

**MT36-1VI****Reciprocating compressor, MT36JG1QVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply [V]: 208-230/1/60, Packing format: Single pack

**PRODUCT DETAILS**

<b>Gross weight</b>	27.88 Kg
<b>Net weight</b>	26.005 Kg
<b>Volume</b>	37.73 Liter
<b>EAN</b>	5702428839730
<b>Approval</b>	CE UL UKCA
<b>Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]</b>	2.9
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Capacity of capacitor A</b>	25 µF
<b>Capacity of capacitor B</b>	100 µF
<b>Capacity of capacitor C</b>	20 µF
<b>China RoHS compliance</b>	Out of scope
<b>Colour</b>	Blue
<b>Compressor power supply [V]</b>	208-230/1/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	1
<b>Description</b>	MT036-1
<b>Diameter [mm]</b>	224 mm
<b>Discharge connection height [mm]</b>	68 mm
<b>Discharge connection pipe size [in]</b>	1/2 in
<b>Discharge connection size [in]</b>	1 in
<b>Drawing number</b>	8501020e
<b>Economizer</b>	No
<b>EU RoHS compliance</b>	Yes with exemptions
<b>EU RoHS exemption clause</b>	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	MT
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader

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## Product Detail | Reciprocating compressor, MT36JG1QVE

## 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	0.3 L
High value of nominal voltage at 60Hz [V]	230 V
High value of voltage range at 60Hz [V]	253 V
In scope of WEEE and contain batteries	No
IP protection class	IP55 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	7.5 L
Low value of nominal voltage at 60Hz [V]	208 V
Low value of voltage range at 60Hz [V]	187 V
LRA	84 A
Main winding resistance for single-phase compressors [Ohm]	0.63
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	18.4 bar
MCC	30 A
Model number	MT36JG1QVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	208-230/1/60
Number of starts per hour [Max]	12
Oil charge [L]	0.95 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	385 mm
Packaging length [mm]	330 mm
Packaging weight [Kg]	27 kg
Packaging width [mm]	295 mm
Packing format	Single pack
Packing quantity	1
Phase	1
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	MT
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R22
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	5a332c1b-1d1b-4998-8115-d0929877ecb4
Segment usage	Refrigeration MT

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**Product Detail | Reciprocating compressor, MT36JG1QVE**
**PRODUCT DETAILS**

<b>Shipped fittings</b>	Suction and discharge solder sleeves, rotolock nuts, and gaskets
<b>Shipped instructions</b>	Installation instructions
<b>Shipped mounting</b>	Mounting kit with grommets, bolts, nuts, sleeves and washers
<b>Shipped oil</b>	Initial oil charge
<b>Suction connection height [mm]</b>	263 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	5/8 in
<b>Suction connection size [in]</b>	1 1/4 in
<b>Swept volume [cm<sup>3</sup>]</b>	60.47 cm <sup>3</sup>
<b>Technology</b>	Reciprocating
<b>Test Dif [bar] [Max]</b>	30 bar
<b>Test HP [bar] [Max]</b>	30 bar
<b>Test LP [bar] [Max]</b>	25 bar
<b>Torque earth [Nm]</b>	3 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	356 mm
<b>Type</b>	MT036
<b>UK RoHS compliance</b>	Out of scope
<b>Viscosity [cP]</b>	32 cP
<b>Voltage of capacitor A [V]</b>	440 V
<b>Voltage of capacitor B [V]</b>	330 V
<b>Voltage of capacitor C [V]</b>	440 V
<b>Proposition 65</b>	WARNING: Cancer and Reproductive Harm <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

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

**Accessories**

**8156009** [↗](#)
**Connector, GASKET**

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


**7701026** [↗](#)
**Electrical component, Starting kit**

PSC starting kit, 20 µF, 10 µF


**120Z0575** [↗](#)
**Acoustic hood, Reciprocating**

Acoustic hood for one-cylinder compressor

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**Accessories**

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**8156001** [🔗](#)**Mounting, Compressor kit**

Mounting kit for one and two-cylinder compressor, including 3 grommets, 3 bolts

**8153011** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P09 (1-1/4" rotolock, 5/8" ODF)

**8156134** [🔗](#)**Electrical component, Terminal box**

Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp

**7701155** [🔗](#)**Electrical component, Starting kit**CSR starting kit, 25  $\mu$ F, 20  $\mu$ F, 98  $\mu$ F**8153007** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P06 (1" rotolock, 1/2" ODF)

**8173001** [🔗](#)**Electrical component, Start capacitor**Start capacitor 330V, 98  $\mu$ F**8156130** [🔗](#)**Connector, GASKET**

Gasket, 1"

**8156131** [🔗](#)**Connector, GASKET**

Gasket, 1-1/4"

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**Spare Parts**

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**7703005** [🔗](#)**Connector, Valve set**

Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2")

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Spare Parts

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**7754001** [🔗](#)**Lubricant, 160P**Mineral oil, 160P, 2-litre can

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

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**8173022** [🔗](#)**Electrical component, Relay**Starting relay type RVA-6AMKL/3ARR3J4A4

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**8168033** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF)

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**7701155** [🔗](#)**Electrical component, Starting kit**CSR starting kit, 25 µF, 20 µF, 98 µF

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

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**8168031** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V06 (1" rotolock, 1/2" ODF)

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**120Z0459** [🔗](#)**Crankcase heater, PTC heater**PTC heater 27W, CE mark, UL

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**7773106** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 54 W, 230 V, CE mark, UL

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