

XtraforsMSA AC Servomotors



Features

- Excellent torque/weight/volume/ratio
- Very compact
- Axial magnetic flux
- Low cogging torque

Power

- Torque from 1.4 to 30.0 Nm

Executions

- Wide range of standard models
- Customized versions
- Sizes 128.5 to 200 mm

XtraforsMSA, AC Servomotors

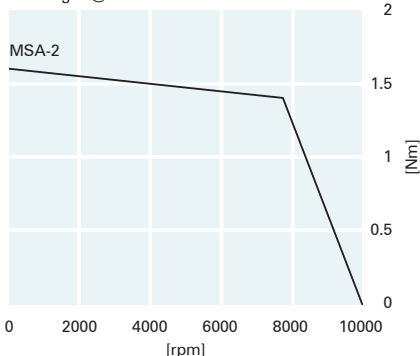
MSA series servomotors provide the user with a wide range of flat motors. Low inertia and reduced cogging torque guarantee an excellent performance.

Technical data

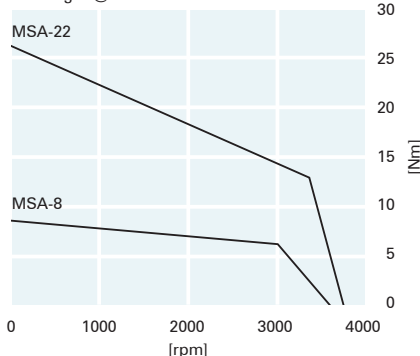
	Rated torque [Nm]	Rated speed [rpm]	Rated Current [Arms]	Peak speed Winding A		Peak speed Winding 4	
				@230VAC [rpm]	@400VAC [rpm]	Rated Current [Arms]	@400VAC [rpm]
MSA-2	1.4	7800	4.00	10000	10000	2.59	10000
MSA-8	6.5	3000	6.57	3650	8520	-	-
MSA-22	13.0	3300	13.98	3820	6000	7.98	3860
MSA-45	30.0	3000	17.86	-	-	17.86	3730

Torque curves

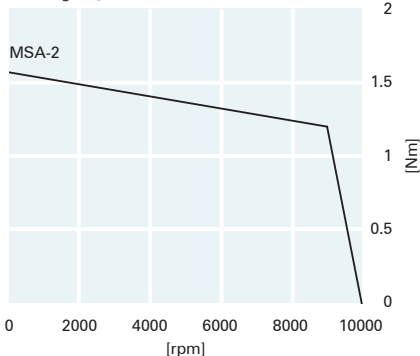
Winding A @230VAC



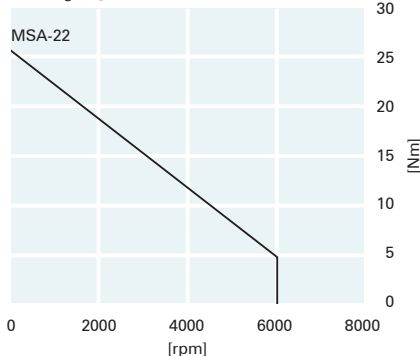
Winding A @230VAC



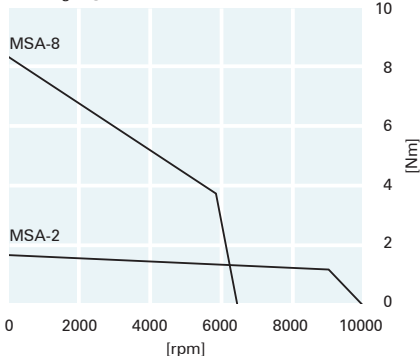
Winding A @400VAC



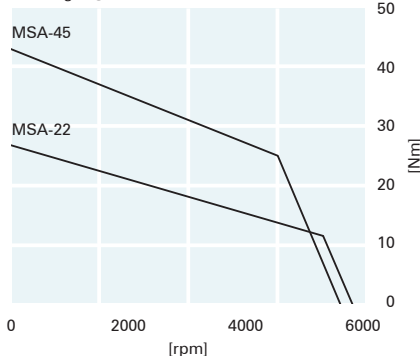
Winding A @400VAC



Winding 4 @400 VAC



Winding 4 @400 VAC



Standard version

- Resolver feedback
- Shaft with keyway
- Round flange (B14)
- Protection IP 65
- Angled connectors
- NTC thermal sensor
- 230VAC or 400VAC winding

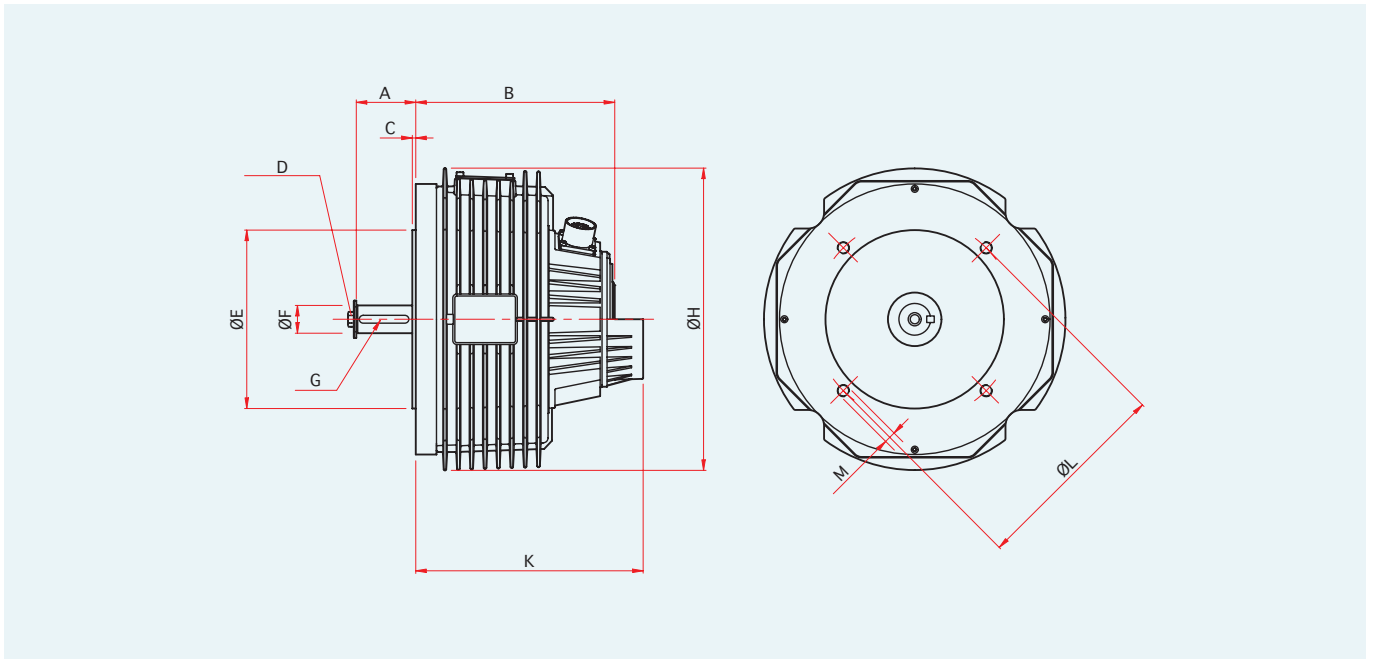
Options

- Shaft without keyway
- Shaft seal
- Square flange (B5)

Customized versions

- Various types of incremental encoders
SinCos encoders, Hyperface, EndDat
- PTC thermal sensor
- Winding
- Shaft
- Flange
- Special connectors and wiring

Mechanical dimensions



Dimensions [mm]		MSA-2	MSA-8	MSA-22	MSA-45
A		23.0	40.0	50.0	60.0
B		94.5	145.5	178.5	200.5
C		2.5	3.0	3.5	3.5
D	DIN 933	M4x8	M6x16	M8x16	M10x22
E Ø	j6	50	95	130	180
F Ø	k6	11	16	24	28
G	DIN 6885	A4x4x14	A5x5x30	A8x7x32	A8x7x50
H Ø		118	192	275	305
K	with brake	156.5	170.0	212.5	234.0
L Ø		65	115	165	215
M		4xM5	4xM8	4xM10	4xM12

Brakes

Torque	[Nm]	2	9	36	36
Tension	[VDC]				24 (+6% - 10%)

Addresses

Switzerland

Infranor SA
Rue des Uttins 27
CH-1400 Yverdon-les-Bains
Phone +41 24 447 02 90
Fax +41 24 447 02 91
www.infranor.ch
info.ch@infranor.com

Infranor AG
Glattalstrasse 37
CH-8052 Zürich
Phone +41 44 308 50 00
Fax +41 44 308 50 09
www.infranor.ch
info.ch@infranor.com

Germany

Infranor GmbH
Donaustrasse 19a
D-63452 Hanau
Phone +49 6181 18012 0
Fax +49 6181 18012 90
www.infranor.de
info.de@infranor.com

France

Infranor SAS
1, rue Georges Besse
F-92160 Antony
Phone +33 1 56 45 16 00
Fax +33 1 46 74 69 56
www.infranor.fr
info.fr@infranor.com

Spain

Infranor Spain SL
Occitània, 24
E-08911 Badalona
(Barcelona)
Phone +34 93 460 16 31
Fax +34 93 399 96 08
www.infranor.com
info.es@infranor.com

Benelux

Infranor B.V.
Burg. Houtkoperlaan 9
NL - 4051 EW Ochten
Phone +31 344 64 64 17
Fax: +31 344 64 26 96
www.infranor.nl
info.nl@infranor.com

England

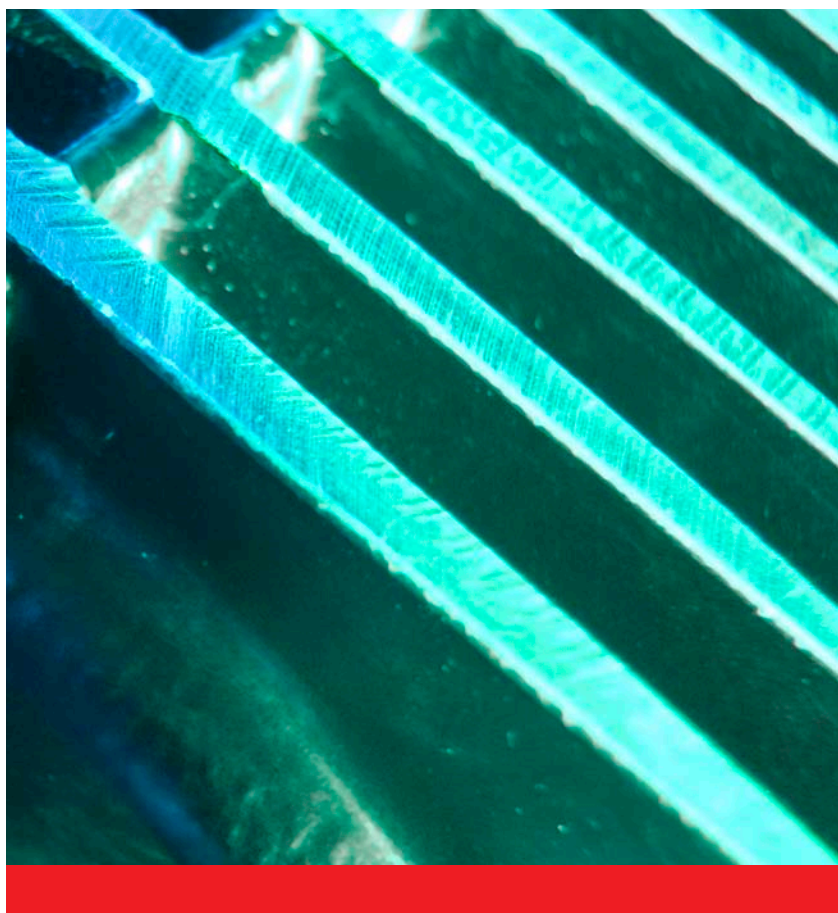
Infranor Ltd.
Studio 4, Building 555
Bentwaters Business Park
Rendlesham Suffolk
IP12 2TW
UK
Phone +44 1394 421 536
Fax +44 1394 421 192
www.infranor.com
info.uk@infranor.com

USA

Infranor, Inc.
299 Ballardvale Street Suite 4
USA-Wilmington, MA 01887
Phone +1 978 988 9002
Fax +1 978 988 9112
www.infranor.com
info.usa@infranor.com

China

**Infranor Motion Control
Technology (Shanghai) Co., Ltd.**
Room 601, No.448
Hongcao Rd
P. R. China
CN-200233 Shanghai
Phone +86 (0)21 6145 5455
Fax +86 (0)21 6145 5457
www.infranor.cn
info.cn@infranor.com



The Infranor Group

Infranor creates added value for its customers by providing tailor-made motion solutions.

Based on strong working relationships, Infranor offers extensive market know-how, comprehensive engineering skills and a wide range of high-quality products leading to productivity gains and therefore to comparative advantages for its customers in their respective markets.

The Infranor Brand

The Infranor Brand is a synonym for:

- Excellence
- Cooperation
- Added value