Single Packs



Single Pack PL50F 115V 60Hz CSIR

Single pack code number: 195B4318

Position	Title	Code	Amount
1	Compressor PL50F	101G9202	1
2	Starting relay	117U6000	1
3	Starting capacitor (80µF 220V, 6.3mm)	117U5015	1
4	Cord relief	103N1010	1
5	Cover	103N0492	1

 $\textbf{Secop GmbH} \cdot \textbf{Lise-Meitner-Straße 29} \cdot 24941 \, \textbf{Flensburg, Germany} \cdot \textbf{Tel: +49} \, 4614941 \, \textbf{0} \cdot \textbf{www.secop.com}$

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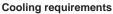
PL50F Standard Compressor R134a 115V 60Hz

General

Code number	101G9202
Approvals	UL984
Compressors on pallet	150

Application

Application	LBP/MBP				
Frequency	Hz	50	60		
Evaporating temperature	°F	_	-13 to 32		
Voltage range	V	_	103 - 127		
Max. condensing temperature continuous (short)	°F	_	122 (140)		
Max. winding temperature continuous (short)	°F	_	257 (275)		



3 4							
Frequency	Hz		50			60	
Application		LBP	MBP	НВР	LBP	MBP	НВР
90°F		_	_	_	S	S	_
100°F		_	_	_	S	S	_
110°F		_	_	_	S	S	_
Remarks on application:							

Application PL50F SECOP Application Blue stripe Approvals Barcode on white background Green background Country of origin or manufacturer SECOP SECOP Application Serial number 101G 9202 Amade by Secop



ø0.35"(9)

= Static cooling normally sufficient

O = Oil cooling

 F_1 = 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 sufficent

= not applicable in this area

Motor

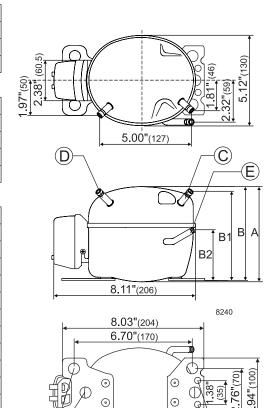
Motor type	RSIR/CSIR				
LRA (rated after 4 sec. UL984), HST LST	Α	6.1	9.5		
Cut in Current, HST LST	Α	6.1	9.5		
Resistance, main start winding (77°F)	Ω	7.6	13.6		

Design

Displacement	cu.in	0.12
Oil quantity (type)	fl.oz.	5.1 (polyolester)
Maximum refrigerant charge	OZ.	10.5
Free gas volume in compressor	fl.oz.	28.9
Weight without electrical equipment	lbs.	9.5

Dimensions

Height	inch	A 5.28	
rieigiit	IIICII		
		B 5.20	
		B1 4.88	
		B2 2.87	
Suction connector	location, I.D. in. angle	C 0.252-0.259 40°	5
	material comment	Cu-plated steel Al	сар
Process connector	location, I.D. in. angle	D 0.252-0.259 45°	5
	material comment	Cu-plated steel Al	сар
Discharge connector	location, I.D. in. angle	E 0.202-0.205 21°	5
	material comment	Cu-plated steel Al	сар
Oil cooler connector	location, I.D. in. angle	F –	
	material comment	_	
Remarks:			



ø0.63 (16)

ASHRAE LBP

115V, 60Hz, static cooling, PTC consumption incl.

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	32	41	45	50	59	68
Capacity in BTU/h					155	175	249	335	374	437	557	584					
Power cons. in W					62.3	65.0	73.2	80.9	84	88.5	96.2	97.8					
Current cons. in A					1.12	1.13	1.18	1.22	1.24	1.27	1.33	1.34					
EER in BTU/Wh					2.49	2.70	3.39	4.14	4.45	4.94	5.79	5.97					

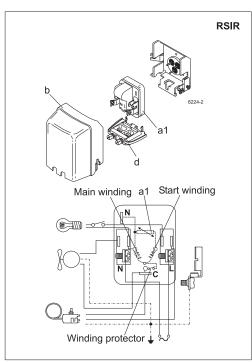
ASHRAE MBP

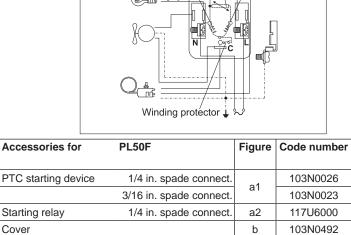
115V, 60Hz, static cooling, PTC consumption incl.

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	32	41	45	50	59	68
Capacity in BTU/h					138	156	221	299	333	388	494	518					
Power cons. in W					62.3	65.0	73.2	80.9	84	88.5	96.2	97.8					
Current cons. in A					1.12	1.13	1.18	1.22	1.24	1.27	1.33	1.34					
EER in BTU/Wh					2.21	2.40	3.02	3.69	3.97	4.38	5.14	5.29					

EN 12900 Household (CECOMAF) 115V, 60Hz, static cooling, PTC consumption incl.

Evap. temp. in °F	-49	-40	-30	-20	-13	-10	0	10	14	20	30	32	41	45	50	59	68
Capacity in W					36.8	41.5	58.9	79.3	88	103	132	138					
Power cons. in W					62.3	65.0	73.2	80.9	84	88.5	96.2	97.8					
Current cons. in A					1.12	1.13	1.18	1.22	1.24	1.27	1.33	1.34					
COP in W/W					0.59	0.64	0.80	0.98	1.05	1.17	1.37	1.41					





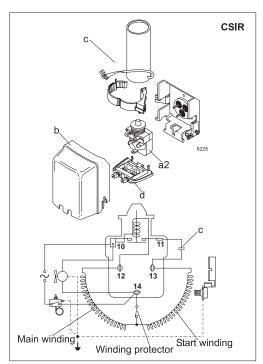
1/4 in. spade connect.

С

d

Start. capacitor 80 µF

Cord relief



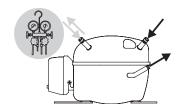
Test conditions	ASHRAE MBP	ASHRAE LBP*	EN 12900/ CECOMAF		
Condensing temp.	130°F	130°F	131°F		
Ambient temp.	95°F	90°F	90°F		
Suction gas temp	95°F	90°F	90°F		
Liquid temperature	115°F	90°F	131°F		

Mounting accessories	Code number	
Bolt joint for one comp.	Ø: 5/8 in.	118-1917
Bolt joint in quantities	Ø: 5/8 in.	118-1918
Snap-on in quantities	Ø: 5/8 in.	118-1919

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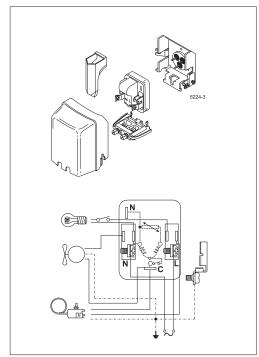
117U5015

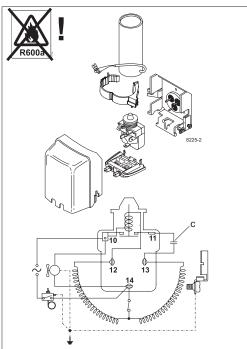
103N1010

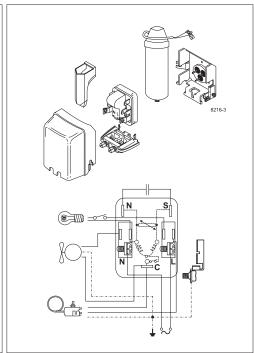


PL Compressors



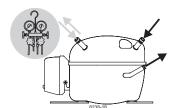






February 2011

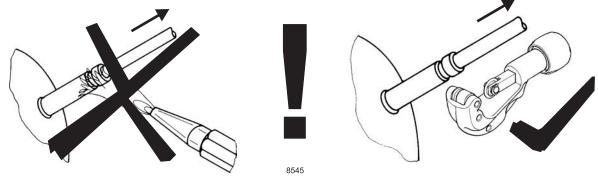
DES.I.200.H1.02 / 520N0370



PL Compressors Service/Repair – R600a







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