

Qty.	Description
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ML112CA



Note! Product picture may differ from actual product

Product No.: On request

The motor is a 3-phase AC standard motor.

Grundfos motor technology represents the best from Grundfos within energy efficient motors. Grundfos motor either meet or exceed legislative requirements such as the EuP IE3 grade.

Technical:

Approvals for motor: CE,EAC,UKCA,SEPRO,RCM,cURus/cCSAus,Morocco

Energy approvals for motor: CE,CC,

Cable gland entry: 2xPG 21 blind plug

Drain holes: Yes (closed)

Installation:

Range of ambient temperature: -22 .. 140 °F

Flange size for motor: 182TC

Electrical data:

Motor standard: NEMA

Motor type: 112CA

Rated power - P2: 5 HP

Mains frequency: 60 Hz

Rated voltage: 3 x 208-230YY/460Y V

Service factor: 1.15

Rated current: 14,1-13,1/7,29 A

Maximum current consumption: 15,5-14,6/ A

Starting current: 1000-1470 %

Cos phi - power factor: 0.89-0.86

Rated speed: 3525-3540 rpm

Rated full-load torque: 7.966 ft lb

Locked-rotor torque: 330-530 %

Breakdown torque: 420-670 %

Moment of inertia: 0.178 lb ft²

IE Efficiency class: NEMA Premium / IE3 60Hz

Motor efficiency at full load: 88.5 %

Motor efficiency at 3/4 load: 88.5-87.3 %

Motor efficiency at 1/2 load: 86.9-84.7 %

Number of poles: 2



Company name:

Created by:

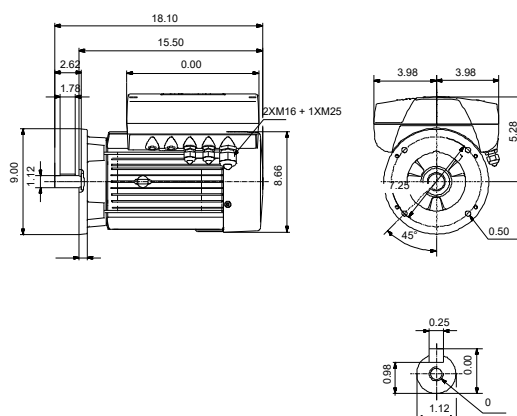
Phone:

Date:

03/09/2026

Qty.	Description
1	Enclosure class (IEC 34-5): IP55 Dust/Jetting Insulation class (IEC 85): F Built-in motor protection: PTC Bearing insulation type N-end: Steel bearing Others: Net weight: 88.2 lb Colour/Type: NCS 9000 gloss 40+-10 /E-coat Custom tariff no.: 8501.34.00.40

Description	Value
General information:	
Product name:	ML112CA
Product No:	On request
EAN number:	On request
Technical:	
Shaft diameter:	1.14 in
Length of shaft end:	2.76 in
Approvals for motor:	CE,EAC,UKCA,SEPRO,RCM,cU Rus/cCSAus,Morocco
Energy approvals for motor:	CE,CC,
Model:	H3
Cooling:	TEFC
Cable gland entry:	2xPG 21 blind plug
Drain holes:	Yes (closed)
Installation:	
Range of ambient temperature:	-22 .. 140 °F
Flange size for motor:	182TC
Electrical data:	
Motor standard:	NEMA
Motor type:	112CA
Rated power - P2:	5 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	14,1-13,1/7,29 A
Maximum current consumption:	15,5-14,6/ A
Starting current:	1000-1470 %
SF current:	16,2-15,0/8,40 A
Cos phi - power factor:	0.89-0.86
Rated speed:	3525-3540 rpm
Rated full-load torque:	7.966 ft lb
Locked-rotor torque:	330-530 %
Breakdown torque:	420-670 %
Moment of inertia:	0.178 lb ft²
IE Efficiency class:	NEMA Premium / IE3 60Hz
Motor efficiency at full load:	88.5 %
Motor efficiency at 3/4 load:	88.5-87.3 %
Motor efficiency at 1/2 load:	86.9-84.7 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Tropic protec:	no
Thermal protec:	external
R1:	0.924 Ohm
R2:	0.924 Ohm
R3:	0.924 Ohm
Winding 1:	PHASE 1
Winding 2:	PHASE 2
Winding 3:	PHASE 3
Mount. design. acc. IEC 34-7:	NEMA type C
Bearing insulation type N-end:	Steel bearing
Others:	
Net weight:	88.2 lb
Colour/Type:	NCS 9000 gloss 40+-10 /E-coat
Custom tariff no.:	8501.34.00.40



WARNING

MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

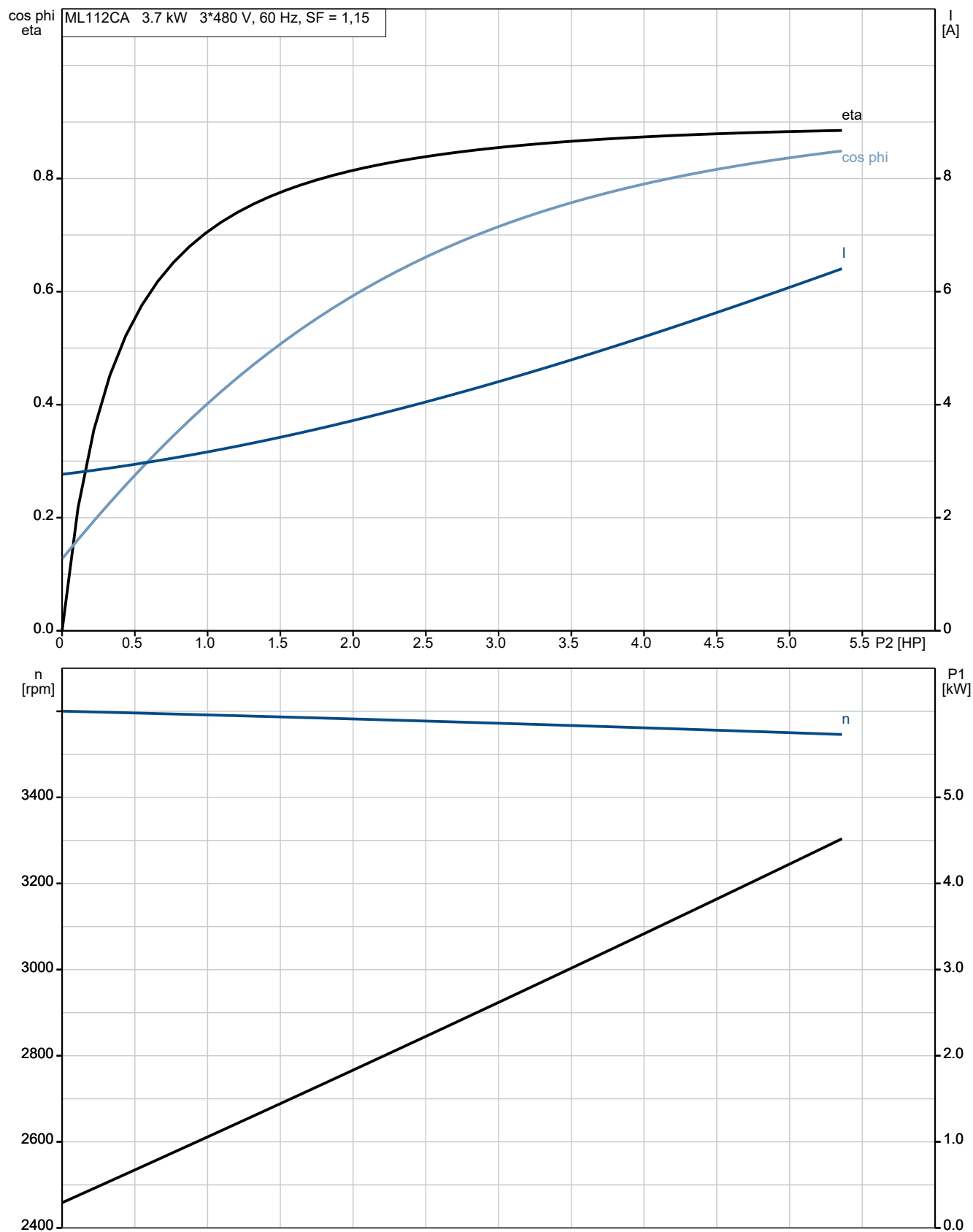
TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL.

LOW VOLTAGE
60Hz: 208-230V

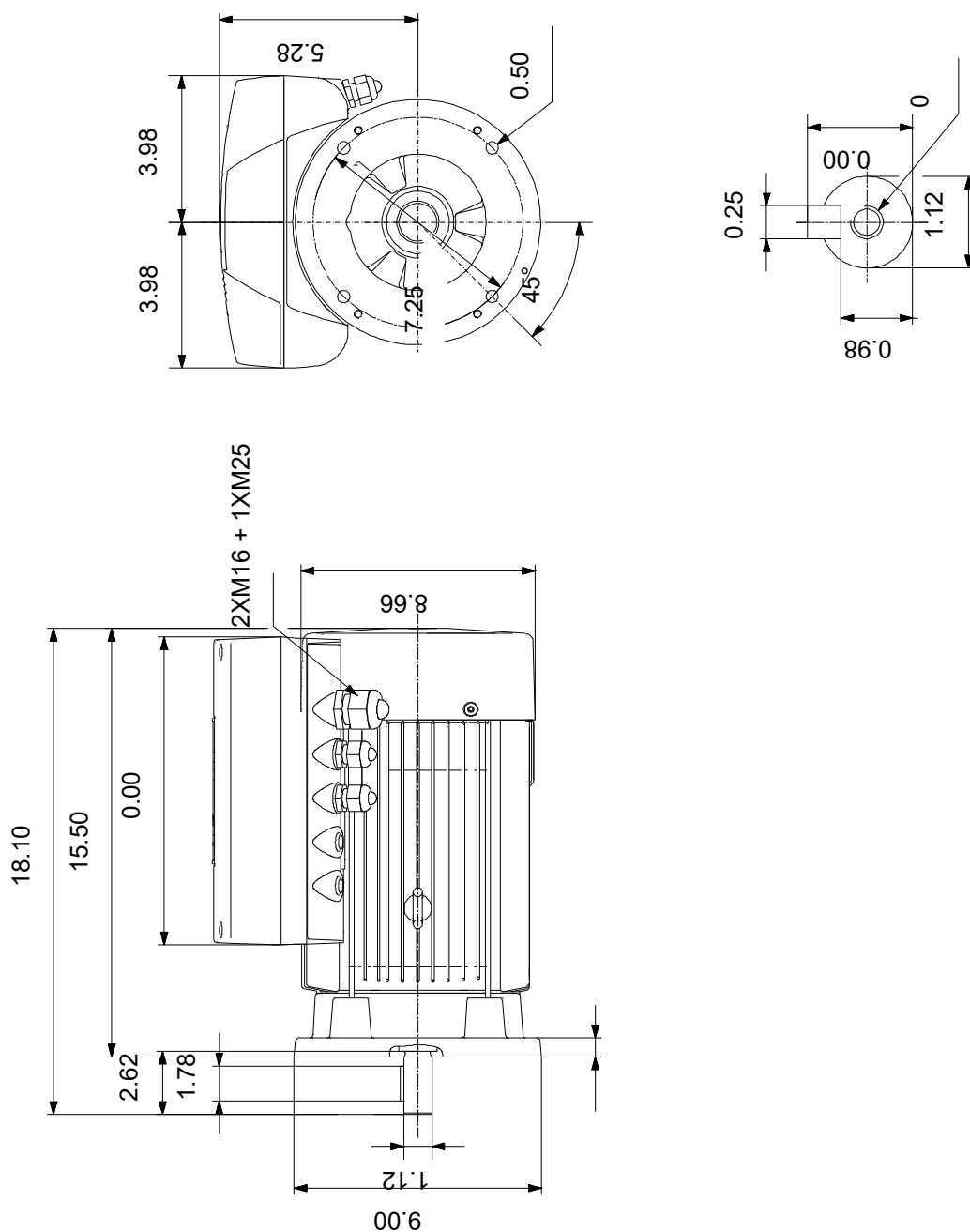
HIGH VOLTAGE
60Hz: 460V
50Hz: 400V

INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION
THERMOSTAT LEADS (WHEN PROVIDED)

On request ML112CA 60 Hz



On request ML112CA 60 Hz



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

On request ML112CA 60 Hz

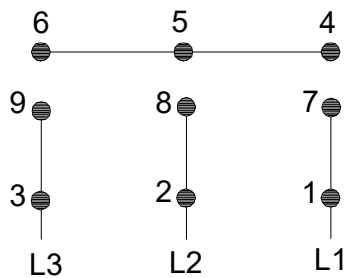


WARNING

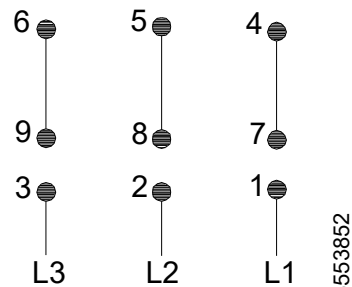
MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL.

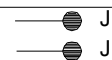
LOW VOLTAGE 60Hz. 208-230V



HIGH VOLTAGE 60Hz: 460V 50Hz: 400V



INTERCHANGE ANY TWO LINE
WIRES TO REVERSE ROTATION
THERMOSTAT LEADS
(WHEN PROVIDED)



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



Ordering data

MG112CA2-29182TC-H3

Company name:

Date:

Product No.: On request

09/03/2026

Created by:

Phone:

Fax:

Project:

Client Number:

Contact:

Reference Number:

Electrical data:

Frequency	-	60 Hz
Rated motor voltage	-	208-230YY/460Y V
Rated motor power	-	5 HP
Rated motor speed	-	3525-3540 rpm
Rated motor torque	-	7.966 ft lb
Wiring connection	-	YY/Y
Rated motor current	-	14,1-13,1/7,29 A
Max motor current	-	15,5-14,6/ A
Efficiency class	-	NEMA Premium / IE3 60Hz
Full load Efficiency %	-	88.5-88.5 %
Power factor	-	0,89-0,86
Starting- / Rated motor current	(50/60)	/ 1000 - 1470 %
Breakdown- / Rated motor torque	(50/60)	/ 420-670 %
Starting- / Rated motor torque	(50/60)	/ 330 - 530 %

Mechanical data:

Noise measurements	(50/60)	-	-
Moment of inertia		0.178 lb ft²	
Drain holes		Yes (closed)	
Bearing DE		7308BE.2CS	
Bearing NDE		6206.2Z.C3	
Bearing arrangement		NDE-locked	
Type of bearing DE		Steel ball	
Bearing seal DE		-	
Characteristic of grease DE		-	
Type of bearing NDE		Steel ball	
Bearing seal NDE		-	
Characteristic of grease NDE		-	
Regreasing device		Yes	
Type of lubrication		-	
Relubrication interval		-	
Quantity of grease for relubrication		-	
External earthing		YES	
Colour/type		NCS 9000 gloss 40+-10 /E-coat	

Explosion protection:

Type of protection WITHOUT (STANDARD)

Ambient conditions:

Ambient temperature	-22°F to 140°F
Altitude above sea level	3280 ft
Approvals and specifications	IEC 60034

General data:

Frame size	112CA
Type of construction	NEMA type C
	Flange size 182TC
Weight, without optional accessories	88.2 lb
Frame material	Aluminium
Degree of protection	IP IP55 Dust/Jetting
Method of cooling, TEFC	TEFC
Vibration class	A (Standard)
Insulation class	155(F) to 130(B)
Duty type	S1 = Continuous operation
Direction of rotation	CW / BI-DIRECTIONAL

Terminal box:

Material of terminal box	-
Cable entry	-
Cable gland	-

Protection:

Built-in protection Protector type PTC 160°C

