

Single Pack PLE35K 220-240V 50Hz RSCR

Single pack code number: **195B4417**

Position	Title	Code	Amount
1	Compressor PLE35K	101H0360	1
2	PTC starting device (220V, 250hm, 4.8mm)	103N0021	1
3	Protection screen for PTC	103N0476	1
4	Cord relief	103N1010	1
5	Cover	103N0491	1
6	Bolt joint for one compressor M6 ø16mm	118-1917	1

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PLE35K Energy-optimized Compressor R600a 220-240V 50Hz

General

Code number	101H0360
Approvals	EN 60335-2-34 with Annex AA
Compressors on pallet	150

Application

Application	MBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-25 to 0	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous (short)	°C	60 (70)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		–	S	–	–	–	–
38°C		–	S	–	–	–	–
43°C		–	–	–	–	–	–
Remarks on application:							

Motor

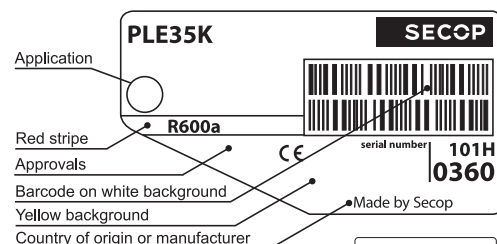
Motor type	RSCR		
LRA (rated after 4 sec. UL984), HST LST	A	–	1.3
Cut in Current, HST LST	A	–	5.0
Resistance, main start winding (25°C)	Ω	57.0	22.0

Design

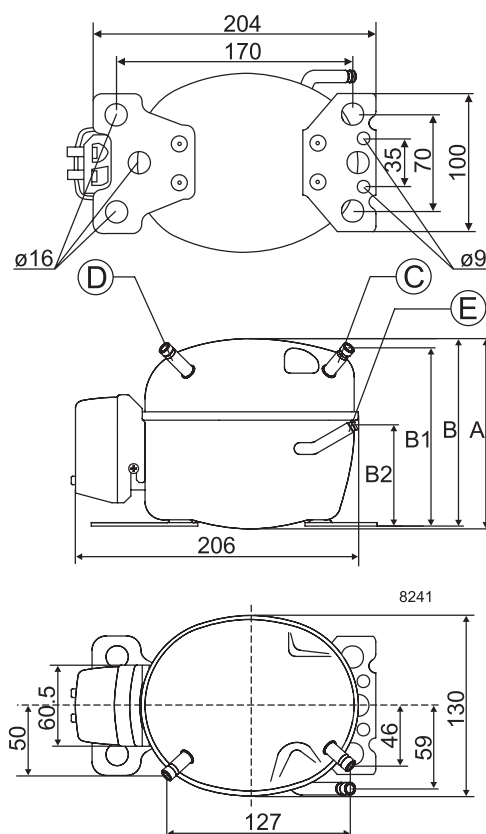
Displacement	cm³	3.00
Oil quantity (type)	cm³	150 (polyolester)
Maximum refrigerant charge	g	120
Free gas volume in compressor	cm³	870
Weight without electrical equipment	kg	4.8

Dimensions

Height	mm	A	137
		B	135
		B1	128
		B2	73
Suction connector	location/I.D. mm angle	C	6.2 40°
	material comment	Cu-plated steel Al cap	
Process connector	location/I.D. mm angle	D	6.2 45°
	material comment	Cu-plated steel Al cap	
Discharge connector	location/I.D. mm angle	E	5.0 21°
	material comment	Cu-plated steel Al cap	
Oil cooler connector	location/I.D. mm angle	F	–
	material comment	–	
Connector tolerance	I.D. mm	±0.09, on 5.0 +0.12/+0.20	
Remarks:			



- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



EN 12900 Household (CECOMAF)

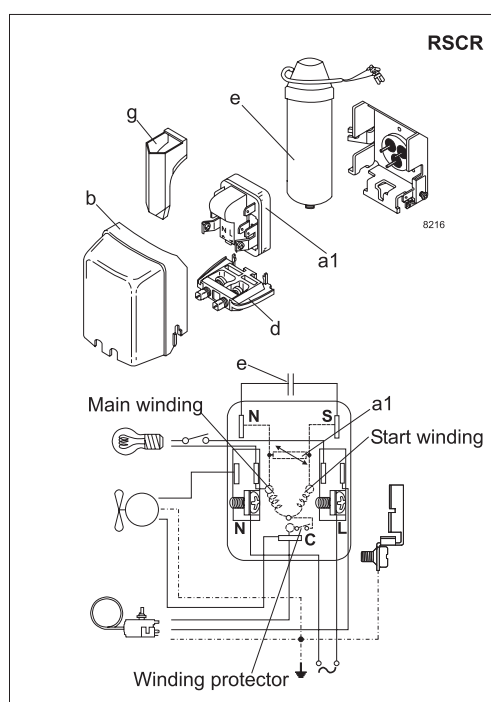
220V, 50Hz, RC 4 µF, static cooling, PTC consumption incl.

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W					27.2	30.8	38.4	51.7	67.7	80.0	86.6	109					
Power cons. in W					40.1	41.4	44.0	48.3	53.1	57.0	58.6	64.9					
Current cons. in A					0.21	0.21	0.23	0.25	0.27	0.28	0.29	0.31					
COP in W/W					0.68	0.74	0.87	1.07	1.28	1.41	1.48	1.67					

ASHRAE LBP

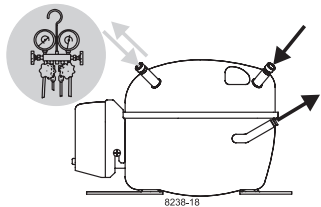
220V, 50Hz, RC 4 µF, static cooling, PTC consumption incl.

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W					33.2	37.5	46.7	63.0	82.5	98.0	106	132					
Power cons. in W					40.1	41.4	44.0	48.3	53.1	57.0	58.6	64.9					
Current cons. in A					0.21	0.21	0.23	0.25	0.27	0.28	0.29	0.31					
COP in W/W					0.83	0.90	1.06	1.30	1.55	1.73	1.80	2.04					



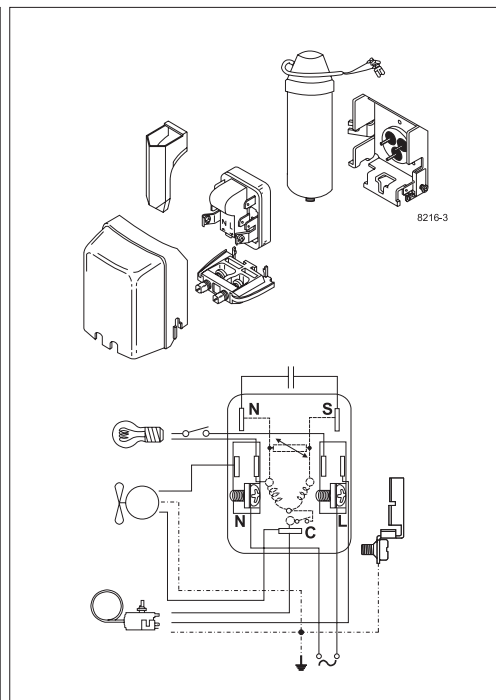
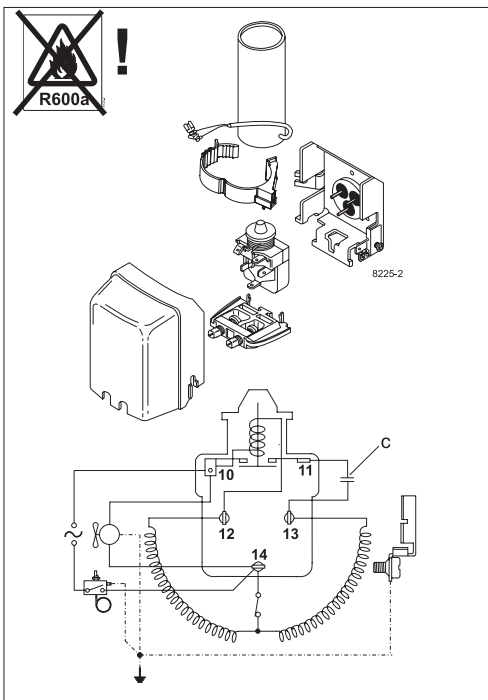
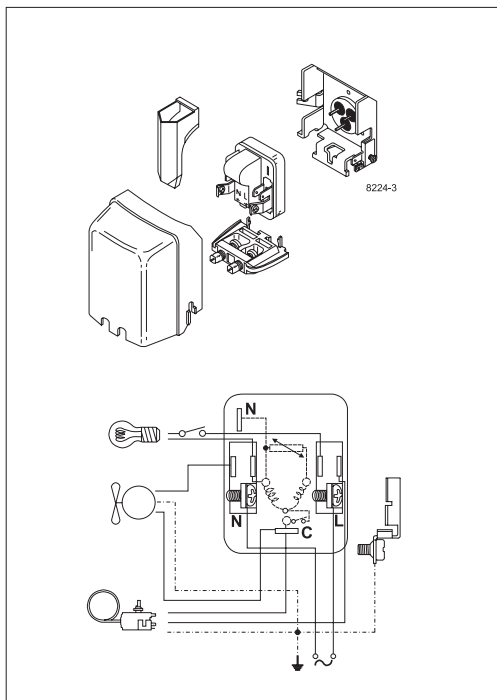
Accessories for PLE35K		Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE												
PTC starting device	6.3 mm spade connectors	a1	103N0016	Condensing temperature	55°C	55°C												
	4.8 mm spade connectors		103N0021	Ambient temperature	32°C	32°C												
Cover		b	103N0491	Suction gas temperature	32°C	32°C												
Cord relief		d	103N1010	Liquid temperature	no subcooling	32°C												
Run capacitor 4 µF (compulsory)	6.3 mm spade connectors	e	117-7117	<table><tr><th colspan="2">Mounting accessories</th><th>Code number</th></tr><tr><td>Bolt joint for one comp.</td><td>Ø: 16 mm</td><td>118-1917</td></tr><tr><td>Bolt joint in quantities</td><td>Ø: 16 mm</td><td>118-1918</td></tr><tr><td>Snap-on in quantities</td><td>Ø: 16 mm</td><td>118-1919</td></tr></table>			Mounting accessories		Code number	Bolt joint for one comp.	Ø: 16 mm	118-1917	Bolt joint in quantities	Ø: 16 mm	118-1918	Snap-on in quantities	Ø: 16 mm	118-1919
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	4.8 mm spade connectors	117-7119																
Protection screen for PTC		g	103N0476															

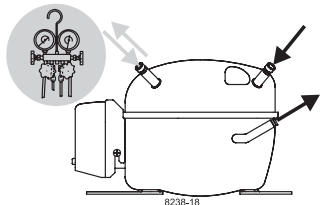
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PL Compressors

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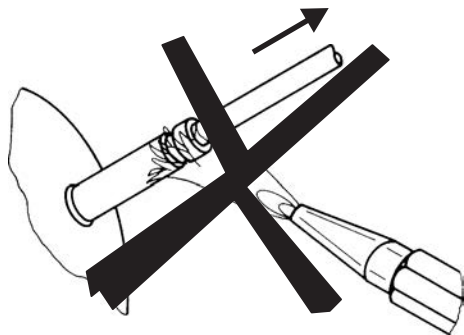




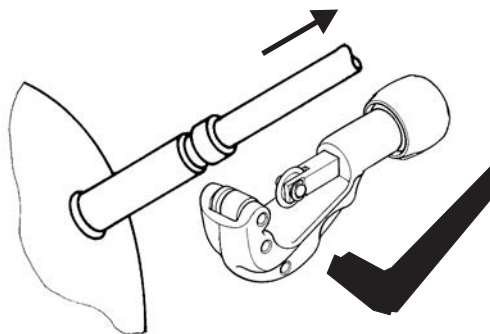
PL Compressors

Service/Repair – R600a

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