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Compressors For Refrigeration
Danfoss Light Commercial Refrigeration Compressors
Light Commercial Compressors (DL, FR, GS, NL, PL, SC, TL)
R134a, 220-240V, 50Hz



104G8041
SC10GH



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**CODE NUMBER
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☰ Product specifications (89)

TYPE CODE	SC
NET WEIGHT	13.38 Kg
APPLICATION ENERGY LEVEL	Standard HBP compressor
APPLICATIONS	HBP
APPROVAL STANDARDS	CCC; CE EN 60335-2-34 with Annex AA; UL
AUXILIARY WINDING RESISTANCE (START WINDING) FOR SINGLE-PHASE COMPRESSORS [OHM]	13.5
BASE PLATE TYPE	Universal
BRAND TECHNIQUE	Reciprocating compressor
CAPACITY CONTROL	Fixed speed
CAPACITY OF CAPACITOR B	80 uF
COLOUR	Black
CONFIGURATION CODE	Single
CUT IN CURRENT HST [A]	16.2
CUT IN CURRENT LST [A]	20.1
DISCHARGE CONNECTION ANGLE [°]	37
DISCHARGE CONNECTION COMMENTS	Al-cap
DISCHARGE CONNECTION DIAMETER [MM]	8.2
DISCHARGE CONNECTION HEIGHT [MM]	100
DISCHARGE CONNECTION MATERIAL	Cu-plated steel
DRAWING NUMBER	8258
ECONOMIZER	No
FREE GAS VOLUME [CM3]	1510

FREQUENCY [HZ]	50/60
GROSS WEIGHT	13.38 Kg
HEIGHT FROM BASEPLATE [MM]	203
HIGH VALUE OF NOMINAL VOLTAGE AT 50HZ [V]	230
HIGH VALUE OF NOMINAL VOLTAGE AT 60HZ [V]	230
HIGH VALUE OF VOLTAGE RANGE AT 50HZ [V]	254
HIGH VALUE OF VOLTAGE RANGE AT 60HZ [V]	254
LRA HST [A]	16.2
LRA LST [A]	15.8
LOW VALUE OF NOMINAL VOLTAGE AT 50HZ [V]	220
LOW VALUE OF NOMINAL VOLTAGE AT 60HZ [V]	220
LOW VALUE OF VOLTAGE RANGE AT 50HZ [V]	198
LOW VALUE OF VOLTAGE RANGE AT 60HZ [V]	198
MAIN WINDING RESISTANCE FOR SINGLE-PHASE COMPRESSORS [OHM]	5.1
MODEL NUMBER	SC10GH
MOTOR TYPE	CSIR
NO. OF PHASES (COMPRESSOR)	1
NO. OF PHASES (FAN)	1
NOMINAL COOLING CAPACITY 60 KBTU/H	3.43
NOMINAL COOLING CAPACITY AT 60HZ	1
OIL CHARGE [L]	500
OIL QUANTITY [CM³]	500
OIL TYPE	POE
PACKING FORMAT	Industrial pack
PACKING QUANTITY	80
PHASE	1

PROCESS CONNECTION ANGLE [°]	37
PROCESS CONNECTION COMMENTS	Al-cap
PROCESS CONNECTION DIAMETER [MM]	6.2
PROCESS CONNECTION MATERIAL	Cu-plated steel
RLA	3.1 A
REFRIGERANT	R134a
REFRIGERANT CHARGE [KG] [MAX]	1.3
ROTATIONAL SPEED AT 50HZ [RPM]	2900
ROTATIONAL SPEED AT 60HZ [RPM]	3500
SEGMENT USAGE	Refrigeration MT
SPEED PLATFORM	Fixed-speed
START CAPACITOR CAPACITANCE	80
SUCTION CONNECTION ANGLE [°]	37
SUCTION CONNECTION COMMENTS	Al-cap
SUCTION CONNECTION DIAMETER [MM]	10.2
SUCTION CONNECTION HEIGHT [MM]	183
SUCTION CONNECTION MATERIAL	Cu-plated steel
SWEPT VOLUME [CM3]	10.29
TECHNOLOGY	Reciprocating
TOTAL HEIGHT [MM]	209
TYPE DESIGNATION	Compressor
VOLTAGE 50HZ [V]	220
VOLTAGE 50HZ [V] [MAX]	240
VOLTAGE 60HZ [V]	220
VOLTAGE 60HZ [V] [MAX]	240
WINDING TEMPERATURE SHORT TERM [°C] [MAX]	135

WINDING TEMPERATURE STAT [°C] [MAX]	125
• BOLT JOINT COMPRESSOR 16 MM	118-1917
• BOLT JOINT COMPRESSOR 16 MM DESCRIPTION	MOUNTING ACCESSORIES
• BOLT JOINT QUANTITIES 16 MM	118-1918
• BOLT JOINT QUANTITIES 16 MM DESCRIPTION	Bolt joint
• CORD RELIEF	103N1004
• CORD RELIEF DESCRIPTION	CORD RELIEF SC EU/UL
• COVER ELECTRICS	103N2008
• COVER ELECTRICS DESCRIPTION	COVER SC 115V&60HZ
• SNAP ON IN QUANTITIES 16MM	118-1919
• SNAP ON IN QUANTITIES 16MM DESCRIPTION	Snap-on
• STARTING CAPACITOR	117U5017
• STARTING CAPACITOR DESCRIPTION	START CAPACITOR 80μF, 220V - SC
• STARTING RELAY HST	117U6005
• STARTING RELAY HST DESCRIPTION	Starting Relay SC