



Company name:

Created by:

Phone:

Date:

13/01/2026

Qty.	Description																																																										
1	<p>MG71C</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>The motor is a 3-phase AC standard motor.</p> <p>Technical:</p> <table><tr><td>Approvals for motor:</td><td>CE,EAC,UKCA,SEPRO,Morocco</td></tr><tr><td>Energy approvals for motor:</td><td>CE</td></tr><tr><td>Measuring Equip:</td><td>BRUEL & KJAER TYPE 2250</td></tr><tr><td>Cable gland entry:</td><td>2xM20x1,5 knock out</td></tr><tr><td>Drain holes:</td><td>Yes (closed)</td></tr></table> <p>Installation:</p> <table><tr><td>Range of ambient temperature:</td><td>-30 .. 60 °C</td></tr><tr><td>Flange size for motor:</td><td>FT85</td></tr></table> <p>Electrical data:</p> <table><tr><td>Motor standard:</td><td>IEC</td></tr><tr><td>Motor type:</td><td>71C</td></tr><tr><td>Rated power - P2:</td><td>0.55 kW</td></tr><tr><td>Mains frequency:</td><td>50 Hz</td></tr><tr><td>Rated voltage:</td><td>3 x 380-400D/660-690Y V</td></tr><tr><td>Rated current:</td><td>1.34/0.78 A</td></tr><tr><td>Maximum current consumption:</td><td>1.44/0.83 A</td></tr><tr><td>Starting current:</td><td>720-740 %</td></tr><tr><td>Cos phi - power factor:</td><td>0.78-0.73</td></tr><tr><td>Rated speed:</td><td>2880-2890 rpm</td></tr><tr><td>Rated full-load torque:</td><td>1.82 Nm</td></tr><tr><td>Locked-rotor torque:</td><td>370-410 %</td></tr><tr><td>Breakdown torque:</td><td>430-480 %</td></tr><tr><td>Moment of inertia:</td><td>0.00064 kg m²</td></tr><tr><td>IE Efficiency class:</td><td>IE4</td></tr><tr><td>Motor efficiency at full load:</td><td>81.5 %</td></tr><tr><td>Motor efficiency at 3/4 load:</td><td>83.1-82.3 %</td></tr><tr><td>Motor efficiency at 1/2 load:</td><td>81.0-79.3 %</td></tr><tr><td>Number of poles:</td><td>2</td></tr><tr><td>Enclosure class (IEC 34-5):</td><td>55 Dust/Jetting</td></tr><tr><td>Insulation class (IEC 85):</td><td>F</td></tr><tr><td>Bearing insulation type N-end:</td><td>Steel bearing</td></tr></table>	Approvals for motor:	CE,EAC,UKCA,SEPRO,Morocco	Energy approvals for motor:	CE	Measuring Equip:	BRUEL & KJAER TYPE 2250	Cable gland entry:	2xM20x1,5 knock out	Drain holes:	Yes (closed)	Range of ambient temperature:	-30 .. 60 °C	Flange size for motor:	FT85	Motor standard:	IEC	Motor type:	71C	Rated power - P2:	0.55 kW	Mains frequency:	50 Hz	Rated voltage:	3 x 380-400D/660-690Y V	Rated current:	1.34/0.78 A	Maximum current consumption:	1.44/0.83 A	Starting current:	720-740 %	Cos phi - power factor:	0.78-0.73	Rated speed:	2880-2890 rpm	Rated full-load torque:	1.82 Nm	Locked-rotor torque:	370-410 %	Breakdown torque:	430-480 %	Moment of inertia:	0.00064 kg m ²	IE Efficiency class:	IE4	Motor efficiency at full load:	81.5 %	Motor efficiency at 3/4 load:	83.1-82.3 %	Motor efficiency at 1/2 load:	81.0-79.3 %	Number of poles:	2	Enclosure class (IEC 34-5):	55 Dust/Jetting	Insulation class (IEC 85):	F	Bearing insulation type N-end:	Steel bearing
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Qty.	Description
1	<p>Others:</p> <p>Net weight: 7 kg</p> <p>Colour/Type: NCS 9000 gloss 40+-10 /E-coat</p> <p>Environmental approvals for motor: WEEE</p>



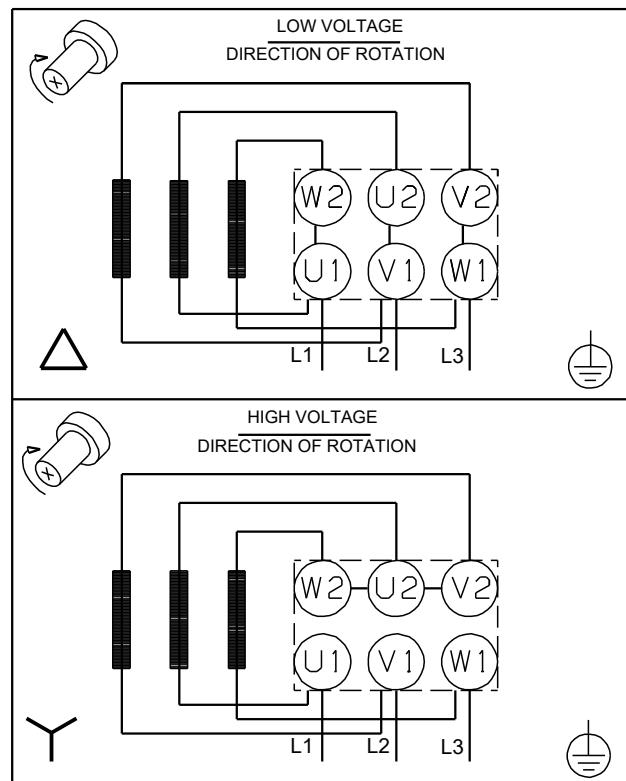
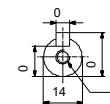
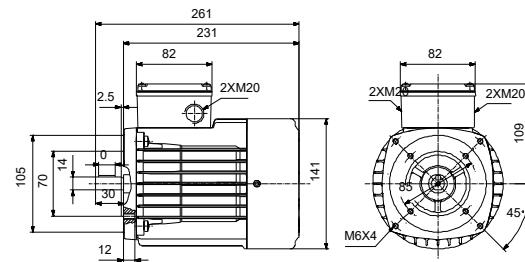
Company name:

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Phone:

Date: 13/01/2026

Description	Value
General information:	
Product name:	MG71C
Product No:	On request
EAN number:	On request
Technical:	
Shaft diameter:	14 mm
Length of shaft end:	30 mm
Approvals for motor:	CE,EAC,UKCA,SEPRO,Morocco
Energy approvals for motor:	CE
Model:	H4
Cooling:	IC 411
Measuring Equip:	BRUEL & KJAER TYPE 2250
Cable gland entry:	2xM20x1,5 knock out
Drain holes:	Yes (closed)
Installation:	
Range of ambient temperature:	-30 .. 60 °C
Flange size for motor:	FT85
Electrical data:	
Motor standard:	IEC
Motor type:	71C
Rated power - P2:	0.55 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400D/660-690Y V
Rated current:	1.34/0.78 A
Maximum current consumption:	1.44/0.83 A
Starting current:	720-740 %
Cos phi - power factor:	0.78-0.73
Rated speed:	2880-2890 rpm
Rated full-load torque:	1.82 Nm
Locked-rotor torque:	370-410 %
Breakdown torque:	430-480 %
Moment of inertia:	0.00064 kg m ²
IE Efficiency class:	IE4
Motor efficiency at full load:	81.5 %
Motor efficiency at 3/4 load:	83.1-82.3 %
Motor efficiency at 1/2 load:	81.0-79.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Tropic protec:	no
Thermal protec:	external
R1:	29.3 Ohm
R2:	29.3 Ohm
R3:	29.3 Ohm
Winding 1:	PHASE 1
Winding 2:	PHASE 2
Winding 3:	PHASE 3
Mount. design. acc. IEC 34-7:	IM B14/V18
Bearing insulation type N-end:	Steel bearing
Others:	
Net weight:	7 kg
Colour/Type:	NCS 9000 gloss 40+-10 /E-coat



Environmental approvals for motor: WEEE



Company name:

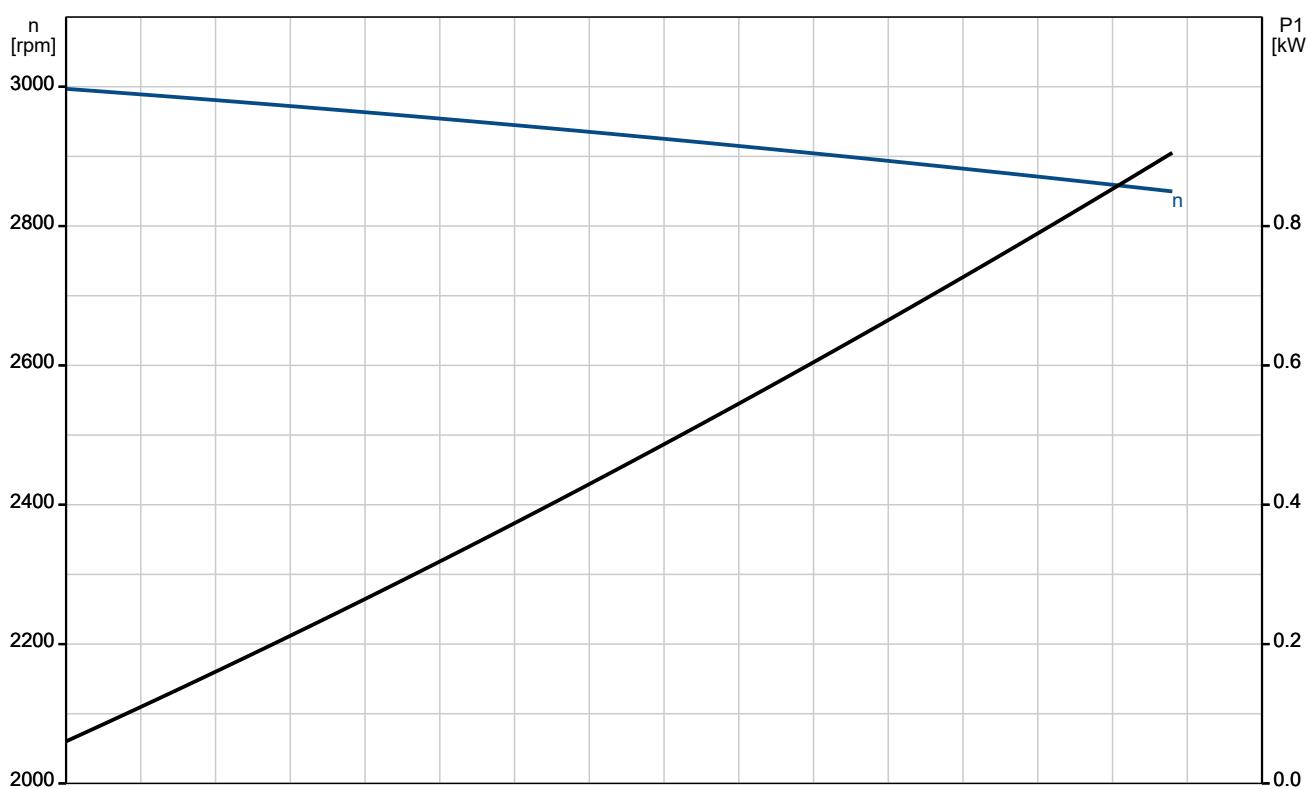
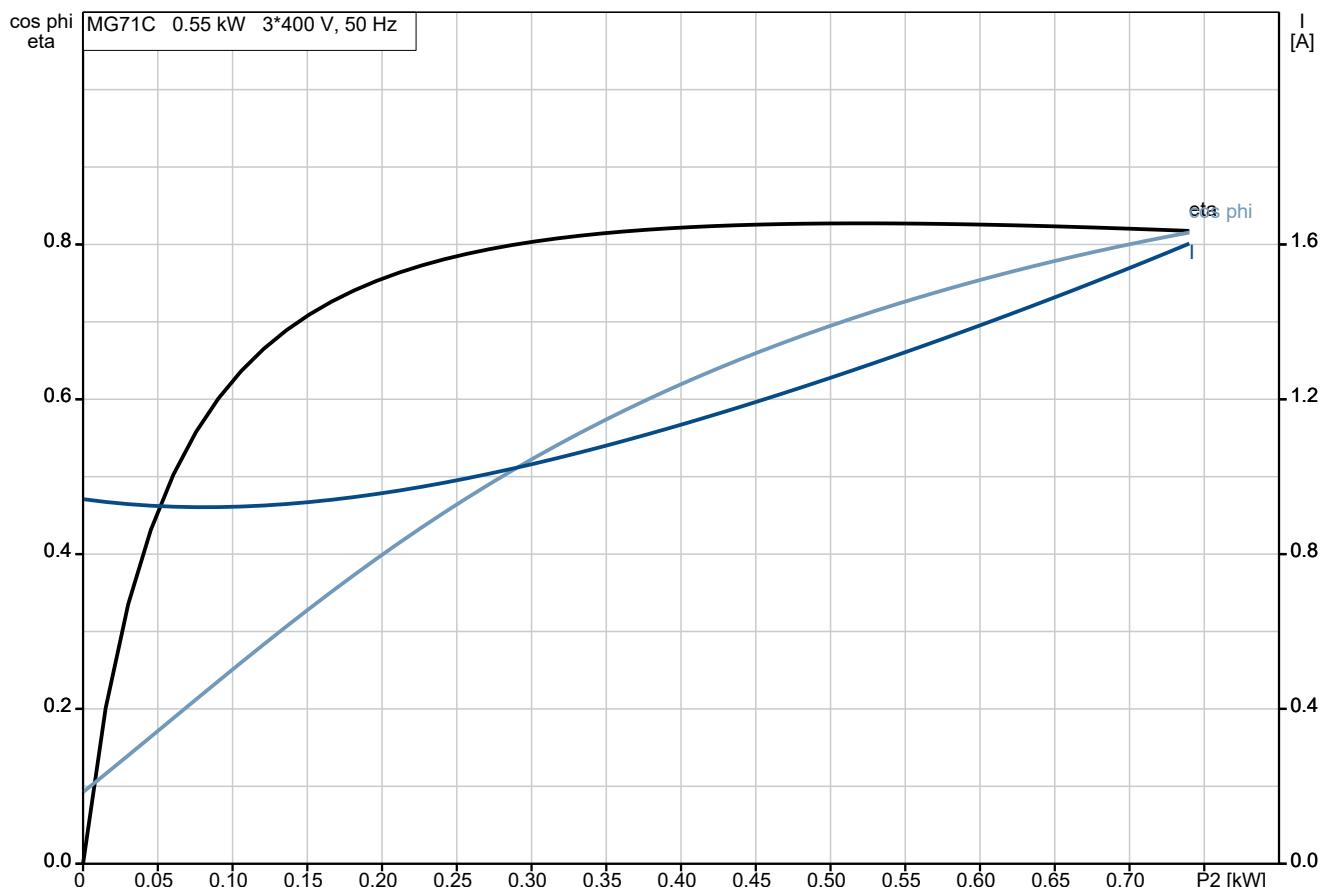
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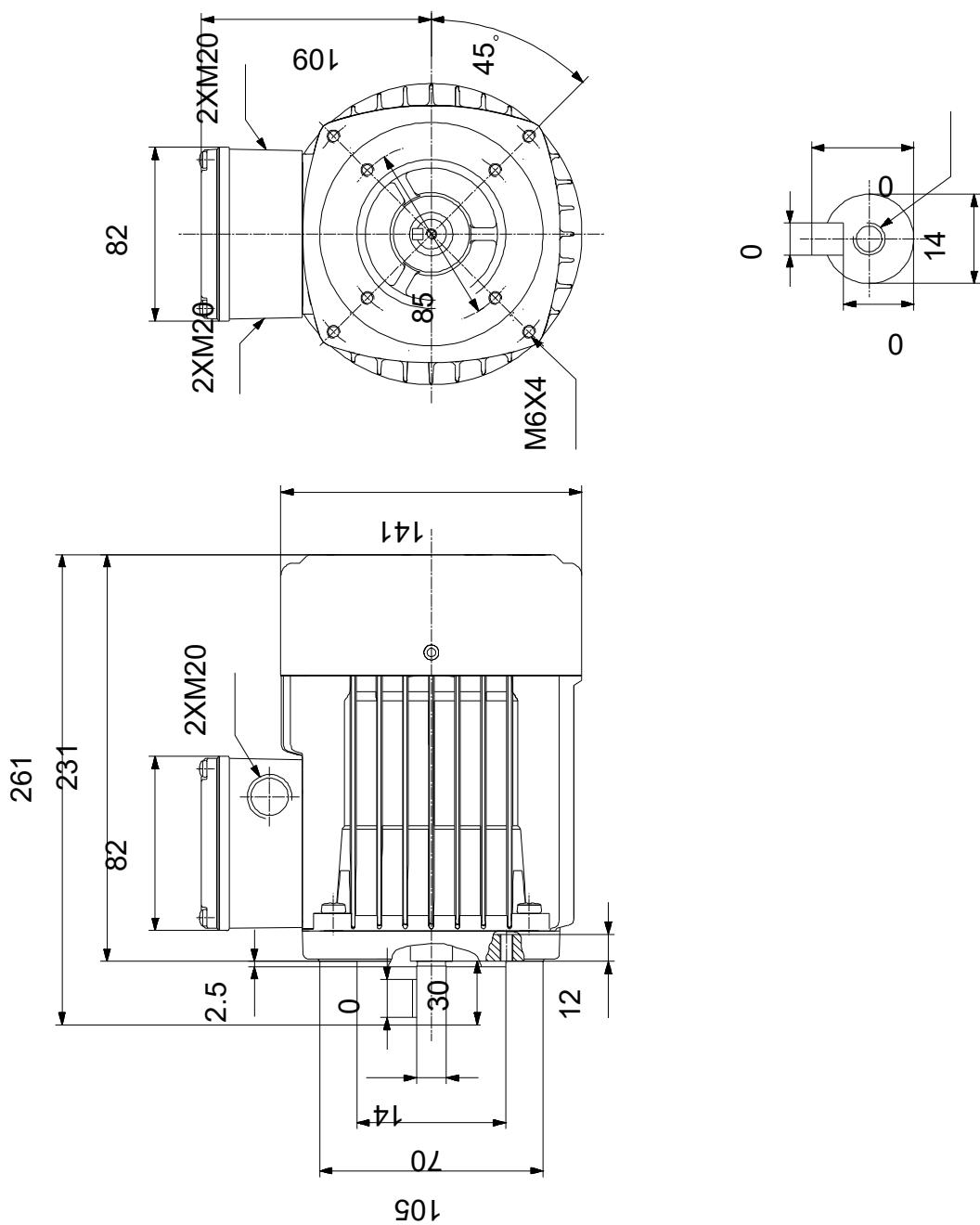
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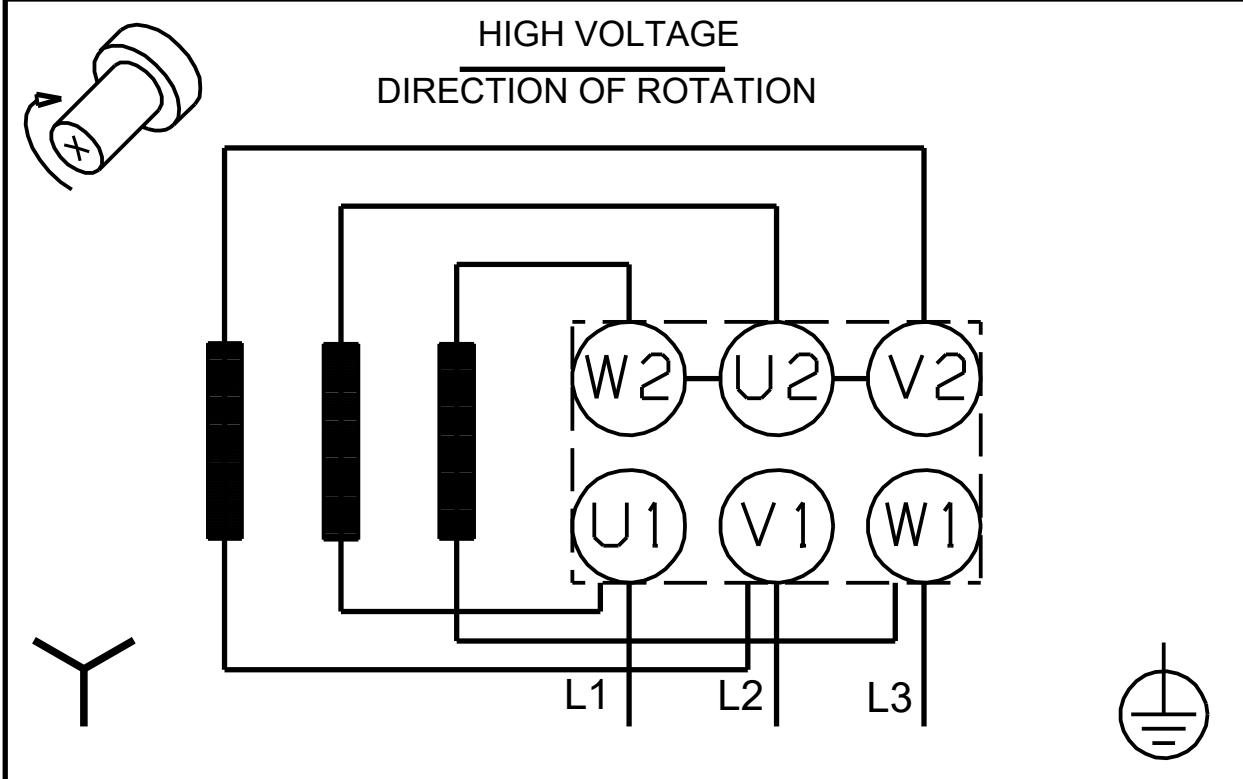
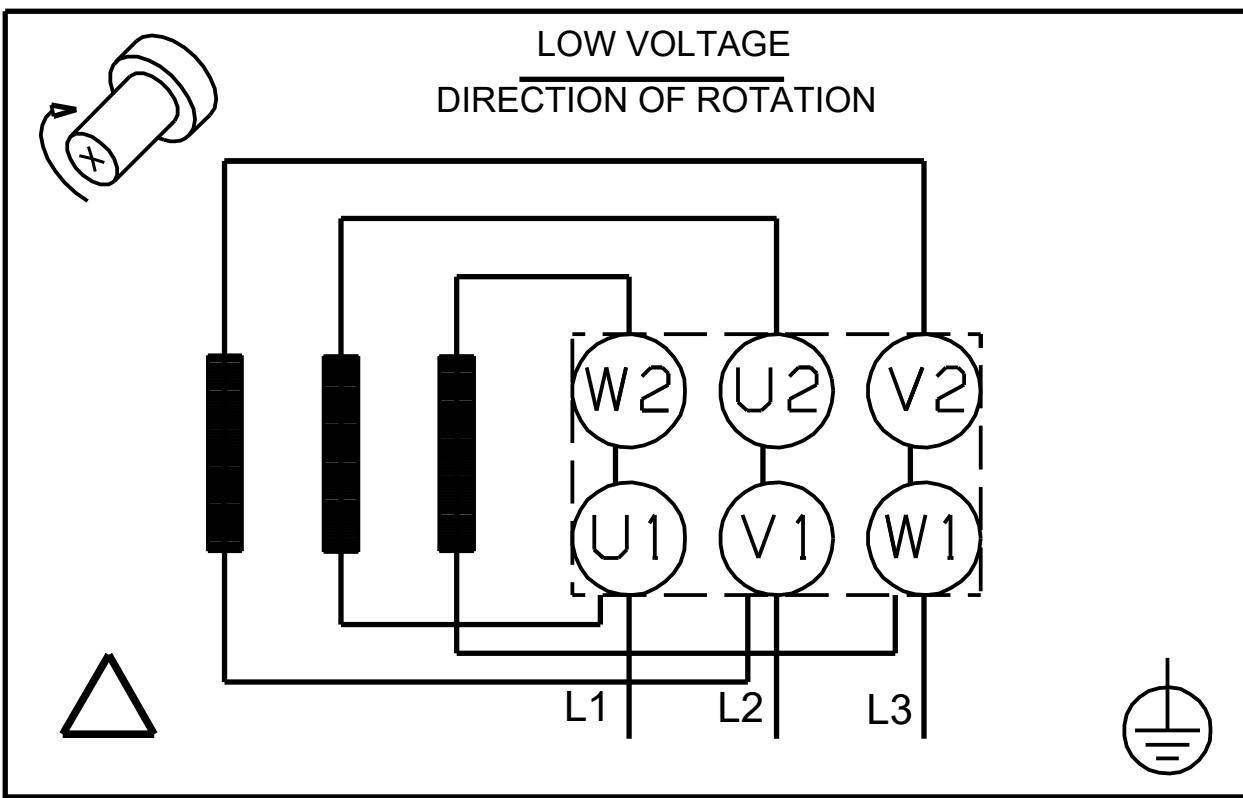
13/01/2026

On request MG71C 50 Hz



On request MG71C 50 Hz

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

On request MG71C 50 Hz

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



Ordering data

MG71C2-14FT85-H4

Company name:

Date:

Product No.: On request

Created by:

Phone:

01/13/2026

Project:

Client Number:

Contact:

Reference Number:

Electrical data:		Explosion protection:		
Frequency	50 Hz	-	Type of protection	WITHOUT (STANDARD)
Rated motor voltage	380-400D/660-690Y V	-		
Rated motor power	0.55 kW	-		
Rated motor speed	2880-2890 rpm	-		
Rated motor torque	1.82 Nm	-	Ambient temperature	-30°C to 60°C
Wiring connection	D/Y	-	Altitude above sea level	1000 m
Rated motor current	1,34/0,78 A	-	Approvals and specifications	IEC 60034
Max motor current	1,44/0,83 A	-		
Efficiency class	IE4	-		
Full load Efficiency %	81.5-81.5 %	-		
Power factor	0,78-0,73	-		
Starting- / Rated motor current (50/60 Hz)	720 - 740 /		General data:	
Breakdown- / Rated motor torque (50/60 Hz)	430-480 / %		Frame size	71C
Starting- / Rated motor torque (50/60 Hz)	370 - 410 /		Type of construction	IM B14/V18
			Flange size FT85	
			Weight, without optional accessories	7 kg
			Frame material	Aluminium
Noise measurements (50/60 Hz)	48,6 dB(A)	-	Degree of protection	IP 55 Dust/Jetting
Moment of inertia	0.00064 kg m²		Method of cooling, TEFC	IC 411
Drain holes	Yes (open)		Vibration class	A (Standard)
Bearing DE	6204.2Z.C3		Insulation class	155(F) to 130(B)
Bearing NDE	6201.2Z.C3		Duty type	S1 = Continuous operation
Bearing arrangement	NDE-locked		Direction of rotation	CW / BI-DIRECTIONAL
Type of bearing DE	Steel ball			
Bearing seal DE	2Z (Cover plates)		Terminal box:	
Characteristic of grease DE	Synthetic		Material of terminal box	-
Type of bearing NDE	Steel ball		Cable entry	-
Bearing seal NDE	2Z (Cover plates)		Cable gland	-
Characteristic of grease NDE	Synthetic			
Regreasing device	Yes		Protection:	
Type of lubrication	-		Built-in protection	-
Relubrication interval	-			
Quantity of grease for relubrication	-			
External earthing	NO			
Colour/type	NCS 9000 gloss 40+-10 /E-coat			

Grundfos A/S reserves the right to change the specifications without further notice. Grundfos A/S cannot be held responsible for any missing, inaccurate or obsolete data. There may be discrepancies between calculated and rating plate values.



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On request MG71C 50 Hz

Vibration Measurement Report

Mechanical vibration measurement according to IEC 60034-14

Motor type: MG71C

Product number: On request

Fan diameter: D89 [mm]

P2: 0.55 [kW]

U: 400 [V]

Pole: 2

Frequency: 50 [Hz]

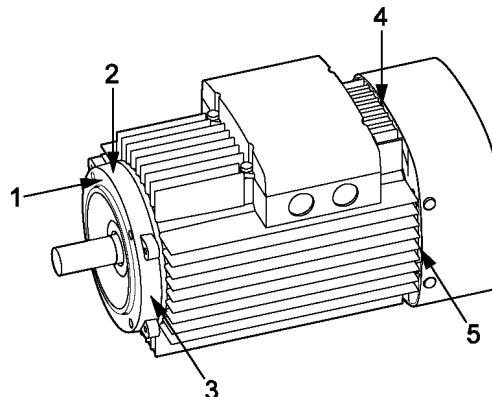
Remark: According to IEC 60034-14 the motor is tested at no load with all supply quantities at their rated value

Measuring equipment: BRUEL & KJAER TYPE 2250

Measuring method:

Mounting: Free suspension

Measuring point	[mm/s] RMS
1	0,70
2	0,55
3	0,90
4	0,75
5	0,60



Measuring points as indicated on the drawing

Limits of vibration severity

Vibration grade	Mounting	Frame size H in [mm]		
		56 <= H <= 132	132 < H <= 280	280 < H
A	Free suspension	1,6	2,2	2,8
	Rigid mounting	1,3	1,8	2,3
B	Free suspension	0,7	1,1	1,8
	Rigid mounting	--	0,9	1,5

Grade 'A' applies to machines with no special vibration requirements

Grade 'B' applies to machines with special vibration requirements

Initials: ALKU

File no.: 17.01.2025



Company name:

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Phone:

Date:

13/01/2026

On request MG71C 50 Hz

Sound Measurement Report Sound Power measurement according to DS/ISO-3743

Motor type: MG71C

Product number: On request

Fan diameter: D89 [mm]

P2: 0.55 [kW]

U: 400 [V]

Pole: 2

Frequency: 50 [Hz]

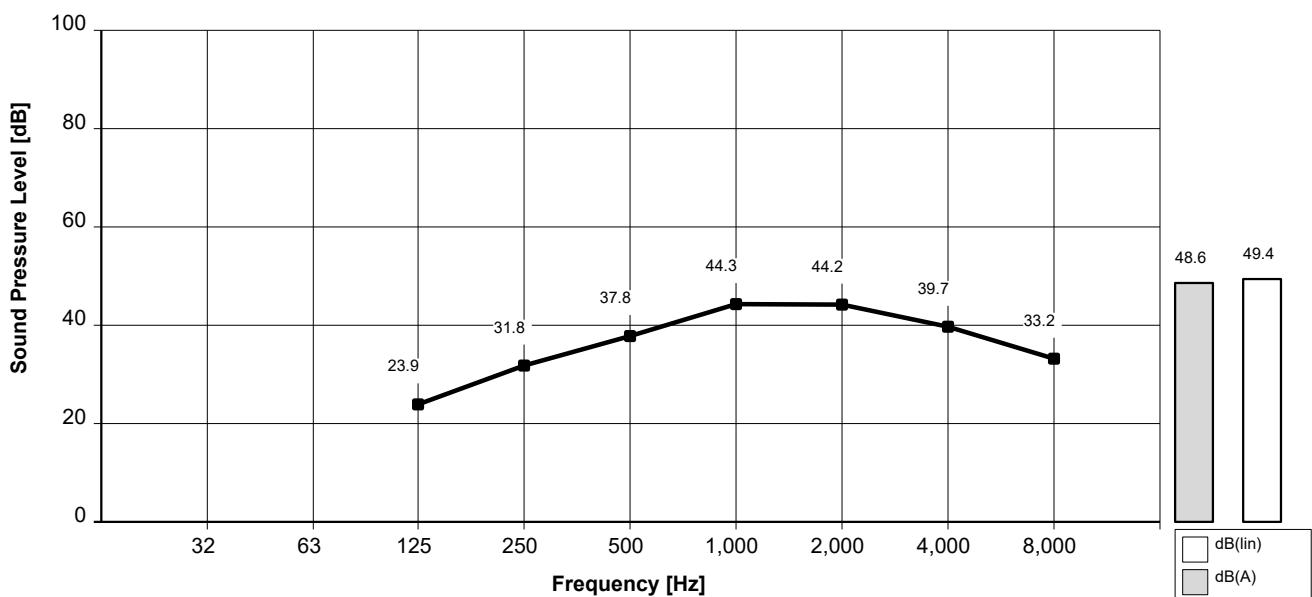
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

Tested at:

Octave Band Level [db]

Center Frequency	125	250	500	1000	2000	4000	8000	dB(A)	dB(lin)
Sound Power Level re: 1 pW	35,5	43,5	49,5	56,0	55,8	51,4	44,9	60,5	61,1
Sound Pressure Average at 1m. re: 20 UPa	23,9	31,8	37,8	44,3	44,2	39,7	33,2	48,6	49,4

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: ALKU

File no.: LY82864-25.01.2024



Company name:

Created by:

Phone:

Date: 13/01/2026

Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		MG71C	1	On request	