	3787	7.40	0.62	95-135 V, 60 Hz	F2
NF11FX	105G5945	MBP	477	996	1726	2199	3419	–	1100	3.72	2290	5.19	4077	7.05	0.68	95-135 V, 60 Hz	F2
NF11FX.2	105G5916	MBP	–	–	2054	2615	4025	–	–	–	2717	5.62	4739	7.57	0.69	95-135 V, 60 Hz	F2
SC12G	104G7250	L/M/HBP	203	873	1799	2395	3927	6016	1007	3.38	2548	5.33	4790	7.64	0.79	103-127 V, 60 Hz	F1
SC15FTX	104G7505	LBP	578	1202	2062	2607	–	–	1326	3.27	2701	4.27	–	–	0.93	90-135 V, 60 Hz	F2
SC15G	104G7550	L/M/HBP	–	1085	2183	2898	4663	6882	1237	3.76	3071	5.43	5546	7.24	0.93	103-127 V, 60 Hz	F1
SC18G	104G7800	L/M/HBP	–	1142	2522	3323	5255	7779	1356	3.36	3496	5.06	6250	6.85	1.08	95-135 V, 60 Hz	F2

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST		
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover	
	[HP]	A	B	C (I.D.)	D (I.D.)		E (I.D.)	Spades		Spades		Spades	Spades		Spades				Spades
								1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch			1/4 inch
1/20	5.3	5.2	0.26	0.26	0.20	–	103N0026	103N0023	–	–	–	–	–	117U6000	117U5015	–	103N1010	103N0492	
1/14	5.3	5.2	0.26	0.26	0.20	–	103N0026	103N0023	–	–	–	–	–	117U6000	117U5015	–	103N1010	103N0492	
1/5	7.2	6.9	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U7081	117U5002	–	16058100	10636401	
1/4	7.2	6.9	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U7082	117U5002	–	16058100	10636401	
1/4	7.2	6.9	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U7083	117U5002	–	16058100	10636401	
1/3	7.2	6.9	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U7080	117U5002	–	16058100	10636401	
1/3	7.2	6.9	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U7075	117U5002	–	16058100	10636401	
1/4	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4127	117U5002	–	117U0349	117U1021	
1/4	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4127	117U5025	–	117U0349	117U1021	
1/4	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4132	117U5022	–	117U0349	117U1021	
1/3	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4132	117U5022	–	117U0349	117U1021	
1/3	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4061	117U5025	–	117U0349	117U1021	
1/3	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4061	117U5025	–	117U0349	117U1021	
1/3+	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4129	117U5025	–	117U0349	117U1021	
1/3	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4129	117U5025	–	117U0349	117U1021	
1/3+	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4129	117U5022	–	117U0349	117U1021	
1/2	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4123	117U5028	–	117U0349	117U1021	
1/2	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4151	117U5028	–	117U0349	117U1021	
1/3+	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
1/2	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
1/2	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
3/4	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	117-7441	117U5042	117-7053	–	117U1021	



R134a · 220-240 V · 50/60 Hz | 208-230 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement	Voltage and frequencies (*dual frequency type with 50/60 Hz)	Compressor cooling [refer to data sheet]
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
PL35G	101G0250	L/M/HBP	–	145	270	349	546	–	163	2.98	364	4.30	–	–	0.12	198-254 V, 60 Hz *	F1
KLE4.0GFTX	106G5403	L/MBP	165	378	670	857	1333	1978	420	4.10	893	6.20	1587	8.82	0.24	198-253 V, 60 Hz *	F2
KLE4.8GFTX	106G5503	L/MBP	258	477	839	1079	1689	2490	527	4.44	1128	6.55	2004	9.24	0.29	198-253 V, 60 Hz *	F2
KLE5.6GFTX	106G5603	L/MBP	306	598	1024	1302	2018	2988	658	4.69	1354	6.65	2399	9.31	0.34	198-253 V, 60 Hz *	F2
KLE6.6GFTX	106G5703	L/MBP	366	709	1222	1557	2414	3563	782	4.68	1620	6.53	2864	8.97	0.40	198-253 V, 60 Hz *	F2
KLE7.7GFTX	106G5803	L/MBP	434	825	1404	1781	2737	4008	907	4.74	1848	6.33	3228	8.40	0.47	198-253 V, 60 Hz *	F2
KLE8.6GFTX	106G5903	L/MBP	500	928	1595	2029	3123	–	1022	4.60	2108	6.07	3675	7.90	0.52	198-253 V, 60 Hz *	F2
KLF6.6MFT	106G2701	MBP	–	680	1209	1552	2421	–	755	4.69	1621	6.66	2868	9.15	0.40	198-253 V, 60 Hz *	F2
KLF7.7MFT	106G2802	MBP	–	804	1399	1787	2766	–	888	4.68	1861	6.40	3262	8.49	0.47	198-253 V, 60 Hz *	F2
NL6FT	105G6628	LBP	248	502	841	1058	–	–	551	4.16	–	–	–	–	0.37	198-254 V, 60 Hz *	S
NF7FX	105G6743	L/MBP	389	787	1320	1661	2545	–	864	4.02	1719	5.56	3021	7.82	0.44	198-242 V, 60 Hz	F1
NF10FX	105G6846	L/MBP	512	937	1529	1924	2988	–	1021	3.90	1996	5.23	3605	7.10	0.62	198-242 V, 60 Hz *	F2
NL6.1MF	105G6660	L/MBP	185	498	947	1239	1994	–	562	3.97	1308	5.54	2414	7.62	0.37	187-254 V, 60 Hz *	S
NL7.3MF	105G6772	L/MBP	313	677	1199	1539	2418	–	751	4.06	1609	5.42	2895	7.38	0.44	187-254 V, 60 Hz *	F1
NL8.4MF	105G7802	L/MBP	329	759	1377	1779	2819	–	847	4.20	1867	5.53	3388	7.48	0.51	187-254 V, 60 Hz *	F1
NL10MF	105G6885	L/MBP	465	985	1716	2190	3417	–	1090	4.40	2283	5.66	4086	7.62	0.62	187-254 V, 60 Hz *	F1
NLE12.6MF.2	105G6387	L/MBP	994	1347	2241	2892	4605	–	1459	5.11	3040	6.83	–	–	0.77	198-254 V, 60 Hz *	F2
NLE12.6MFT	105G6388	L/MBP	994	1347	2241	2892	4605	–	1459	5.11	3040	6.83	–	–	0.77	198-254 V, 60 Hz *	F2
FRK5G	106G5453	L/MBP	160	366	650	831	1293	1918	407	3.98	866	6.03	1540	8.54	0.24	198-253 V, 60 Hz *	F2
FRK6G	106G5553	L/MBP	251	463	814	1047	1639	2415	511	4.33	1094	6.35	1944	8.96	0.29	198-253 V, 60 Hz *	F2
FRK7.5G	106G5653	L/MBP	297	580	993	1263	1957	2898	638	4.56	1313	6.45	2327	9.03	0.34	198-253 V, 60 Hz *	F2
FRK8.5G	106G5753	L/MBP	359	695	1197	1525	2364	3489	766	4.51	1587	6.27	2804	8.60	0.40	198-253 V, 60 Hz *	F2
FRK10G	106G5853	L/MBP	415	788	1343	1703	2619	3837	867	4.71	1767	6.34	3090	8.45	0.47	198-253 V, 60 Hz *	F2
FRK11G	106G5953	L/MBP	478	887	1525	1941	2991	–	977	4.59	2017	6.10	3521	7.98	0.52	198-253 V, 60 Hz *	F2
SC10G	104G8000	L/M/HBP	119	565	1331	1831	–	–	670	2.95	1972	5.43	–	–	0.63	198-254 V, 60 Hz *	F2
SC10GH	104G8041	HBP	–	–	1361	1793	2909	4446	–	–	1899	5.08	3541	6.89	0.63	198-254 V, 60 Hz *	F2
SC12FT	104G8205	LBP	531	1152	2020	2576	–	–	1276	4.04	2680	5.44	–	–	0.79	198-254 V, 60 Hz *	F1
SC15FT	104G8505	LBP	655	1395	2417	3069	–	–	1542	4.09	3185	5.54	–	–	0.93	198-254 V, 60 Hz *	F2
SC12G	104G8240	L/M/HBP	318	865	1722	2297	–	–	983	3.50	2451	5.47	–	–	0.79	198-254 V, 60 Hz *	F2
SC12G	104G8245	MBP	–	–	1573	2200	3852	6162	–	–	2401	5.65	4855	8.37	0.79	187-254 V, 60 Hz	F2
SC12GH	104G8261	HBP	–	–	1573	2168	3734	5923	–	–	2350	5.52	4676	8.12	0.79	198-254 V, 60 Hz *	F2
SC15G	104G8520	L/M/HBP	–	1114	2182	2867	–	–	1263	3.64	3020	5.58	–	–	0.93	198-254 V, 60 Hz *	F2
SC15G	104G8526	MBP	–	–	1988	2720	4449	6668	–	–	2907	5.69	5344	8.11	0.93	187-254 V, 60 Hz	F2
SC15GH	104G8561	HBP	–	–	1792	2459	4292	6927	–	–	2673	5.70	5443	8.16	0.93	198-254 V, 60 Hz *	F2
SC18FTX	104G8805	LBP	796	1650	2857	3632	–	–	1823	4.11	3774	5.69	–	–	1.08	198-254 V, 60 Hz *	F2
SC18G	104G8820	L/M/HBP	–	1422	2632	3407	–	–	1596	3.86	3572	5.41	–	–	1.08	198-254 V, 60 Hz *	F2
SC18G	104G8823	MBP	–	–	2426	3158	5122	7903	–	–	3336	6.03	6276	8.56	1.08	187-254 V, 60 Hz	F2
SC18GH	104G8861	HBP	–	–	2426	3158	5122	7903	–	–	3336	6.03	6276	8.56	1.08	198-254 V, 60 Hz *	F2
SC18MFX	104G8804	MBP	–	–	2822	3595	5598	8355	–	–	3744	5.96	6691	8.09	1.08	187-254 V, 60 Hz *	F2
SC21FTX	104G8106	LBP	1017	1985	3379	4278	–	–	2184	4.39	4437	5.77	–	–	1.28	187-254 V, 60 Hz	F2
SC21G	104G8140	L/M/HBP	–	1304	2780	3729	–	–	1516	3.67	3980	5.69	–	–	1.28	198-254 V, 60 Hz *	F2
SC21G	104G8143	L/M/HBP	–	1304	2780	3729	–	–	1516	3.67	3980	5.69	–	–	1.28	198-254 V, 60 Hz *	F2

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)		HST (CSIR & CSCR)			LST/HST	
	refer to data sheet for more info						PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	Spades		Spades		Spades	Spades		Spades		Spades		
	A	B	C (I.D.)	D (I.D.)	E (I.D.)		1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch	1/4 inch		
[HP]	A	B	C (I.D.)	D (I.D.)	E (I.D.)	alt. connectors available	1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch	1/4 inch		
1/15	5.4	5.3	0.24	0.24	0.20	X	103N0011	103N0018	-	-	-	-	-	117U6021	117U5014	-	103N1010	103N0491
1/6	7.2	6.9	0.24	0.24	0.20	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
1/6	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
1/5	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7070	117U5001	-	16058100	10636401
1/4	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/3	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/3+	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/4	7.2	6.9	0.32	0.24	0.24	-	-	-	103N0250	103N0252	-	117-7191	117-7190	117U7071	117U5001	-	16058100	10636401
1/3	7.2	7.5	0.32	0.24	0.24	-	-	-	103N0250	103N0252	-	117-7191	117-7190	117U7071	117U5001	-	16058100	10636401
1/6	7.8	7.5	0.24	0.24	0.20	-	103N0011	103N0018	-	-	-	-	-	117U6000	117U5015	-	103N1010	103N2010
1/4	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	-	-	-	117U4140	117U5018	-	117U0349	117U1023
1/3	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	-	-	-	117U4139	117U5018	-	117U0349	117U1021
1/5	7.5	7.2	0.32	0.24	0.24	X	103N0011	103N0018	-	-	-	-	-	117U6015	117U5015	-	103N1010	103N2011
1/4	7.8	7.5	0.32	0.24	0.24	X	103N0011	103N0018	-	-	-	-	-	117U6016	117U5015	-	103N1010	103N2011
1/3	7.8	7.5	0.32	0.24	0.24	X	103N0011	103N0018	-	-	-	-	-	117U6016	117U5015	-	103N1010	103N2011
1/3+	8.0	7.8	0.32	0.24	0.24	X	103N0011	103N0018	-	-	-	-	-	117U6022	117U5018	-	103N1010	103N2011
1/2	8.0	7.8	0.32	0.24	0.24	-	-	-	-	-	103N0050	-	117-7119	117U6005	117U5015	-	103N1010	103N2010
1/2	8.0	7.8	0.32	0.24	0.24	-	-	-	-	-	103N0050	-	117-7119	117U6005	117U5015	-	103N1010	103N2010
1/6	7.2	6.9	0.24	0.24	0.20	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
1/6	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7073	117U5001	-	16058100	10636401
1/5	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7070	117U5001	-	16058100	10636401
1/4	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/3	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/3+	7.2	6.9	0.32	0.24	0.24	-	-	-	-	-	-	-	-	117U7071	117U5001	-	16058100	10636401
1/5	7.8	7.6	0.32	0.24	0.24	-	103N0011	-	-	-	-	-	-	117U6002	117U5017	-	103N1004	103N2009
1/3	8.2	8.0	0.40	0.24	0.32	-	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2008
1/3	8.2	8.0	0.32	0.24	0.24	-	103N0011	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009
1/2	8.2	8.0	0.40	0.24	0.24	X	103N0011	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
1/3+	8.2	8.0	0.32	0.24	0.24	X	103N0011	-	-	-	-	-	-	117U6003	117U5017	-	103N1004	103N2009
1/3+	8.2	8.0	0.40	0.26	0.26	X	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
1/3+	8.2	8.0	0.40	0.24	0.32	-	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
1/2	8.2	8.0	0.40	0.24	0.24	X	-	-	-	-	-	-	-	117U6005	117U5017	-	103N1004	103N2009
1/2	8.2	8.0	0.40	0.26	0.26	X	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
1/2	8.2	8.0	0.40	0.24	0.32	X	-	-	-	-	-	-	-	117U6011	117U5017	-	103N1004	103N2008
1/2+	8.6	8.4	0.40	0.24	0.24	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
1/2	8.6	8.4	0.40	0.24	0.24	X	-	-	-	-	-	-	-	117U6019	117U5017	-	103N1004	103N2009
3/4	8.6	8.4	0.40	0.26	0.26	X	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
3/4	8.6	8.4	0.40	0.24	0.32	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
3/4	8.6	8.4	0.40	0.24	0.24	-	-	-	-	-	-	-	-	117U5017	117-7027	103N1004	103N2008	
3/4	8.6	8.4	0.40	0.24	0.24	-	-	-	-	-	-	-	-	-	117U5373	117-7039	103N1004	103N2008
3/4+	8.6	8.4	0.40	0.24	0.24	X	-	-	-	-	-	-	-	-	117U5373	117-7029	103N1004	103N2009
3/4+	8.6	8.4	0.40	0.24	0.24	X	-	-	-	-	-	117-7121*	-	117-7427	117U5373	117-7039	103N1004	103N2008

R404A/R507 · 115-127 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]							ASHRAE						Displacement	Voltage and frequencies (*dual frequency type with 50/60 Hz)	Compressor cooling cooling (refer to data sheet)
										LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER				
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[cu.in]			
NF5.5CLX	105F1621	L/MBP	653	1147	1837	2271	3354	–	1247	4.20	2233	5.22	3716	6.65	0.37	95-135 V, 60 Hz	F2	
NF7CLX	105F1721	L/MBP	776	1412	2300	2859	4254	–	1541	4.19	2819	5.33	4728	6.84	0.44	95-135 V, 60 Hz	F2	
SC10CL	104L1503	L/MBP	443	1258	2388	3105	4914	–	1422	3.37	3135	4.86	5637	6.75	0.63	103-127 V, 60 Hz	F2	
SC12CL	104L1603	LBP	771	2131	3744	4691	–	–	2378	3.78	–	–	–	–	0.79	103-127 V, 60 Hz	F2	
SC12CLX.2	104L1696	LBP	1036	2241	3771	4696	–	–	2470	3.89	4625	4.89	–	–	0.79	103-127 V, 60 Hz	F2	
SC12MLX	104L1606	MBP	–	–	3500	4409	6735	–	–	–	4386	5.20	7621	7.07	0.79	95-135 V, 60 Hz	F2	
SC15CLX.2	104L1853	LBP	1409	2739	4564	5704	–	–	3005	4.12	5636	5.34	–	–	0.93	103-127 V, 60 Hz	F2	
SC15MLX	104L1805	MBP	–	–	4101	5165	7886	–	2694	3.75	5136	4.80	8921	6.51	0.93	95-135 V, 60 Hz	F2	
SC15MLX.2	104L1807	MBP	–	–	4212	5246	7892	–	–	–	5187	5.14	8865	6.85	0.93	103-127 V, 60 Hz	F2	
SC18CLX.2	104L2198	LBP	1712	3393	5121	6156	–	–	3664	4.48	5974	5.31	–	–	1.08	103-127 V, 60 Hz	F2	
SC18MLX	104L2105	MBP	–	–	5191	6456	9691	–	–	–	6378	5.03	10876	6.79	1.08	103-127 V, 60 Hz	F2	

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST		
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover	
	[HP]	A	B	C (I.D.)	D (I.D.)		E (I.D.)	Spades		Spades		Spades	Spades		Spades				Spades
								1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch			1/4 inch
1/3	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4061	117U5025	–	117U0349	117U1021	
1/2	7.8	7.5	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U4129	117U5022	–	117U0349	117U1021	
1/2	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
3/4	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
3/4	8.2	8.0	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6020	117U5023	–	103N1004	103N2008	
3/4	8.6	8.4	0.32	0.26	0.26	–	–	–	–	–	–	117-7133	–	117-7441	117U5042	117-7053	–	117U1021	
3/4	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117-7114	–	117-7441	117U5043	117-7045	–	117U1021	
3/4	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117-7114	–	117-7441	117U5043	117-7045	–	117U1021	
3/4	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117-7114	–	117-7441	117U5043	117-7045	–	117U1021	
1	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	117-7114	–	117-7441	117U5043	117-7045	–	117U1021	
1	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117-7114	–	117-7441	117U5043	117-7045	–	117U1021	

R404A/R507 · 220-240 V · 50/60 Hz | 208-230 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement [cu.in]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling [refer to data sheet]
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
NF7MLX	● 105F3720	MBP	–	–	2260	2843	4291	–	–	2819	5.33	4810	6.96	0.44	187-254 V, 60 Hz *	F2	
NL6.1MLX	● 105F3611	MBP	–	–	1853	2331	3518	–	–	2311	5.52	3943	7.51	0.37	187-254 V, 60 Hz *	F2	
SC10CLX	104L2533	L/MBP	529	1576	2786	3489	–	–	1763	3.95	–	–	–	–	0.63	198-254 V, 60 Hz *	F2
SC10MLX	● 104L2506	MBP	–	1620	2874	3650	5578	–	1805	3.91	3636	5.22	6288	6.87	0.63	187-254 V, 60 Hz *	F2
SC12CLX	104L2695	LBP	771	2131	3744	4691	–	–	2378	4.20	–	–	–	–	0.79	198-254 V, 60 Hz	F2
SC12CLX.2	104L2699	LBP	1081	2187	3704	4652	–	–	2408	4.33	–	–	–	–	0.79	187-254 V, 60 Hz	F2
SC12CLX.2	● 104L2697	LBP	1081	2187	3704	4652	–	–	2408	4.07	–	–	–	–	0.79	198-254 V, 60 Hz *	F2
SC12MLX	● 104L2606	MBP	–	1998	3445	4339	6563	–	2212	4.02	4305	5.18	7363	6.74	0.79	187-254 V, 60 Hz *	F2
SC15CLX	104L2854	LBP	800	2360	4141	5179	–	–	2636	4.20	–	–	–	–	0.93	198-254 V, 60 Hz	F2
SC15CLX.2	● 104L2897	LBP	1409	2739	4564	5704	–	–	3005	4.53	–	–	–	–	0.93	187-254 V, 60 Hz	F2
SC15MLX.2	104L2803	MBP	–	–	4210	5243	7918	–	–	–	5188	5.32	8933	7.37	0.93	187-254 V, 60 Hz	F2
SC18CLX.2	104L2195	LBP	1774	3516	5306	6379	–	–	3797	4.76	–	–	–	–	1.08	187-254 V, 60 Hz	F2
SC18MLX	104L2138	MBP	–	–	5191	6456	9691	–	–	–	6378	5.03	10876	6.79	1.08	187-254 V, 60 Hz	F2
SC12/12CLX	104L4034	LBP	1533	4240	7450	9334	–	–	4733	4.18	–	–	–	–	1.57	198-254 V, 60 Hz	F2
GS21CLX	107B0506	LBP	1993	3902	6548	8216	–	–	4286	4.60	–	–	–	–	1.29	187-254 V, 60 Hz	F2
GS21MLX	● 107B0509	MBP	–	4156	6973	8695	13036	–	4580	4.99	8587	6.34	14653	8.69	1.29	187-254 V, 60 Hz	F2
GS26CLX	107B0505	LBP	2453	4456	7216	8995	–	–	4854	4.14	–	–	–	–	1.60	187-254 V, 60 Hz	F2

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST		
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover	
	[HP]	A	B	C (I.D.)	D (I.D.)		E (I.D.)	Spades		Spades		Spades	Spades		Spades				Spades
								1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch			1/4 inch
1/2	8.0	7.8	0.38	0.26	0.26	X	–	–	–	–	–	–	–	117U4139	117U5018	–	117U0349	117U1021	
1/3	8.0	7.8	0.32	0.26	0.26	X	–	–	–	–	–	–	–	117U6022	117U5015	–	103N1010	103N2011	
1/2	8.2	8.0	0.32	0.24	0.24	X	–	–	–	–	–	–	–	117U6005	117U5017	–	103N1004	103N2008	
3/4	8.2	8.0	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U6011	117U5017	–	103N1004	103N2008	
3/4	8.6	8.4	0.32	0.24	0.24	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2008	
3/4	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	–	–	–	–	117-7027	103N1004	103N2008	
3/4	8.6	8.4	0.32	0.24	0.24	X	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2008	
3/4	8.6	8.4	0.32	0.26	0.26	–	–	–	–	–	–	–	–	117U6011	117U5017	–	103N1004	103N2008	
3/4	8.6	8.4	0.40	0.24	0.24	–	–	–	–	–	–	–	–	–	117U5373	117-7039	103N1004	103N2008	
3/4	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	–	–	–	117U5373	117-7039	103N1004	103N2008	
3/4	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	–	–	117-7058	103N1004	103N2008	
1	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	–	–	–	117U5373	117-7066	103N1004	103N2008	
1	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	–	–	117-7066	103N1004	103N2008	
1 1/4	10.2	10.0	0.47	0.24	0.24	–	–	–	–	–	–	–	–	117U6019	117U5017	–	103N1004	103N2009	
1 1/4	10.2	9.7	0.51	0.26	0.32	–	–	–	–	–	–	–	–	–	–	117-7073	–	107B9101	
1 1/4	11.0	10.5	0.51	0.26	0.38	–	–	–	–	–	–	–	–	–	–	117-7073	–	107B9106	
1 1/4	11.0	10.5	0.51	0.26	0.32	–	–	–	–	–	–	–	–	–	–	117-7073	–	107B9101	

R600a · 115-127 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]							ASHRAE						Displacement	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling [refer to data sheet]
										LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER				
			[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[cu.in]			
NLE11KTK	105H5942	L/MBP	360	602	1059	1342	1959	–	665	4.18	1390	5.70	–	–	0.68	95-135 V, 60 Hz	F1	
NLE13KTK	105H5949	L/MBP	415	707	1182	1487	2227	–	773	4.13	1545	5.52	–	–	0.81	95-135 V, 60 Hz	F1	

R290 · 115-127 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]							ASHRAE						Displacement [cu.in.]	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling [refer to data sheet]
										LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity [BTU/h]	EER [BTU/Wh]	Cooling capacity [BTU/h]	EER [BTU/Wh]	Cooling capacity [BTU/h]	EER [BTU/Wh]				
KLF4.0CNH	106H3401	L/MBP	376	715	1142	1402	2043	–	779	5.08	1429	7.13	2347	10.39	0.24	95-135 V, 60 Hz	F2	
KLF4.0CNHS	106H3403	L/MBP	363	690	1101	1352	1971	–	751	4.96	1379	6.96	2264	10.14	0.24	95-135 V, 60 Hz	F2	
KLF4.8CNH	106H3500	L/MBP	534	878	1380	1698	2484	–	950	5.31	1734	7.07	2847	9.93	0.29	95-135 V, 60 Hz	F2	
KLF4.8CNHS	106H3503	L/MBP	516	847	1332	1639	2397	–	916	5.18	1674	6.89	2747	9.68	0.29	95-135 V, 60 Hz	F2	
KLF5.6CNH	106H3601	L/MBP	659	1071	1669	2044	2956	–	1157	5.49	2080	7.19	3358	10.09	0.34	95-135 V, 60 Hz	F2	
KLF5.6CNHS	106H3603	L/MBP	635	1033	1610	1972	2852	–	1116	5.35	2006	7.01	3240	9.83	0.34	95-135 V, 60 Hz	F2	
KLF6.6CNH	106H3700	L/MBP	765	1254	1957	2402	3505	–	1355	5.51	2450	7.08	4018	9.88	0.40	95-135 V, 60 Hz	F2	
KLF6.6CNHS	106H3703	L/MBP	738	1210	1889	2318	3382	–	1308	5.37	2364	6.91	3877	9.63	0.40	95-135 V, 60 Hz	F2	
KLF7.7CNH	106H3802	L/MBP	945	1506	2314	2826	4098	–	1622	5.53	2875	7.02	4686	9.59	0.47	95-135 V, 60 Hz	F2	
KLF7.7CNHS	106H3803	L/MBP	852	1401	2160	2637	3822	–	1511	5.09	2682	6.64	4375	9.37	0.47	95-135 V, 60 Hz	F2	
NL7.3CNX.2	105H6790	L/MBP	831	1329	2085	2568	3759	–	1436	4.89	2624	6.68	4306	9.25	0.44	95-135 V, 60 Hz	F2	
NL8.4CNX.2	105H6090	L/MBP	909	1534	2384	2919	4259	–	1658	5.01	2975	6.55	4904	8.97	0.51	95-135 V, 60 Hz	F2	
NLE8.0CN	105H6093	L/MBP	831	1431	2214	2705	3952	–	1546	5.36	2756	7.08	4575	9.88	0.49	95-135 V, 60 Hz	F2	
NLE8.8CN	105H6094	L/MBP	1007	1621	2518	3076	4424	–	1751	5.37	3125	7.11	4999	8.81	0.53	95-135 V, 60 Hz	F2	
NLE10CN	105H6194	L/MBP	1184	1921	2962	3604	5145	–	2073	5.20	3651	6.98	5792	9.12	0.62	103-127 V, 60 Hz	F2	
NLE12.6CNS	105H6392	L/MBP	1250	2348	3719	4524	6410	8712	2556	5.47	4575	6.76	7170	8.67	0.77	103-135 V, 60 Hz	F2	
NLE11CNL	105H5981	LBP	1306	2118	3297	4006	–	–	2291	5.54	–	–	–	–	0.68	95-135 V, 60 Hz	F2	
NLE11MN	105H5980	MBP	–	2104	3331	4055	5790	8007	2292	5.24	4106	6.97	6553	9.38	0.68	95-127 V, 60 Hz	F2	
NLY10CN	105H6164	L/MBP	1227	1875	2923	3586	5167	–	2023	5.46	3649	7.33	5813	9.72	0.62	95-135 V, 60 Hz	F2	
SC10CNX.2	104H7070	L/MBP	531	1361	2480	3172	4868	–	1525	3.98	3302	6.38	–	–	0.63	95-135 V, 60 Hz	F2	
SC12CNX.2	104H7270	L/MBP	961	1902	3171	3955	5876	–	2088	4.40	4065	6.39	–	–	0.79	95-135 V, 60 Hz	F2	
SC15MNX	104H7570	MBP	–	2070	3945	4772	6744	–	2429	4.25	4795	6.04	7888	8.58	0.93	100-127 V, 60 Hz	F2	
SC18MNX	104H7870	MBP	–	2838	4415	5343	7780	–	3090	4.65	5419	6.22	9154	8.84	1.08	103-127 V, 60 Hz	F2	
SCE15CNLX	104H7578	LBP	966	2467	4169	5158	–	–	2731	5.38	5269	7.36	–	–	0.93	103-127 V, 60 Hz	F2	
SCE18CNLX	104H7878	LBP	1256	2936	4822	6007	–	–	3222	5.50	6205	7.26	–	–	1.08	103-127 V, 60 Hz	F2	
SCE21CNLX	104H7178	LBP	1699	3465	5585	6873	–	–	3785	5.49	7021	7.13	–	–	1.28	103-127 V, 60 Hz	F2	
SCE15MNX	104H7579	MBP	–	–	4073	5099	7534	–	–	–	5241	6.99	8580	9.85	0.93	103-127 V, 60 Hz	F2	
SCE18MNX	104H7879	MBP	–	–	4854	6013	8728	–	–	–	6134	7.26	9934	10.11	1.08	103-127 V, 60 Hz	F2	

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR) refer to data sheet for more info					Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST	
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
	[HP]	A	B	C (I.D.)	D (I.D.)		E (I.D.)	Spades		Spades	Spades	Spades		Spades	Spades			
								1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch		
1/6	7.8	7.5	0.32	0.26	0.26	–	103N0026	103N0023	103N0027	103N0024	–	117-7118	117-7120	–	–	–	103N1010	103N2011
1/5	7.8	7.5	0.32	0.26	0.26	–	103N0026	103N0023	103N0027	103N0024	–	117-7118	117-7120	–	–	–	103N1010	103N2011

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)		HST (CSIR & CSCR)			LST/HST	
	Height (inch)		Connectors location/I.D. (inch)			alt. connectors available	refer to data sheet for more info					→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
							PTC starting device		PTC starting device with RC connector		ePTC							
	[HP]	A	B	Suction C (I.D.)	Process D (I.D.)		Dis- charge E (I.D.)	Spades		Spades		Spades	Spades		Spades			
1/4 inch		3/16 inch	1/4 inch	3/16 inch	3/16 inch		1/4 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch	1/4 inch					
1/5	7.2	6.9	0.32	0.26	0.26	-	-	-	103N0210	-	-	117-7153*	-	117U7074	117U5002	--	16058100	10636401
1/5	7.2	6.9	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7074	117U5002	--	16058100	10636401
1/4	7.2	6.9	0.32	0.26	0.26	-	-	-	103N0212	-	-	117-7153*	-	117U7072	117U5002	--	16058100	10636401
1/4	7.2	6.9	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7072	117U5002	--	16058100	10636401
1/4+	7.2	6.9	0.32	0.26	0.26	-	-	-	103N0212	-	-	117-7153*	-	117U7075	117U5002	--	16058100	10636401
1/4+	7.2	6.9	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7075	117U5002	--	16058100	10636401
1/3	7.2	7.5	0.32	0.26	0.26	-	-	-	103N0212	-	-	117-7153*	-	117U7076	117U5002	--	16058100	10636401
1/3	7.2	6.9	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7076	117U5002	--	16058100	10636401
1/3+	7.2	6.9	0.32	0.26	0.26	-	-	-	103N0214	-	-	117-7153*	-	117U7078	117U5002	--	16058100	10636401
1/3+	7.2	6.9	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7078	117U5002	--	16058100	10636401
1/2	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	-	-	-	117U7013	117U5035	-	103N1010	103N2011
1/2	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	-	-	-	117U7013	117U5035	-	103N1010	103N2011
2/5	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	103N0058	117-7147	117-7146	117U7013	117U5023	-	103N1010	103N2011
1/2	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	103N0058	117-7114		117U7014	117U5025	-	103N1010	103N2011
3/5	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	103N0058	117-7118	117-7120	117U7018	117U5025	-	103N1010	103N2011
3/4	8.0	7.8	0.32	0.26	0.26	-	-	-	-	-	-	-	-	117U7023	117U5039	-	103N1010	103N2010
2/3	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	103N0058	117-7114	-	117U7020	117U5039	-	103N1010	-
2/3	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	103N0058	117-7114	-	117U7020	117U5023	-	103N1010	-
1/2	8.0	7.8	0.32	0.26	0.26	X	-	-	-	-	-	117-7118	117-7120	117U7020	117U5035	-	103N1010	103N2011
1/2	8.2	8.0	0.38	0.26	0.26	-	-	-	-	-	-	-	-	117U7020	117U5023	-	103N1004	103N2008
3/4	8.2	8.0	0.38	0.26	0.26	X	-	-	-	-	-	-	-	117U7020	117U5023	-	103N1004	103N2008
2/3	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	117-7114	-	117-7441	117U5043	117-7053	-	117U1021
3/4	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	-	-	-	-	117-7053	-	117U1021
2/3+	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	-	117-7133	117-7441	117U5350	117-7801	-	117U1021
3/4	8.6	8.4	0.38	0.26	0.26	X	-	-	-	-	-	-	117-7133	117-7441	117U5350	117-7801	-	117U1021
1/1	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	-	117-7133	117-7443	117U5379	117-7805	-	117U1021
1/2+	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	-	117-7133	117-7441	117U5350	117-7801	-	117U1021
3/4	8.6	8.4	0.38	0.26	0.26	-	-	-	-	-	-	-	117-7133	117-7443	117U5379	117-7805	-	117U1021

R600a · 220-240 V · 50/60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement	Voltage and frequencies (*dual frequency type with 50/60 Hz)	Compressor cooling cooling (refer to data sheet)
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
NLE9KTK	105H6071	LBP	262	473	801	1022	-	-	519	4.41	-	-	-	-	0.51	198-253 V, 60 Hz *	S

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

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement	Voltage and frequencies [*dual frequency type with 50/60 Hz]	Compressor cooling cooling (refer to data sheet)
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
HXK80AT	CDO00135	LBP	291	526	851	1054	–	–	573	6.04	–	–	–	–	0.49	198-253 V, 60 Hz *	S
HXK87AT	CD000136	LBP	365	577	934	1158	–	–	627	6.04	–	–	–	–	0.54	198-253 V, 60 Hz *	S
HXK95AT	CDO00137	LBP	399	630	1020	1265	–	–	685	6.04	–	–	–	–	0.59	198-253 V, 60 Hz *	S
HXK12AT	CDO00219	LBP	468	741	1196	1492	–	–	805	5.97	–	–	–	–	0.68	198-253 V, 60 Hz *	S
HXK55NG	16512000	L/MBP	156	339	603	769	–	–	377	5.58	805	7.73	–	–	0.34	187-253 V, 60 Hz *	S
HXK70NG	16512800	L/MBP	223	433	722	905	1365	–	474	5.69	940	7.60	–	–	0.43	195-253 V, 60 Hz *	S

R290 · 220-240 V · 50/60 Hz | 208-230 V · 60 Hz

Compressor	Code number	Application	ASHRAE Capacity [BTU/h] Tc=130°F, Tliq=90°F, Tsuc=90°F Evaporating temperature [°F]						ASHRAE						Displacement [cu.in.]	Voltage and frequencies (*dual frequency type with 50/60 Hz)	Compressor cooling (refer to data sheet)
									LBP rating point -10°F / 130°F		MBP rating point 20°F / 130°F		HBP rating point 45°F / 130°F				
			-31	-13	5	14	32	50	Cooling capacity	EER	Cooling capacity	EER	Cooling capacity	EER			
									[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]	[BTU/h]	[BTU/Wh]			
KLF4.0CNT	106H2402	L/MBP	417	742	1170	1432	2071	2894	806	5.72	1456	7.79	2362	10.82	0.24	187-254 V, 60 Hz *	F2
KLF4.8CNT	106H2502	L/MBP	549	883	1380	1702	2516	–	954	5.61	1743	7.54	2915	10.51	0.29	187-254 V, 60 Hz *	F2
KLF5.6CNT	106H2602	L/MBP	668	1069	1677	2062	3005	–	1156	5.73	2105	7.50	3426	10.41	0.34	187-254 V, 60 Hz *	F2
KLF6.6CNT	106H2702	L/MBP	755	1304	1983	2396	3420	–	1406	5.58	2422	7.13	3896	9.80	0.40	187-254 V, 60 Hz *	F2
KLF7.7CNT	106H2808	L/MBP	948	1554	2355	2851	4083	–	1672	5.87	2886	7.53	4650	10.26	0.47	187-254 V, 60 Hz *	F2
NLE8.0CNT	105H6073	L/MBP	730	1380	2207	2710	3949	–	1504	5.18	2763	6.96	4531	9.94	0.49	187-242 V, 60 Hz *	F2
NLE8.8CNT	105H6088	L/MBP	941	1609	2518	3076	4425	–	1743	5.32	3124	6.99	5015	9.55	0.53	187-253 V, 60 Hz	F2
NLE10CNT	105H6179	L/MBP	1096	1909	2983	3632	5185	–	2069	5.57	3680	7.17	5843	9.62	0.62	187-242 V, 60 Hz *	F2
NLE11CNLT	105H6109	LBP	1421	2106	3342	4074	–	–	2282	5.64	–	–	–	–	0.68	187-253 V, 60 Hz	F2
NLE11MNT	105H6199	MBP	–	–	3293	3981	5647	–	–	–	4020	6.89	6371	9.31	0.68	187-253 V, 60 Hz	F2
SC18CNLX.2	104H8877	LBP	1559	2922	4327	5184	–	–	3142	4.96	5238	6.55	–	–	1.08	198-254 V, 60 Hz	F2
SC21CNLX.2	104H8177	LBP	1945	3614	5297	6305	–	–	3880	4.95	6342	6.07	–	–	1.28	198-254 V, 60 Hz	F2
SCE15CNLX	104H8577	LBP	848	2343	4132	5177	–	–	2617	5.58	5317	7.74	–	–	0.93	187-253 V, 60 Hz	F2
SCE15CNLX	104H8588	LBP	852	2330	4113	5153	–	–	2603	5.03	5292	6.89	–	–	0.93	187-253 V, 60 Hz	F2
SCE18CNLX	104H8878	LBP	1016	2775	4894	6130	–	–	3099	5.71	6294	7.87	–	–	1.08	187-253 V, 60 Hz	F2
SCE18CNLX	104H8888	LBP	1502	2933	4730	5815	–	–	3203	5.13	5928	6.59	–	–	1.08	187-253 V, 60 Hz	F2
SCE21CNLX	104H8173	LBP	1794	3431	5618	6957	–	–	3754	5.62	7118	7.30	–	–	1.28	187-253 V, 60 Hz	F2
SCE21CNLX	104H8174	LBP	1742	3351	5513	6835	–	–	3670	5.18	6997	6.68	–	–	1.28	198-253 V, 60 Hz	F2
SCE15MNX	104H8579	MBP	–	–	4166	5182	7600	–	–	–	5306	7.70	8693	10.89	0.93	187-253 V, 60 Hz	F2
SCE15MNX	104H8589	MBP	–	–	4123	5122	7498	–	–	–	5240	6.94	8572	9.74	0.93	187-253 V, 60 Hz	F2
SCE18MNX	104H8879	MBP	–	–	4883	6036	8770	–	–	–	6158	7.53	9986	10.61	1.08	187-253 V, 60 Hz	F2
SCE18MNX	104H8889	MBP	–	–	4869	6014	8730	–	–	–	6133	6.71	9937	9.43	1.08	187-253 V, 60 Hz	F2
SCE21MNIX	104H8151	MBP	–	3358	5638	6949	9987	13678	3710	5.40	7069	7.03	11237	9.24	1.28	195-254 V, 60 Hz	F2
SCE23LNIX	104H8350	LBP	2092	3833	6156	7559	–	–	4178	5.34	7690	6.65	–	–	1.40	195-254 V, 60 Hz	F2
SCE23MNIX	104H8340	MBP	–	3743	6257	7581	10627	14565	4162	5.53	7631	7.11	11930	9.47	1.40	195-254 V, 60 Hz	F2
SCE25LNIX	104H8440	LBP	2348	4175	6618	8096	–	–	4537	5.36	8223	6.59	–	–	1.53	195-254 V, 60 Hz	F2
SCE25MNIX	104H8450	MBP	–	4084	6491	8140	11677	14655	4371	5.16	8340	6.99	12459	8.61	1.53	195-254 V, 60 Hz	F2

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

Electrical Equipment

Power	Dimensions						LST (RSIR & RSCR) refer to data sheet for more info			Run capacitor (RC)		HST (CSIR & CSCR) *alt. cable lengths avail.			LST/HST	
	Height [inch]		Connectors location/I.D. [inch]			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		Spades		Spades	Spades	Spades	Spades		Spades		
							1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch	1/4 inch
1/8	7.8	7.5	0.24	0.24	0.20	X	103N0011	103N0018	103N0016	103N0021	–	117-7117	117-7119	–	–	–
															103N1010	103N2010

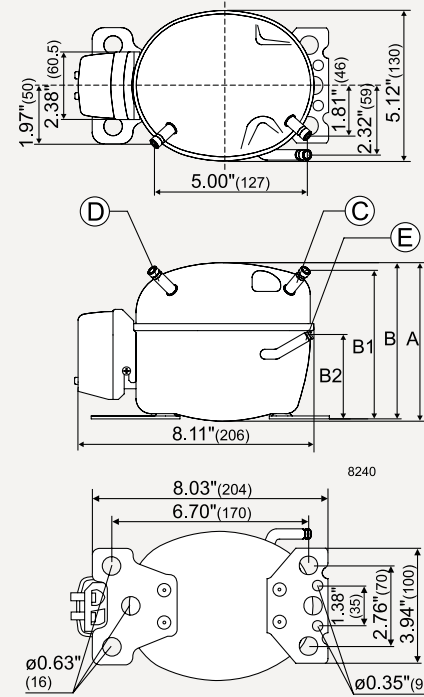
Electrical Equipment · Spare Parts · Accessories

Power	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 material optional	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				
							3/16 1/4 inch	3/16 inch	1/4 inch	3/16 inch				
[HP]	A	B	C (I.D.)	D (O.D.)	E (I.D.)	X	3/16 1/4 inch	3/16 inch	1/4 inch	3/16 inch				
1/6	6.6	–	0.24	0.24	0.20	X	4 µF	ZCF5	DCF5	–	16058100	10636401	162991_	161680_
1/5	6.6	–	0.24	0.24	0.20	X	4 µF	ZCFC	DCFC	–	16058100	10636401	162991_	161680_
1/4	6.6	–	0.24	0.24	0.20	X	4 µF	ZCFP	DCFP	–	16058100	10636401	162991_	161680_
1/3	6.6	–	0.24	0.24	0.20	X	4 µF	ZCF9	DCF9	–	16058100	10636401	162991_	161680_
1/10	6.6	–	0.24	0.24	0.20	–	3 µF	–	–	ZXF0	16058100	10636401	162991_	103N0600
1/8	6.6	–	0.24	0.24	0.20	–	4 µF	–	–	ZXF5	16058100	10636401	162991_	103N0600

Electrical Equipment

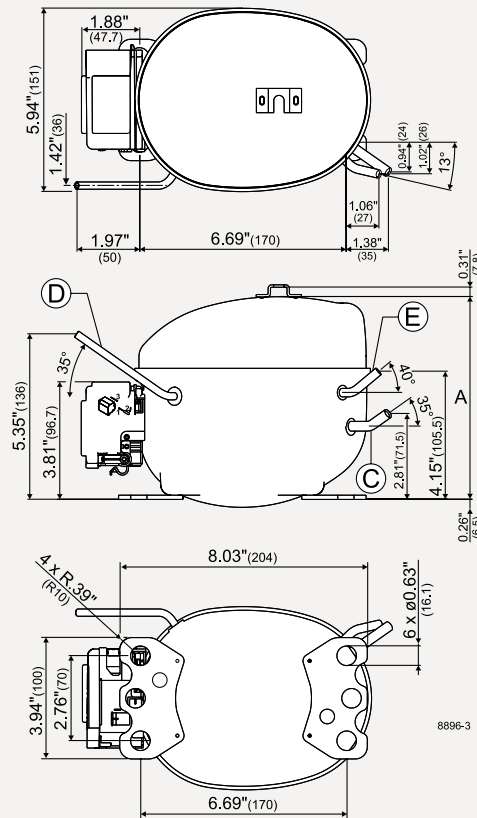
Power	Dimensions						LST (RSIR & RSCR)					Run capacitor (RC)		HST (CSIR & CSCR)			LST/HST	
	refer to data sheet for more info						PTC starting device		PTC starting device with RC connector		ePTC	→ optional → compulsory*		Starting relay	Starting capacitor	Starting device*	Cord relief	Cover
	Height [inch]		Connectors location/I.D. [inch]			alt. connectors/available	Spades		Spades		Spades	Spades		Spades		Spades		
	A	B	C (I.D.)	D (I.D.)	E (I.D.)		1/4 inch	3/16 inch	1/4 inch	3/16 inch	3/16 inch	1/4 inch	3/16 inch	1/4 inch	1/4 inch	1/4 inch		
[HP]	A	B	C (I.D.)	D (I.D.)	E (I.D.)													
1/5	7.1	6.9	0.32	0.24	0.24	X	–	–	103N0259	–	–	117-7155	–	117U7085	117U5001	–	16058100	10636401
1/4	7.1	6.9	0.32	0.24	0.24	X	–	–	103N0251	–	–	117-7155	–	117U7070	117U5003	–	16058100	10636401
1/3	7.1	6.9	0.32	0.24	0.24	X	–	–	103N0256	–	–	117-7155	–	117U7077	117U5003	–	16058100	10636401
1/3	7.1	6.9	0.32	0.24	0.24	X	–	–	103N0250	103N0252	–	117-7155	–	117U7071	117U5003	–	16058100	10636401
1/3+	7.1	6.9	0.32	0.24	0.24	–	–	–	103N0250	103N0252	–	117-7155	–	117U7071	117U5001	–	16058100	10636401
1/3+	8.0	7.8	0.32	0.26	0.26	–	–	–	–	–	103N0050	–	117-7119	117U7003	117U5014	–	103N1010	103N2011
1/3+	8.0	7.8	0.32	0.26	0.26	–	–	–	–	–	103N0050	–	117-7119	117U7022	117U5381	–	103N1010	103N2011
1/2	8.0	7.8	0.32	0.26	0.26	–	–	–	–	–	103N0050	–	117-7119	117U7050	117U5014	–	103N1010	103N2011
1/2+	8.0	7.8	0.32	0.26	0.26	–	–	–	–	–	103N0050	–	117-7165	117U7005	117U5014	–	103N1010	103N2011
2/3	8.0	7.8	0.32	0.26	0.26	–	–	–	–	–	103N0050	–	117-7119	117U7050	117U5014	–	103N1010	103N2011
3/4+	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	–	117U5373	117-7039	103N1004	103N2008
1	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	–	117U5373	117-7066	103N1004	103N2008
2/3	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117U7121 *	–	117-7602	117U5373	117-7809	–	117U1021
2/3	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	117U7413	117U5076	–	–	117U1021
3/4	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	117U7121 *	–	117-7602	117U5373	117-7809	–	117U1021
3/4+	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	–	–	117U7413	117U5076	–	–	117U1021
1	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117U7121 *	–	117-7603	117U5373	117-7811	–	117U1021
1	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	117U7407	117U5076	–	–	117U1021
2/3	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	117U7121 *	–	117-7601	117U5373	117-7808	–	117U1021
2/3	8.6	8.4	0.38	0.26	0.26	–	–	–	–	–	–	–	–	117U7401	117U5076	–	–	117U1021
3/4+	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	117U7121 *	–	117-7445	117U5373	117-7807	–	117U1021
3/4+	8.6	8.4	0.38	0.26	0.26	X	–	–	–	–	–	–	–	117U7412	117U5076	–	–	117U1021
1	9.3	9.1	0.38	0.26	0.26	–	–	–	–	–	–	117-7167 *	–	117U7502	117U5351	117U8102	–	117U1036
1	9.3	9.1	0.51	0.26	0.32	–	–	–	–	–	–	117-7166 *	–	117U7500	117U5351	117U8100	–	117U1036
1	9.3	9.1	0.51	0.26	0.32	–	–	–	–	–	–	117-7167 *	–	117U7502	117U5352	117U8102	–	117U1036
1 1/4	9.3	9.1	0.51	0.26	0.32	–	–	–	–	–	–	117-7167 *	–	117U7502	117U5352	117U8102	–	117U1036
1 1/4	9.3	9.1	0.51	0.26	0.32	–	–	–	–	–	–	117-7167 *	–	117U7502	117U5352	117U8102	–	117U1036

PL

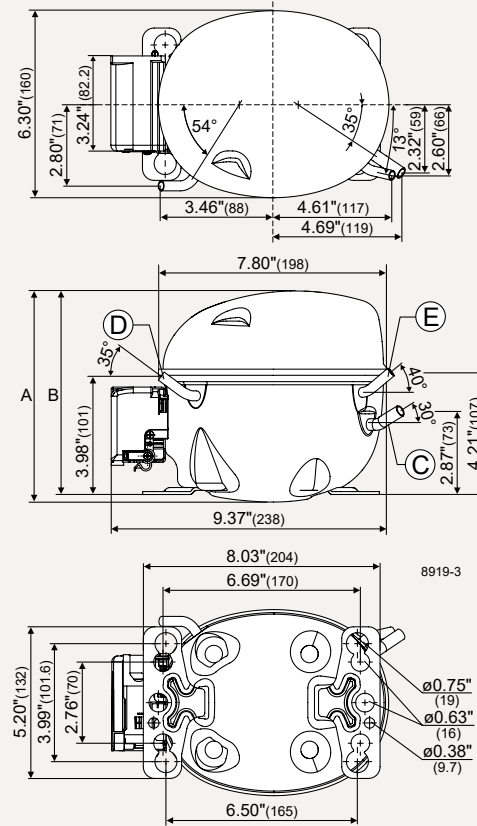


Note:
Please refer to
data sheets for
heights B1 and B2

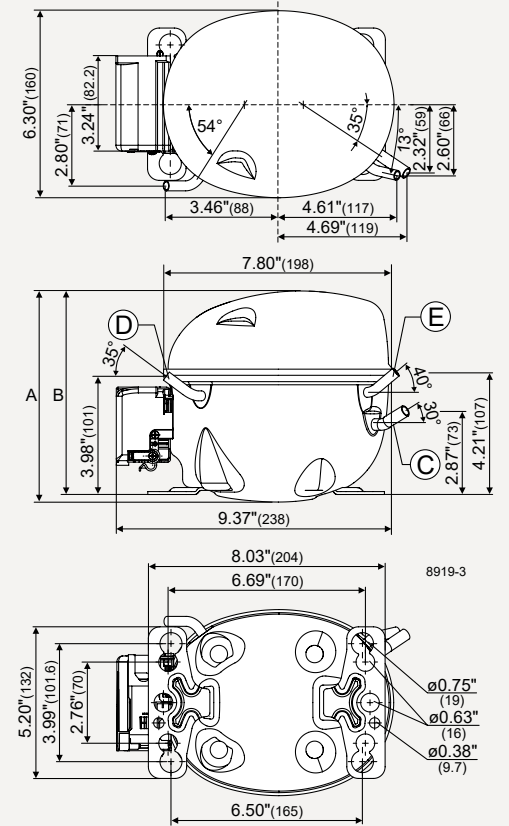
HXK (K-Series)



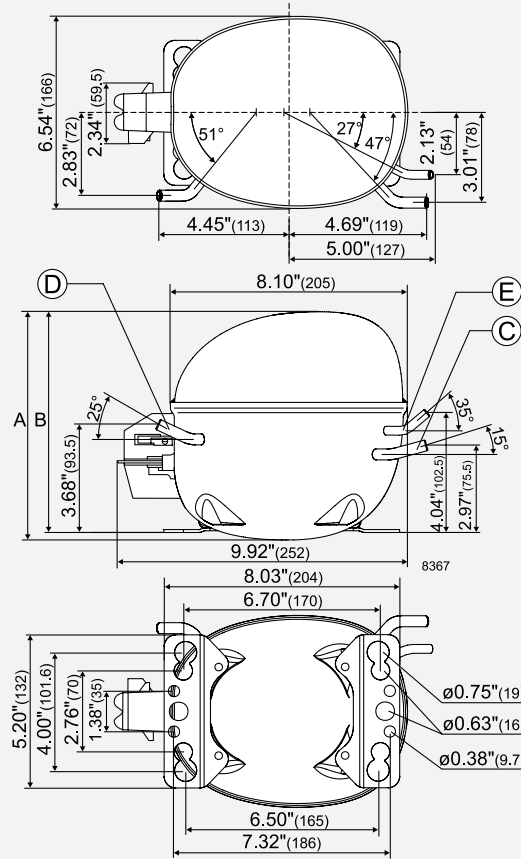
KLE/KLF



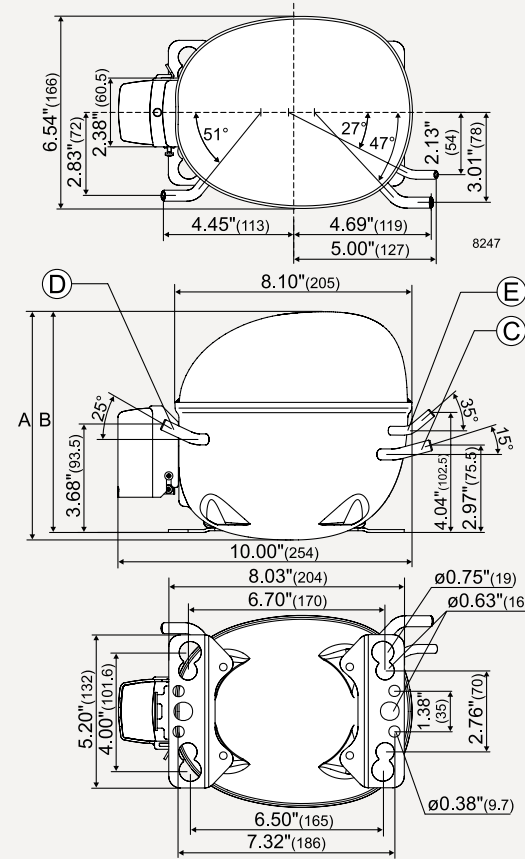
FRK



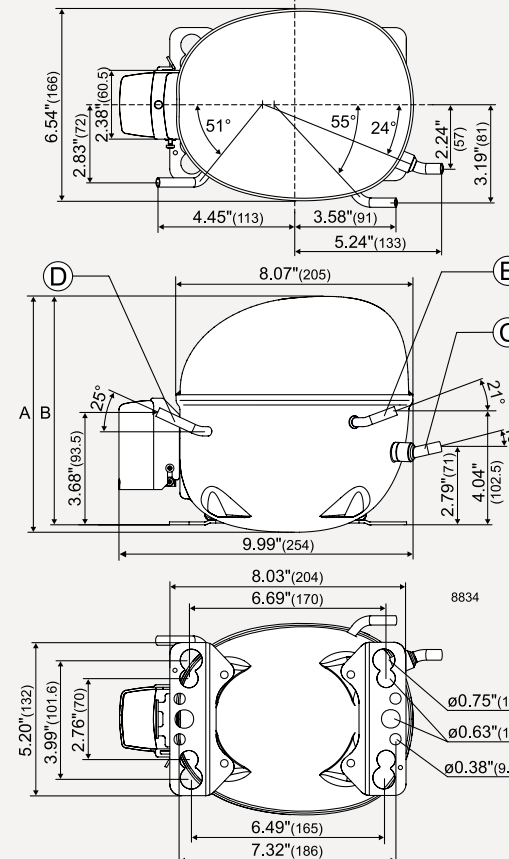
NF



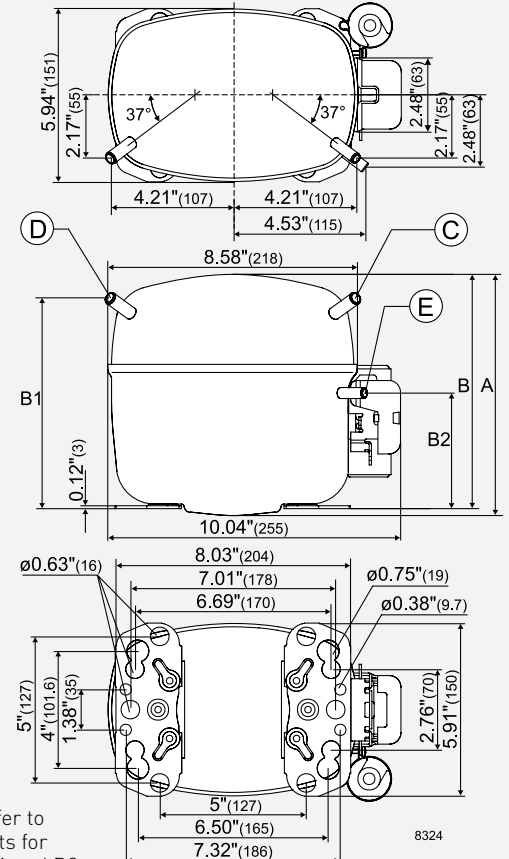
NL (NLE similar)



NLE (R290)

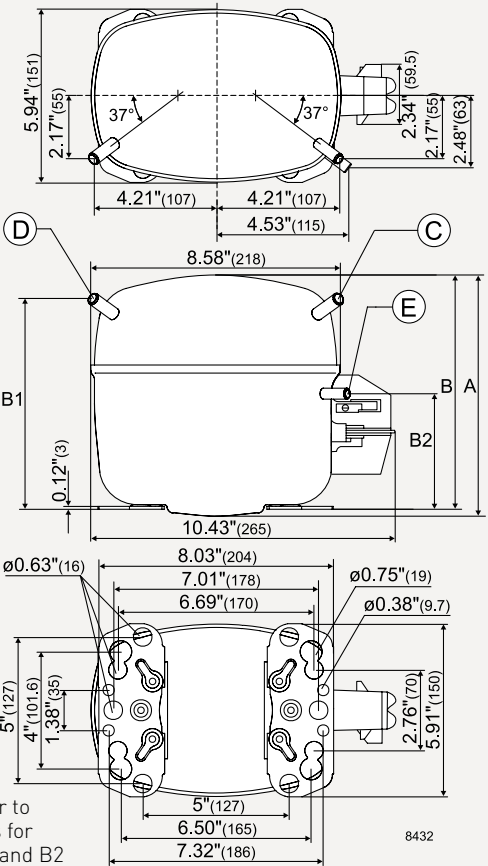


SC

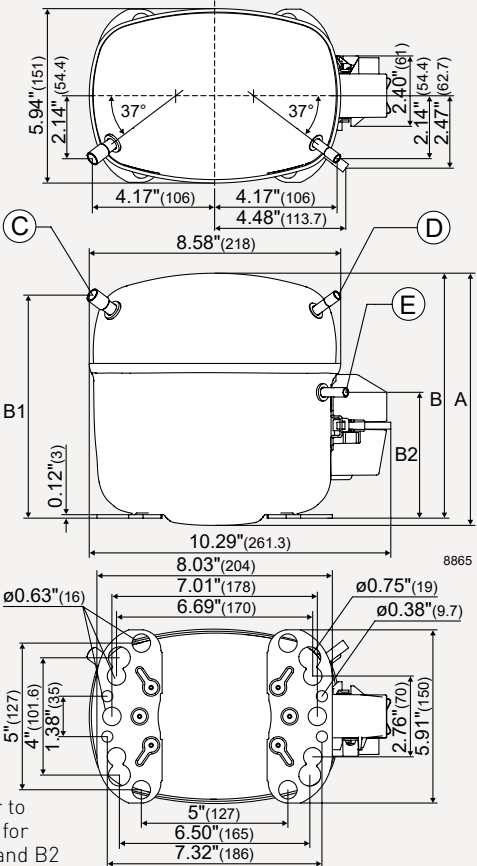


Note:
Please refer to
data sheets for
heights B1 and B2

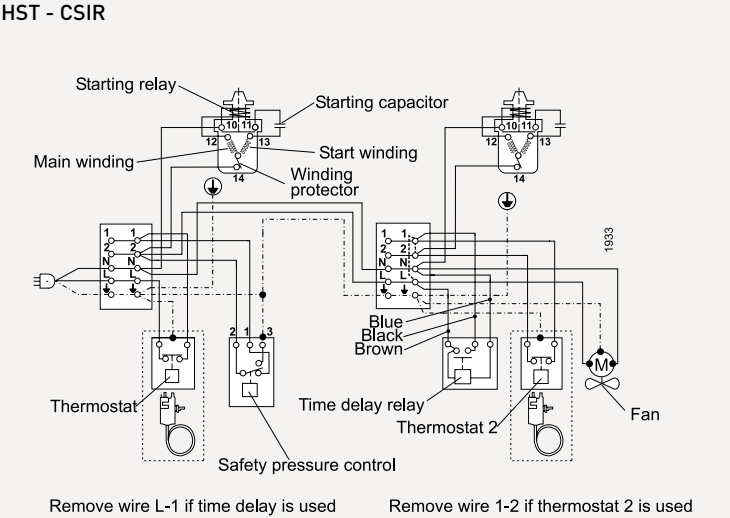
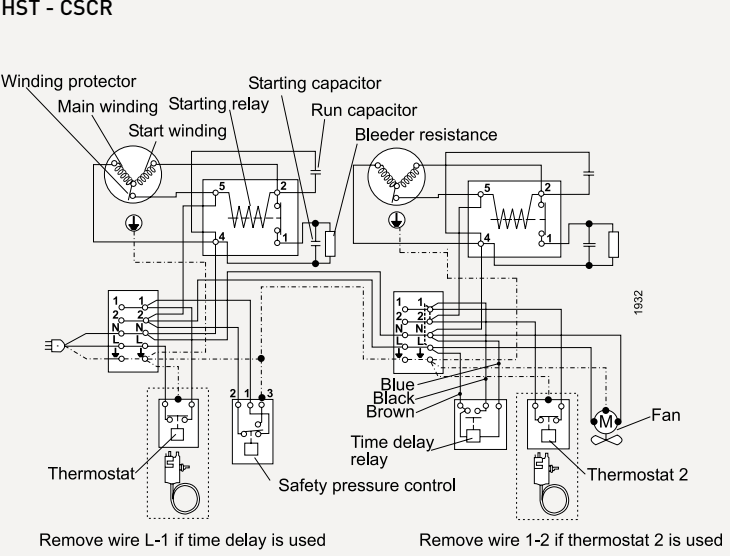
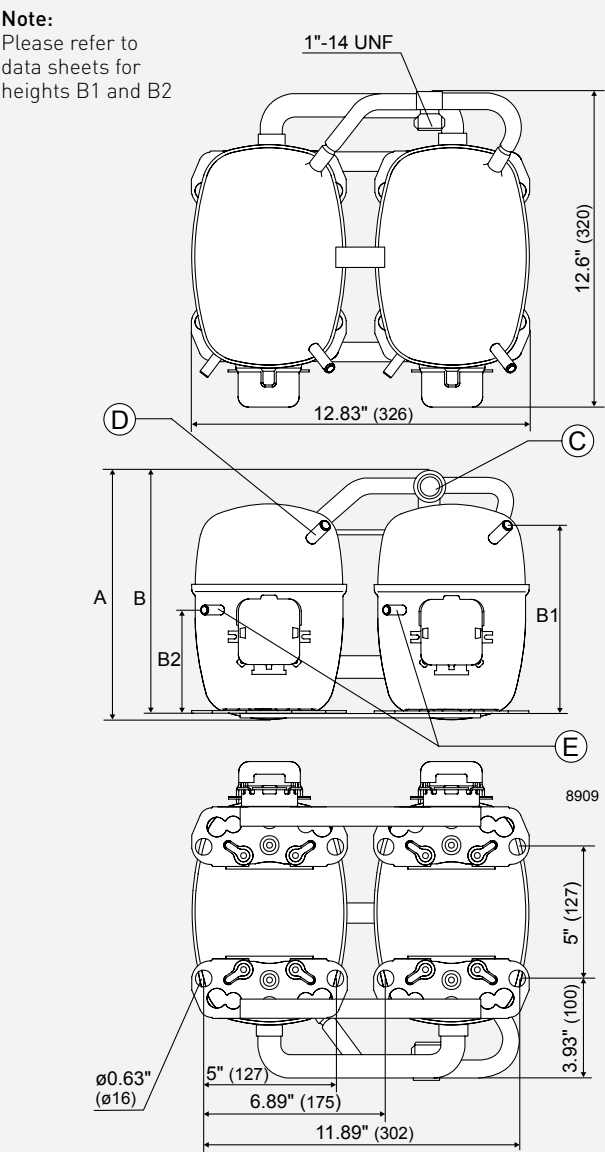
SC (external protector)



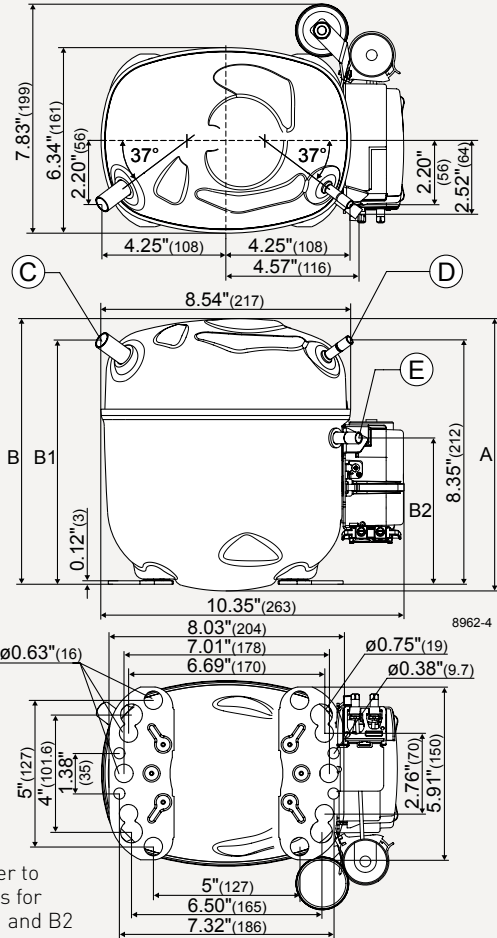
SCE (external protector)



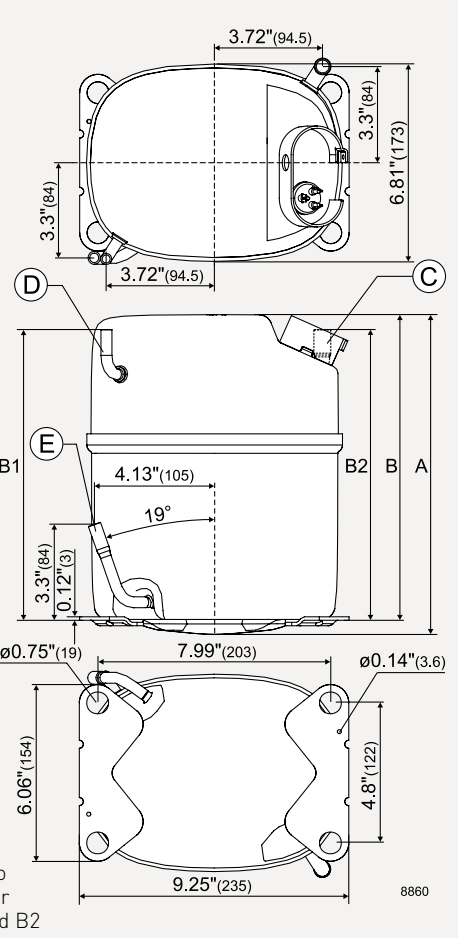
SC Twin



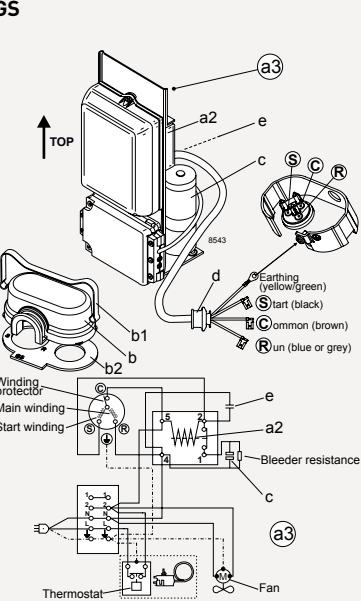
SCE Plus



GS



HST - CSCR



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
CSCR: Capacitor Start Capacitor 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

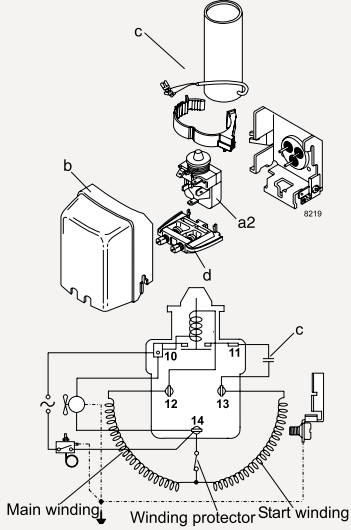
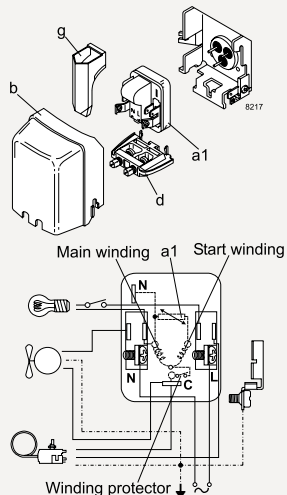
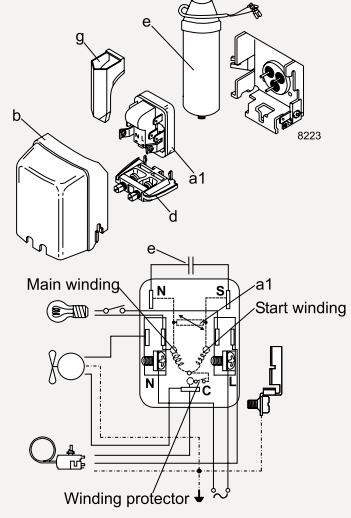
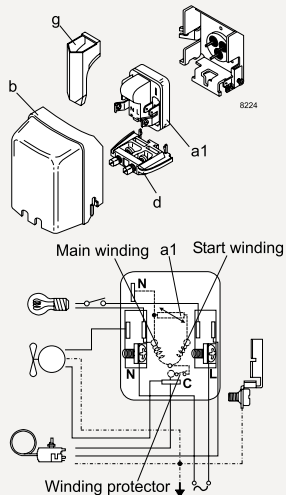
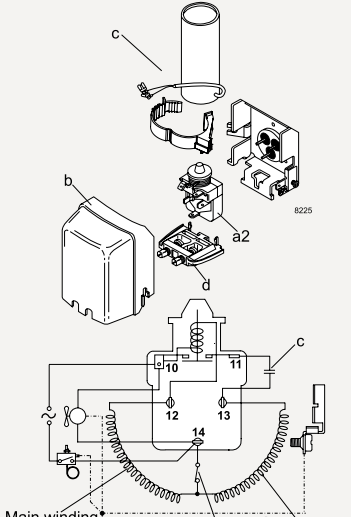
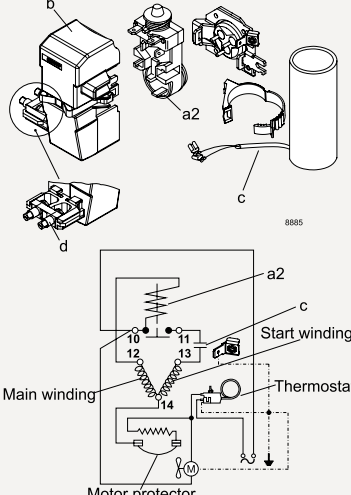
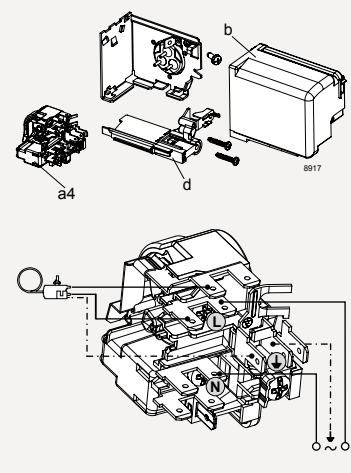
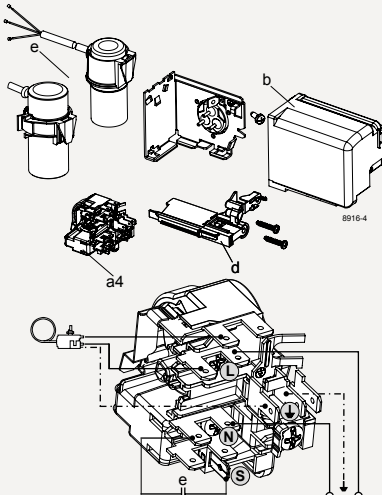
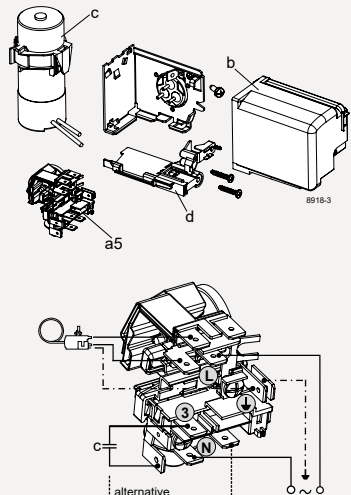
Starting devices
LST: Low Starting Torque
LST is used with capillary tube control and pressure equalizing. (Pressure equalizing may exceed 10 minutes). The PTC starting device requires 5 minutes cooling before each start.

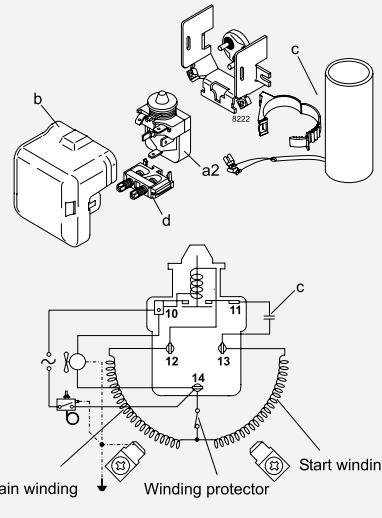
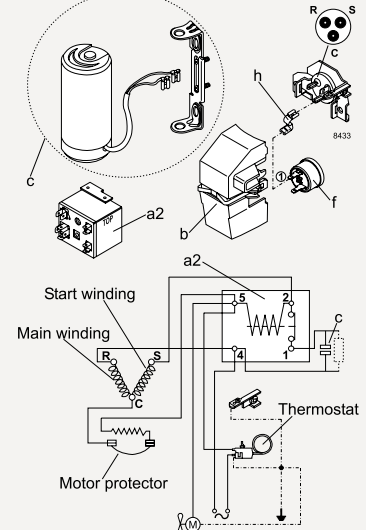
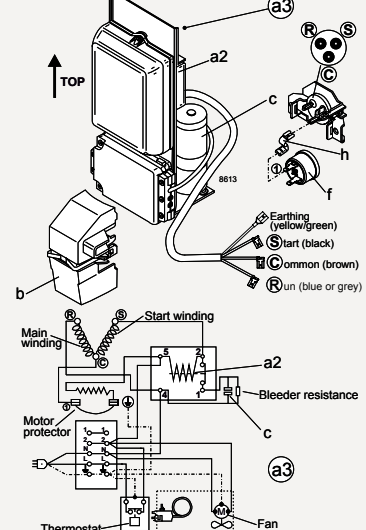
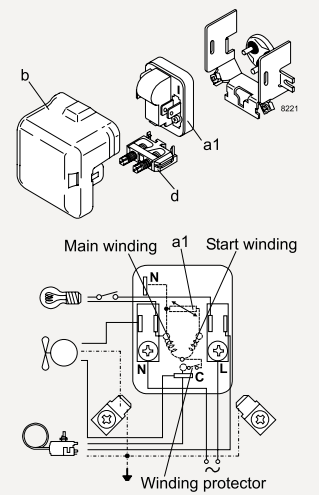
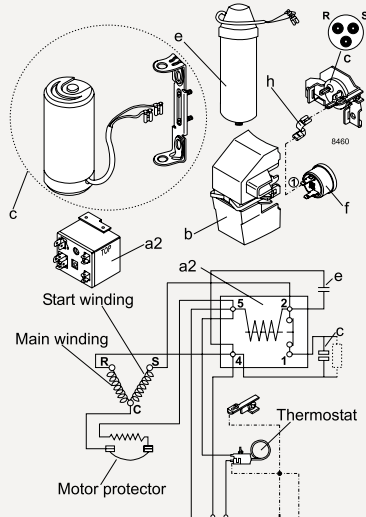
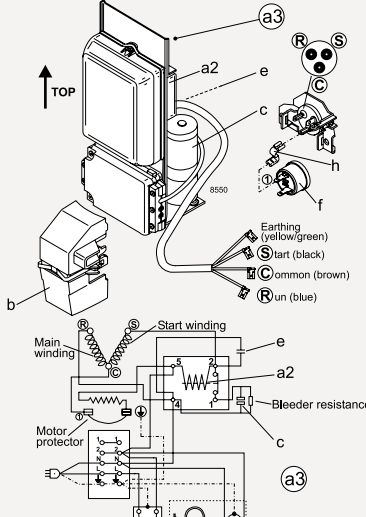
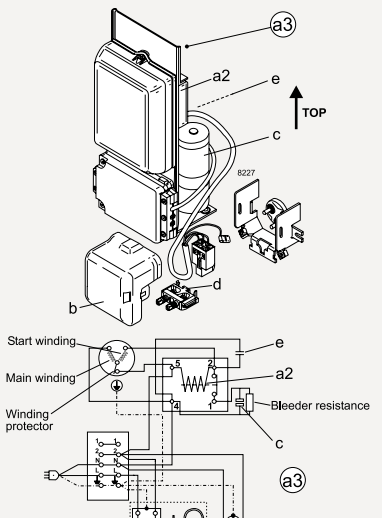
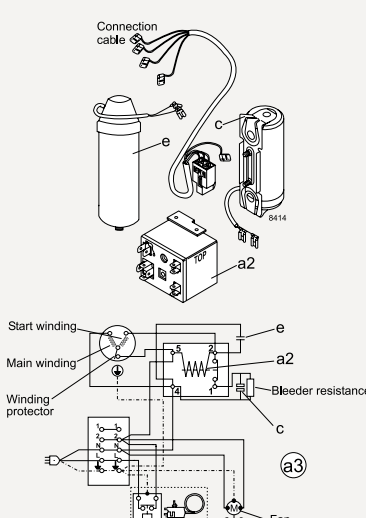
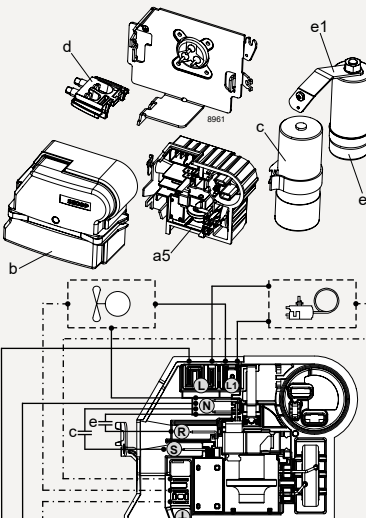
HST: High Starting Torque
HST consisting of relay and starting capacitor is used for expansion valve control or for capillary tube control without pressure equalizing.

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)

Legend

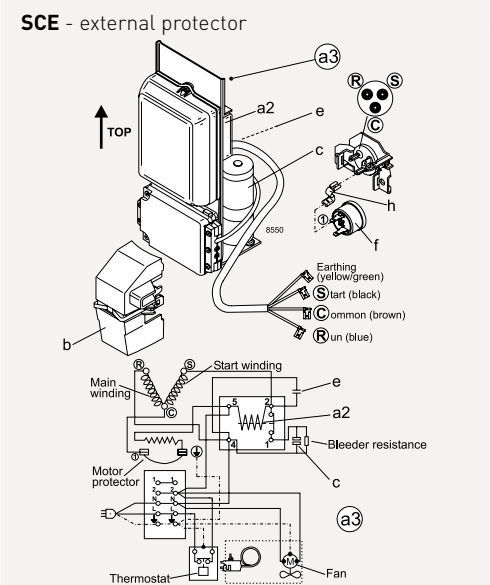
- a1: PTC or ePTC starting device
- a2: Starting relay
- a3: Starting device
- a4: Terminal board incl. PTC and protector
- a5: Terminal board incl. relay
- a6: Terminal board incl. relay and protector
- b: Cover
- b1: Clamp (part of compressor)
- b2: Gasket (part of compressor)
- c: Starting capacitor
- d: Cord relief
- e: Run capacitor
- e1: Run capacitor holder
- f: Protector
- g: Protection screen for PTC
- h: Holder

HST - CSIR NL/NLE 	LST - RSIR NL/NLE 	LST - RSCR NL/NLE/NLY 
LST - RSIR PL 	HST - CSIR PL 	SCE - external protector 
LST - RSIR KLF - external protector 	LST - RSCR KLF - external protector 	HST - CSIR KLE/KLF/FRK - external protector 

SC 	HST - CSIR SC - external protector 	SC - external protector 
LST - RSIR SC 	HST - CSCR SC - external protector 	SC - external protector 
SC 	HST - CSCR SC (kit) - alternative to starting device 	SCE Plus 

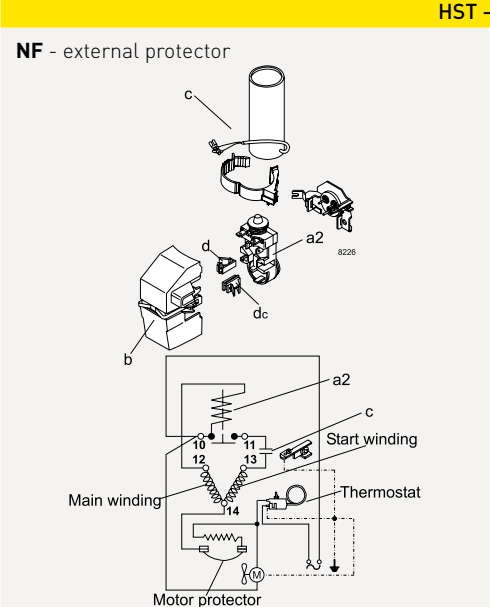
HST - CSCR

SCE - external protector



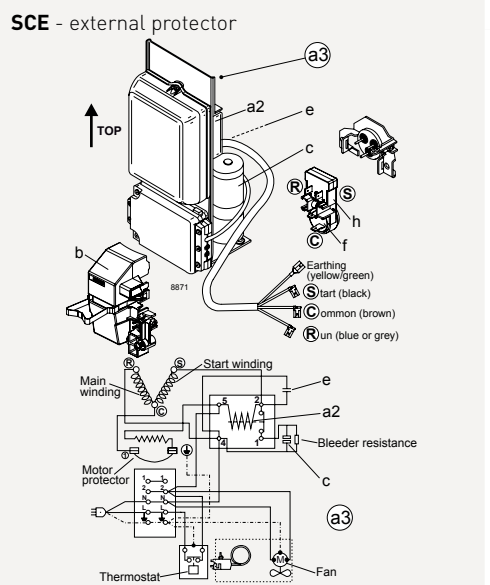
HST - CSIR

NF - external protector



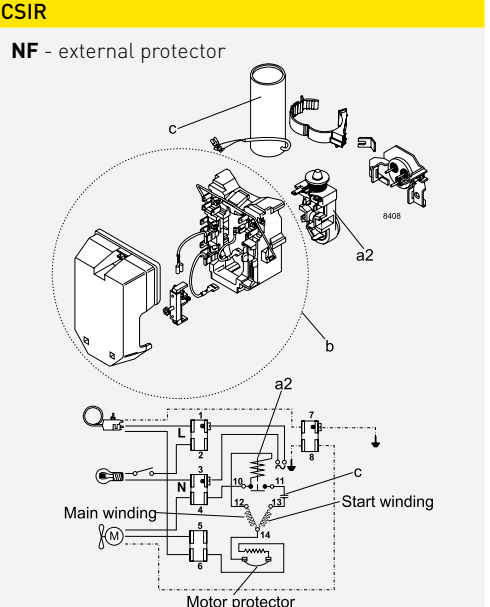
LST - RSCR

SCE - external protector

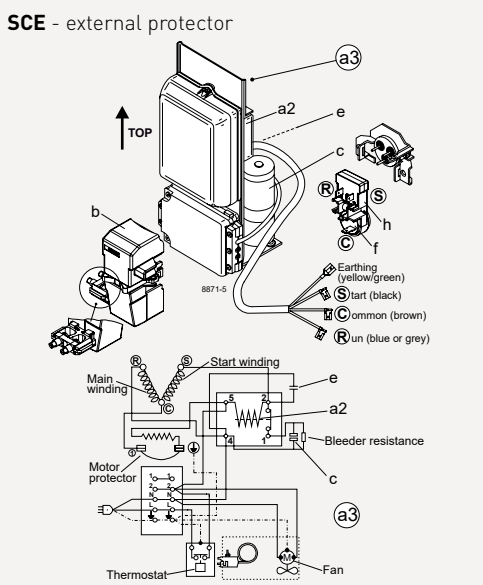


LST - RSIR

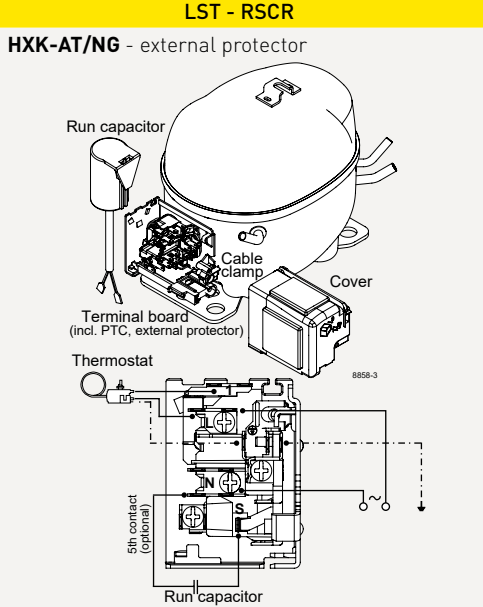
NF - external protector



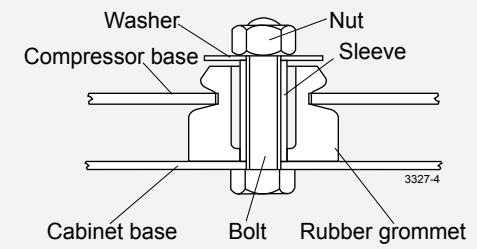
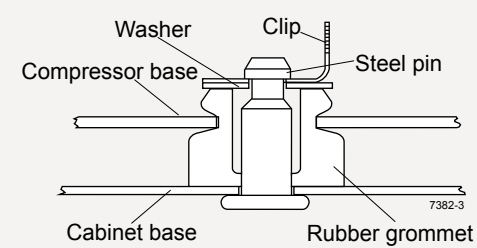
HXK-AT/NG - external protector



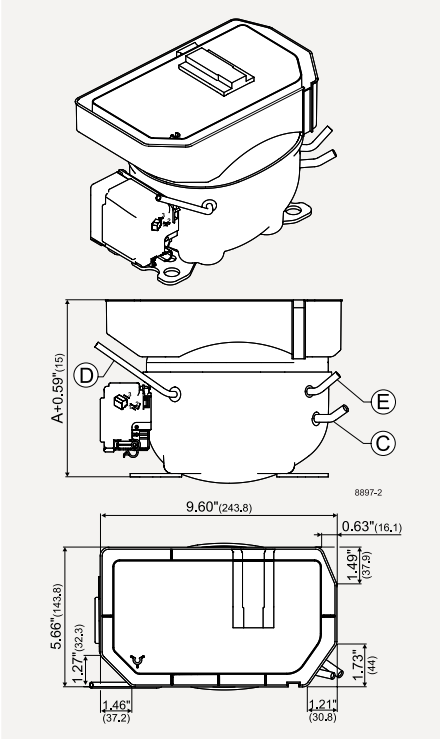
HXK-AT/NG - external protector



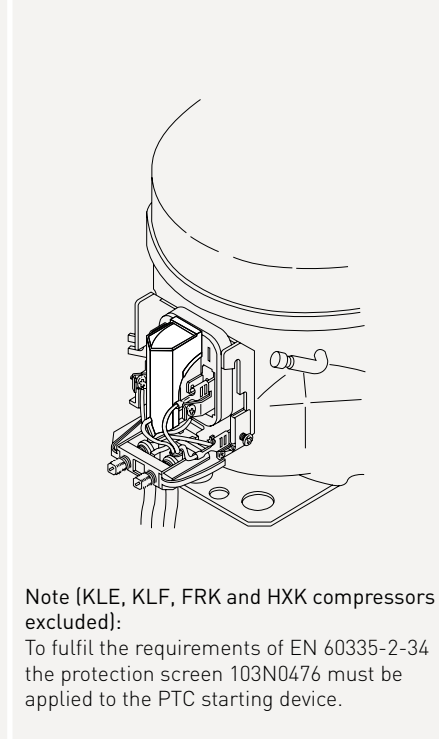
Mounting	Code number	Bolt / pin dimension	Comp. base hole	Type of packaging	Compressor series	Parts list
Bolt joint	118-1917	M6 metric	16 mm	Single pack for one compressor	P- / K- / KL- / FRK- / N- / S-Series	I
Bolt joint	118-1918	M6 metric	16 mm	Industrial pack in any quantity	P- / K- / KL- / FRK- / 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- / FRK- / 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- / FRK- / N- / S-Series	V
Snap-on	118-1919	Ø 7.3 mm	16 mm	Industrial pack in any quantity	P- / KL- / FRK- / 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		
	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		

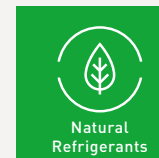
K-Series · evaporation tray



PTC protection screen



Flammable refrigerants R600a and R290



R600a (isobutane) and R290 (propane) are a 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.

Do not use the refrigerants R600a or R290 near an open fire. The refrigeration systems must be opened with a tube cutter.

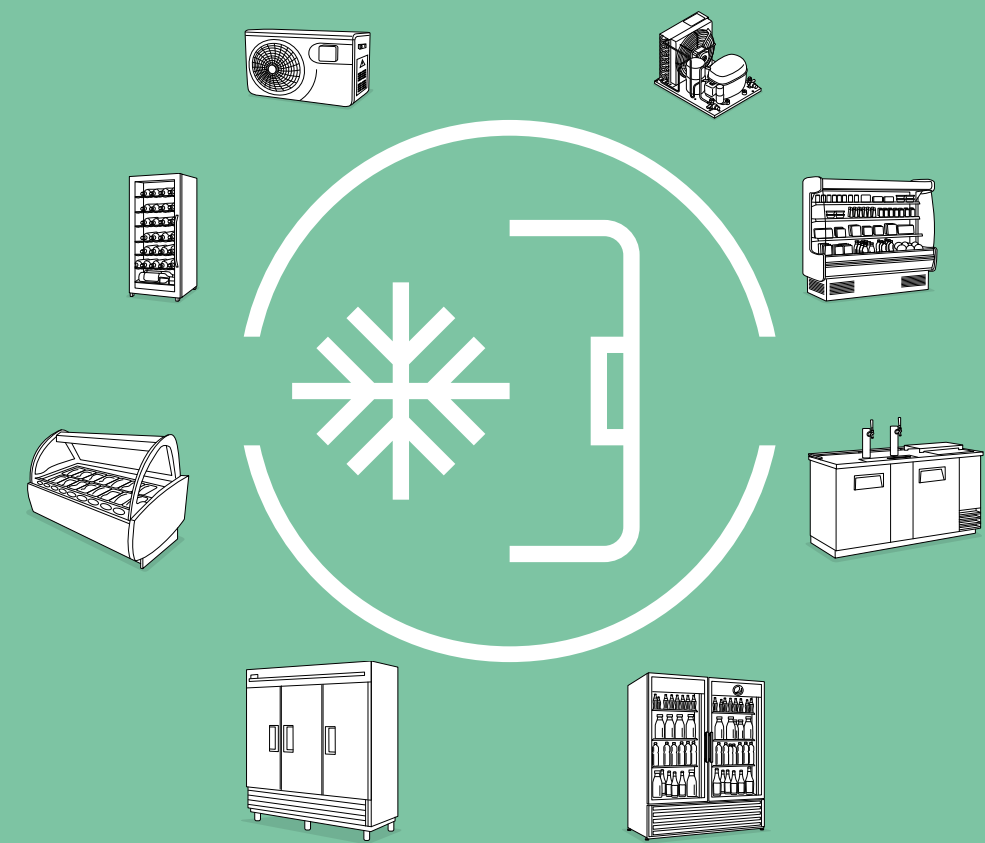
To properly perform maintenance and repair work on R600a or R290 systems, service staff must be properly trained in handling flammable refrigerants.

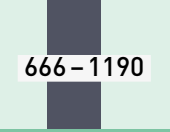
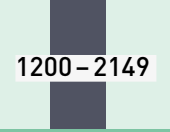
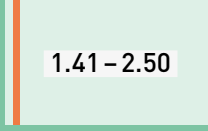
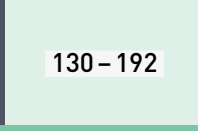
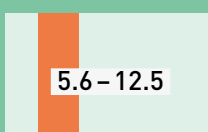
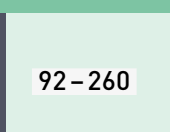
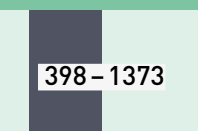
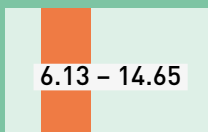
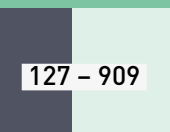
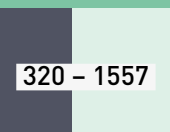
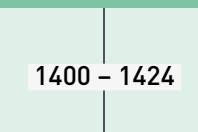
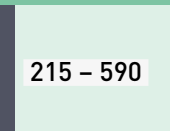
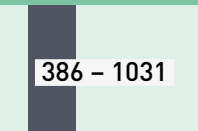
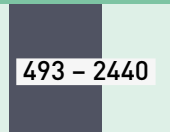
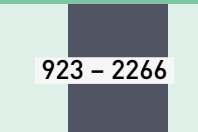
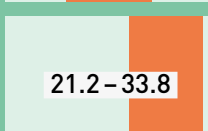
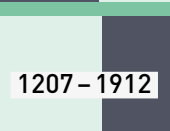
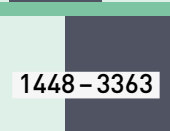
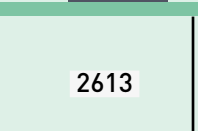
This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair work.

Secop compressors that use flammable refrigerants R600a and R290 are equipped with a yellow warning label as shown.

STATIONARY COOLING

Refrigeration compressors and solutions for food retail, food service, medical, commercial freezers or coolers, beverage dispensers, special commercial equipment, and selected residential applications



			Displacement (cm³)	Cooling Capacity			Refrigerants
				LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
NLV/E		 					R290
SLVE		 					R290
P							R600a R134a
K							R600a R134a
KL							R290 R134a R513A
N							R600a R290 R134a R404A R513A R452A R170
FRK							R134a R513A
S							R290 R134a R404A R407C R513A R452A R170
G							R134a R404A R513A
			0 – 35	0 – 2000	0 – 3500	0 – 2750	

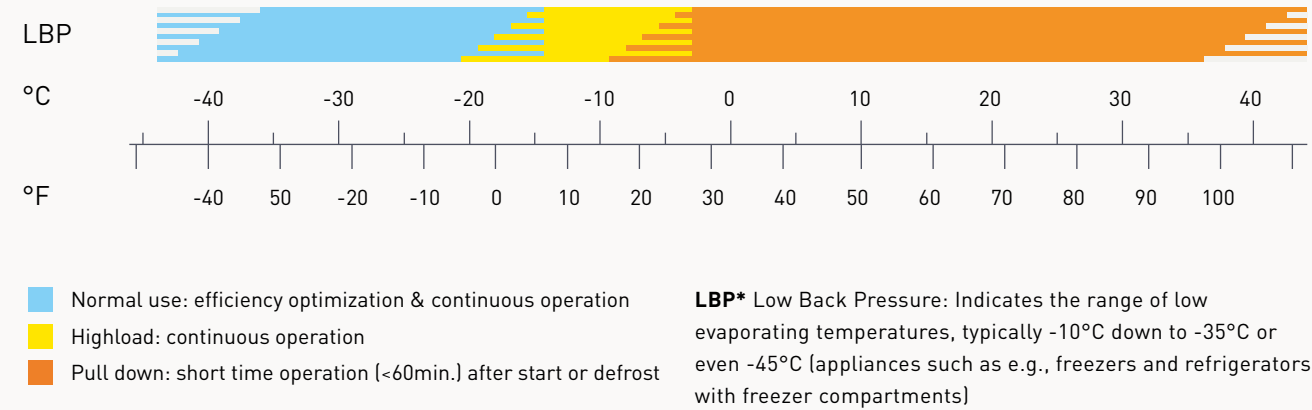
Secop stationary cooling compressors are available for all worldwide AC mains supply standards.

 Natural Refrigerants

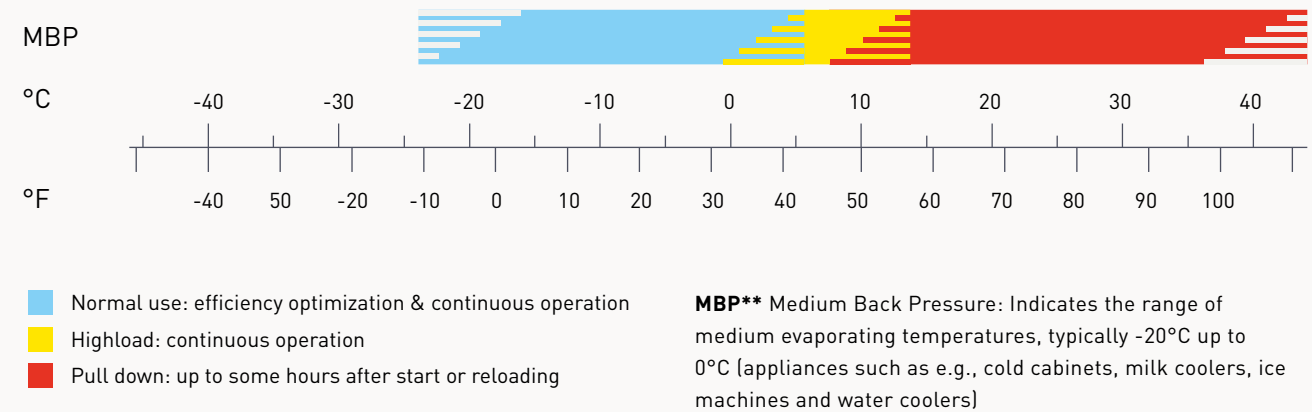
 Variable-Speed Drive

LBP-MBP-HBP

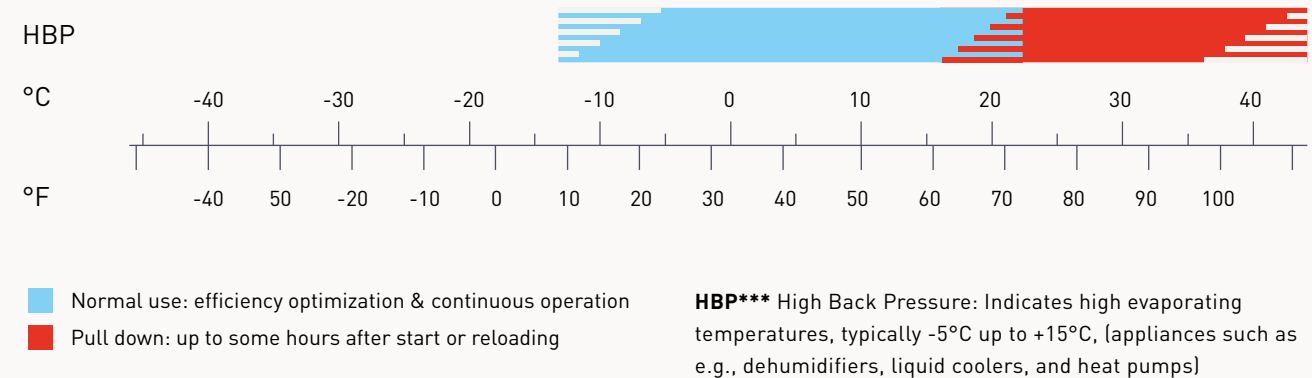
SECOP LBP* COMPRESSORS: EVAPORATION PRESSURES



SECOP MBP** COMPRESSORS: EVAPORATION PRESSURES



SECOP HBP*** COMPRESSORS: EVAPORATION PRESSURES



SECOP GROUP: AROUND THE WORLD

SECOP**12**

international
partners for
advanced
developments

33

laboratories
located in Germany,
Slovakia, China,
U.S.A., and Turkey

150+

R&D engineers
and technicians

400+

patents globally

50+

countries with
customer support



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



Tianjin: Sales, R&D, Logistics, and Manufacturing



Stationary Cooling



Mobile Cooling



Medical Cooling



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