

SC15G

Universal Compressor

R134a

220-240V 50Hz

Data Sheet (Replaces CD.44.K3.02)

General

Compressor	SC15G
Code number	104G8520
Code number	104G8525
Code number compressor with oil cooler	104G8530

Application

Application	LBP/HBP
Evaporating temperature range °C	-35 to 15
Voltage range V/Hz	LBP: 187 - 254 /50 LBP: 198 - 254 /60 HBP: 198 - 254 /50
Motor type	CSIR
Max. ambient temperature °C	43
Comp. cooling at ambient temp. 32°C	LBP: O/F ₁ HBP: F ₂
38°C	LBP: O/F ₁ HBP: F ₂
43°C	LBP: O/F ₁ HBP: F ₂

Design

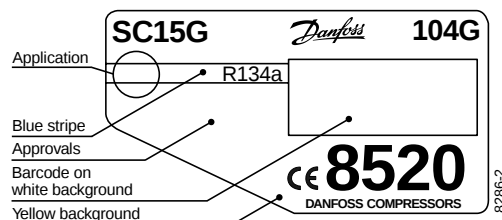
Displacement cm ³	15.28
Oil quantity cm ³	600 (550 on comp. with oil cooler)
Maximum refrigerant charge g	1300
Free gas vol. in compressor cm ³	1410
Weight without electrical equipment kg	13.1

Motor

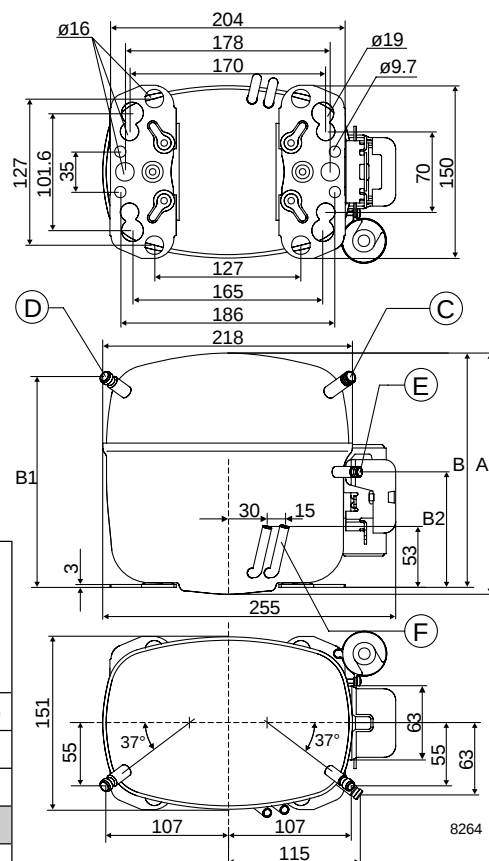
Motor size watt	385
LRA (rated after 4 sec. UL984) HST A	14.8
Cut-in current HST A	14.8
Resistance, main and start winding (25°C) Ω	5.0/13.7
Approvals	EN 60335-2-34

Dimensions

		104G8530	104G8520	104G8525
Height mm	A	209		
	B	203		
	B1	183		
	B2	100		
Suction connector location/I.D. mm	C	10.2 ±0.09	10.2 ±0.09	10.2 ±0.09
Process connector location/I.D. mm	D	6.2 ±0.09	6.2 ±0.09	6.5 ±0.09
Discharge connector location/I.D. mm	E	6.2 ±0.09	6.2 ±0.09	6.5 ±0.09
Oil cooler location/I.D. mm	F	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	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	224	255	322	440	579	737	915	1113	1206	1330	1565

Capacity (ASHRAE)**watt**

Comp.°C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	275	314	396	542	714	910	1132	1378	1494	1649	1945

Power consumption**watt**

Comp.°C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	270	287	321	373	428	484	540	595	620	650	703

Current consumption**A**

Comp.°C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	2.18	2.23	2.32	2.48	2.64	2.80	2.95	3.08	3.13	3.18	3.24

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

Comp.°C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	0.83	0.89	1.00	1.18	1.35	1.52	1.70	1.87	1.95	2.05	2.23

COP (ASHRAE)**W/W**

Comp.°C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15G	1.02	1.09	1.24	1.45	1.67	1.88	2.10	2.31	2.41	2.54	2.76

Test conditions

EN 12900/CECOMAF

ASHRAE

Condensing temperature

55°C

55°C

Ambient and suction gas temp.

32°C

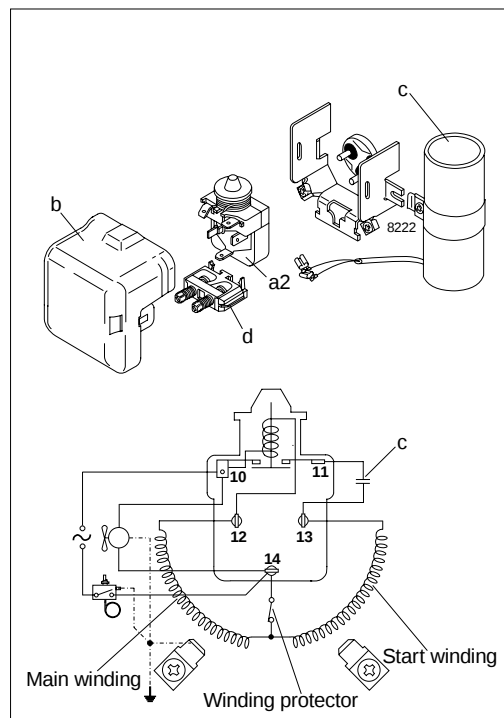
32°C

Liquid temperature

55°C

32°C

Fan cooling, 220V 50Hz



Kunjungi situs PT. Polarin Xinindo di polarin.co.id untuk mendapatkan kompresor Danfoss yang sesuai dengan kebutuhan Anda

Accessories

Devices	Fig.	SC15G
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

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