

**120H0239****Scroll compressor, SH300B4ABF**

Refrigerants: R410A, Segment usage: Air conditioning, Compressor power supply [V]: 380-415/3/50 460/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	163.08 Kg
Net weight	153 Kg
Volume	0.23 Cubic.mtr
EAN	5702428585330
Approval	CE UL UKCA
Brand technique	Scroll compressor
Capacity control	Fixed speed
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	380-415/3/50 460/3/60
Configuration code	Single
Connection type	Brazed
Description	SH300-4
Diameter [mm]	333 mm
Discharge connection height [mm]	664 mm
Discharge connection pipe size [in]	1 1/8 in
Discharge connection size [in]	1 1/8 in
Drawing number	8556090c
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
Factory HP [bar]	0 bar
Factory LP [bar]	0 bar
Family	SH
Fitting standard	ODF
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
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

PRODUCT DETAILS

High value of voltage range at 60Hz [V]	506 V
In scope of WEEE and contain batteries	No
IP protection class	IP54 (with cable gland)
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	260 A
Max pressure (PS) - high side	45 bar
Max pressure (PS) - low side	30.2 bar
MCC	65 A
Model number	SH300B4ABF
Motor protection	Electronic protection module, 110/240 V
Mounting torque [Nm]	21 N-m
Network power supply [V/Ph/Hz]	380-415/3/50 460/3/60
Number of starts per hour [Max]	12
Oil charge [L]	6.7 L
Oil drain	1/4" flare
Oil equalization	2-1/4" Rotolock
Oil reference	160SZ
Packaging height [mm]	736 mm
Packaging length [mm]	570 mm
Packaging weight [Kg]	161 kg
Packaging width [mm]	475 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Stud M5
Product group	Hermetic compressors
Product Name Description	Scroll compressor SH
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	13.5 kg
Refrigerants	R410A
Reverse rotation protection	Electronic module
RLA	46.4 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	eeb683f7-470d-4d35-aa2c-d86e918b529b
Segment usage	Air conditioning
Shipped instructions	Installation instructions
Shipped module	Electronic protection module mounted in terminal box
Shipped mounting	Mounting kit with rigid grommets, bolts, nuts, sleeves and washers

Product Detail | Scroll compressor, SH300B4ABF

PRODUCT DETAILS

Shipped oil	Initial oil charge
Suction connection height [mm]	331 mm
Suction connection material	-
Suction connection pipe size [in]	1 5/8 in
Suction connection size [in]	1 5/8 in
Swept volume [cm ³]	285.5 cm ³
Technology	Scroll
Test dif [bar] [Max]	37 bar
Test HP [bar] [Max]	45 bar
Test LP [bar] [Max]	30 bar
Torque earth [Nm]	4 N-m
Torque power [Nm]	3 N-m
Total height [mm]	723 mm
Type	SH300
UK RoHS compliance	Out of scope
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.48 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



7750009 [🔗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



8156132 [🔗](#)

Connector, Gasket

Gasket, 1-3/4"



7765028 [🔗](#)

Connector, Solder sleeve adapter set

Solder sleeve adaptor set, (2-1/4" rotolock, 1-5/8" ODF), (1-3/4" rotolock, 1-1/8" ODF)



120Z0353 [🔗](#)

Acoustic hood, Scroll

Acoustic bottom insulation for scroll compressor

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Accessories

**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)

**120Z0495** [🔗](#)**Mounting, Compressor kit**

Mounting for one-scroll compressor including four-triangle rigid spacer, 4 sleeves, 4 bolts, 4 washers

**8153006** [🔗](#)**Connector, Solder sleeve**

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

**120Z0022** [🔗](#)**Acoustic hood, Scroll**

Acoustic hood for scroll compressor

**8156133** [🔗](#)**Connector, Gasket**

Gasket, 2-1/4"

Spare Parts

**120Z0364** [🔗](#)**Connector, Rotolock adapter**

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

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

Oil sight glass with gaskets (black and white)

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Spare Parts

**8156138** **Mounting, Compressor kit**

Mounting kit for one-scroll compressor, including 4 grommets, 4 sleeves, 4 bolts, 4 washers

**120Z0432** **Connector, Rotolock adapter**

Rotolock adaptor (2-1/4" rotolock, 1-5/8" ODF)

**8168028** **Connector, Rotolock service valve**

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

**7773118** **Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 400 V

**8168026** **Connector, Rotolock service valve**

Rotolock valve, V03 (2-1/4" rotolock, 1-5/8" ODF)

**120Z0585** **Electrical component, Motor protection module**

Electronic motor protection module, 110 - 240 V

**8156129** **Connector, Gasket**

Gasket for oil sight glass (white teflon)

**120Z0464** **Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 460 V

**7703383** **Connector, Valve set**

Valve set, V03 (2-1/4"~1-5/8"), V02 (1-3/4"~1-1/8")

**7773108** **Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 230 V

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Spare Parts

**7754023** **Lubricant, 160SZ**POE lubricant, 160SZ, 1-litre can

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