

**120H0300****Scroll compressor, SH240A4ABF**

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

PRODUCT DETAILS

Gross weight	112.35 Kilogram
Net weight	107 Kilogram
Volume	0.16 Cubic meter
EAN	5702428664769
Type	SH240
Product group	Hermetic compressors
Product Name Description	Scroll compressor SH
Brand technique	Scroll compressor
Capacity control	Fixed speed
CE evaluated	Yes
China RoHS compliance	Yes with exemptions
Colour	Blue
Compressor power supply [V]	380-415/3/50 460/3/60
Configuration code	Single
Connection type	Brazed
Contain batteries	No
Description	SH240-4
Diameter [mm]	318 mm
Discharge connection height [mm]	618 mm
Discharge connection pipe size [in]	1 1/8 in
Discharge connection size [in]	1 1/8 in
Drawing number	8556208
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	7(c)-I 6(a) 6(a)-I 6(c) 7(a) 8(b)
Factory HP [bar]	0 bar
Factory LP [bar]	0 bar
Family	SH
Fitting sleeve	ODF
Fitting standard	ODF
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Glass mounting	Threaded

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Product Detail | Scroll compressor, SH240A4ABF

PRODUCT DETAILS

Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	2.5 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
IDV	No
In scope of WEEE	No
IP protection class	IP54 (with cable gland)
Low Side TS Max	52 °C
Low Side TS Min	-35 °C
Low Side Volume	28.5 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	215 A
Max pressure (PS) - high side	48.7 bar
Max pressure (PS) - low side	31.1 bar
MCC	51 A
Model number	SH240A4ABF
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]	6.1 L
Oil drain	1/4" flare
Oil drain torque [Nm]	35 N-m
Oil equalization	2-1/4" Rotolock
Oil reference	160SZ
Packaging height [mm]	768 mm
Packaging length [mm]	1150 mm
Packaging weight [Kg]	683 kg
Packaging width [mm]	965 mm
Packing format	Industrial pack
Packing quantity	6
Phase	3
Power connections	Stud M5
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	13.5 kg

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Product Detail | Scroll compressor, SH240A4ABF

PRODUCT DETAILS

Refrigerants	R410A
Reverse rotation protection	Electronic module
RLA	36.4 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
Shipped oil	Initial oil charge
Suction connection height [mm]	302 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]	227.6 cm ³
Technology	Scroll
Test dif [bar] [Max]	37 bar
Test HP [bar] [Max]	48.7 bar
Test LP [bar] [Max]	34.3 bar
Torque earth [Nm]	4 N-m
Torque power [Nm]	3 N-m
Total height [mm]	653 mm
UL evaluated	Yes
Viscosity [cP]	32 cP
Winding resistance for three- phase compressors with identical windings [Ohm]	0.7 Ohm

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

Accessories



8153006 [🔗](#)

Connector, Solder sleeve

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



8156132 [🔗](#)

Connector, Gasket

Gasket, 1-3/4"

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

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Accessories



8156133 [🔗](#)

Connector, Gasket

Gasket, 2-1/4"



120Z0022 [🔗](#)

Acoustic hood, Scroll

Acoustic hood for scroll compressor



120Z0774 [🔗](#)

Electrical component, T block

T block connector 80 x 80 mm (Studs)



120Z0353 [🔗](#)

Acoustic hood, Scroll

Acoustic bottom insulation for scroll compressor



7750009 [🔗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



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)



120Z0458 [🔗](#)

Electrical component, Terminal box

Terminal box 210 x 190, including cover



8153004 [🔗](#)

Connector, Solder sleeve

Solder sleeve, P02 (1-3/4" rotolock, 1-1/8" ODF)

Spare Parts



8156129 [🔗](#)

Connector, Gasket

Gasket for oil sight glass (white teflon)

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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

**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)

**120Z0432** [🔗](#)**Connector, Rotolock adapter**Rotolock adaptor (2-1/4" rotolock, 1-5/8" ODF)

**120Z0585** [🔗](#)**Electrical component, Motor protection module**Electronic motor protection module, 110 - 240 V

**7773108** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 75 W, 230 V

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

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