Single
Packs

Single Pack GS26GHX 220-240V 50Hz CSCR

Single pack code number: **195B4627**

Position	Title	Code	Amount
1	Compressor GS26GHX	107B0702	1
2	GS starting device (600mm)	117-7070	1
3	Bolt joint for one compressor | M8 | ø19mm	107B9150	1
Below electrical equipment is pre-assembled on the compressor:			
4	Cover	107B9101	1
5	Cover clamp	107B9104	1
6	Cover gasket	107B9100	1

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Model
GS26GHX

Sales code:
107B0702

Compressor Data

Refrigerant(s)	**R134a / R513A**
Refr. charge - tech. limit	**2000g / 70.55oz**
Weight	**19.10 kg / 42.11lbs**
Displacement	**26.30 cm3 / 1.60cu.in**
Compressors on pallet	**48**

General – Configurations With GS26GHX

–	**Conf. 1**	**Conf. 2**
Motor configuration	CSCR	CSCR
Power supply (nominal)	220-240 V/50 Hz	220-240 V/50 Hz
Number of phases	1	1
Voltage range	198-254 V	198-254 V
Approvals	VDE	VDE
Starting torque	HST	HST
Refrigerant	R134a	R513A
Application	MBP+HBP	MBP+HBP
Hot gas defrost	OK	OK
Long interval pull down	OK	OK

Application Notes

- Cover, clamp, gasket: pre-assembled to compressor.
- Provision for PE Grounding is located at the PE Stamp on the compressor

Model
GS26GHX

Sales code:
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Compressor Design

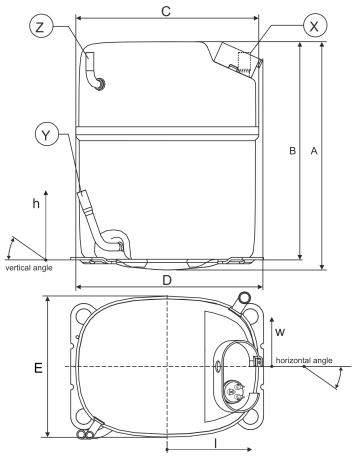
Oil type	**POE**	Motor protection	**internal**
Oil viscosity	**32,5cSt**	Winding resistance main	**2.5 Ohm**
Oil quantity	**902 / 30.50fl.oz**	Winding resistance aux	**6.7 Ohm**
Free gas volume comp.	**3,350 cm3 / 113.28fl.oz**	Max. discharge temp.	**130°C / 266°F**

Compressor Dimensions

Housing

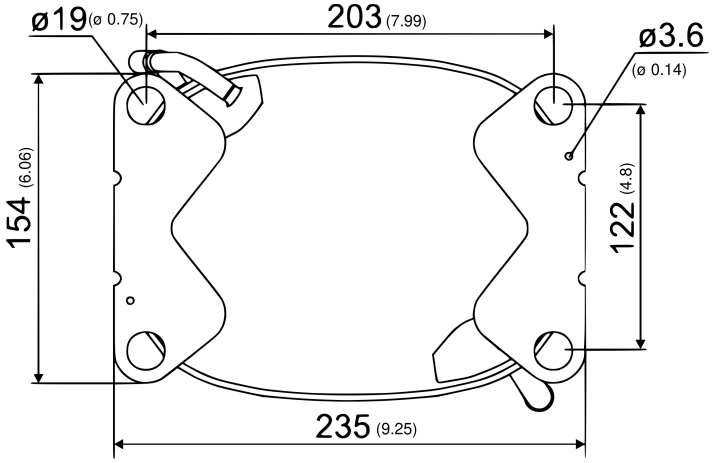
A Height	**259mm / 10.20in**
B Height	**247mm / 9.72in**
C Length shell	**224mm / 8.82in**
D Length w. cover	**232mm / 9.13in**
E Width	**173mm / 6.81in**

Find 3D Model here



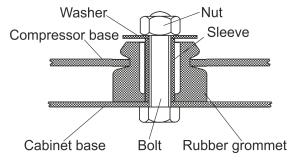
Connectors	Suction X	Discharge Y	Process Z
Diameter [mm]	øi 12.75–13.05 / 0.50–0.51in	øi 8.15–8.25 / 0.32–0.32in	øi 6.4–6.6 / 0.25–0.26in
Material	CU	CU	CU
Horizontal angle ±2°	0°	0°	0°
Vertical angle ±2°	90°	71°	90°
Position l/h/w [mm]	-94.5/234/-84 / -3.72/9.21/-3.31in	-105/84/-84 / -4.13/3.31/-3.31in	94.5/234/84 / 3.72/9.21/3.31in
Straight tube l. [mm]	18 / 0.71in	22.5 / 0.89in	15 / 0.59in

Mounting Accessories



Dimensions in mm [in]

Bolt joint



	one comp.	multi pack
Bolt joint | M8 | ø19mm	107B9150	–

Model
GS26GHX Configuration 1

Sales code:
107B0702

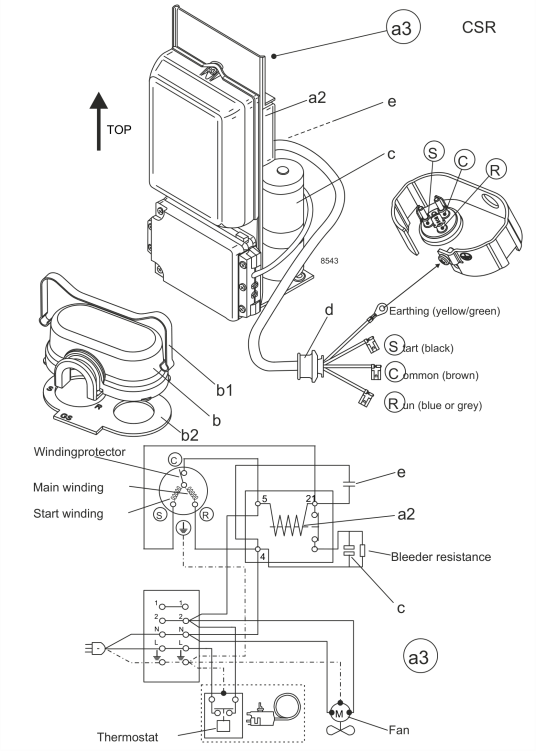
Configuration

Motor configuration	**CSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R134a**
Application	**MBP+HBP**
Voltage range	**198-254 V**
Starting torque	**HST**
Approvals	**VDE**
Starting device type	**relay**
Run capacitor	**20 µF**
Start capacitor	**80 µF**
LRA (locked rotor amps / 4s/ U(N))	**40 A**
RLA (rated load amps / 1s/ U(N))	**5.6 A**
Cut in current (U(N))	**40 A**

Ambient/ machine room temperatures minimum /maximum
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling
fan 3m/s

Electrical Accessories / Wiring Diagram



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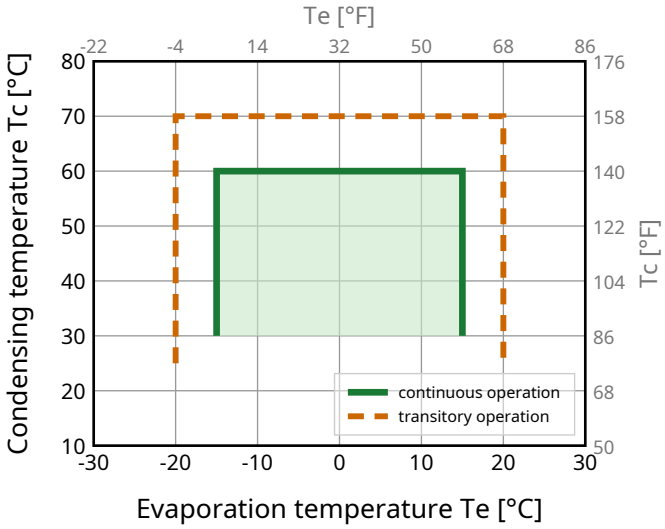
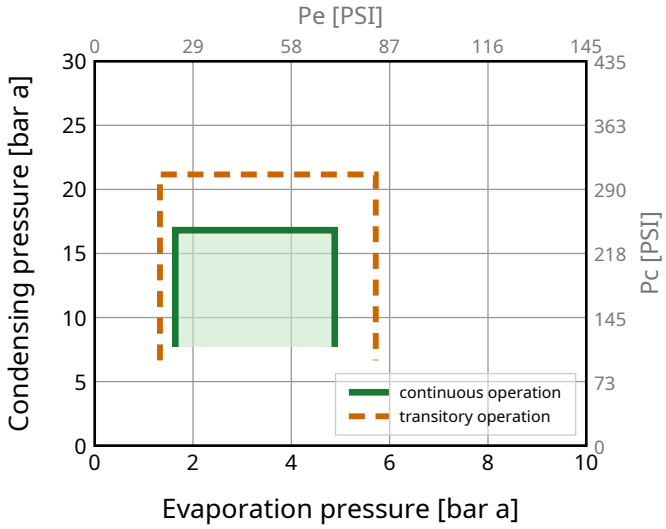
Components (cover, clamp, gasket: pre assembled)
a3 GS starter kit (600mm) 117-7070
b cover 107B9101
b2 gasket 107B9100
b1 clamp 107B9104

Operation Pressure Range





Model
GS26GHX Configuration 1

Sales code:
107B0702

Standard Conditions

R134a, 220 V/50 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
7.2 45	54.4 129.9	35 95	46.1 115	**2608**	8897	2243	**2.49**	8.51	1045	4.91	57.72	**ASHRAE HBP**
5 41	55 131	32 89.6	55 131	**2152**	7342	1851	**2.13**	7.26	1011	4.75	52.85	**CECOMAF HBP**
5 41	50 122	20 68	50 122	**2239**	7638	1925	**2.31**	7.88	970	4.56	56.15	**EN12900 HBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**1443**	4924	1241	**1.79**	6.09	808	3.83	31.42	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**1119**	3819	963	**1.48**	5.05	756	3.62	26.98	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**1275**	4352	1097	**1.78**	6.07	717	3.42	29.74	**EN12900 MBP**

Performance Tables

R134a, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-15	5	**1040**	3548	894	**1.60**	5.46	650	3.15	22.62
-10	14	**1321**	4507	1136	**1.84**	6.29	717	3.42	28.85
-5	23	**1657**	5653	1425	**2.11**	7.21	785	3.72	36.36
0	32	**2056**	7013	1768	**2.40**	8.20	855	4.04	45.35
5	41	**2524**	8613	2171	**2.71**	9.26	930	4.38	56.07
10	50	**3072**	10480	2641	**3.04**	10.37	1010	4.75	68.75
15	59	**3704**	12639	3186	**3.38**	11.52	1097	5.14	83.69

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-15	5	**877**	2994	755	**1.30**	4.44	675	3.29	21.06
-10	14	**1119**	3819	963	**1.48**	5.05	756	3.62	26.98
-5	23	**1407**	4801	1210	**1.68**	5.72	839	3.97	34.10
0	32	**1749**	5966	1504	**1.89**	6.46	923	4.35	42.64
5	41	**2152**	7342	1851	**2.13**	7.26	1011	4.75	52.85
10	50	**2624**	8953	2257	**2.38**	8.12	1103	5.17	65.01
15	59	**3174**	10828	2729	**2.64**	9.01	1202	5.62	79.43

Model
GS26GHX Configuration 2

Sales code:
107B0702

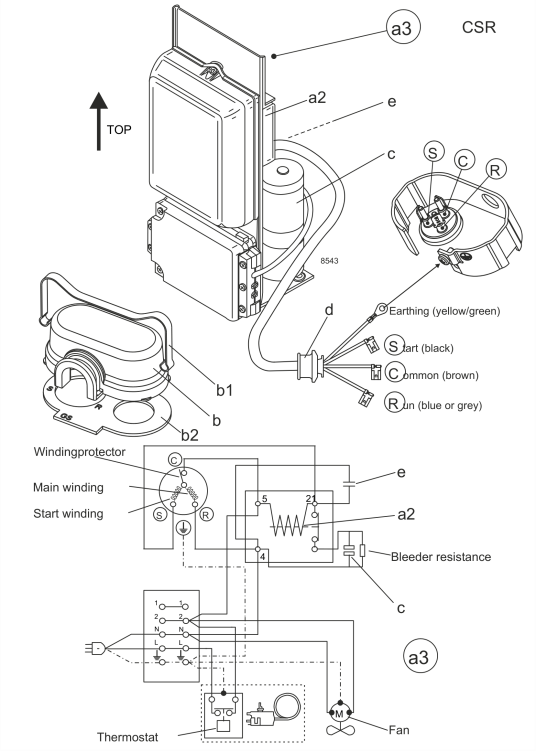
Configuration

Motor configuration	**CSCR**
Power supply (nominal)	**220-240 V/50 Hz 1~**
Refrigerant	**R513A**
Application	**MBP+HBP**
Voltage range	**198-254 V**
Starting torque	**HST**
Approvals	**VDE**
Starting device type	**relay**
Run capacitor	**20 µF**
Start capacitor	**80 µF**
LRA (locked rotor amps / 4s/ U(N))	**40 A**
RLA (rated load amps / 1s/ U(N))	**5.6 A**
Cut in current (U(N))	**40 A**

Ambient/ machine room temperatures minimum /maximum
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

System Cooling
fan 3m/s

Electrical Accessories / Wiring Diagram



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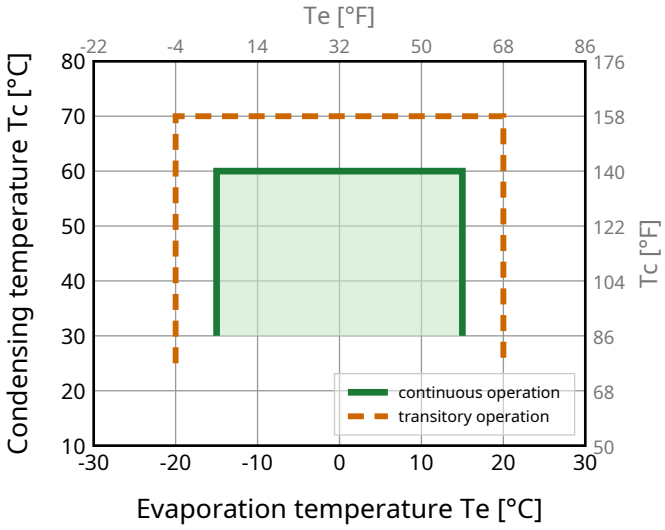
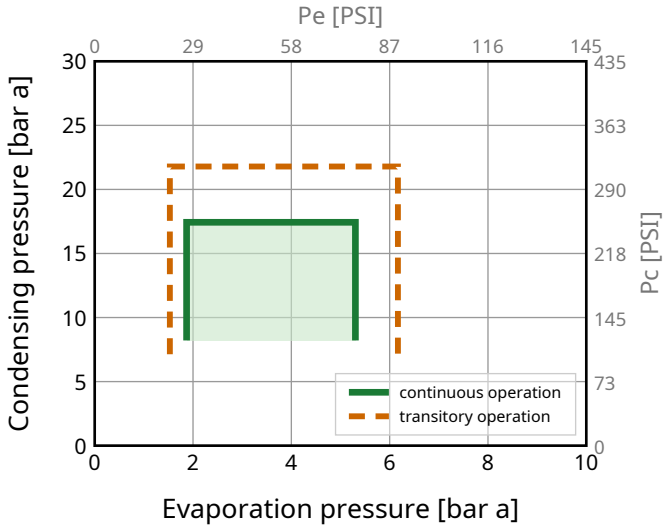
Components (cover, clamp, gasket: pre assembled)
a3 GS starter kit (600mm) 117-7070
b cover 107B9101
b2 gasket 107B9100
b1 clamp 107B9104

Operation Pressure Range





Model
GS26GHX Configuration 2

Sales code:
107B0702

Standard Conditions

R513A, 220 V/50 Hz, CSCR, fan 3m/s

pe	pc	RGT	Tliq	Cooling capacity			COP	EER	P	I	ṁ	
[°C] [°F]	[°C] [°F]	[°C] [°F]	[°C] [°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]	
7.2 45	54.4 129.9	35 95	46.1 115	**2682**	9152	2307	**2.48**	8.44	1084	5.96	68.16	**ASHRAE HBP**
5 41	55 131	32 89.6	55 131	**2180**	7440	1875	**2.08**	7.09	1049	5.82	62.53	**CECOMAF HBP**
5 41	50 122	20 68	50 122	**2255**	7694	1939	**2.24**	7.65	1006	5.63	66.49	**EN12900 HBP**
-6.7 20	54.4 129.9	35 95	46.1 115	**1514**	5165	1302	**1.79**	6.09	848	4.93	37.74	**ASHRAE MBP**
-10 14	55 131	32 89.6	55 131	**1161**	3961	998	**1.46**	4.97	797	4.70	32.57	**CECOMAF MBP**
-10 14	45 113	20 68	45 113	**1326**	4525	1141	**1.75**	5.99	756	4.51	35.91	**EN12900 MBP**

Performance Tables

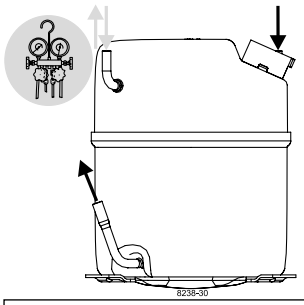
R513A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F

pe		Cooling capacity			COP	EER	P	I	ṁ
[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[W]	[A]	[kg/h]
-15	5	**1106**	3772	951	**1.60**	5.47	690	4.18	27.55
-10	14	**1392**	4748	1197	**1.84**	6.28	756	4.51	34.84
-5	23	**1731**	5908	1489	**2.11**	7.19	822	4.82	43.58
0	32	**2132**	7275	1834	**2.39**	8.17	891	5.13	54.02
5	41	**2602**	8877	2237	**2.70**	9.21	964	5.45	66.41
10	50	**3147**	10738	2706	**3.01**	10.27	1045	5.80	81.05
15	59	**3776**	12882	3247	**3.32**	11.34	1136	6.18	98.29

pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F

-15	5	**919**	3136	791	**1.28**	4.38	715	4.31	25.66
-10	14	**1161**	3961	998	**1.46**	4.97	797	4.70	32.57
-5	23	**1447**	4936	1244	**1.65**	5.62	878	5.07	40.84
0	32	**1784**	6088	1534	**1.85**	6.33	962	5.44	50.73
5	41	**2180**	7440	1875	**2.08**	7.09	1049	5.82	62.53
10	50	**2643**	9018	2273	**2.31**	7.89	1143	6.21	76.57
15	59	**3179**	10847	2734	**2.55**	8.71	1246	6.63	93.22



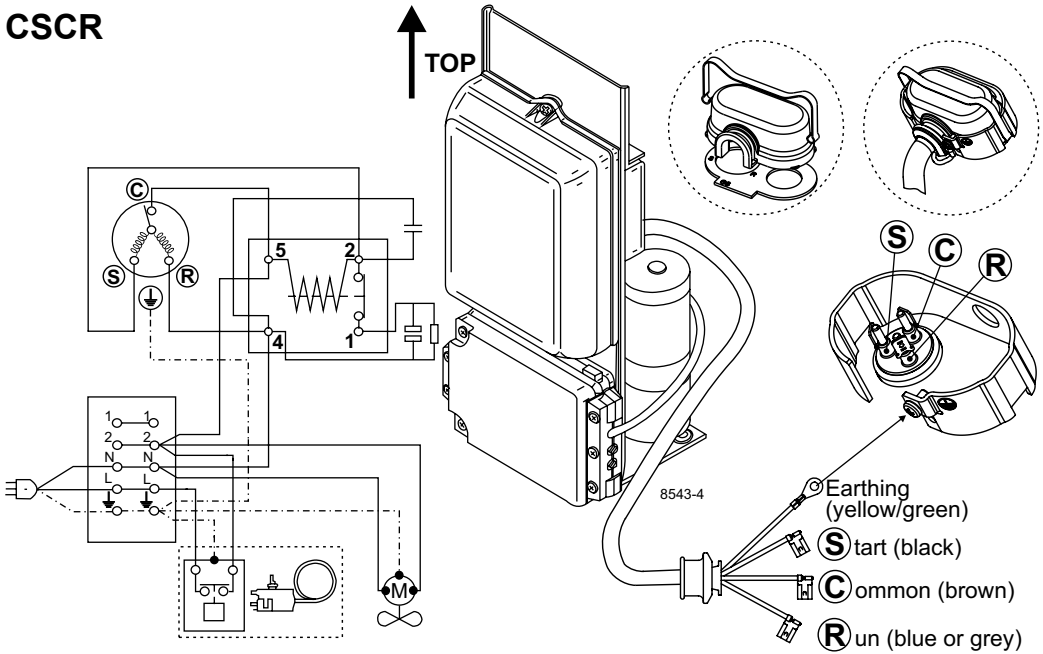
GS Compressors

SECOP

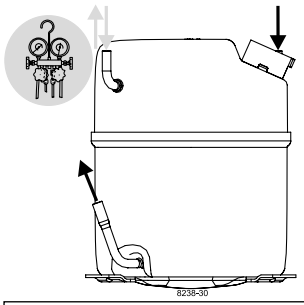
Keep electrical equipment clear from oil, chemicals, and water

When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

CSCR



	S	C	R
ENGLISH	Black	Brown	Blue or grey
DEUTSCH	Schwarz	Braun	Blau od. grau
FRANÇAIS	Noir	Marron	Bleu ou gris
ESPAÑOL	Negro	Marrón	Azul o gris
ITALIANO	Nero	Marrone	Blu o grigio
NEDERLANDS	Zwart	Bruin	Blauw of grijs
DANSK	Sort	Brun	Blå eller grå
SVENSKA	Svart	Brun	Blå eller grå
SUOMEKSI	Musta	Ruskea	Sininen tai harmaa
РУССКИЙ	Чёрный	Корич-невый	Синий или серый
中文	黑色	棕色	蓝色或灰色



GS Compressors

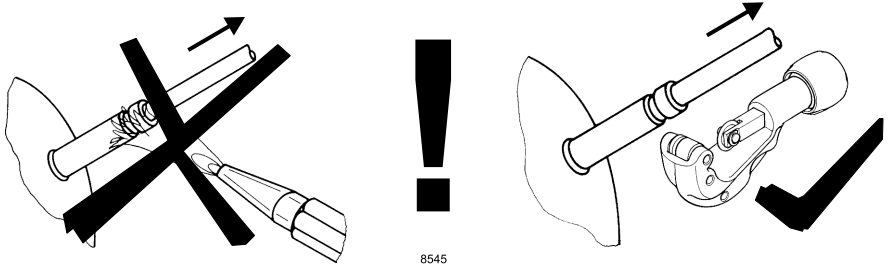
SECOP

Keep electrical equipment clear from oil, chemicals, and water

When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

Service/Repair – R1234yf

(applies to all flammable refrigerants)



Dismantling, recycling, disposal: At the end of a compressor's lifecycle, proceed by separating and storing components according to their environmental impact. Parts that may cause pollution must be clearly identified and handled separately, ensuring appropriate disposal. Refrigerant gas must not be released into the environment and should be recovered by qualified operators. Compressor oil must also be collected separately. The compressor should be disposed of at specialized disposal centers in accordance with the applicable regulations. **Subject to modifications/alterations. www.secop.com**