

Qty.	Description
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MG71C



Note! Product picture may differ from actual product

Product No.: On request

The motor is a 3-phase AC standard motor.

Technical:

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)

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 m²

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



Company name:

Created by:

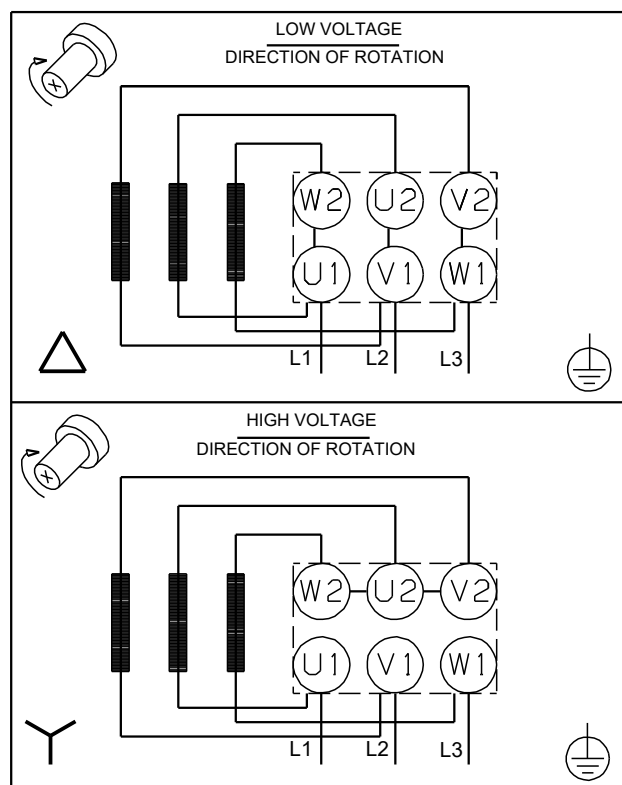
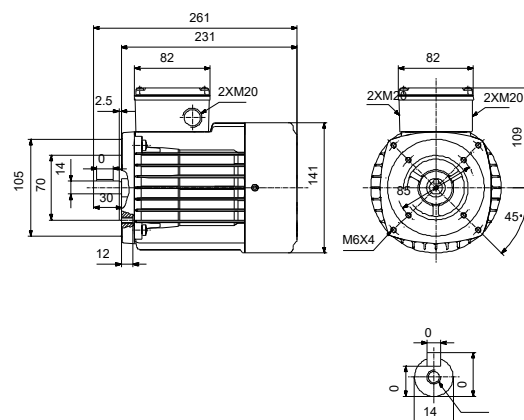
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Date:

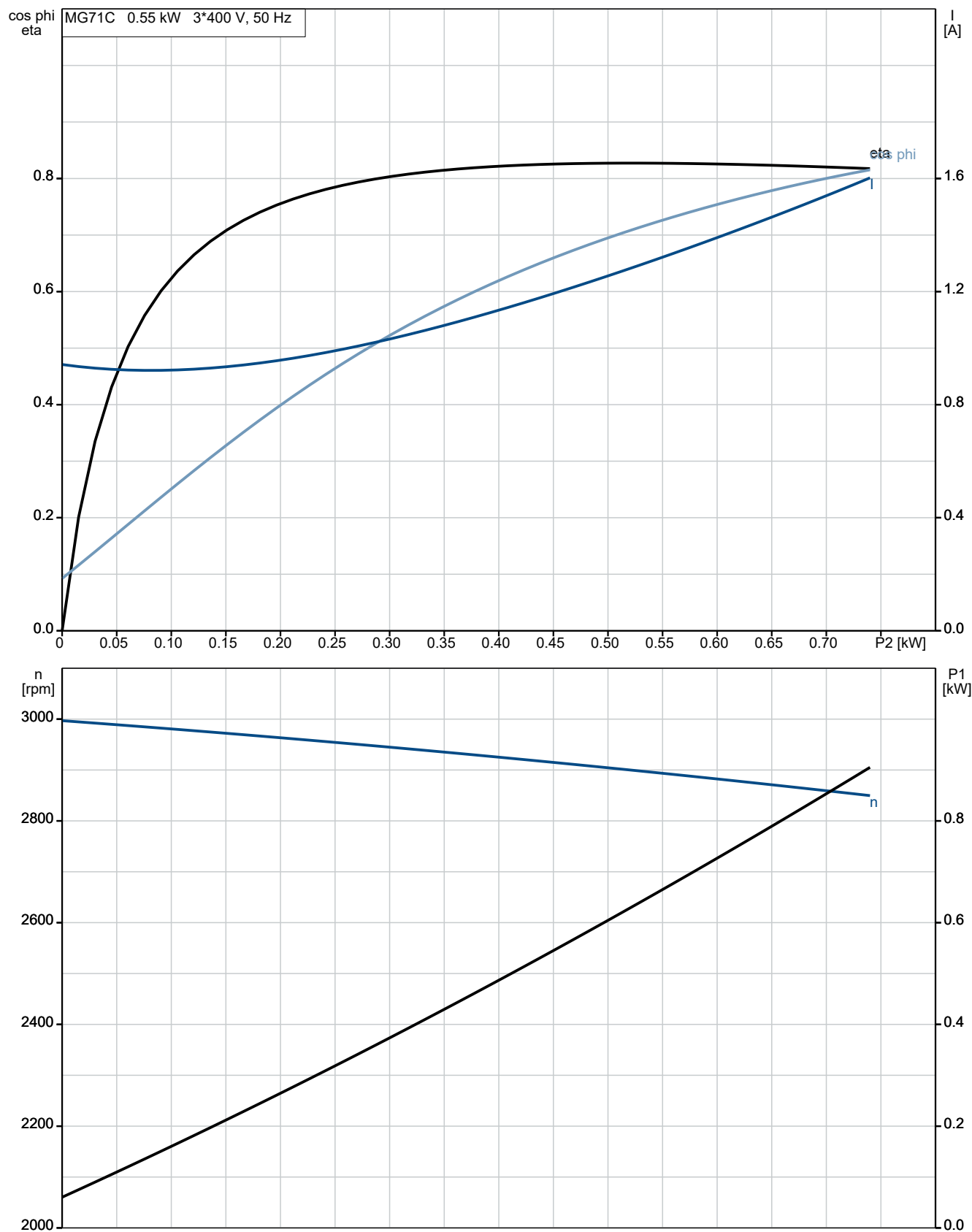
13/01/2026

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>

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	

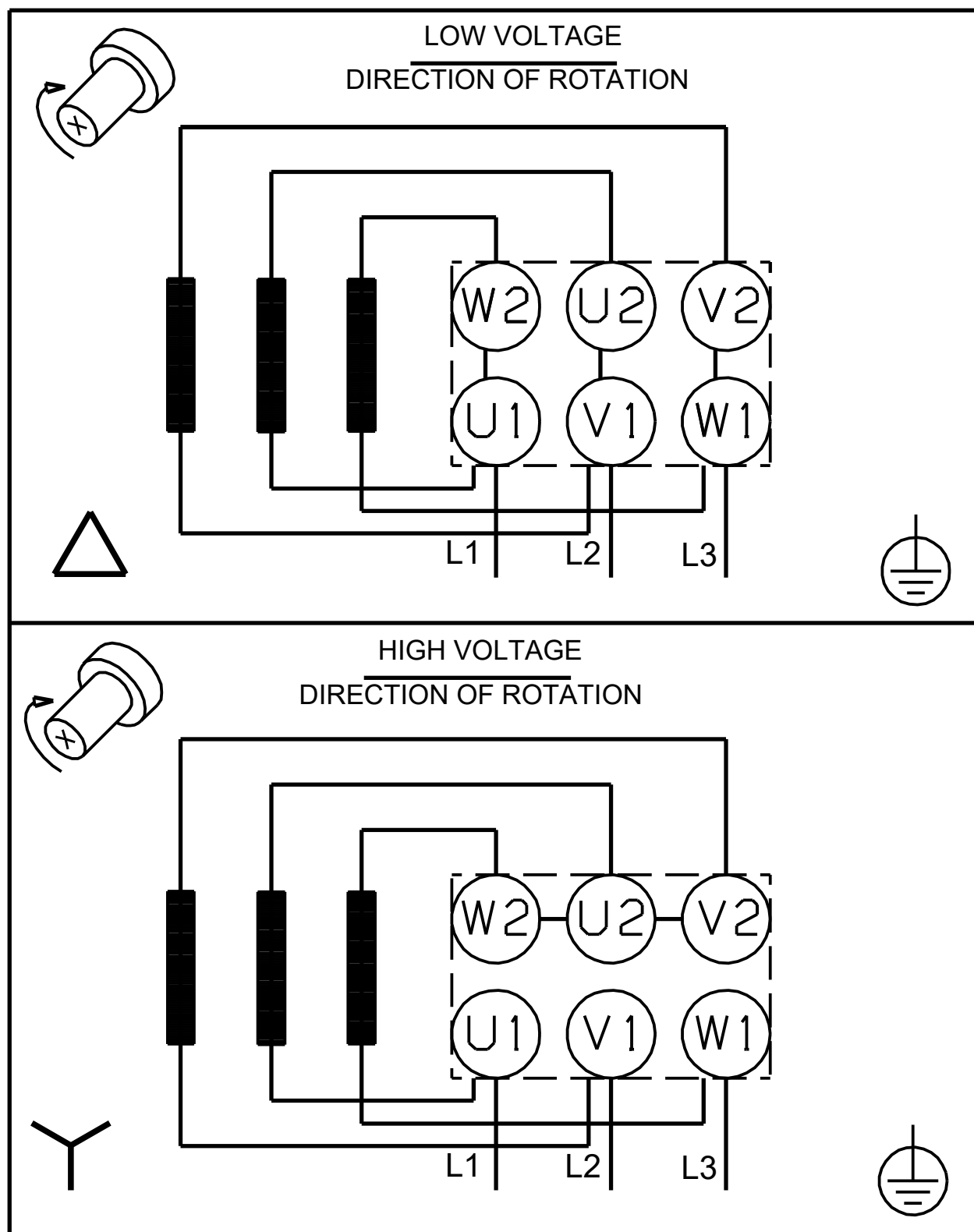


On request MG71C 50 Hz



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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

01/13/2026

Created by:

Phone:

Fax:

Project:

Client Number:

Contact:

Reference Number:



Electrical data:

Frequency	50 Hz	-
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	-
Wiring connection	D/Y	-
Rated motor current	1,34/0,78 A	-
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 /
Breakdown- / Rated motor torque	(50/60 Hz)	430-480 / %
Starting- / Rated motor torque	(50/60 Hz)	370 - 410 /

Mechanical data:

Noise measurements	(50/60 Hz)	48,6 dB(A)	-
Moment of inertia		0.00064 kg m ²	
Drain holes		Yes (open)	
Bearing DE		6204.2Z.C3	
Bearing NDE		6201.2Z.C3	
Bearing arrangement		NDE-locked	
Type of bearing DE		Steel ball	
Bearing seal DE		2Z (Cover plates)	
Characteristic of grease DE		Synthetic	
Type of bearing NDE		Steel ball	
Bearing seal NDE		2Z (Cover plates)	
Characteristic of grease NDE		Synthetic	
Regreasing device		Yes	
Type of lubrication		-	
Relubrication interval		-	
Quantity of grease for relubrication		-	
External earthing		NO	
Colour/type		NCS 9000 gloss 40+-10 /E-coat	

Explosion protection:

Type of protection WITHOUT (STANDARD)

Ambient conditions:

Ambient temperature	-30°C to 60°C
Altitude above sea level	1000 m
Approvals and specifications	IEC 60034

General data:

Frame size	71C
Type of construction	IM B14/V18
	Flange size FT85
Weight, without optional accessories	7 kg
Frame material	Aluminium
Degree of protection	IP 55 Dust/Jetting
Method of cooling, TEFC	IC 411
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	-
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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]

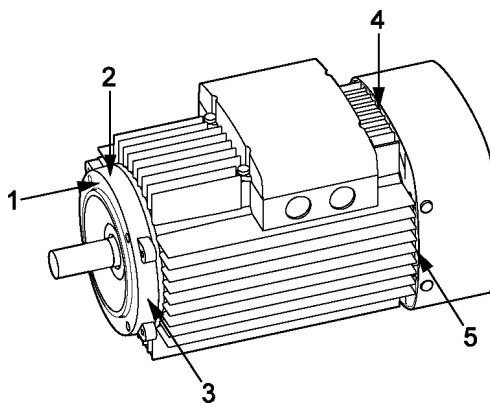
Remark: According to IEC 60034-14 the motor is tested at no load with all supply quantities at their rated value

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

Limits of maximum vibratio velocity from IEC 60034-14				
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
[mm/s] RMS				

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

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]

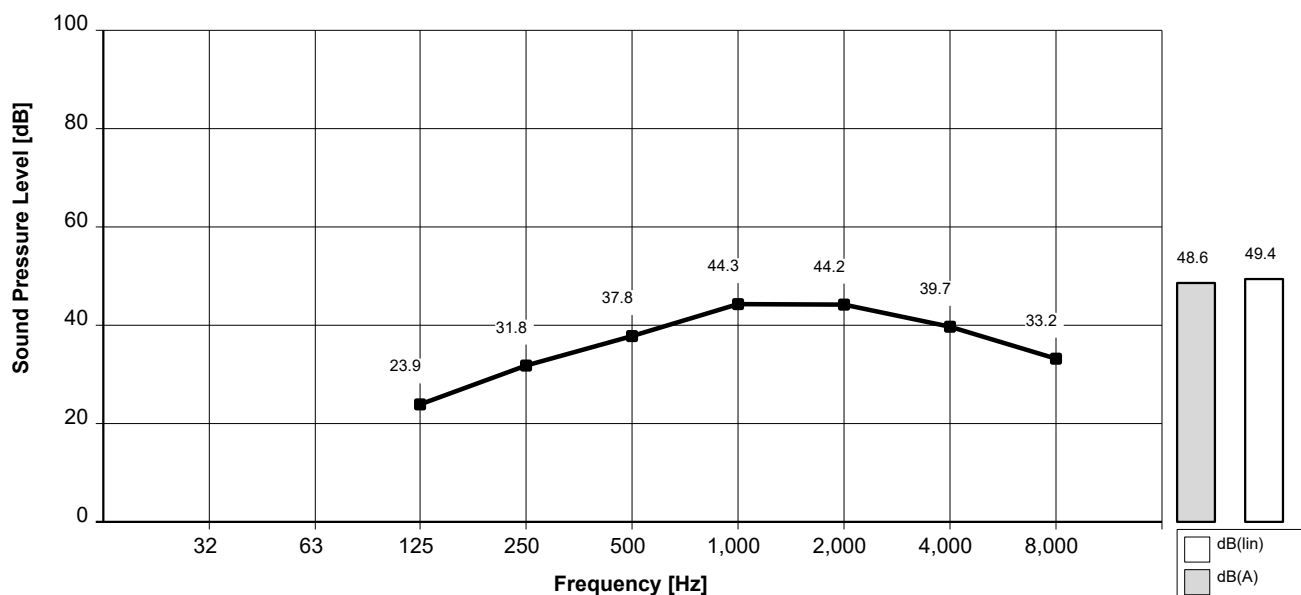
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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

