

**Mbsm.pro, Compressor,
inverter, VTZ121AGNR1B, 60000
btu, air conditioning**

written by Jamila | 3 March 2023

Danfoss Commercial Compressors

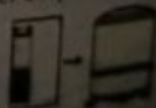
Model no: VTZ121AGNR1B



Serial no: AL1006034653



CAUTION: Variable speed compressor electric supply via Danfoss CDS frequency converter only



2010

Refrigerant: R404A-R507A-R407C-R134a

WARNING

380
LR
THE
P.E.I
Man
PS
TS m
TS m
Volu
Lubri

Fridge
N/A



Description



Product details

Gross weight		43.5 kg
Net weight		40 kg
EAN	5702428666145	
Gross weight		43.5 kg
Net weight		40 kg
EAN		5702428666145

Approval standard	CE certified UL certified when connected to frequency converter
Brand technique	Reciprocating compressor
Capacity control	Inverter
Colour	Blue
Compressor power supply [V/Ph/Hz]	380-480/3/50-60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	VTZ121-G
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 N-m
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502016a
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock

Frequency [Hz]	30 – 85
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	29.4 bar
High Side TS Max	150 Â°C
High Side TS Min	-35 Â°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
IP protection class	IP54 (with cable gland)
Low side max pressure (Ps)	22.6 bar
Low Side TS Max	50 Â°C
Low Side TS Min	-35 Â°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	139 A
MMT	29 A
Model number	VTZ121AGNR1B
Motor protection	Motor protection by frequency converter
Mounting torque [Nm]	15 N-m
Nominal cooling capacity at 50Hz	6.7 kW
Nominal cooling capacity at 60Hz	14.4 kW
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
Refrigerant	R134a R404A R407C R507A
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
RLA	23.2 A
Rotational speed at 50Hz [rpm]	0 rpm

Rotational speed at 60Hz [rpm]	0 rpm
Segment usage	Air conditioning Refrigeration LT 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 mounting torque [Nm]	110 N-m
Suction connection pipe size [in]	1 1/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm3]	120.94 cm3
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	VTZ
Type designation	Compressor

Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.59 Ohm
Approval standard	CE certified UL certified when connected to frequency converter
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Capacity control	Inverter
Colour	Blue
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Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	30 – 85
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
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Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	30 – 85
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
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Packing quantity	1
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Power connections	Screw 4.8 mm
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