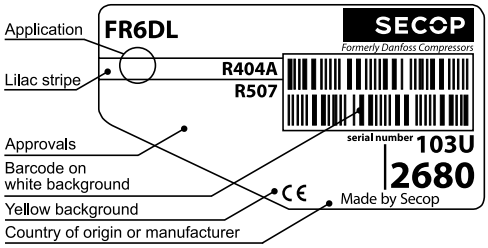
FR6DL
LBP/HBP Compressor
R404A/R507
220-240V 50Hz



General

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

Application

Application		LBP/MBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-20 to 15	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous (short)	°C	50 (60)	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		F_2	F_2	–	–	–	–
38°C		F_2	F_2	–	–	–	–
43°C		–	–	–	–	–	–
Remarks on application:							

S = Static cooling normally sufficient
O = Oil cooling
F_1 = Fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)
F_2 = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

Motor

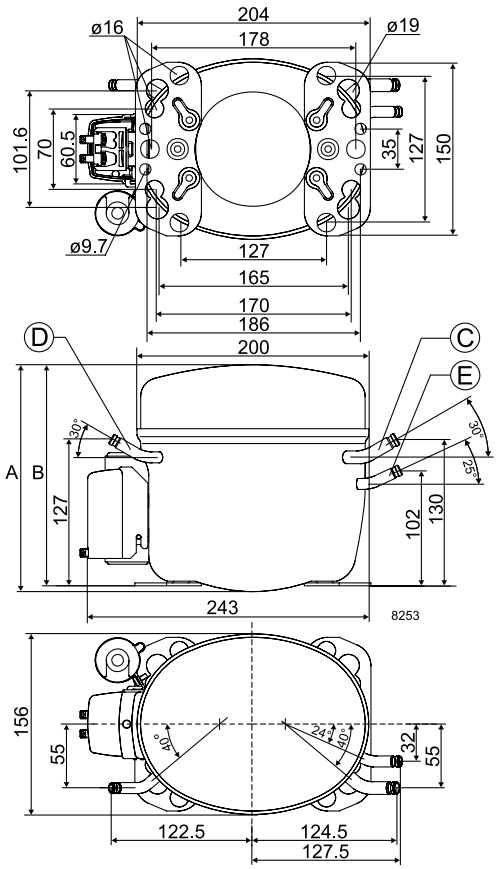
Motor type		CSIR	
LRA (rated after 4 sec. UL984), HST | LST	A	10.0	–
Cut in Current, HST | LST	A	10.0	–
Resistance, main | start winding (25°C)	Ω	7.3	12.0

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:			

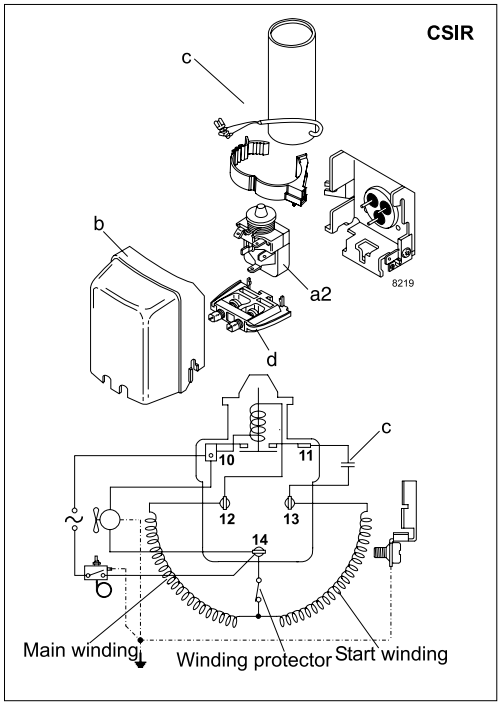


EN 12900 Household (CECOMAF) 220V, 50Hz, fan cooling F_2

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
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
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
PTC starting device	6.3 mm spade connectors	a1	–
	4.8 mm spade connectors		–
Starting relay	6.3 mm spade connectors	a2	117U6010
Cover		b	103N2010
Start. capacitor 80 µF	6.3 mm spade connectors	c	117U5015
Cord relief		d	103N1010
Protection screen for PTC		g	–

Test conditions	EN 12900/CECOMAF	ASHRAE LBP*
Condensing temperature	45°C	45°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	no subcooling	32°C

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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