



Scroll compressor, SY240A4CBE

## SY240A4CBI

Refrigerants: R407C; R134a; R513A; R22, Segment usage: Air conditioning, Compressor power supply [V]: 380-415/3/50 460/3/60, Packing format: Single pack

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### Product specifications

Characteristic	Value
Approval	CE, UL, UKCA
Brand technique	Scroll compressor
Capacity control	Fixed speed
CE mark	Yes
China RoHS compliance	Yes with exemptions
China RoHS exemption clause	7.1, 7.3, 8.1, 8.3.1
Colour	Blue
Compressor power supply [V]	380-415/3/50 460/3/60
Configuration code	Single
Connection type	Brazed
Contains batteries	No
CoolselectorFilter	Not available in Coolselector
Description	SY240-4
DG Indicator Profile	Not relevant for dangerous goods
Diameter [mm]	344 mm
Discharge connection height [mm]	654 mm
Discharge connection pipe size [in]	1-1/8 in
Discharge connection size [in]	1-1/8 in
Drawing number	8556092b
Economizer	No

Characteristic	Value
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I
Factory HP [bar]	33 bar
Factory LP [bar]	25 bar
Family	SY
Fitting standard	ODF
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High Side TS Max	150.0 °C
High Side TS Min	-35.0 °C
High Side Volume	5.0 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	52.0 °C
Low Side TS Min	-35.0 °C
Low Side Volume	34.1 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

Characteristic	Value
LRA	215 A
Material Description	SY240-4CB-SINGLE
Max pressure (PS) - high side	31.80 bar
Max pressure (PS) - low side	20.00 bar
MCC	50 A
Model number	SY240A4CBE
Motor protection	Electronic protection module, 110/240 V
Mounting torque [Nm]	40.00 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]	8.00 L
Oil drain	1/4" flare
Oil drain torque [Nm]	35 N-m
Oil equalization	1/2" flare
Oil equalization torque [Nm]	66 N-m
Oil reference	320SZ
Packaging height [mm]	780 mm
Packaging length [mm]	510 mm
Packaging weight [Kg]	156 kg
Packaging width [mm]	465 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Stud M5
Product group	Hermetic compressors
Product line	Commercial Compressors
Product name	Scroll compressor SY
Product Type	SY240
REACH Candidate List substances	Lead (CAS no. 7439-92-1)

Characteristic	Value
Refrigerant charge [kg] [Max]	16.00 kg
Refrigerants	R134a, R22, R407C, R513A
Reverse rotation protection	Electronic module
RLA	35.7 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	51393c5f-fa09-4984-947c-f686d7aaef0f
SCIP dossier product name	SVA-S top complete cap
Segment usage	Air conditioning
Shipped instructions	Installation instructions
Shipped module	Electronic protection module mounted in terminal box
Shipped mounting	Mounting kit with grommets and sleeves
Shipped oil	Initial oil charge
Suction connection height [mm]	196 mm
Suction connection material	-
Suction connection pipe size [in]	1-5/8 in
Suction connection size [in]	1-5/8 in
Swept volume [cm <sup>3</sup> ]	347.80 cm <sup>3</sup>
Technology	Scroll
Test dif [bar] [Max]	24 bar
Test HP [bar] [Max]	32.0 bar
Test LP [bar] [Max]	20.0 bar
Torque earth [Nm]	4.00 N-m
Torque power [Nm]	3.00 N-m
Total height [mm]	727.0 mm
U.S. EPA label	For installations using U.S. EPA restricted refrigerants, this product may be used for servicing existing equipment only.
UL mark	Yes
Viscosity [cP]	68.0 cP
Winding resistance for three-phase compressors with	0.616 Ohm



Characteristic	Value
identical windings [Ohm]	

## General specifications

Characteristic	Value
Gross weight	168 Kilogram
Net weight	151 Kilogram
Volume	511.875 Liter
EAN/UPC	5702428660747
Proposition 65	Cancer and Reproductive Harm

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