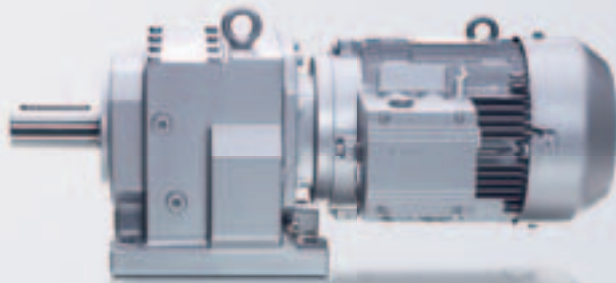




Best in power per kilo



Best in power per space

motox

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Short-term power improvements

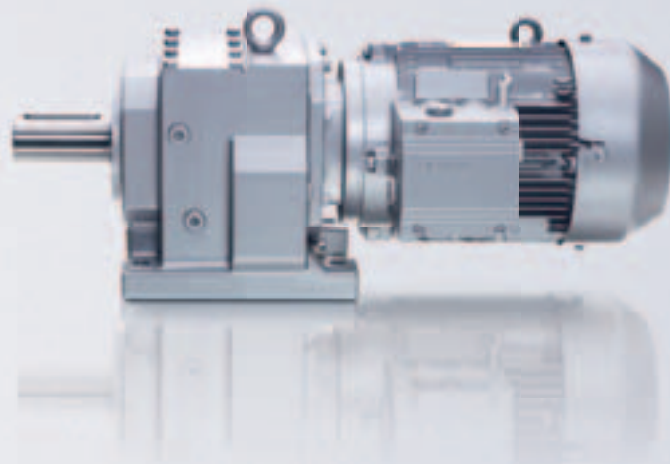
Complete range – it's your choice

Higher torque – benefit from the power

Practical modular system – remain flexible

Part of Totally Integrated Automation –
increase your competitiveness

100% service – we are always there for you

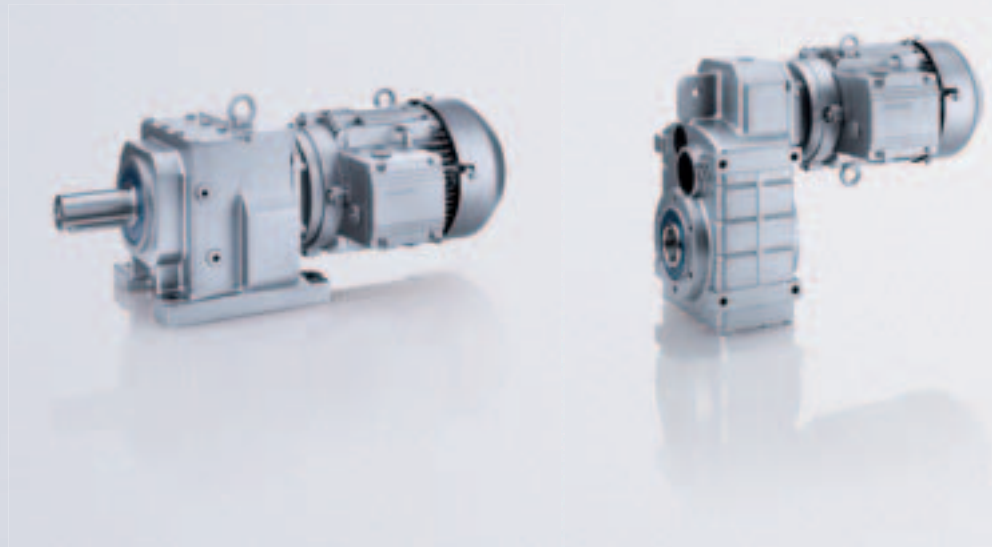


Long-term power improvements

Maximum power in minimum space – this is what our new MOTOX series of geared motors offers. Amongst others, these motors support output torques of up to 20,000 Nm and higher nominal gear torques than our competitors' geared motors of the same size. MOTOX rounds off our drive portfolio in the power range from 0.09 kW to 200 kW for all gear types.

Convince yourself of this power.

f.l.t.r.
Bevel helical geared motor
Helical worm geared motor
Helical geared motor
Parallel shaft geared motor
Worm geared motor



The Suitable Power for Your Application

When it comes to drives, we are not willing to compromise. With MOTOX, we offer a complete portfolio of geared motors, which comprises all conventional gear types and covers all drive applications. It contains suitable solutions for all requirements and supports considerably higher nominal gear torques than competitor products. Benefit from the comprehensive advantages offered by MOTOX.

Complete portfolio – the choice is yours

When we say complete, we really mean it. With the new MOTOX series of geared motors, we round off our drive portfolio to offer you all geared types for the power range from 0.09 kW to 200 kW – comprising helical, parallel shaft, bevel helical, helical worm as well as worm geared motors. With our comprehensive drive solutions, you can realize any and all applications in all sectors around the globe. Our geared motors consistently comply with all applicable international regulations.

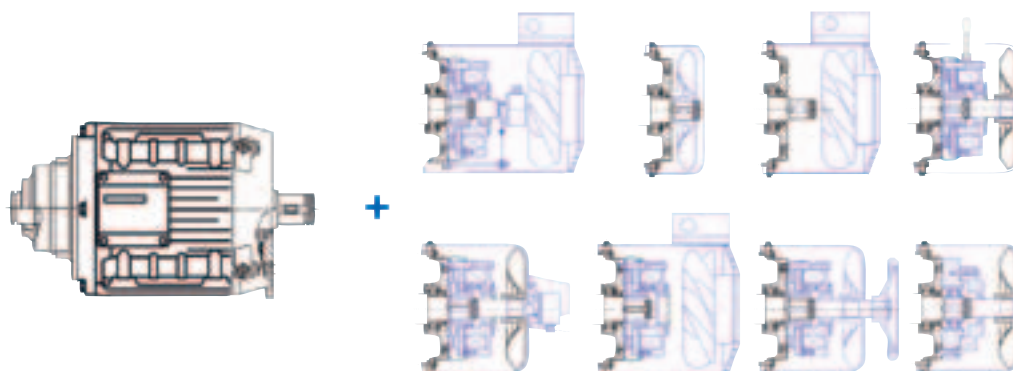
- The standard motors comply with the applicable IEC/EN standards.
- For export to the NAFTA market (USA, Canada, Mexico), we offer motors with the following specifications: electrical NEMA, UL, CSA.
- For export to China, we offer CCC-certified motors, for export to Russia GOST-R-certified gears and motors.
- Our highly efficient geared motors (Eff1 motors), which both comply with the EU regulations in accordance with CEMEP, as well as with the regulations of the North American market in accordance with the US EPACKT law, ensure an economical energy balance.
- For operation in explosive areas, we offer geared motors for Zones 1 and 2 (gas) as well as 21 and 22 (dust) in accordance with the EU directive 94/9/EC.



Practical modular system – maintained flexibility

We cater to your flexibility needs. Whatever your requirement: Our complete portfolio can be individually combined thanks to our modular system for geared motors, on the basis of which you can assemble all conventional designs and installation variants of geared motors. The support of manifold gear combinations facilitates adjustability to various drive situations.

On the motor side, MOTOX features a modular and logistically optimized design. Functional units such as brake, external fan and sensor can be mounted to an invariable short motor. As a consequence, MOTOX keeps you consistently flexible as the motor cannot only be expanded prior to delivery, but also later by further functional units.



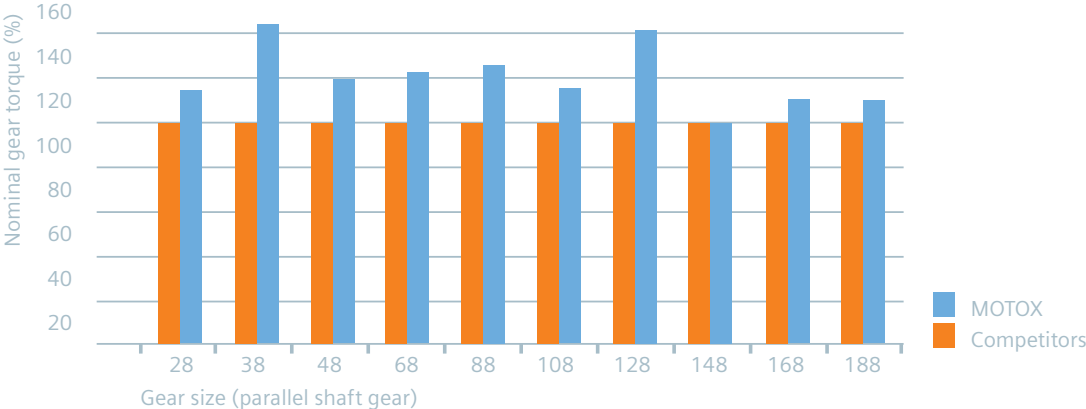
MODULOG principle

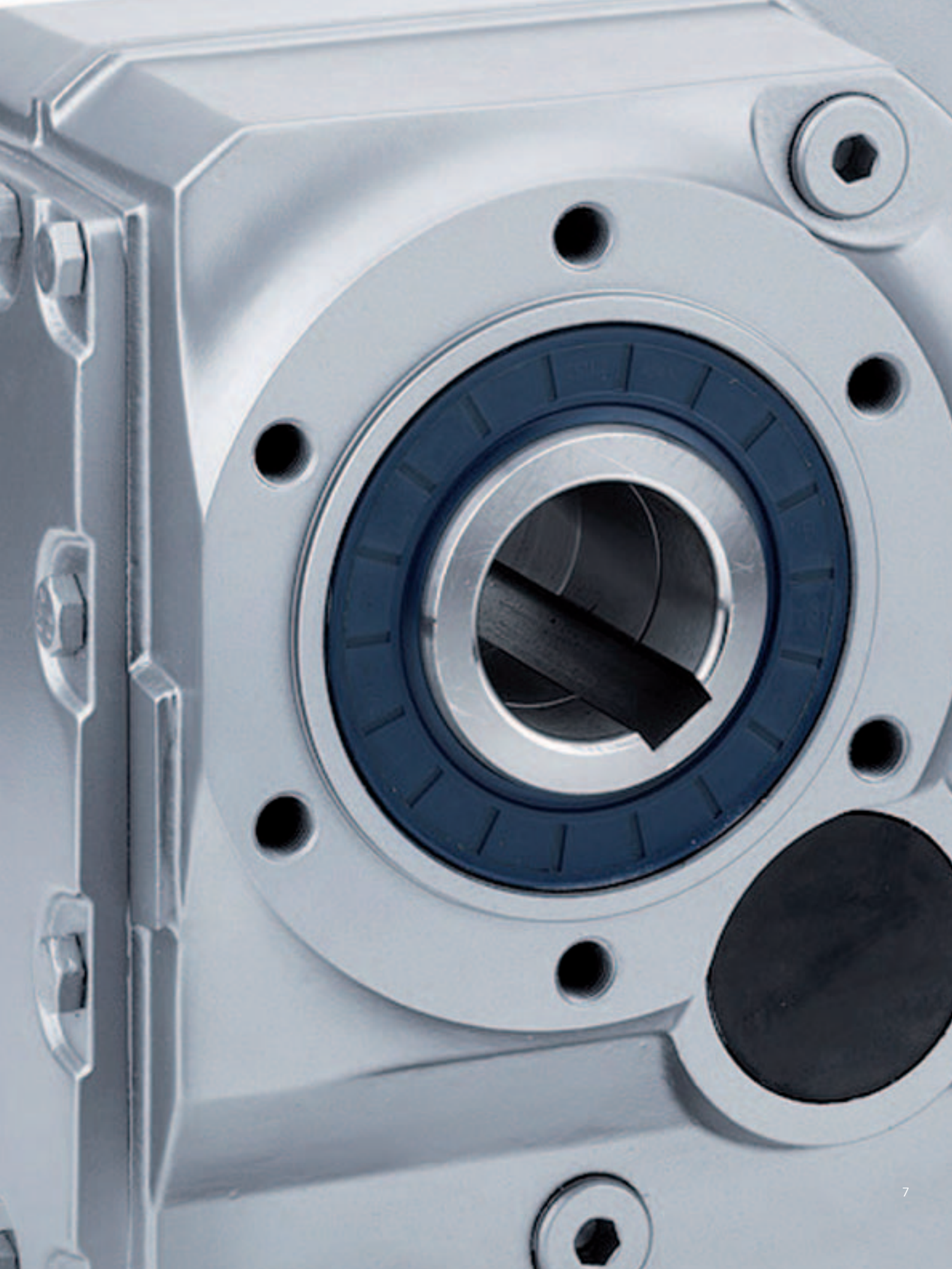
Maximum Power in Minimum Space

Higher torque – increased power

We reinforce our development efforts to render your applications even more profitable. Our new MOTOX series of geared motors stands out with its excellent technical performance, particularly when employed in conveyor, crane and lifting technology. Amongst others, these motors support output torques of up to 20,000 Nm and higher nominal gear torques than conventional geared motors of the same size. In addition, they facilitate an improved operating factor and thus an increased system availability and operational reliability.

Due to their special construction principle, the MOTOX geared motors attain a very high gear ratio. In many applications, this allows for more efficient solutions as one gear stage can be economized. Due to the greater ratio, you can also benefit from cost advantages by opting for the 4-pole standard motors instead of 6- or 8-pole motors. With MOTOX, you also decide in favor of low-noise geared motors as we were able to drastically reduce noise development through the low circumferential speed after the first gear stage.







Safeguarding the Future with Systems and Services

100% service – through permanent support






We want you to be on the safe side with MOTOX at all times. This is why we offer support services right from the start. Our comfortable electronic catalog already eases the selection and configuration of your application. You can rapidly and safely select the suitable geared motor, call up 2D and 3D CAD data in various file formats and directly process them in your construction.

The tool is available on the Internet at www.siemens.com/gearedmotors.

If you are facing a rather specific drive requirement, which cannot be met by our standard portfolio, we will be pleased to develop a customized solution. In addition, we offer comprehensive on-site support – from commissioning and maintenance down to fault rectification and service contracts. Our global regional contact partners ensure the availability of your machines and systems by rendering individual on-site services and providing suitable spare parts.



Overview of Geared Motors

					
	Helical geared motors	Parallel shaft geared motors	Bevel helical geared motors	Helical worm geared motors	Worm geared motors
Gear designation	E38 ...148; D/Z18 ...188	FZ/FD28 ...188	B28 ...38 / K38 ...K188	C28 ...88	SC36 ...63
Typical application areas	Agitator technology Conveyor technology Cooling tower drives	Conveyor technology Mixers Extruders	Crane technology Airport technology Storage technology	Theater and stage technology, waste water technology	Conveyor technology
Nominal gear torque	Up to 20,000 Nm	Up to 20,000 Nm	Up to 20,000 Nm	Up to 1,590 Nm	Up to 166 Nm
Maximum motor power	200 kW	200 kW	200 kW	11 kW	1.5 kW
Number of gear sizes	11	10	10	5	3
Number of ratios	1-/2-/3-stage	2-/3-stage	2-/3-stage	2-stage	1-stage
Number of ratios double gears	4-/5-/6-stage	4-/5-/6-stage	5-/6-stage	4-/5-stage	--
Gear ratio single-stage	1.360 ... 14.455	--	--	--	7 ... 100
Gear ratio 2/3-stage	3.07 ... 359.30	3.80 ... 449.21	3.57 ... 307.24	9.67 ... 440.70	--
Gear ratio double gear	207 ... 71,317	299 ... 71,388	181 ... 60,115	324 ... 33,491	--
Sector-specific solutions*	Agitator variant Cooling tower variant	Mixer variant Extruder variant	Mixer variant Extruder variant Variant for electric monorail overhead conveyors	Variant for electric monorail overhead conveyors	Variant for washing bays

* not available in all gear sizes

**Inform yourself on our products for comprehensive
and efficient drive solutions!**

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