

# SC15CNX

## LBP/MBP Compressor

### R290 (Propane)

### 220-240V 50Hz

Data Sheet (Replaces CH.54.C3.02)

#### General

Compressor	<b>SC15CNX</b>
Code number	104H8565

#### Application

Application	LBP/MBP	
Evaporating temperature range	°C	-40 to 5
Voltage range	V/Hz	198 - 254 /50
Motor type	CSR	
Max. ambient temperature	°C	43
Comp. cooling at ambient temp.	32°C	F <sub>2</sub>
	38°C	F <sub>2</sub>
	43°C	F <sub>2</sub>

#### Design

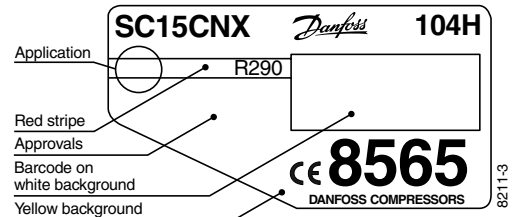
Displacement	cm <sup>3</sup>	15.28
Oil quantity	cm <sup>3</sup>	600
Maximum refrigerant charge	g	150
Free gas vol. in compressor	cm <sup>3</sup>	1410
Weight without electrical equipment	kg	13.1

#### Motor

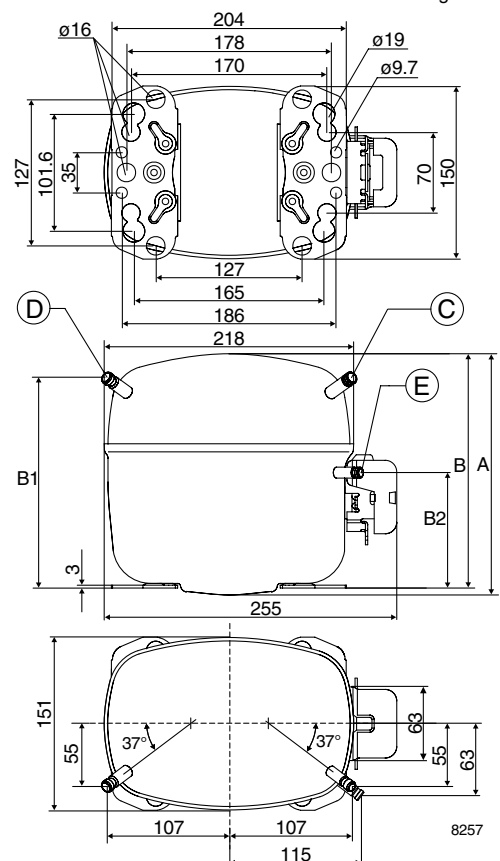
Motor size	watt	385
LRA (rated after 4 sec. UL984) HST	A	14.8
Cut-in current HST	A	14.8
Resistance, main and start winding (25°C)	Ω	5.0/13.7
Approvals	EN 60335-2-34	

#### Dimensions

Height	mm	A	209
		B	203
		B1	183
		B2	110
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
- 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	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	195	297	415	550	601	707	887	1093	1328	1594	1894

### Capacity (ASHRAE)

watt

Comp. °C	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	217	331	462	614	671	789	991	1221	1485	1784	2122

### Power consumption

watt

Comp. °C	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	256	315	370	420	436	467	514	560	608	659	715

### Current consumption

A

Comp. °C	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	1.28	1.55	1.82	2.08	2.17	2.33	2.58	2.82	3.05	3.27	3.49

### COP (EN 12900/CECOMAF)

W/W

Comp. °C	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	0.76	0.94	1.12	1.31	1.38	1.51	1.73	1.95	2.18	2.42	2.65

### COP (ASHRAE)

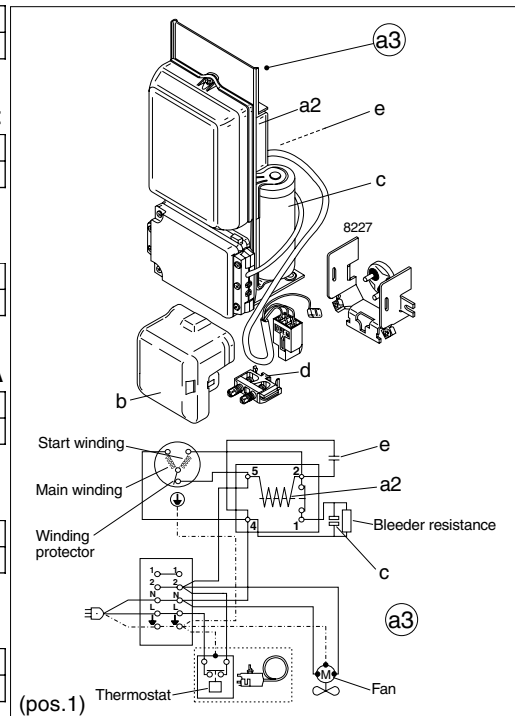
W/W

Comp. °C	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5
SC15CNX	0.85	1.05	1.25	1.46	1.54	1.69	1.93	2.18	2.44	2.71	2.97

Test conditions  
 Condensing temperature  
 Ambient and suction gas temp.  
 Liquid temperature  
 Fan cooling F<sub>2</sub>, 220V 50Hz

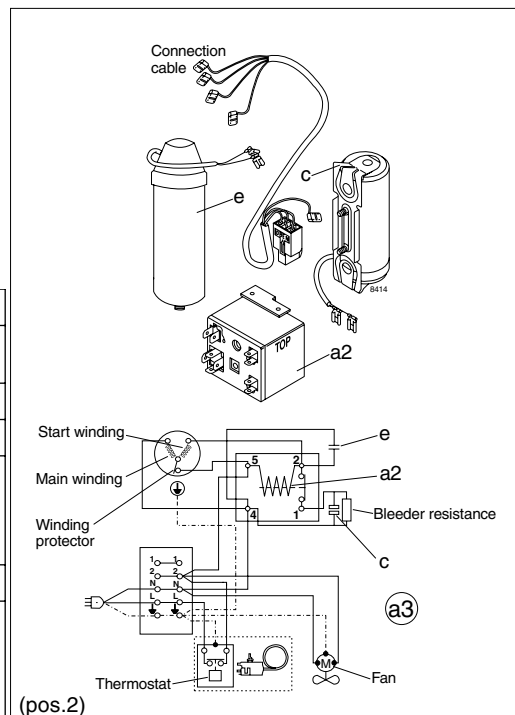
EN 12900/CECOMAF  
 45°C  
 32°C  
 45°C

ASHRAE  
 45°C  
 32°C  
 32°C



### Accessories

Devices	Fig.	SC15CNX
Starting device	a3 (pos.1)	117-7051 (470 mm cable length)
Starting device (kit)	(pos.2)	117-9711 (1020 mm cable length)
Cover	b	103N2009
Starting relay	a2	Components of starting device
Starting capacitor	c	
Run capacitor	e	
Cord relief	d	
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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