

# SC10/10DL MBP/HBP Twin Compressor R404A/R507 220-240V 50Hz

Data Sheet (Replaces CF.54.N2.02)

## General

Compressor	<b>SC10/10DL</b>
Code number	104L4091

## 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 <sub>2</sub>
	38°C	F <sub>2</sub>

## Design

Displacement	cm <sup>3</sup>	2 x 10.29
Oil quantity	cm <sup>3</sup>	1220
Maximum refrigerant charge	g	2200
Free gas vol. in compressor	cm <sup>3</sup>	2820
Weight without electrical equipment	kg	26.8

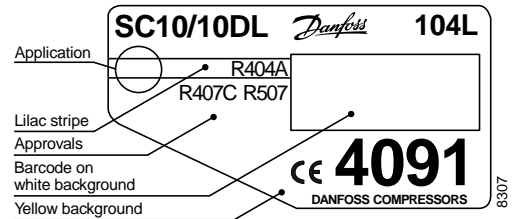
## Motor

Motor size	watt	2 x 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	

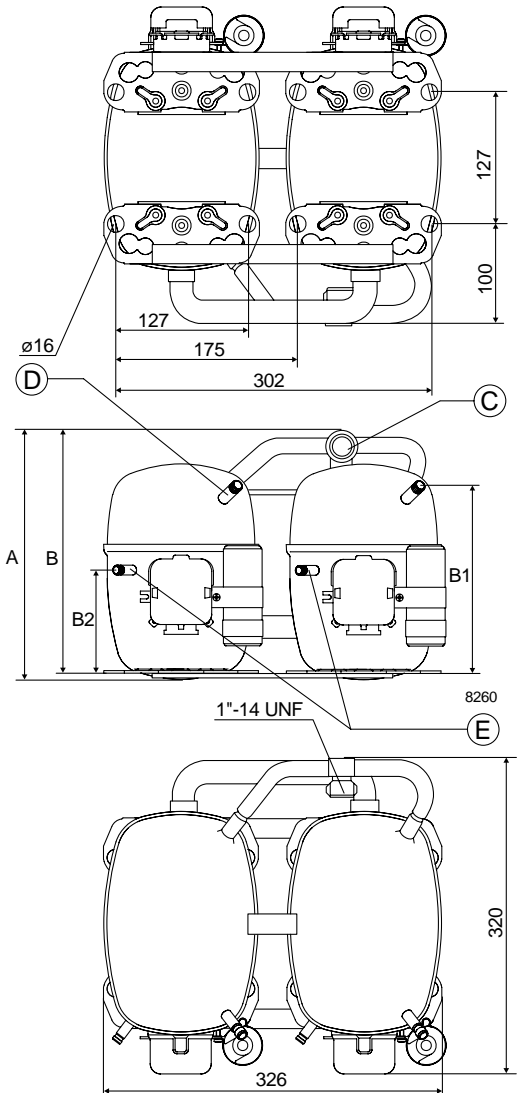
\* Operational current for the second compressor time-delayed.

## Dimensions

Height	mm	A	249
		B	244
		B1	183
		B2	100
Suction connector			
Service valve	location/I.D. mm	C	12
Solder connector	location/I.D. mm	C	12
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.		18



- 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



### Capacity (EN 12900/CECOMAF)

watt

Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	943	1222	1550	1935	2383	2900	3152	3494	4169

### Capacity (ASHRAE)

watt

Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	1095	1420	1804	2256	2782	3392	3690	4095	4901

### Power consumption

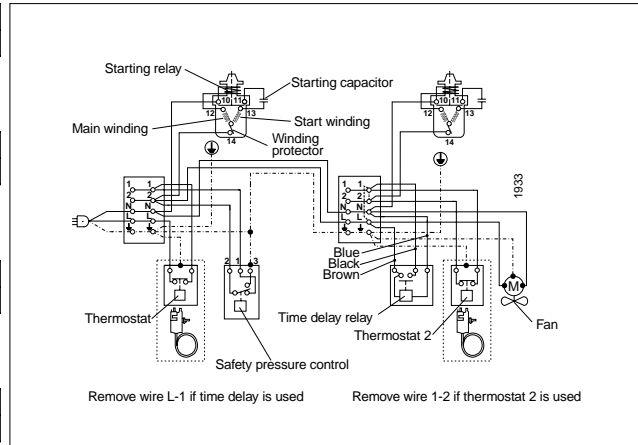
watt

Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	747	858	957	1044	1118	1180	1203	1228	1262

### Current consumption

A

Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	5.11	5.55	5.95	6.30	6.60	6.85	6.95	7.06	7.21



### COP (EN 12900/CECOMAF)

W/W

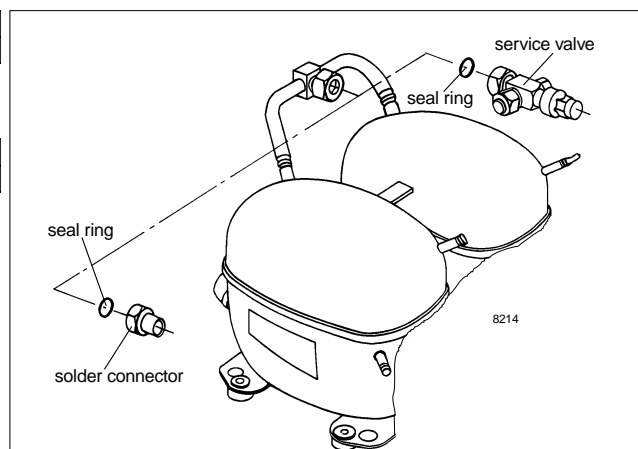
Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	1.26	1.42	1.62	1.85	2.13	2.46	2.62	2.85	3.30

### COP (ASHRAE)

W/W

Comp. °C	-20	-15	-10	-5	0	5	7.2	10	15
SC10/10DL	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 F <sub>2</sub> , 220V 50Hz		



### Accessories

Devices	pcs.	SC10/10DL
Starting relay	2	117U6005
Starting capacitor 80 μF	2	117U5017
Cover	2	103N2009
Cord relief	2	103N1004
Time-delay relay	1	117N0001
Check valve (to be used with time-delay relay)	2	020-1014
Service valve	1	118-7350 (12 mm)
Solder connector (alternative)	1	104B0584 (12 mm)
Seal ring for service valve and solder connector	1	118-3638
Mounting accessories		
Bolt joint for one compressor	2	118-1917
Bolt joint in quantities		118-1918