

# SC10CL

## LBP/MBP Compressor

### R404A/R507

### 220-240V 50Hz

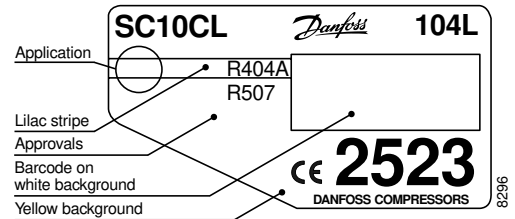
Data Sheet (Replaces CF.54.A1.02)

**General**

Compressor	<b>SC10CL</b>
Code number	104L2523

**Application**

Application		LBP/MBP
Evaporating temperature range	°C	-35 to -5
Voltage range	V/Hz	198 - 254 /50
Motor type		CSIR
Max. ambient temperature	°C	38
Comp. cooling at ambient temp.	32°C	F <sub>2</sub>
	38°C	F <sub>2</sub>



- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary

**Design**

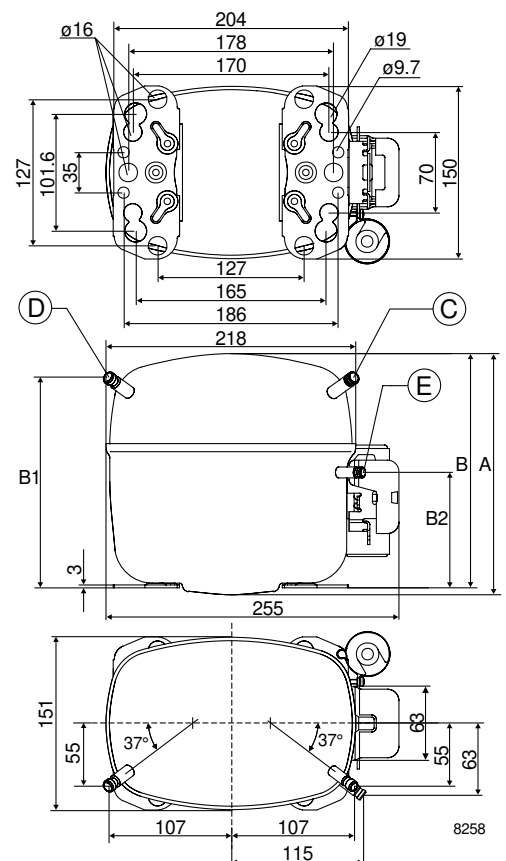
Displacement	cm <sup>3</sup>	10.29
Oil quantity	cm <sup>3</sup>	550
Maximum refrigerant charge	g	1300
Free gas vol. in compressor	cm <sup>3</sup>	1460
Weight without electrical equipment	kg	13.1

**Motor**

Motor size	watt	315
LRA (rated after 4 sec. UL984) HST	A	12.6
Cut-in current HST	A	12.6
Resistance, main and start winding (25°C)	Ω	6.7/11.8
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



**Capacity (EN 12900/CECOMAF)**

**watt**

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	168	258	365	405	489	634	800	991

**Capacity (ASHRAE)**

**watt**

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	195	300	424	470	569	737	932	1154

**Power consumption**

**watt**

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	243	294	350	370	410	471	530	584

**Current consumption**

**A**

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	1.91	2.05	2.22	2.27	2.39	2.59	2.81	3.04

**COP (EN 12900/CECOMAF)**

**W/W**

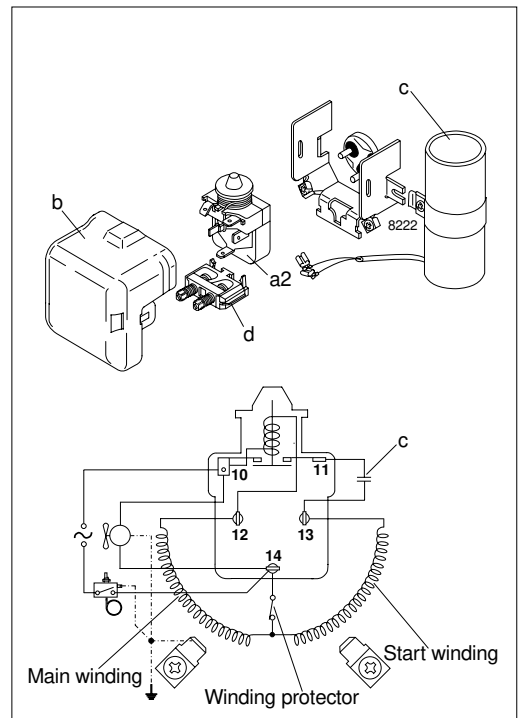
Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	0.69	0.88	1.04	1.09	1.19	1.35	1.51	1.70

**COP (ASHRAE)**

**W/W**

Comp. °C	-35	-30	-25	-23.3	-20	-15	-10	-5
SC10CL	0.80	1.02	1.21	1.27	1.39	1.57	1.76	1.98

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 F <sub>2</sub> , 220V 50Hz		



**Accessories**

Devices	Fig.	SC10CL
Starting relay	a2	117U6003
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

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