

**120H2150****Scroll compressor, SZ300A9PBF**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	158.75 Kilogram
<b>Net weight</b>	157 Kilogram
<b>EAN</b>	5715162854068
<b>Type</b>	SZ300
<b>Product group</b>	Hermetic compressors
<b>Product Name Description</b>	Scroll compressor SZ
<b>Brand technique</b>	Scroll compressor
<b>Capacity control</b>	Fixed speed
<b>CE evaluated</b>	Yes
<b>Compressor power supply [V]</b>	380/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Contain batteries</b>	No
<b>Description</b>	SZ300-9
<b>Diameter [mm]</b>	344 mm
<b>Discharge connection height [mm]</b>	665 mm
<b>Discharge connection pipe size [in]</b>	1 1/8 in
<b>Discharge connection size [in]</b>	1 3/4 in
<b>Drawing number</b>	8556099b
<b>Economizer</b>	No
<b>Family</b>	SZ
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<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>	5 L
<b>High value of nominal voltage at 60Hz [V]</b>	380 V
<b>High value of voltage range at 60Hz [V]</b>	418 V
<b>IDV</b>	No
<b>In scope of WEEE</b>	No

## Product Detail | Scroll compressor, SZ300A9PBF

## PRODUCT DETAILS

<b>IP protection class</b>	IP54 (with cable gland)
<b>Low Side TS Max</b>	52 °C
<b>Low Side TS Min</b>	-35 °C
<b>Low Side Volume</b>	34.1 L
<b>Low value of nominal voltage at 60Hz [V]</b>	380 V
<b>Low value of voltage range at 60Hz [V]</b>	342 V
<b>LRA</b>	305 A
<b>Max pressure (PS) - high side</b>	31.8 bar
<b>Max pressure (PS) - low side</b>	20 bar
<b>Maximum Operating Current [MOC]</b>	74 A
<b>Model number</b>	SZ300A9PBF
<b>Motor protection</b>	Electronic protection module, 110/240 V
<b>Mounting torque [Nm]</b>	40 N-m
<b>Network power supply [V/Ph/Hz]</b>	380-400/3/60
<b>Number of starts per hour [Max]</b>	12
<b>Oil charge [L]</b>	8 L
<b>Oil drain</b>	1/4" flare
<b>Oil drain torque [Nm]</b>	35 N-m
<b>Oil equalization</b>	1/2" flare
<b>Oil equalization torque [Nm]</b>	66 N-m
<b>Oil reference</b>	160SZ
<b>Packing format</b>	Industrial pack
<b>Packing quantity</b>	4
<b>Phase</b>	3
<b>Power connections</b>	Stud M5
<b>Refrigerant charge [kg] [Max]</b>	20 kg
<b>Refrigerants</b>	R134a R407C
<b>RLA</b>	52.9 A
<b>Rotational speed at 60Hz [rpm]</b>	3500 rpm
<b>Segment usage</b>	Air conditioning Heating
<b>Suction connection height [mm]</b>	196 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	1 5/8 in
<b>Suction connection size [in]</b>	2 1/4 in
<b>Swept volume [cm<sup>3</sup>]</b>	437.5 cm <sup>3</sup>
<b>Technology</b>	Scroll
<b>Torque earth [Nm]</b>	4 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	738 mm
<b>UL evaluated</b>	Yes
<b>Viscosity [cP]</b>	32 cP
<b>Winding resistance for three-phase compressors with identical windings [Ohm]</b>	0.355 Ohm

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

Accessories



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



**7755016** [↗](#)  
**Acoustic hood, Scroll**  
 Acoustic hood for scroll compressor S240-S300



**8156144** [↗](#)  
**Mounting, Compressor kit**  
 Mounting kit for one-scroll compressor, including 4 grommets, 4 sleeves



**120Z0458** [↗](#)  
**Electrical component, Terminal box**  
 Terminal box 210 x 190, including cover



**120Z0774** [↗](#)  
**Electrical component, T block**  
 T block connector 80 x 80 mm (Studs)



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



**8153006** [↗](#)  
**Connector, Solder sleeve**  
 Solder sleeve, P03 (2-1/4" rotolock, 1-5/8" ODF)



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



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

For more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

---

Accessories

---



**8156133** [🔗](#)

**Connector, Gasket**

Gasket, 2-1/4"

---

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.