

**MT36-5VI****Reciprocating compressor, MT36JG5CVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply
[V/Ph/Hz]: 220-240/1/50

PRODUCT DETAILS

Gross weight	27.88 Kg
Net weight	26.005 Kg
Volume	38.42 Liter
EAN	5702428662253
Approval standard	CCC CE
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	4.23
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Capacity of capacitor A	25 µF
Capacity of capacitor B	135 µF
Capacity of capacitor C	10 µF
Colour	Blue
Compressor power supply [V/Ph/Hz]	220-240/1/50
Configuration code	Single
Connection type	Rotolock
Cylinder	1
Description	MT036-5
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1 in
Drawing number	8501020e
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Family	MT
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Gauge port HP	None
Gauge port LP	Schrader
Generation code	C
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m

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Product Detail | Reciprocating compressor, MT36JG5CVE

PRODUCT DETAILS

High side max pressure (Ps)	29.4 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.3 L
High value of nominal voltage at 50Hz [V]	240 V
High value of nominal voltage at 60Hz [V]	0 V
High value of voltage range at 50Hz [V]	264 V
High value of voltage range at 60Hz [V]	0 V
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	7.5 L
Low value of nominal voltage at 50Hz [V]	220 V
Low value of nominal voltage at 60Hz [V]	0 V
Low value of voltage range at 50Hz [V]	198 V
Low value of voltage range at 60Hz [V]	0 V
LRA	60 A
Main winding resistance for single-phase compressors [Ohm]	0.8
MCC	22 A
Model number	MT36JG5CVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	220-240/1/50 208-230/1/60
Nominal cooling capacity 60 kBTU/h	37.88 kBTU/h
Nominal cooling capacity at 50Hz	8.5 kW
Nominal cooling capacity at 60Hz	11.1 kW
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	Reciprocating compressor MT
Refrigerant charge [kg] [Max]	2.5 kg

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Product Detail | Reciprocating compressor, MT36JG5CVE

PRODUCT DETAILS

Refrigerants	R22
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
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]	263 mm
Suction connection material	-
Suction connection pipe size [in]	5/8 in
Suction connection size [in]	1 1/4 in
Swept volume [cm ³]	60.47 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]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	356 mm
Type	MT036
Viscosity [cP]	32 cP
Voltage of capacitor A [V]	440 V
Voltage of capacitor B [V]	330 V
Voltage of capacitor C [V]	440 V

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Accessories



8156009 [↗](#)

Connector, Gasket

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



8156134 [↗](#)

Electrical component, Terminal box

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



7701026 [↗](#)

Electrical component, Starting kit

PSC starting kit, 20 µF, 10 µF

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Product Detail | Reciprocating compressor, MT36JG5CVE**Accessories****8156001** [🔗](#)**Mounting, Compressor kit**

Mounting kit 1 cyl high

**8173002** [🔗](#)**Electrical component, Start capacitor**

Start capacitor 330V, 140 µF

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

Gasket, 1-1/4"

**8156130** [🔗](#)**Connector, Gasket**

Gasket, 1"

**8153007** [🔗](#)**Connector, Solder sleeve**

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

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

Acoustic hood for one-cylinder compressor

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

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

Spare Parts**8168031** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V06 (1" rotolock, 1/2" ODF)

**8156145** [🔗](#)**Connector, Gasket**

Gasket for oil sight glass (black chloroprene)

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Spare Parts

**7701023** [🔗](#)**Electrical component, Starting kit**

CSR starting kit, 25 µF, 10 µF, 140 µF

**7701029** [🔗](#)**Electrical component, Starting kit**

CSR starting kit, prewired box, 25 µF, 10 µF, 140 µF

**8168033** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF)

**7773106** [🔗](#)**Heater, Crankcase heater**

Belt type crankcase heater, 54 W, 230 V

**120Z0459** [🔗](#)**Heater, PTC heater**

PTC heater 27W

**8156019** [🔗](#)**Connector, Sight glass**

Oil sight glass with gaskets (black and white)

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

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

**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

**8173022** [🔗](#)**Electrical component, Relay**

Starting relay type RVA-6AMKL/3ARR3J4A4

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