



Scroll compressor, SH184A4ALC

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Product specifications

Characteristic	Value
Approval	CE, UL, UKCA
Brand technique	Scroll compressor
CE evaluated	Yes
Capacity control	Fixed speed
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
Contains batteries	No
CoolselectorFilter	Active models
DG Indicator Profile	Not relevant for dangerous goods
Description	SH184-4
Diameter [mm]	243 mm
Discharge connection height [mm]	525 mm
Discharge connection pipe size [in]	7/8 in
Discharge connection size [in]	7/8 in
Drawing number	8560023e
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	7(c)-I, 6(a), 6(a)-I, 6(c), 7(a), 8(b)
Economizer	No

Characteristic	Value
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 Side TS Max	150.0 °C
High Side TS Min	-35.0 °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
IP protection class	IP54 (with cable gland)
In scope of WEEE	No
LRA	197 A
Low Side TS Max	55.0 °C
Low Side TS Min	-35.0 °C
Low Side Volume	13.9 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
MCC	38.6 A
Material Description	SH184-4AL-SINGLE

Characteristic	Value
Max pressure (PS) - high side	48.70 bar
Max pressure (PS) - low side	33.30 bar
Maximum Operating Current [MOC]	36 A
Model number	SH184A4ALC
Motor protection	Internal overload protector
Mounting torque [Nm]	15.00 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]	3.60 L
Oil equalization	1-3/4" Rotolock
Oil reference	160SZ
Oil type	POE
Packaging height [mm]	596 mm
Packaging length [mm]	470 mm
Packaging weight [Kg]	73 kg
Packaging width [mm]	370 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8 mm
Product Type	SH184
Product group	Hermetic compressors
Product line	Commercial Compressors
Product name	Scroll compressor SH
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
RLA	27.6 A
Refrigerant charge [kg] [Max]	7.90 kg
Refrigerants	R410A
Rotational speed at 50Hz [rpm]	2900 rpm

Characteristic	Value
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/WS H090-184
Segment usage	Air conditioning
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	300 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]	170.30 cm ³
Technology	Scroll
Test HP [bar] [Max]	48.7 bar
Test LP [bar] [Max]	33.3 bar
Test dif [bar] [Max]	37 bar
Torque earth [Nm]	2.00 N-m
Torque power [Nm]	3.00 N-m
Total height [mm]	555.0 mm
U.S. EPA label	For installations using U.S. EPA restricted refrigerants, this product may be used for servicing existing equipment only.
UL evaluated	Yes
Viscosity [cP]	32.0 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.83 Ohm

General specifications

Characteristic	Value
Gross weight	104 Kilogram
Net weight	84 Kilogram
Volume	0.23 Cubic meter
EAN/UPC	5702428980791
Proposition 65	Cancer and Reproductive Harm

