

Industrial Motors

Commercial &
Appliance Motors

Automation

Digital &
Systems

Energy

Transmission &
Distribution

Coatings

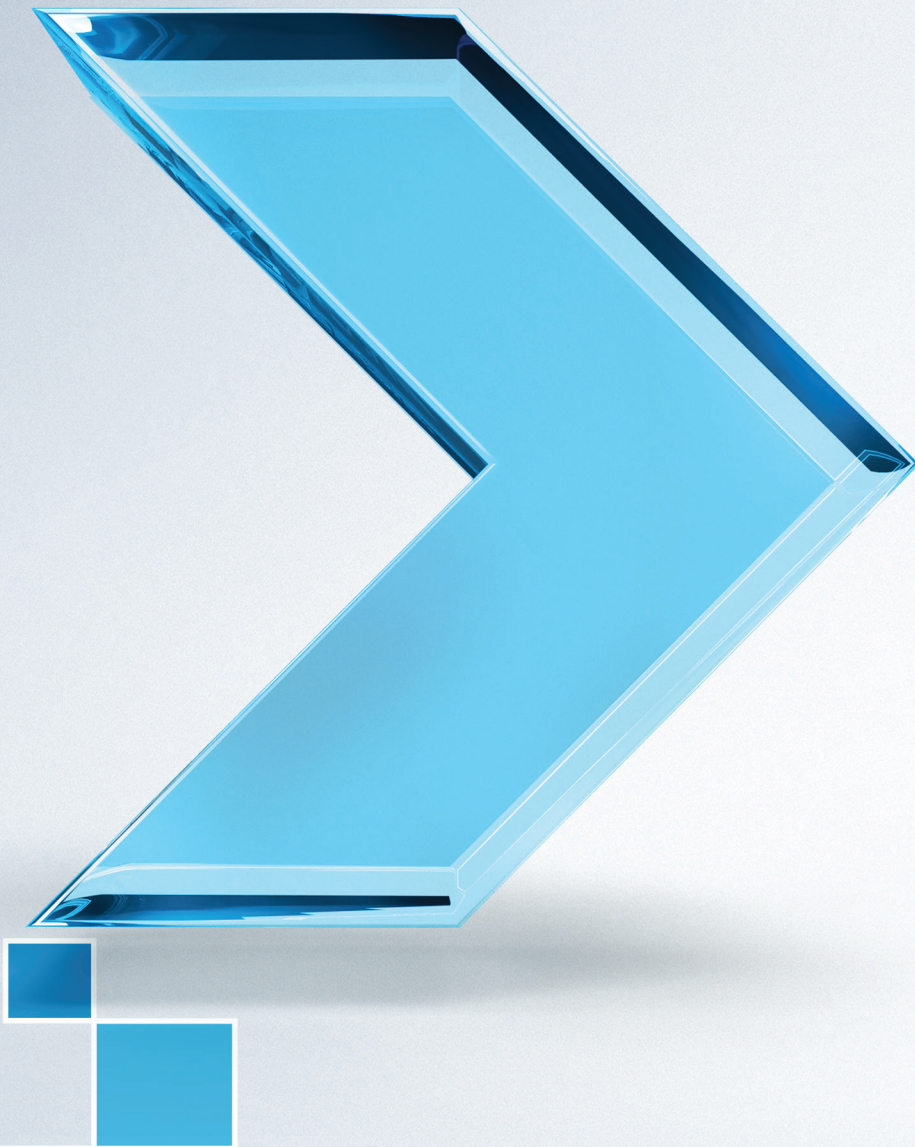
W80 AXgen

Axial Flux
Technology
European Market



Driving efficiency and sustainability





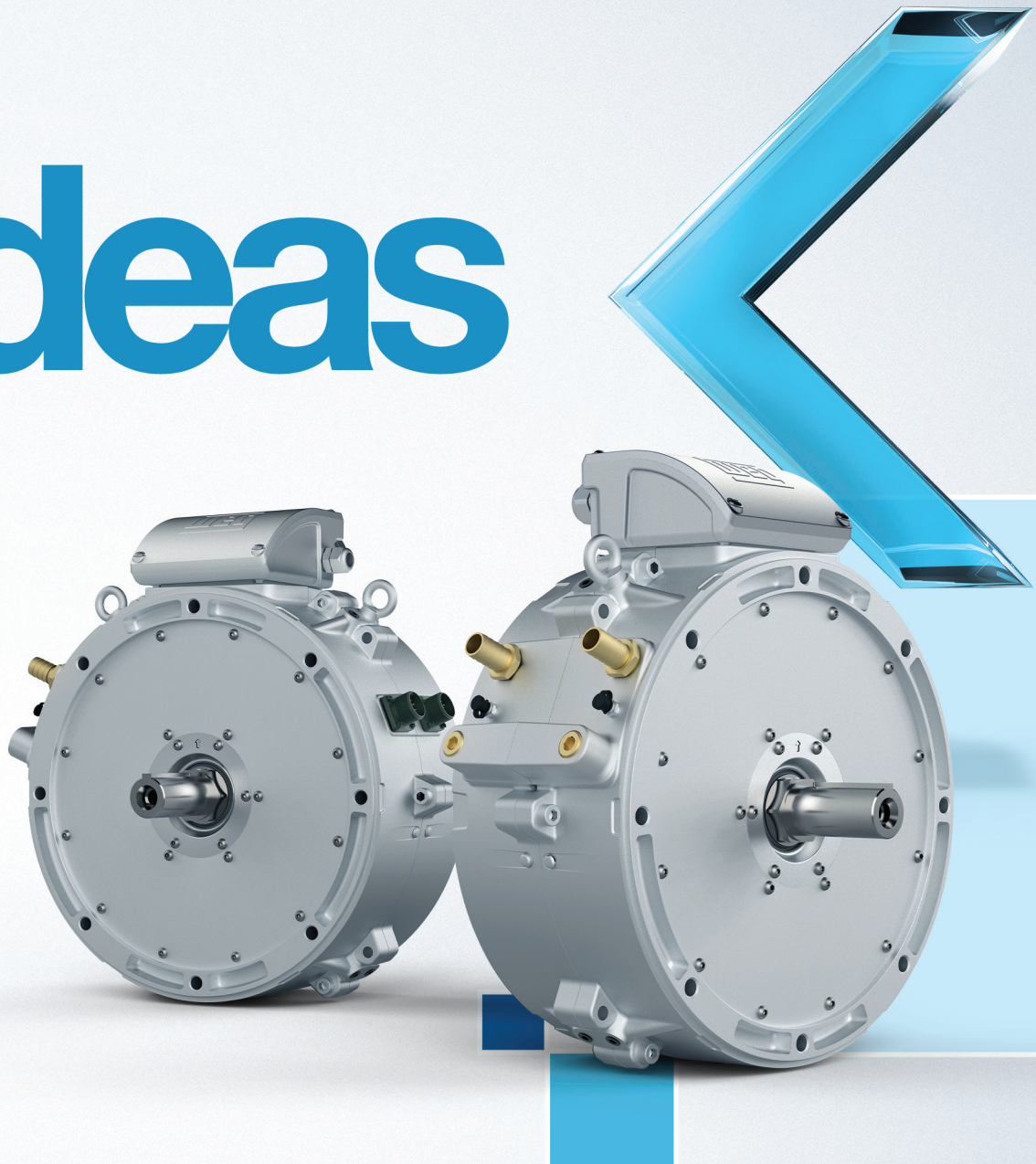
Motors for
new

W80 AXgen

Axial Flux Technology

The **W80 AXgen** is a motor that enables OEM partners to push forward with their own new ideas. Compact in design, big in possibilities, this solution allows for downsizing, reducing logistical costs and helping to avoid CO₂ emissions across the entire production chain. A solution designed to create opportunities for today's challenges and those that are yet to come.

/ ideas



Driving efficiency and sustainability



Be part of the **new ideas** that will change the **industry tomorrow**

Electrical data

Frame	Speed range [rpm]		Torque [Nm]
	Lower	Higher	
160	1500	7500	32.5
180	1500	5800	130
200	1500	5200	265
225	1500	4700	460
250	1500	3700	637

Note: for speeds outside the indicated range, please contact WEG.

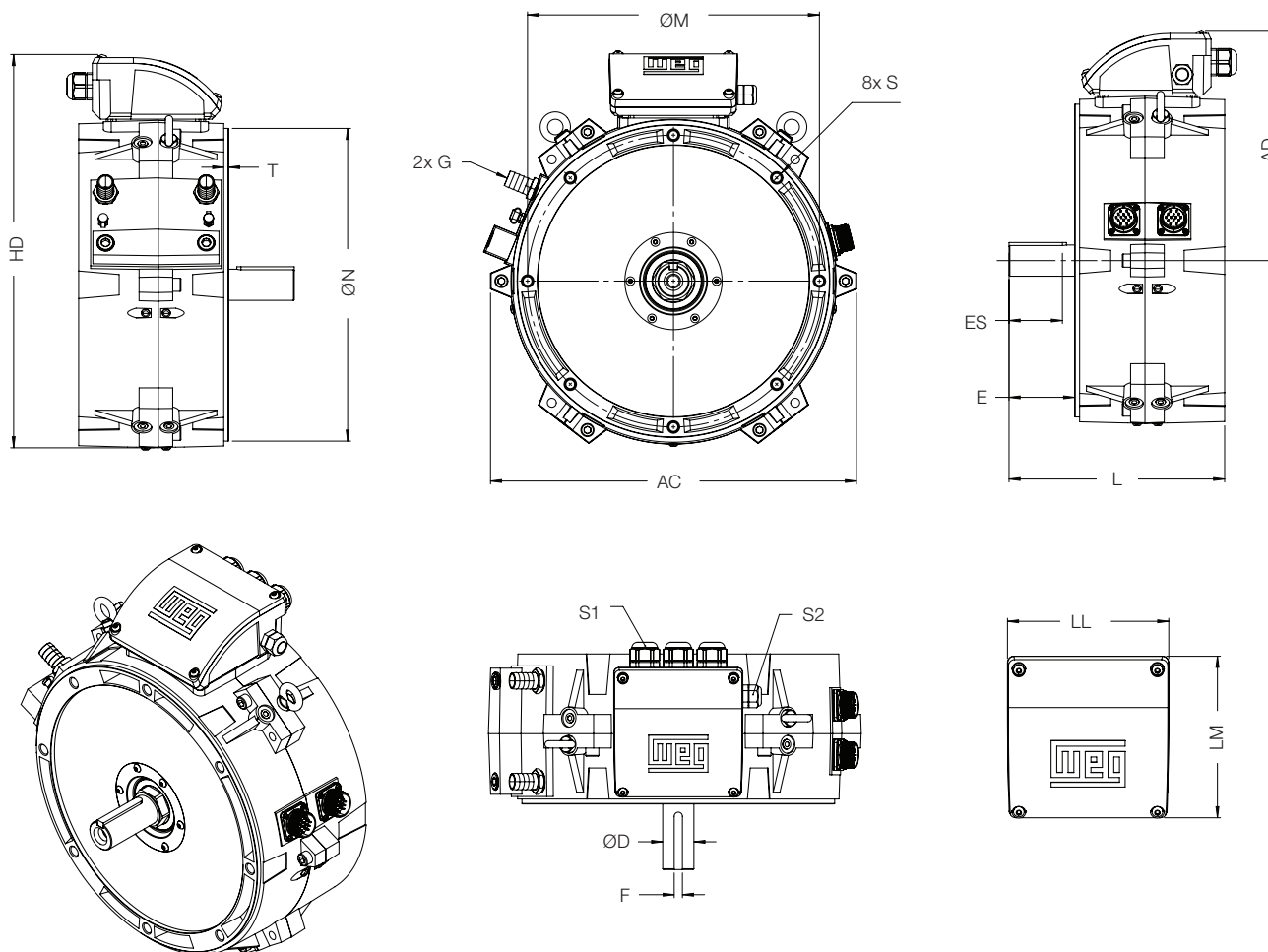
All designs are suitable for operation at:

- Constant torque range = 1000:1
- Constant power range = 1.3x nominal speed

IE5 - IEC SF 1.00							
Frame	Power [kW]	Speed [rpm]	Voltage [V]	Current [A]	Efficiency [%]	Mass [kg]	Inertia [kg m ²]
160	9.2	3000	400	15.1	93.70%	25.2	0.0085
180	37	3000	400	68.1	95.80%	45.6	0.0277
200	75	3000	400	144.5	96.50%	69	0.0461
225	132	3000	400	218.1	97.1%	85.2	0.0757
250	200	3000	400	343.1	97.2%	135.3	0.1760
160	5.5	1500	400	9.5	93.40%	25.2	0.0085
180	15	1500	400	26.3	95.10%	45.6	0.0277
200	45	1500	400	93.7	96.30%	69	0.0461
225	70	1500	400	115.9	96.8%	85.2	0.0757
250	90	1500	400	161.6	96.9%	135.3	0.1760

Mechanical data

Overall dimensions - IEC [mm]																			
Size	External				Flange				Shaft				Cooling	Terminal box				Bearings	
	AC	AD	HD	L	N	M	T	S	D	E	ES	F	G	LL	LM	S1	S2	D.E.	N.D.E.
160	304	205	338	175	254	234.95	5	5/16	19	40	32	6	1/2	120	120	M16	M12	7206	7206
180	363	232	393	219	304.8	279.4	5	3/8	28	60	45	8	1/2	120	120	M20	M16	7208	7208
200	401	262	442	266	342.9	317.5	5	3/8	38	80	70	10	5/8	155	155	M25	M20	7209	7209
225	446	281	478	295	381.00	355.60	6	1/2	42	110	80	12	3/4	155	155	M25	M20	7210	7210
250	545	342	585	307	469.90	431.80	6	5/8	48	110	80	14	3/4	178	178	M32	M25	7212	7212



Cooling system

- Fluid: water (fresh, deionized...) and oil (ISO VG up to 46).
- Flow rate: from 5 to 15 l/min.
- Inlet pressure: up to 10 bar.

The W80 AXgen is recommended for OEMs.



Compact de

Motors for
new ideas.

W80 AXgen

Axial Flux Technology

Welcome to a compact way of thinking big. The **W80 AXgen** is designed to enable OEM partners to explore new ideas for their products. Developed by WEG, this solution offers ease of application and a high degree of scalability, creating opportunities for today's challenges and those that are yet to come.

sign



Driving efficiency and sustainability



The scope of WEG Group solutions
is not limited to products and solutions
presented in this catalogue.

To see our portfolio, contact us.

**For WEG's worldwide
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The values shown are subject to change without prior notice.
The information contained is reference values.