

SC15DL

MBP/HBP Compressor

R404A/R507

220-240V 50Hz

Data Sheet (Replaces CF.54.M2.02)

General

Compressor	SC15DL
Code number	104L2856

Application

Application	MBP/HBP
Evaporating temperature range °C	-20 to 15
Voltage range V/Hz	198 - 254 /50
Motor type	CSR
Max. ambient temperature °C	38
Comp. cooling at ambient temp. 32°C	F ₂
38°C	F ₂

Design

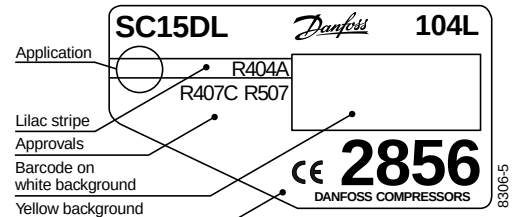
Displacement cm ³	15.28
Oil quantity cm ³	600
Maximum refrigerant charge g	1300
Free gas vol. in compressor cm ³	1460
Weight without electrical equipment kg	13.5

Motor

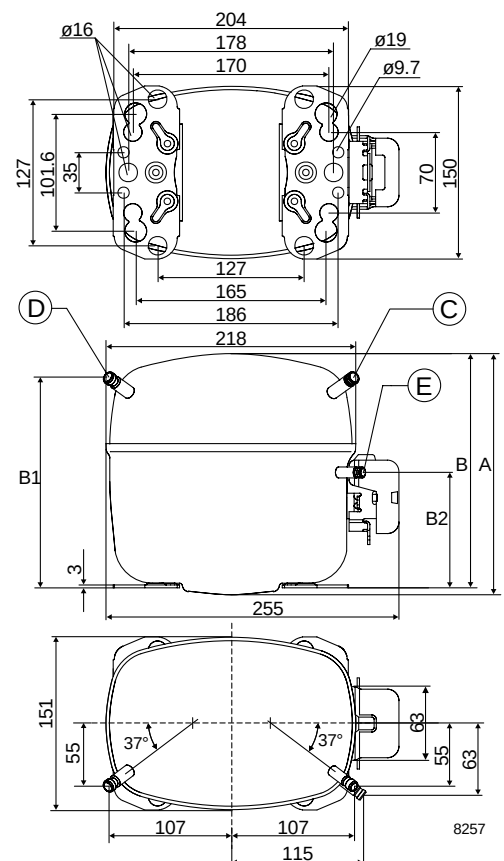
Motor size watt	550
LRA (rated after 4 sec. UL984) HST A	21.8
Cut-in current HST A	21.8
Resistance, main and start winding (25°C) Ω	3.5/12.2
Approvals	EN 60335-2-34

Dimensions

Height mm	A	219
	B	213
	B1	193
	B2	110
Suction connector location/I.D. mm	C	10.2 ±0.09
Process connector location/I.D. mm	D	6.2 ±0.09
Discharge connector location/I.D. mm	E	6.2 ±0.09
Compressors on a pallet pcs.		80



- 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



Capacity (EN 12900/CECOMAF)**watt**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	759	964	1207	1493	1825	2210	2397	2652	3156

Capacity (ASHRAE)**watt**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	881	1121	1405	1740	2131	2585	2807	3109	3710

Power consumption**watt**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	589	659	722	778	825	865	879	896	918

Current consumption**A**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	3.09	3.46	3.79	4.07	4.31	4.50	4.57	4.64	4.75

COP (EN 12900/CECOMAF)**W/W**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	1.29	1.46	1.67	1.92	2.21	2.56	2.73	2.96	3.44

COP (ASHRAE)**W/W**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC15DL	1.50	1.70	1.95	2.24	2.58	2.99	3.19	3.47	4.04

Test conditions

EN 12900/CECOMAF

ASHRAE

Condensing temperature

45°C

45°C

Ambient and suction gas temp.

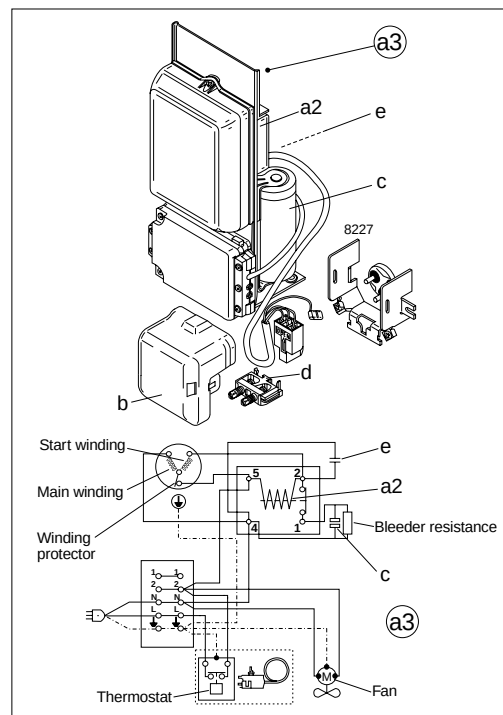
32°C

32°C

Liquid temperature

45°C

32°C

Fan cooling F₂, 220V 50Hz**Accessories**

Devices	Fig.	SC15DL
Starting device	a3	117-7028 (470 mm cable length) 117-7029 (550 mm cable length) 117-7032 (650 mm cable length)
Cover	b	103N2009
Starting relay	a2	Components of starting device
Starting capacitor	c	
Run capacitor	e	
Cord relief	d	103N1004
Mounting accessories		
Bolt joint for one compressor		118-1917
Bolt joint in quantities		118-1918
Snap-on in quantities		118-1919