

**120B0006****Reciprocating compressor, Inverter, VTZ215AGNR1A**

Refrigerant: R134a; R404A; R407C, Segment usage: Air conditioning;
Refrigeration LT; Refrigeration MT, Phase: 3

PRODUCT DETAILS

Gross weight	72 kg
Net weight	68 kg
EAN	5702428666121
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	4
Description	VTZ215-G
Diameter [mm]	352 mm
Discharge connection height [mm]	125 mm
Discharge connection mounting torque [Nm]	90 Nm
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	8504018a
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 - 90
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm

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Product Detail | Reciprocating compressor, Inverter, VTZ215AGNR1A
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High side max pressure (Ps)	29.4 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	1.2 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 °C
Low Side TS Min	-35 °C
Low Side Volume	31 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	197 A
MMT	51 A
Model number	VTZ215AGNR1A
Motor protection	Motor protection by frequency converter
Mounting torque [Nm]	50 Nm
Nominal cooling capacity at 50Hz	9.8 kW
Nominal cooling capacity at 60Hz	29 kW
Number of starts per hour [Max]	12
Oil charge [L]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
Oil reference	160PZ
Packaging height [mm]	600 mm
Packaging length [mm]	485 mm
Packaging width [mm]	395 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8mm
Refrigerant	R134a R404A R407C
Refrigerant charge [kg] [Max]	10 kg
Relief valve	30 bar/8 bar
RLA	40.8 A
Rotational speed at 50Hz [rpm]	0 rpm

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Product Detail | Reciprocating compressor, Inverter, VTZ215AGNR1A
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Rotational speed at 60Hz [rpm]	0 rpm
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]	233 mm
Suction connection mounting torque [Nm]	110 Nm
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]	215.44 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 Nm
Torque power [Nm]	3 Nm
Total height [mm]	518 mm
Type	VTZ
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.47 Ohm

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

Accessories

8153004 [🔗](#)
TUBE SLEEVE 1 1/8 X 1 3/4

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


8153008 [🔗](#)
SOLDER SLEEVE P04

Solder sleeve, P04 (1-1/4" rotolock, 3/4" ODF)

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Product Detail | Reciprocating compressor, Inverter, VTZ215AGNR1A**Accessories****8156007** [🔗](#)**Mounting kit**

Mounting kit for four-cylinder compressor and MS, including 4 grommets, 4 bolts

**8156009** [🔗](#)**Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black and white**

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

**8156131** [🔗](#)**Gasket, 1-1/4"**

Gasket, 1-1/4"

**8156132** [🔗](#)**Gasket, 1-3/4"**

Gasket, 1-3/4"

**8173230** [🔗](#)**T block**

T block connector 52 x 57 mm

**120Z0149** [🔗](#)**Terminal box cover**

Terminal box cover

**120Z0577** [🔗](#)**Acoustic hood for four-cylinder compressor**

Acoustic hood for four-cylinder compressor

Spare Parts**7703009** [🔗](#)**Valve set**

Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")

**7773108** [🔗](#)**Crankcase heater**

Belt type crankcase heater, 75 W, 230 V, CE mark, UL

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Product Detail | Reciprocating compressor, Inverter, VTZ215AGNR1A**Spare Parts****7773118** [🔗](#)**Crankcase heater**

Belt type crankcase heater, 75 W, 400 V, CE mark, UL

**8156019** [🔗](#)**Sight glass**

Oil sight glass with gaskets (black and white)

**8156145** [🔗](#)**Gasket for oil sight glass (black chloroprene)**

Gasket for oil sight glass (black chloroprene)

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

VALVE SETS V02 1 3/4"-1 1/8"

**8168029** [🔗](#)**Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)**

VALVE SETS V04 1 1/4"-3/4"

**120Z0464** [🔗](#)**Crankcase heater**

Belt type crankcase heater, 75 W, 460 V, CE mark, UL

**120Z0638** [🔗](#)**POE lubricant, 175PZ, 1-litre can**

POE lubricant, 175PZ, 1-litre can

**120Z0459** [🔗](#)**PTC**

PTC heater 27W, CE mark, UL

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