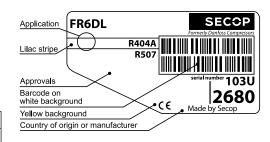


FR6DL LBP/HBP Compressor R404A/R507 220-240V 50Hz



General							
Code number	103U2680						
Approvals	EN 60335-2-34						
Compressors on pallet	80						

Application

Frequency

Application

32°C

38°C

43°C

Cooling requirements

Remarks on application:

	LBP/MBP					
Hz	50	60				
°C	-20 to 15	_				
V	198 - 254	_				
°C	50 (60)	_				
°C	125 (135)	_				
	°C V °C	Hz 50 °C -20 to 15 V 198 - 254 °C 50 (60)				

Hz

LBP MBP HBP LBP MBP HBP

F₂ F₂

 F_2

_ | _

50

F<u>2</u>

_ | _ | _

_

- | -

_ | _

= Static cooling normally sufficient

O = Oil cooling

S

60

_

_

_

_

- 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

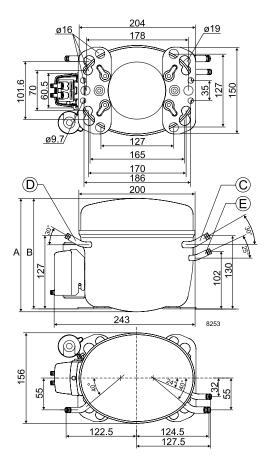
Motor type	CSIR				
LRA (rated after 4 sec. UL984), HST LST	А	10.0	-		
Cut in Current, HST LST	Α	10.0	-		
Resistance, main start winding (25°C)	Ω	7.3	12.0		

Design

Displacement	cm ³	6.23
Oil quantity (type)	cm ³	450 (polyolester)
Maximum refrigerant charge	g	850
Free gas volume in compressor	cm ³	1350
Weight without electrical equipment	kg	10.5

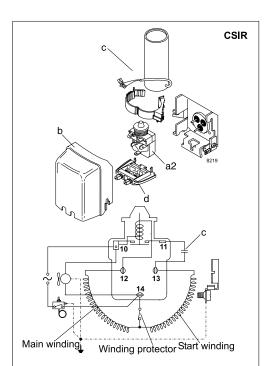
Dimensions

Height	mm	A 196
		B 191
		B1 –
		B2 –
Suction connector	location/I.D. mm angle	C 8.2 30°
	material comment	Cu-plated steel Al cap
Process connector	location/I.D. mm angle	D 6.2 30°
	material comment	Cu-plated steel Al cap
Discharge connector	location/I.D. mm angle	E 6.2 25°
	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
Remarks:		



EN 12900 Househo	ld (CEC	OMAF)	220V,	50Hz, fa	an cooli	ng F ₂										
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							317	385	471	538	576	698	840	907	999	1177	
Power cons. in W							290	321	354	377	388	423	456	469	485	509	
Current cons. in A							1.91	1.99	2.10	2.19	2.23	2.37	2.51	2.56	2.62	2.70	
COP in W/W							1.09	1.20	1.33	1.43	1.48	1.65	1.84	1.93	2.06	2.31	
ASHRAE LBP* 220V, 50Hz, fan cooling F ₂																	
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	1.2	10	15	20
Capacity in W							370	449	550	628	673	818	986	1065	1176	1389	
Power cons. in W							290	321	354	377	388	423	456	469	485	509	
Current cons. in A							1.91	1.99	2.10	2.19	2.23	2.37	2.51	2.56	2.62	2.70	
COP in W/W							1.27	1.40	1.56	1.67	1.73	1.94	2.16	2.27	2.42	2.73	



Accessories for	FR6DL	Figure	Code number	Test conditions	EN 12900/CECOMAF	ASHRAE LBP*
PTC starting device	6.3 mm spade connectors	- 1	-	Condensing temperature	45°C	45°C
	4.8 mm spade connectors	a1	-	Ambient temperature	32°C	32°C
Starting relay	6.3 mm spade connectors	a2	117U6010	Suction gas temperature	32°C	32°C
Cover		b	103N2010	Liquid temperature	no subcooling	32°C
Start. capacitor 80 µl	F 6.3 mm spade connectors	с	117U5015		· · · · · · · · · · · · · · · · · · ·	
Cord relief		d	103N1010	Mounting accessories		Code number
Protection screen for	PTC	g	-	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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