

# Submittal Data

PROJECT: _____	UNIT TAG: _____	QUANTITY: _____
REPRESENTATIVE: _____	TYPE OF SERVICE: _____	DATE: _____
ENGINEER: _____	SUBMITTED BY: _____	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____



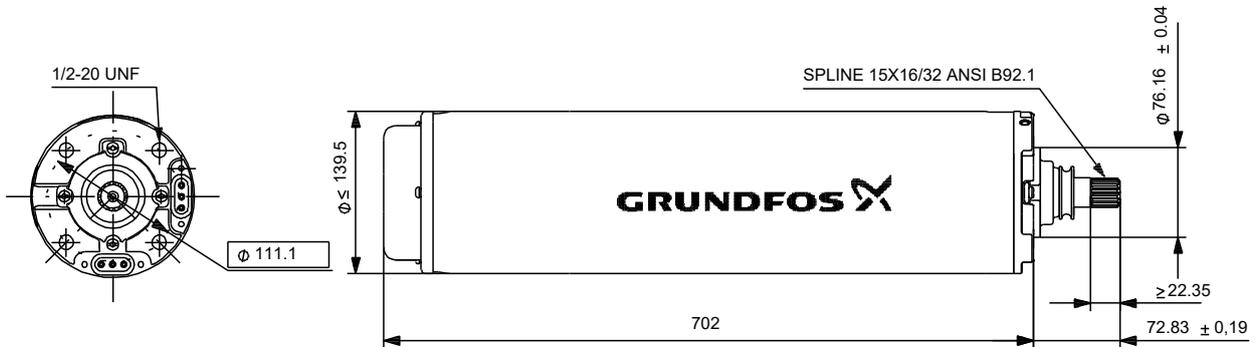
## MS6000REST40

Submersible motors

Note! Product picture may differ from actual product

Conditions of Service	Pump Data	Motor Data
	Approvals: CE, GOST2 Product number: On request	Rated power - P2: 15 kW Rated voltage: 340-380 V Mains frequency: 50 Hz Enclosure class: IP68 Insulation class: F Motor protection: NONE Thermal protection: external Motor type: MS6000

# Submittal Data



## Materials:

- Motor: Stainless steel
- Motor: DIN W.-Nr. 1.4539
- Motor: AISI 904 L

**Qty. Description**

1 **MS6000REST40**



**Note! Product picture may differ from actual product**

Product No.: On request

The motor is a 3-phase motor of the canned type with sand shield, liquid-lubricated bearings and pressure equalizing diaphragm.

**Liquid:**

Max liquid t at 0.15 m/sec: 40 °C

**Technical:**

Shaft seal for motor: SIC/SICFKM

Approvals: CE,GOST2

CE approved (Yes/No): Y

Motor version: T40

**Materials:**

Motor: Stainless steel  
DIN W.-Nr. 1.4539  
AISI 904 L

**Installation:**

Maximum ambient pressure: 60 bar

Motor diameter: 6 inch

**Electrical data:**

Motor type: MS6000

Rated power - P2: 15 kW

Mains frequency: 50 Hz

Rated voltage: 3 x 340-380 V

Voltage tolerance: +6/-10 %

Rated current: 38.5-36.0 A

Starting current: 450-560 %

Cos phi - power factor: 0.85-0.81

Rated speed: 2830-2880 rpm

Rated full-load torque: 50.5 Nm

Locked-rotor torque: 130-170 %

Breakdown torque: 220-290 %

Moment of inertia: 0.0072 kg m<sup>2</sup>

Axial load max: 27 kN

Start. method: direct-on-line

Enclosure class (IEC 34-5): IP68

Insulation class (IEC 85): F

Built-in temp. transmitter: yes

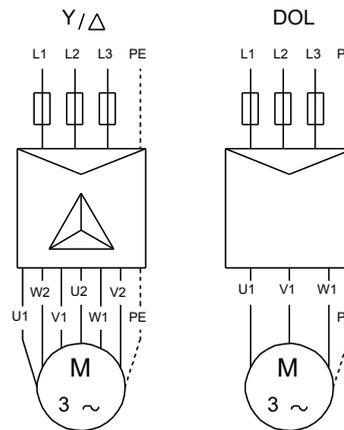
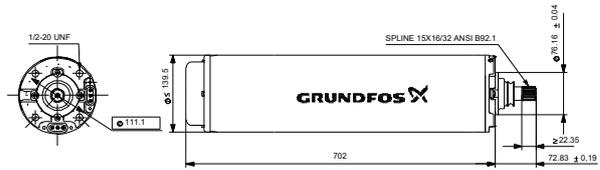
Winding resistance: 0.693 ohm

Windings: Enamelled

**Others:**

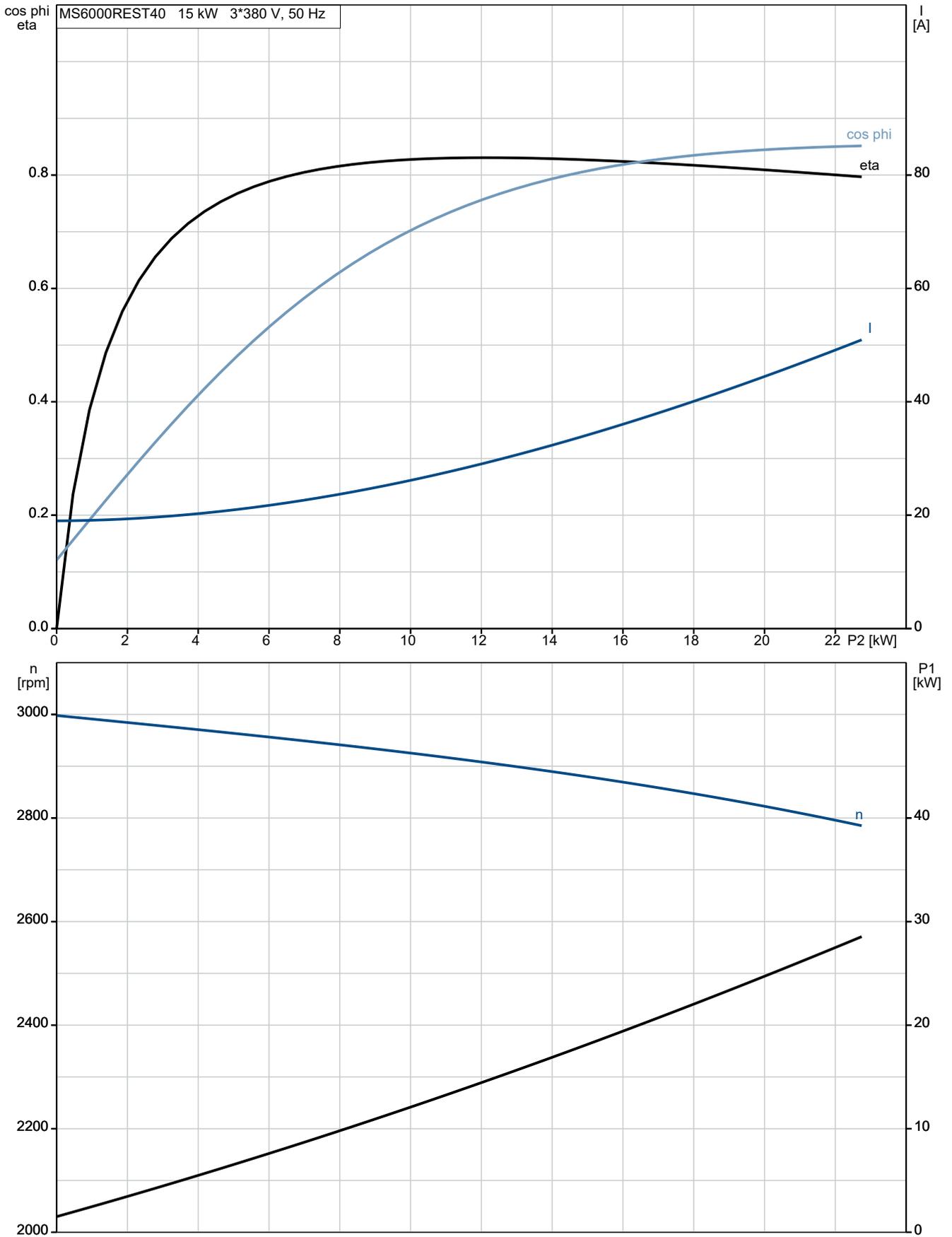
Net weight: 53 kg

Description	Value
<b>General information:</b>	
Product name:	MS6000REST40
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Shaft seal for motor:	SIC/SICFKM
Approvals:	CE,GOST2
CE approved (Yes/No):	Y
Model:	C
Motor version:	T40
<b>Materials:</b>	
Motor:	Stainless steel
Motor:	DIN W.-Nr. 1.4539
Motor:	AISI 904 L
<b>Installation:</b>	
Maximum ambient pressure:	60 bar
Motor diameter:	6 inch
Staybolt:	1/2-20 UNF
<b>Liquid:</b>	
Max liquid t at 0.15 m/sec:	40 °C
<b>Electrical data:</b>	
Motor type:	MS6000
Rated power - P2:	15 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 340-380 V
Voltage tolerance:	+6/-10 %
Rated current:	38.5-36.0 A
Starting current:	450-560 %
Cos phi - power factor:	0.85-0.81
Rated speed:	2830-2880 rpm
Rated full-load torque:	50.5 Nm
Locked-rotor torque:	130-170 %
Breakdown torque:	220-290 %
Moment of inertia:	0.0072 kg m <sup>2</sup>
Axial load max:	27 kN
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Thermal protec:	external
Built-in temp. transmitter:	yes
Winding resistance:	0.693 ohm
Windings:	Enamelled
<b>Others:</b>	
Net weight:	53 kg

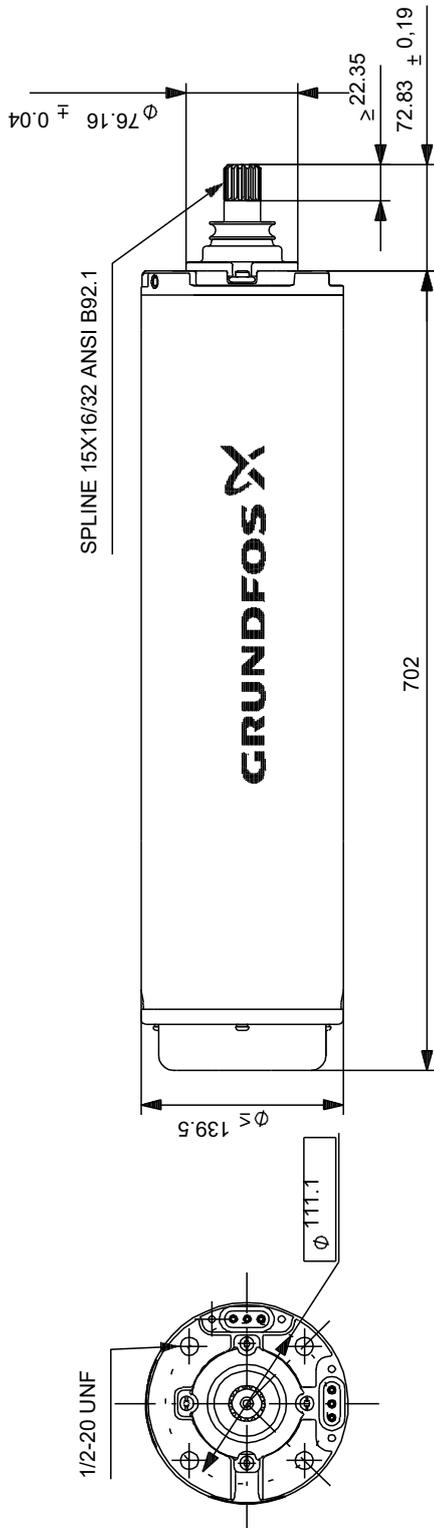


U1, W2	Brown
V1, U2	Black
W1, V2	Grey

## On request MS6000REST40 50 Hz

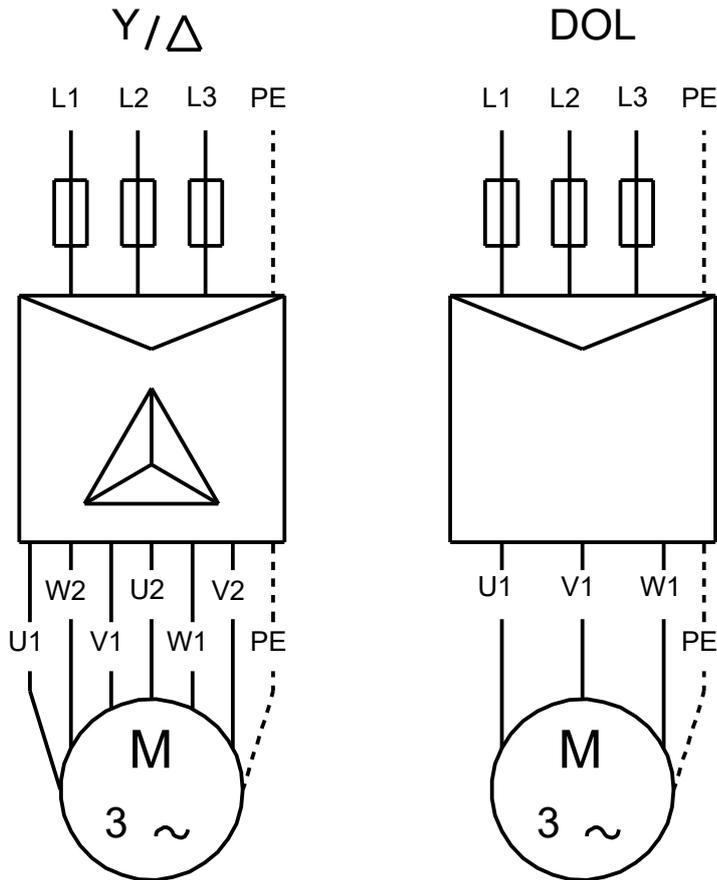


## On request MS6000REST40 50 Hz



Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

**On request MS6000REST40 50 Hz**



U1, W2	Brown
V1, U2	Black
W1, V2	Grey

Note! All units are in [mm] unless others are stated.



## Ordering data

**On request MS6000REST40 50 Hz**

**Product No.: On request**

Company name: Al Mawared Engineering & Trading S.A.E (MET)

Date: 10/8/2023

Created by: Mostafa Mohamed

Phone: 02 26421242 - 01223033998

Fax:

Project:

Client Number:

Contact:

Reference Number:

### Electrical data:

Frequency	50 Hz	-
Rated motor voltage	340-380 V	-
Rated motor power	15 kW	-
Rated motor speed	2830-2880 rpm	-
Rated motor torque	50.5 Nm	-
Wiring connection	-	-
Rated motor current	38.5-36.0 A	-
Max motor current	-	-
Efficiency class	-	-
Full load Efficiency %	-	-
Power factor	0.85-0.81	-
Starting- / Rated motor current <small>(50/60 Hz)</small>		/
Breakdown- / Rated motor torque <small>(50/60 Hz)</small>		220-290 / %
Starting- / Rated motor torque <small>(50/60 Hz)</small>		/

### Mechanical data:

Moment of inertia 0.0072 kg m<sup>2</sup>

### Ambient conditions:

Ambient temperature	
Altitude above sea level	1000 m
Approvals and specifications	IEC 60034

### General data:

Frame size	MS6000
Type of construction	-
Weight, without optional accessories	53 kg
Frame material	-
Degree of protection	IP IP68
Max liquid t at 0.15 m/sec	40
Vibration class	
Duty type	S1
Direction of rotation	CCW

### Protection:

Built-in protection	-
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