

SC15/15G

Universal Twin Compressor

R134a

220-240V 50Hz

Data Sheet (Replaces CD.44.R3.02)

General

Compressor	SC15/15G
Code number	104G8580

Application

Application		LBP/HBP
Evaporating temperature range	°C	-25 to 15
Voltage range	V/Hz	198 - 254 /50
Motor type		CSIR
Max. ambient temperature	°C	43
Comp. cooling at ambient temp.	32°C	LBP: F ₂ HBP: F ₂
	38°C	LBP: F ₂ HBP: F ₂
	43°C	LBP: F ₂
		HBP: F ₂

Design

Displacement	cm ³	2 x 15.28
Oil quantity	cm ³	1120
Maximum refrigerant charge	g	2200
Free gas vol. in compressor	cm ³	2820
Weight without electrical equipment	kg	28

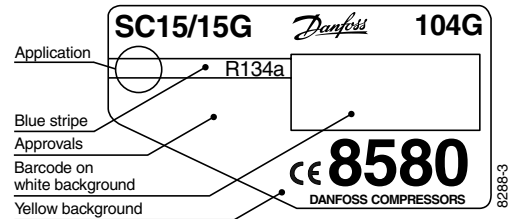
Motor

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

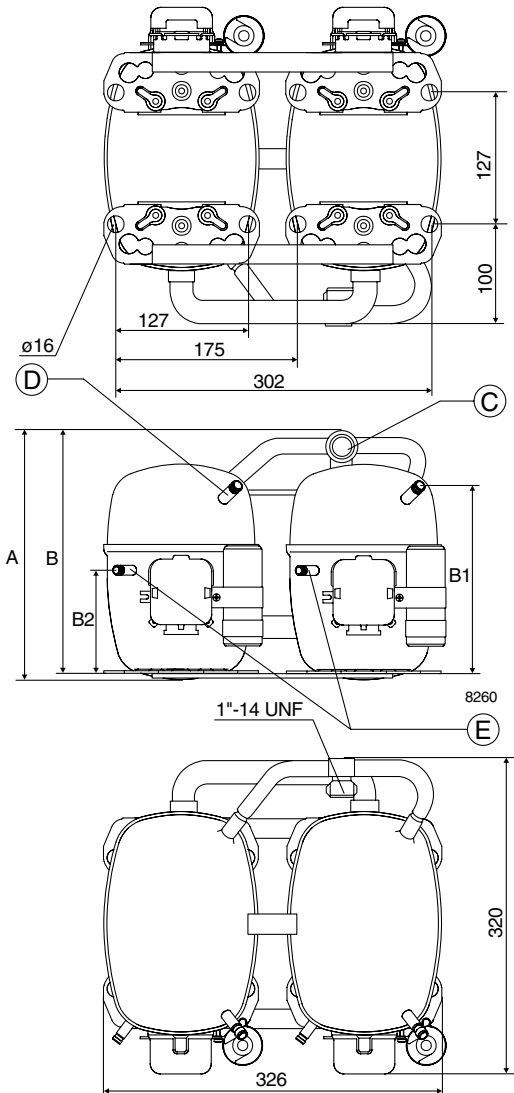
* Operational current for the second compressor time-delayed.

Dimensions

Height	mm	A	249
		B	244
		B1	183
		B2	100
Suction connector	location/I.D. mm	C	12
		D	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
- 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
SC15/15G	328	413	581	847	1137	1457	1815	2220	2415	2679	3201

Capacity (ASHRAE)

watt

Comp. °C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15/15G	405	510	717	1047	1405	1803	2249	2754	2998	3330	3986

Power consumption

watt

Comp. °C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15/15G	465	517	614	752	879	995	1099	1190	1226	1269	1335

Current consumption

A

Comp. °C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15/15G	4.43	4.55	4.79	5.17	5.57	5.98	6.40	6.84	7.03	7.29	7.75

COP (EN 12900/CECOMAF)

W/W

Comp. °C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15/15G	0.71	0.80	0.95	1.13	1.29	1.46	1.65	1.87	1.97	2.11	2.40

COP (ASHRAE)

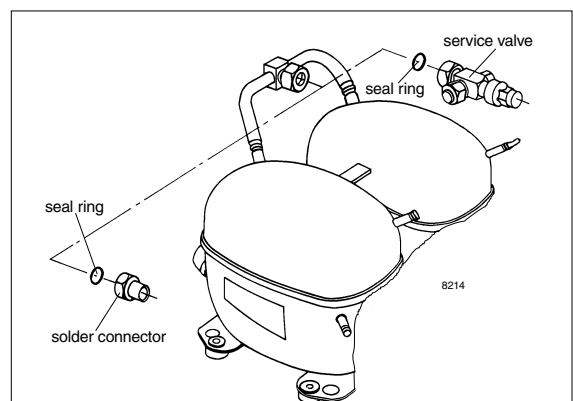
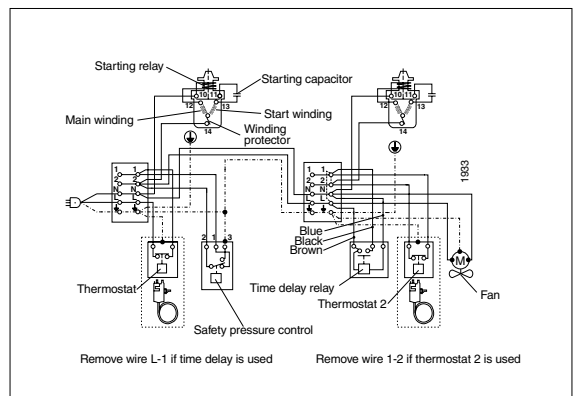
W/W

Comp. °C	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
SC15/15G	0.87	0.99	1.17	1.39	1.60	1.81	2.05	2.31	2.44	2.62	2.99

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 F ₂ , 220V 50Hz		

Accessories

Devices	pcs.	SC15/15G
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



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