

**SZ125-4RM****After sale, SZ125S4RC**

Refrigerants: R404A; R407C; R134a, Segment usage: Air conditioning, Compressor power supply [V]: 380-415/3/50 460/3/60, Packing format: Industrial pack

**PRODUCT DETAILS**

<b>Gross weight</b>	81.2 Kilogram
<b>Net weight</b>	78 Kilogram
<b>Volume</b>	0.09 Cubic meter
<b>EAN</b>	5702428660440
<b>Type</b>	SZ125
<b>Product group</b>	Hermetic compressors
<b>Product Name Description</b>	Scroll compressor SZ
<b>Brand technique</b>	After sale
<b>Capacity control</b>	Fixed speed
<b>CE evaluated</b>	Yes
<b>China RoHS compliance</b>	Yes with exemptions
<b>Colour</b>	Blue
<b>Compressor power supply [V]</b>	380-415/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Contains batteries</b>	No
<b>Description</b>	SZ125-4
<b>Diameter [mm]</b>	253 mm
<b>Discharge connection height [mm]</b>	536 mm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Drawing number</b>	8551121b
<b>Economizer</b>	No
<b>EU RoHS compliance</b>	Yes with exemptions
<b>EU RoHS exemption clause</b>	7(c)-I 6(a) 6(a)-I 6(c) 7(a) 8(b)
<b>Factory HP [bar]</b>	33 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	SZ
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	50/60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader

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## PRODUCT DETAILS

<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 N-m
<b>GP LP torque [Nm]</b>	15 N-m
<b>High Side TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C
<b>High Side Volume</b>	2 L
<b>High value of nominal voltage at 50Hz [V]</b>	400 V
<b>High value of nominal voltage at 60Hz [V]</b>	460 V
<b>High value of voltage range at 50Hz [V]</b>	440 V
<b>High value of voltage range at 60Hz [V]</b>	506 V
<b>IDV</b>	No
<b>In scope of WEEE</b>	No
<b>IP protection class</b>	IP54 (with cable gland)
<b>Low Side TS Max</b>	54 °C
<b>Low Side TS Min</b>	-35 °C
<b>Low Side Volume</b>	14 L
<b>Low value of nominal voltage at 50Hz [V]</b>	380 V
<b>Low value of nominal voltage at 60Hz [V]</b>	460 V
<b>Low value of voltage range at 50Hz [V]</b>	342 V
<b>Low value of voltage range at 60Hz [V]</b>	414 V
<b>LRA</b>	120 A
<b>Max pressure (PS) - high side</b>	34.3 bar
<b>Max pressure (PS) - low side</b>	25 bar
<b>Maximum Operating Current [MOC]</b>	24 A
<b>MMT</b>	25 A
<b>Model number</b>	SZ125S4RC
<b>Motor protection</b>	Internal thermostat, ext. overload protector needed
<b>Mounting torque [Nm]</b>	21 N-m
<b>Network power supply [V/Ph/Hz]</b>	380-415/3/50 460/3/60
<b>Number of starts per hour [Max]</b>	12
<b>Oil charge [L]</b>	3.8 L
<b>Oil drain</b>	1/4" flare
<b>Oil drain torque [Nm]</b>	35 N-m
<b>Oil equalization</b>	3/8" flare SAE
<b>Oil equalization torque [Nm]</b>	48 N-m
<b>Oil reference</b>	160SZ
<b>Oil type</b>	POE
<b>Packaging height [mm]</b>	768 mm
<b>Packaging length [mm]</b>	1140 mm
<b>Packaging weight [Kg]</b>	510 kg
<b>Packaging width [mm]</b>	950 mm
<b>Packing format</b>	Industrial pack
<b>Packing quantity</b>	6

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## Product Detail | After sale, SZ125S4RC

## PRODUCT DETAILS

Phase	3
Power connections	Screw 4.8 mm
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	11 kg
Refrigerants	R134a R404A R407C
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	58968d52- aa4c-4c0c-9aee-1ce6a31dfbd1
SCIP dossier product name	SM115/SM125/SM160/SM175/SM185/ SZ115/SZ125/SZ160/SZ175/SZ185/ SY185
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 material	-
Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm <sup>3</sup> ]	166.6 cm <sup>3</sup>
Technology	Scroll
Test dif [bar] [Max]	24 bar
Test HP [bar] [Max]	32 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	2 N-m
Torque Ebox cover [Nm]	2 N-m
Torque power [Nm]	3 N-m
Total height [mm]	579 mm
UL evaluated	Yes
Viscosity [cP]	32 cP
Winding resistance for three- phase compressors with identical windings [Ohm]	1.16 Ohm

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

## Accessories



**8156013** [🔗](#)

**Connector, Gasket**

Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black and white

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Accessories



**8173021** [🔗](#)  
**Electrical component, T block**  
 T block connector 60 x 75 mm



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



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



**7750009** [🔗](#)  
**Electrical component, Discharge thermostat kit**  
 Discharge thermostat kit



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



**8153008** [🔗](#)  
**Connector, Solder sleeve**  
 Solder sleeve, P04 (1-1/4" rotolock, 3/4" ODF)



**8153003** [🔗](#)  
**Connector, Solder sleeve**  
 Solder sleeve, P10 (1-3/4" rotolock, 1-3/8" ODF)



**8156131** [🔗](#)  
**Connector, Gasket**  
 Gasket, 1-1/4"



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



**7755009** [🔗](#)  
**Acoustic hood, Scroll**  
 Acoustic hood for scroll compressor S115-S125

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## Spare Parts

**120Z0386** [🔗](#)**Crankcase heater, Surface sump heater**

Surface sump heater + bottom insulation, 48 W, 460 V

**8156129** [🔗](#)**Connector, Gasket**

Gasket for oil sight glass (white teflon)

**8168022** [🔗](#)**Connector, Valve**

Rotolock valve, V10 (1-3/4" rotolock, 1-3/8" ODF)

**7703009** [🔗](#)**Connector, Valve set**

Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")

**120Z0384** [🔗](#)**Crankcase heater, Surface sump heater**

Surface sump heater + bottom insulation, 48 W, 230 V

**8168030** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V05 (1-1/4" rotolock, 7/8" ODF)

**120Z0385** [🔗](#)**Crankcase heater, Surface sump heater**

Surface sump heater + bottom insulation, 48 W, 400 V

**8156019** [🔗](#)**Connector, Sight glass**

Oil sight glass with gaskets (black and white)

**7773117** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 400 V

**120Z0466** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 460 V

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Spare Parts

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**120Z0039** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 400 V

**7773107** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 230 V

**120Z0363** [🔗](#)**Crankcase heater, Surface sump heater**

Surface sump heater + bottom insulation, 48 W, 24 V

**8168029** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)

**8168028** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF)

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

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