

SC10DL

MBP/HBP Compressor

R404A/R507

220-240V 50Hz

Data Sheet (Replaces CF.54.K2.02)

General

Compressor	SC10DL
Code number	104L2525

Application

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

Design

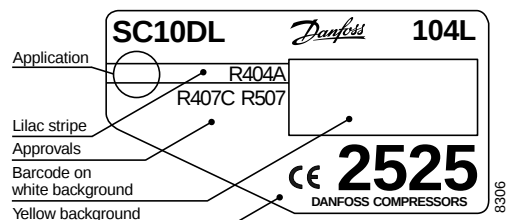
Displacement cm ³	10.29
Oil quantity cm ³	600
Maximum refrigerant charge g	1300
Free gas vol. in compressor cm ³	1410
Weight without electrical equipment kg	13.1

Motor

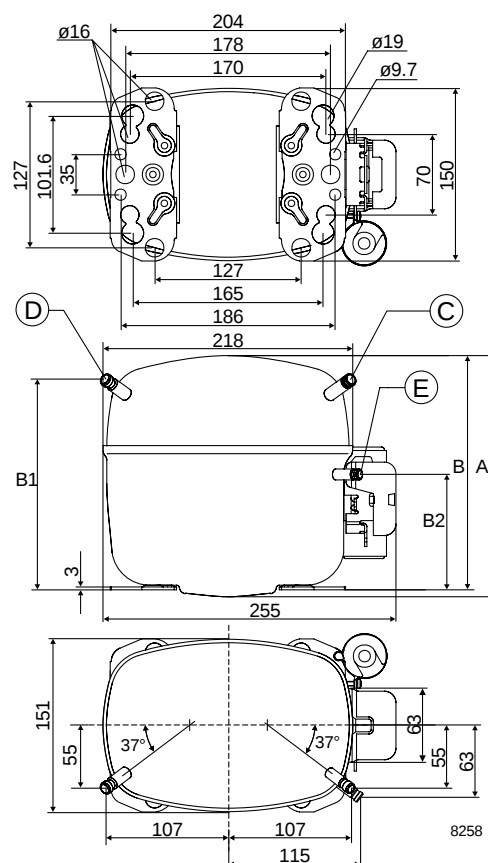
Motor size watt	385
LRA (rated after 4 sec. UL984) HST A	14.8
Cut-in current HST A	14.8
Resistance, main and start winding (25°C) Ω	5.0/13.7
Approvals	EN 60335-2-34

Dimensions

Height mm	A	209
	B	203
	B1	183
	B2	100
Suction connector location/I.D. mm	C	8.2 ±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
SC10DL	471	611	775	968	1192	1450	1576	1747	2085

Capacity (ASHRAE)**watt**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC10DL	547	710	902	1128	1391	1696	1845	2048	2451

Power consumption**watt**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC10DL	373	429	479	522	559	590	601	614	631

Current consumption**A**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC10DL	2.55	2.78	2.97	3.15	3.30	3.42	3.47	3.53	3.61

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

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC10DL	1.26	1.42	1.62	1.85	2.13	2.46	2.62	2.85	3.30

COP (ASHRAE)**W/W**

Comp.°C	-20	-15	-10	-5	0	5	7.2	10	15
SC10DL	1.47	1.66	1.89	2.16	2.49	2.88	3.07	3.34	3.88

Test conditions

EN 12900/CECOMAF

ASHRAE

Condensing temperature

45°C

45°C

Ambient and suction gas temp.

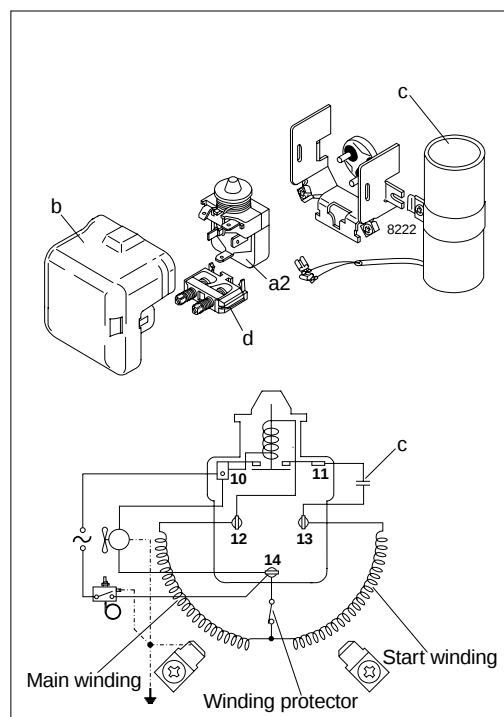
32°C

32°C

Liquid temperature

45°C

32°C

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

Devices	Fig.	SC10DL
Starting relay	a2	117U6005
Cover	b	103N2009
Starting capacitor 80 µF	c	117U5017
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