

**120H1551****Scroll compressor, DSH161A4ALD**

Refrigerants: R452B; R410A; R454B, Segment usage: Air conditioning, Compressor power supply [V]: 380-415/3/50 460/3/60, Packing format: Single pack

**PRODUCT DETAILS**

<b>Gross weight</b>	103.3 Kilogram
<b>Net weight</b>	83.3 Kilogram
<b>Volume</b>	190.665 Cubic decimeter
<b>EAN</b>	5702424067595
<b>Type</b>	DSH161
<b>Product group</b>	Hermetic compressors
<b>Product Name Description</b>	Scroll compressor DSH
<b>Approval</b>	CE UL UKCA
<b>Brand technique</b>	Scroll compressor
<b>Capacity control</b>	Fixed speed
<b>CE evaluated</b>	Yes
<b>China RoHS compliance</b>	Yes with exemptions
<b>China RoHS exemption clause</b>	7.1 7.3 8.1 8.3.1
<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>	Brazed
<b>Contains batteries</b>	No
<b>Description</b>	DSH161-4
<b>Diameter [mm]</b>	243 mm
<b>Discharge connection height [mm]</b>	509 mm
<b>Discharge connection pipe size [in]</b>	7/8 in
<b>Discharge connection size [in]</b>	7/8 in
<b>Drawing number</b>	8560177
<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)
<b>Family</b>	DSH
<b>Fitting standard</b>	ODF
<b>Frequency [Hz]</b>	50/60

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## Product Detail | Scroll compressor, DSH161A4ALD

## PRODUCT DETAILS

Gauge port HP	None
Gauge port LP	Schrader
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
Height from baseplate [mm]	527 mm
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.7 L
High value of nominal voltage at 50Hz [V]	415 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	457 V
High value of voltage range at 60Hz [V]	506 V
IDV	Yes
In scope of WEEE	No
IP protection class	IP54 (with cable gland)
Length [mm]	230 mm
Liquid injection	No
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]	342 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	35 A
Model number	DSH161A4ALD
Motor protection	Internal overload protector
Mounting torque [Nm]	15 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 equalization	1-3/4" Rotolock
Oil reference	160SZ
Oil type	POE
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]	10 kg

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## PRODUCT DETAILS

Refrigerants	R410A
	R452B
	R454B
RLA	25 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	bff3e2c3-5aad-40f0- b874-7eee67aaf788
SCIP dossier product name	CSHD092-183/DSF090-200/ DSH090-184/SH090-184/SJ161/ WSH090-184
Segment usage	Air conditioning
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 <sup>3</sup> ]	151.7 cm <sup>3</sup>
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]	542 mm
UL evaluated	Yes
Viscosity [cP]	32 cP
Width [mm]	230 mm
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 [🔗](#)