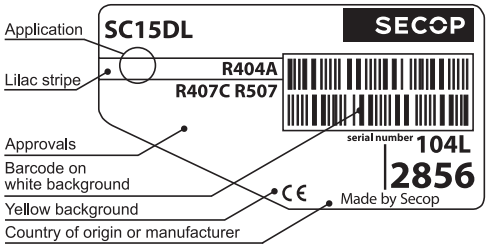
SC15DL
MBP/HBP Compressor
R404A/R507 & R407C
220-240V 50Hz



General

Code number	104L2856
Approvals	EN 60335-2-34
Compressors on pallet	80

Application

Application		MBP/HBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-20 to 15	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous (short)	°C	55 (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

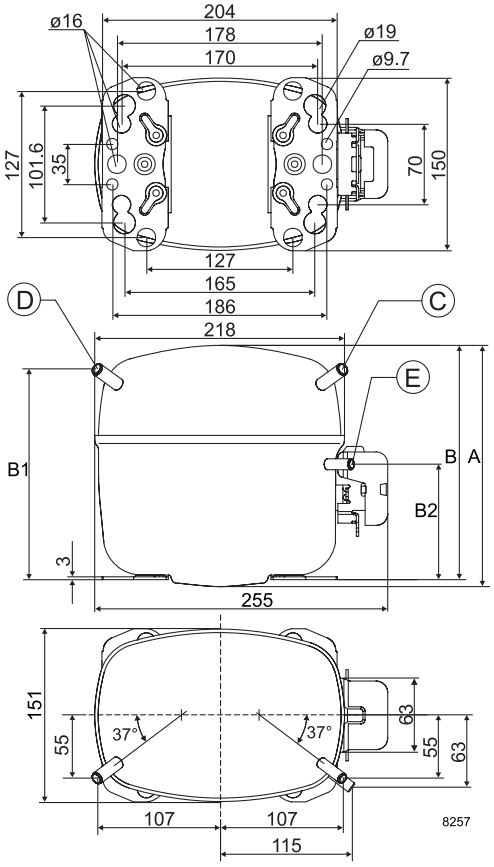
Motor type		CSR	
LRA (rated after 4 sec. UL984), HST | LST	A	21.8	–
Cut in Current, HST | LST	A	21.8	–
Resistance, main | start winding (25°C)	Ω	3.5	12.2

Design

Displacement	cm^3	15.28
Oil quantity (type)	cm^3	600 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm^3	1460
Weight without electrical equipment	kg	13.5

Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm | angle	C	10.2 | 37°
	material | comment		Copper | Rubber plug
Process connector	location/I.D. mm | angle	D	6.2 | 37°
	material | comment		Copper | Rubber plug
Discharge connector	location/I.D. mm | angle	E	6.2 | 37°
	material | comment		Copper | Rubber plug
Oil cooler connector	location/I.D. mm | angle	F	–
	material | comment		–
Connector tolerance	I.D. mm		±0.09
Remarks:			



EN 12900 Household (CECOMAF) **R404A/R507**, 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							759	964	1207	1391	1493	1825	2210	2397	2652	3156	
Power cons. in W							589	659	722	760	778	825	865	879	896	918	
Current cons. in A							3.09	3.46	3.79	3.98	4.07	4.31	4.50	4.57	4.64	4.75	
COP in W/W							1.29	1.46	1.67	1.83	1.92	2.21	2.56	2.73	2.96	3.44	

ASHRAE LBP **R404A/R507**, 220V, 50Hz, fan cooling F_2

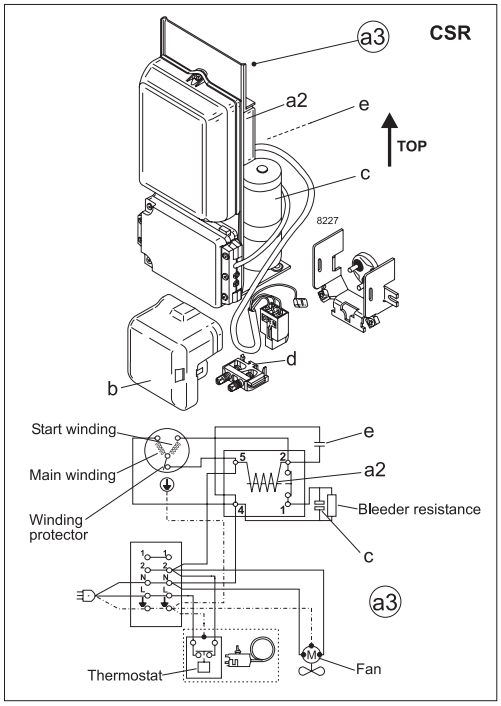
Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W							881	1121	1405	1613	1740	2131	2585	2807	3109	3710	
Power cons. in W							589	659	722	760	778	825	865	879	896	918	
Current cons. in A							3.09	3.46	3.79	3.98	4.07	4.31	4.50	4.57	4.64	4.75	
COP in W/W							1.50	1.70	1.95	2.12	2.24	2.58	2.99	3.19	3.47	4.04	

EN 12900 Household (CECOMAF) **R407C**, 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								777	1011	1187	1293	1629	2023	2217	2483	3014	
Power cons. in W								534	590	621	640	686	726	742	761	790	
Current cons. in A								2.84	3.08	3.22	3.30	3.50	3.67	3.74	3.82	3.94	
COP in W/W								1.45	1.71	1.90	2.02	2.37	2.79	2.99	3.26	3.82	

ASHRAE LBP **R407C**, 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								833	1084	1273	1387	1748	2173	2381	2668	3241	
Power cons. in W								534	590	621	640	686	726	742	761	790	
Current cons. in A								2.84	3.08	3.22	3.30	3.50	3.67	3.74	3.82	3.94	
COP in W/W								1.56	1.84	2.05	2.17	2.55	2.99	3.21	3.51	4.10	



Accessories for SC15DL		Figure	Code number
Sarting device			
	550 mm cable length	a3	117-7029
	650 mm cable length		117-7032
Cover		b	103N2009
Starting relay	6.3 mm spade connectors	a2	Components of starting device
Start. capacitor 80 µF	6.3 mm spade connectors	c	
Run capacitor 10 µF	6.3 mm spade connectors	e	
Cord relief		d	103N1004

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	45°C	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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