

**120H0959** **Scroll compressor, PSH034A4ALC**

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

PRODUCT DETAILS

Gross weight	73.5 Kilogram
Net weight	69.5 Kilogram
Volume	100.357 Liter
EAN	5702424540029
Type	PSH034
Product group	Hermetic compressors
Product Name Description	Scroll compressor PSH
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	PSH034-4
Diameter [mm]	243 mm
Discharge connection height [mm]	509 mm
Discharge connection pipe size [in]	7/8 in
Discharge connection size [in]	7/8 in
Drawing number	8560142a
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	PSH
Fitting sleeve	ODF
Fitting standard	ODF
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	None
High Side TS Max	150 °C

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.

PRODUCT DETAILS

High Side TS Min	-35 °C
High Side Volume	0.7 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
IDV	No
In scope of WEEE	No
IP protection class	IP54 (with cable gland)
Low Side TS Max	55 °C
Low Side TS Min	-35 °C
Low Side Volume	13.6 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]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	158 A
Max pressure (PS) - high side	48.7 bar
Max pressure (PS) - low side	33.3 bar
Maximum Operating Current [MOC]	31 A
MCC	33 A
Model number	PSH034A4ALC
Motor protection	Internal overload protector
Mounting torque [Nm]	0 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]	3.3 L
Oil reference	160SZ
Oil type	POE
Packaging height [mm]	596 mm
Packaging length [mm]	470 mm
Packaging weight [Kg]	70 kg
Packaging width [mm]	370 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8 mm
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	7.9 kg
Refrigerants	R410A
RLA	23.6 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	d34ab22c-47b3-49c1-9951-6c68f577996f

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.

PRODUCT DETAILS

SCIP dossier product name	PSH019-039
Segment usage	Heating
Shipped instructions	Installation instructions
Shipped module	discharge temperature sensor liquid injection valve Operating control system (OCS) mounted in terminal box surface sump heater
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	278 mm
Suction connection material	-
Suction connection pipe size [in]	1 3/8 in
Suction connection size [in]	1 3/8 in
Swept volume [cm ³]	151.2 cm ³
Technology	Scroll
Test dif [bar] [Max]	37 bar
Test HP [bar] [Max]	48.7 bar
Test LP [bar] [Max]	33.3 bar
Torque earth [Nm]	2 N-m
Torque power [Nm]	3 N-m
Total height [mm]	540 mm
UL evaluated	Yes
Viscosity [cP]	32 cP
Winding resistance for three- phase compressors with identical windings [Ohm]	0.83 Ohm

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

Accessories



8156135 [🔗](#)

Electrical component, Terminal box

Service kit for terminal box 96 x 115 mm, including 1 cover, 1 clamp



120Z0066 [🔗](#)

Mounting, Compressor kit

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



8173230 [🔗](#)

Electrical component, T block

T block connector 52 x 57 mm

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.

Product Detail | Scroll compressor, PSH034A4ALC

Accessories

**8156132** **Connector, Gasket**

Gasket, 1-3/4"

**120Z0405** **Connector, Solder sleeve adapter set**

Solder sleeve adaptor set (1-3/4" rotolock, 1-3/8" ODF), (1-1/4" rotolock, 7/8" ODF)

**120Z0534** **Electrical component, Temperature sensor**

Discharge temperature sensor PT1000

Spare Parts

**7703392** **Connector, Valve set**

Valve set, V10 (1-3/4"~1-3/8"), V05 (1-1/4"~7/8")

**120Z0389** **Crankcase heater, Surface sump heater**

Surface sump heater, 80 W, 230 V

**7754023** **Lubricant, 160SZ**

POE lubricant, 160SZ, 1-litre can

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.