

**120B0003** **Reciprocating compressor, VTZ086AGNR1B**

Refrigerants: R404A; R407C; R134a, Segment usage: Refrigeration MT, Compressor
power supply [V]: 380-480/3/50-60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	42.5 Kilogram
Net weight	39 Kilogram
Volume	64.007 Liter
EAN	5702428666152
Type	VTZ086
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor VTZ
Approval	CE UL
Brand technique	Reciprocating compressor
Capacity control	Inverter
China RoHS compliance	Yes with exemptions
China RoHS exemption clause	7.1 7.3
Colour	Blue
Compressor power supply [V]	380-480/3/50-60
Configuration code	Single
Connection type	Rotolock
Contains batteries	No
Cylinder	2
Description	VTZ086-G
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection pipe size [in]	3/4 in
Discharge connection size [in]	1 1/4 in
Drawing number	8502016a
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a) 6(c)
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Family	VTZ
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	30 - 90
Gauge port HP	None
Gauge port LP	Schrader

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 | Reciprocating compressor, VTZ086AGNR1B

PRODUCT DETAILS

Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	480 V
High value of nominal voltage at 60Hz [V]	480 V
High value of voltage range at 50Hz [V]	480 V
High value of voltage range at 60Hz [V]	480 V
In scope of WEEE	No
IP protection class	IP54 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	380 V
Low value of voltage range at 50Hz [V]	380 V
Low value of voltage range at 60Hz [V]	380 V
LRA	74 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MMT	20 A
Model number	VTZ086AGNR1B
Motor protection	Motor protection by frequency converter
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]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160PZ
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging width [mm]	365 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]	5 kg
Refrigerants	R134a R404A

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

	R407C
RLA	16 A
SCIP dossier no.	9b3fb119-9852-486a-92dd-53aa9c96fd3b
Segment usage	Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	165 mm
Suction connection material	-
Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm ³]	85.64 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	4 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Viscosity [cP]	32 cP
Winding resistance for three- phase compressors with identical windings [Ohm]	1.37 Ohm

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