

**SZ160-4RAI****After sale, SZ160T4RC**

Refrigerant: R134a; R404A; R407C, Segment usage: Air conditioning, Compressor
power supply [V/Ph/Hz]: 400/3/50 460/3/60

PRODUCT DETAILS

Gross weight	107.5 kg
Net weight	92.16 kg
EAN	5702428582780
Approval standard	CE UL
Brand technique	After sale
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Description	SZ160-4
Diameter [mm]	266 mm
Discharge connection height [mm]	596 mm
Discharge connection mounting torque [Nm]	110 Nm
Discharge connection pipe size [in]	7/8 in
Discharge connection rotolock size [in]	1 3/4 in
Discharge connection size [in]	1 3/4 in
Discharge connection sleeve pipe size [in]	7/8 in
Drawing number	8551120b
Economizer	No
Factory HP [bar]	33 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	C
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	34.3 bar
High Side TS Max	150 °C

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PRODUCT DETAILS

High Side TS Min	-35 °C
High Side Volume	1.7 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	440 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP54 (with cable gland)
Low side max pressure (Ps)	25 bar
Low Side TS Max	54 °C
Low Side TS Min	-35 °C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	342 V
Low value of voltage range at 60Hz [V]	414 V
LRA	150 A
Maximum Operating Current [MOC]	29 A
MMT	29 A
Model number	SZ160T4RC
Motor protection	Internal thermostat, ext. overload protector needed
Mounting torque [Nm]	21 Nm
Nominal cooling capacity at 50Hz	34.5 kW
Nominal cooling capacity at 60Hz	45.5 kW
Nominal heating capacity at 50Hz	32.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	4 L
Oil drain	1/4" flare
Oil drain torque [Nm]	35 Nm
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	48 Nm
Oil reference	160SZ
Oil type	POE
Packaging height [mm]	671 mm
Packaging length [mm]	470 mm
Packaging weight [Kg]	671 kg
Packaging width [mm]	370 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8 mm
Refrigerant	R134a R404A R407C

Product Detail | After sale, SZ160T4RC

PRODUCT DETAILS

Refrigerant charge [kg] [Max]	12.5 kg
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	180 mm
Suction connection mounting torque [Nm]	130 Nm
Suction connection pipe size [in]	1 3/8 in
Suction connection rotolock size [in]	2 1/4 in
Suction connection size [in]	2 1/4 in
Suction connection sleeve pipe size [in]	1 3/8 in
Swept volume [cm ³]	216.6 cm ³
Technology	Scroll
Test dif [bar] [Max]	24 bar
Test HP [bar] [Max]	32 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	2 Nm
Torque Ebox cover [Nm]	2.3 Nm
Torque power [Nm]	3 Nm
Total height [mm]	631 mm
Type	SZ
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.94 Ohm

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

Accessories



8153006 [🔗](#)

Adaptor

Solder sleeve, P03 (2-1/4" rotolock, 1-5/8" ODF)

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Accessories



7755008 [🔗](#)
Acoustic hood for scroll compressor S160
 Acoustic hood for scroll compressor S160



8173021 [🔗](#)
T block connector 60 x 75 mm
 T block connector 60 x 75 mm



8153013 [🔗](#)
Adaptor
 Solder sleeve, P07 (1-3/4" rotolock, 7/8" ODF)



8156132 [🔗](#)
Gasket, 1-3/4"
 Gasket, 1-3/4"



7750009 [🔗](#)
Discharge thermostat kit
 Discharge thermostat kit



8156013 [🔗](#)
Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black and white
 Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black and white



8156139 [🔗](#)
Terminal box 186 x 198 mm, including cover
 Terminal box 186 x 198 mm, including cover



8153004 [🔗](#)
Adaptor
 Solder sleeve, P02 (1-3/4" rotolock, 1-1/8" ODF)



8153005 [🔗](#)
Adaptor
 Solder sleeve, P08 (2-1/4" rotolock, 1-3/8" ODF)



8156138 [🔗](#)
Mounting kit
 Mounting kit for one-scroll compressor, including 4 grommets, 4 sleeves, 4 bolts, 4 washers

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Accessories

**8156147** [🔗](#)**Mounting kit**

Mounting kit for one-scroll compressor, including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets

**8156133** [🔗](#)**Gasket, 2-1/4"**

Gasket, 2-1/4"

Spare Parts

**7773107** [🔗](#)**Belt type crankcase heater, 65 W, 230 V, CE mark, UL**

Belt type crankcase heater, 65 W, 230 V, CE mark, UL

**8168032** [🔗](#)**Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF), Service kit**

VALVE SETS V07 1 3/4"-7/8"

**120Z0384** [🔗](#)**Surface sump heater + bottom insulation, 48 W, 230 V, CE mark, UL**

Surface sump heater + bottom insulation, 48 W, 230 V, CE mark, UL

**7705007** [🔗](#)**MCI**

Electronic soft start kit, MCI 25 C

**120Z0386** [🔗](#)**Surface sump heater + bottom insulation, 48 W, 460 V, CE mark, UL**

Surface sump heater + bottom insulation, 48 W, 460 V, CE mark, UL

**7754023** [🔗](#)**POE lubricant, 160SZ, 1-litre can**

POE lubricant, 160SZ, 1-litre can

**8168025** [🔗](#)**Rotolock valve, V08 (2-1/4" rotolock, 1-3/8" ODF), Service kit**

VALVE SETS V08 2 1/4"-1 3/8"

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Spare Parts

**7773117** [🔗](#)**Belt type crankcase heater, 65 W, 400 V, CE mark, UL**

Belt type crankcase heater, 65 W, 400 V, CE mark, UL

**120Z0385** [🔗](#)**Surface sump heater + bottom insulation, 48 W, 400 V, CE mark, UL**

Surface sump heater + bottom insulation, 48 W, 400 V, CE mark, UL

**120Z0363** [🔗](#)**Surface sump heater + bottom insulation, 48 W, 24 V, CE mark, UL**

Surface sump heater + bottom insulation, 48 W, 24 V, CE mark, UL

**120Z0039** [🔗](#)**Belt type crankcase heater, 65 W, 400 V, CE mark, UL**

Belt type crankcase heater, 65 W, 400 V, CE mark, UL

**8168028** [🔗](#)**Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF), Service kit**

VALVE SETS V02 1 3/4"-1 1/8"

**8156019** [🔗](#)**Oil sight glass with gaskets (black and white)**

Oil sight glass with gaskets (black and white)

**8168026** [🔗](#)**Rotolock valve, V03 (2-1/4" rotolock, 1-5/8" ODF), Service kit**

VALVE SETS V03 2 1/4"-1 5/8"

**120Z0466** [🔗](#)**Belt type crankcase heater, 65 W, 460 V, CE mark, UL**

Belt type crankcase heater, 65 W, 460 V, CE mark, UL

**7703010** [🔗](#)**Valve set**

Packing format: Multi pack, Packing quantity: 6

**8156129** [🔗](#)**Gasket for oil sight glass (white teflon)**

Gasket for oil sight glass (white teflon)

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