

**SY240A4CBM****Scroll compressor, SY240A4CBE**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	155 Kilogram
<b>Net weight</b>	152 Kilogram
<b>Volume</b>	0.244 Cubic meter
<b>EAN</b>	5702428660730
<b>Type</b>	SY240
<b>Product group</b>	Hermetic compressors
<b>Product Name Description</b>	Scroll compressor SY
<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>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>	SY240-4
<b>Diameter [mm]</b>	344 mm
<b>Discharge connection height [mm]</b>	654 mm
<b>Discharge connection pipe size [in]</b>	1 1/8 in
<b>Discharge connection size [in]</b>	1 1/8 in
<b>Drawing number</b>	8556092b
<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) 8(b)
<b>Factory HP [bar]</b>	33 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	SY
<b>Fitting standard</b>	ODF
<b>Frequency [Hz]</b>	50/60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 N-m

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## Product Detail | Scroll compressor, SY240A4CBE

## PRODUCT DETAILS

GP LP torque [Nm]	15 N-m
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	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	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
LRA	215 A
Max pressure (PS) - high side	31.8 bar
Max pressure (PS) - low side	20 bar
MCC	50 A
Model number	SY240A4CBE
Motor protection	Electronic protection module, 110/240 V
Mounting torque [Nm]	40 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 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]	904 mm
Packaging length [mm]	1140 mm
Packaging weight [Kg]	635 kg
Packaging width [mm]	950 mm
Packing format	Industrial pack
Packing quantity	4
Phase	3
Power connections	Stud M5
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	16 kg

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**PRODUCT DETAILS**

<b>Refrigerants</b>	R134a R22 R407C R513A
<b>Reverse rotation protection</b>	Electronic module
<b>RLA</b>	35.7 A
<b>Rotational speed at 50Hz [rpm]</b>	2900 rpm
<b>Rotational speed at 60Hz [rpm]</b>	3500 rpm
<b>SCIP dossier no.</b>	51393c5f-fa09-4984-947c-f686d7aaef0f
<b>SCIP dossier product name</b>	SVA-S top complete cap
<b>Segment usage</b>	Air conditioning
<b>Shipped instructions</b>	Installation instructions
<b>Shipped module</b>	Electronic protection module mounted in terminal box
<b>Shipped mounting</b>	Mounting kit with grommets and sleeves
<b>Shipped oil</b>	Initial oil charge
<b>Suction connection height [mm]</b>	196 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	1 5/8 in
<b>Suction connection size [in]</b>	1 5/8 in
<b>Swept volume [cm<sup>3</sup>]</b>	347.8 cm <sup>3</sup>
<b>Technology</b>	Scroll
<b>Test dif [bar] [Max]</b>	24 bar
<b>Test HP [bar] [Max]</b>	32 bar
<b>Test LP [bar] [Max]</b>	20 bar
<b>Torque earth [Nm]</b>	4 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	727 mm
<b>UL evaluated</b>	Yes
<b>Viscosity [cP]</b>	68 cP
<b>Winding resistance for three-phase compressors with identical windings [Ohm]</b>	0.616 Ohm

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**Accessories**

**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)

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Accessories



**8156013** [🔗](#)

**Connector, Gasket**

Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black and white



**8153006** [🔗](#)

**Connector, Solder sleeve**

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



**8153004** [🔗](#)

**Connector, Solder sleeve**

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



**8156132** [🔗](#)

**Connector, Gasket**

Gasket, 1-3/4"



**7750009** [🔗](#)

**Electrical component, Discharge thermostat kit**

Discharge thermostat kit



**8156133** [🔗](#)

**Connector, Gasket**

Gasket, 2-1/4"



**8156144** [🔗](#)

**Mounting, Compressor kit**

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



**120Z0458** [🔗](#)

**Electrical component, Terminal box**

Terminal box 210 x 190, including cover



**7755016** [🔗](#)

**Acoustic hood, Scroll**

Acoustic hood for scroll compressor S240-S300



**120Z0774** [🔗](#)

**Electrical component, T block**

T block connector 80 x 80 mm (Studs)

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Spare Parts



**7773122** [🔗](#)  
**Crankcase heater, Belt heater**  
 Belt type crankcase heater, 130 W, 230 V



**120Z0373** [🔗](#)  
**Crankcase heater, Surface sump heater**  
 Surface sump heater + bottom insulation, 80 W, 400 V



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



**8168028** [🔗](#)  
**Connector, Rotolock service valve**  
 Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF)



**120Z0372** [🔗](#)  
**Crankcase heater, Surface sump heater**  
 Surface sump heater + bottom insulation, 80 W, 230 V



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



**7773123** [🔗](#)  
**Crankcase heater, Belt heater**  
 Belt type crankcase heater, 130 W, 400 V



**7703383** [🔗](#)  
**Connector, Valve set**  
 Valve set, V03 (2-1/4"~1-5/8"), V02 (1-3/4"~1-1/8")



**8156019** [🔗](#)  
**Connector, Sight glass**  
 Oil sight glass with gaskets (black and white)



**120Z0364** [🔗](#)  
**Connector, Rotolock adapter**  
 Rotolock adaptor (1-3/4" rotolock, 1-1/8" ODF)

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Spare Parts



**8168026** [🔗](#)

**Connector, Rotolock service valve**

Rotolock valve, V03 (2-1/4" rotolock, 1-5/8" ODF)



**8156129** [🔗](#)

**Connector, Gasket**

Gasket for oil sight glass (white teflon)



**7754121** [🔗](#)

**Lubricant, 320SZ**

POE lubricant, 320SZ, 1-litre can

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