

Industrial Motors

Commercial &
Appliance Motors

Automation

Digital &
Systems

Energy

Transmission &
Distribution

Coatings

W80 AXgen

Axial Flux
Technology
European Market



Driving efficiency and sustainability





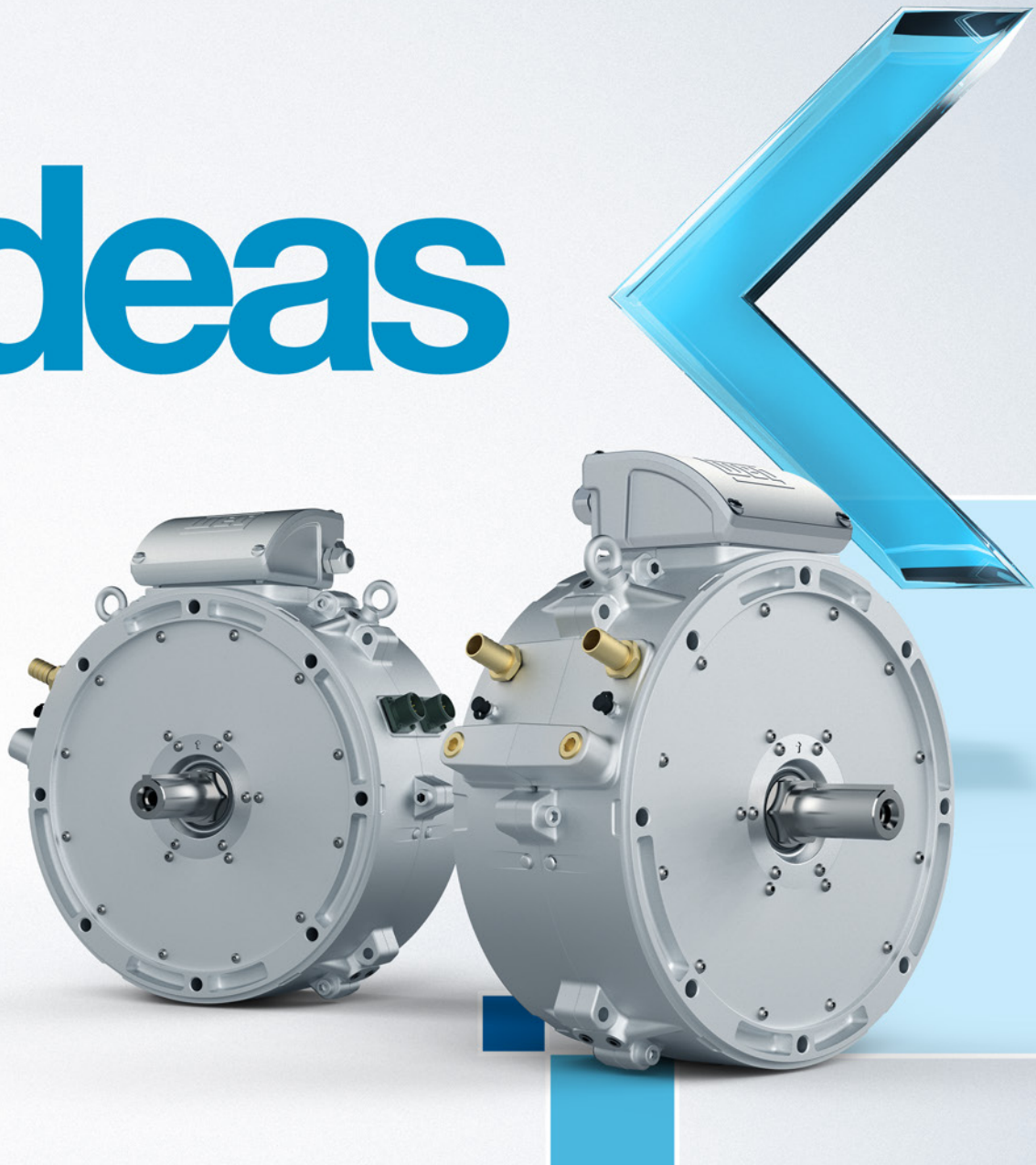
Motors for
new

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.

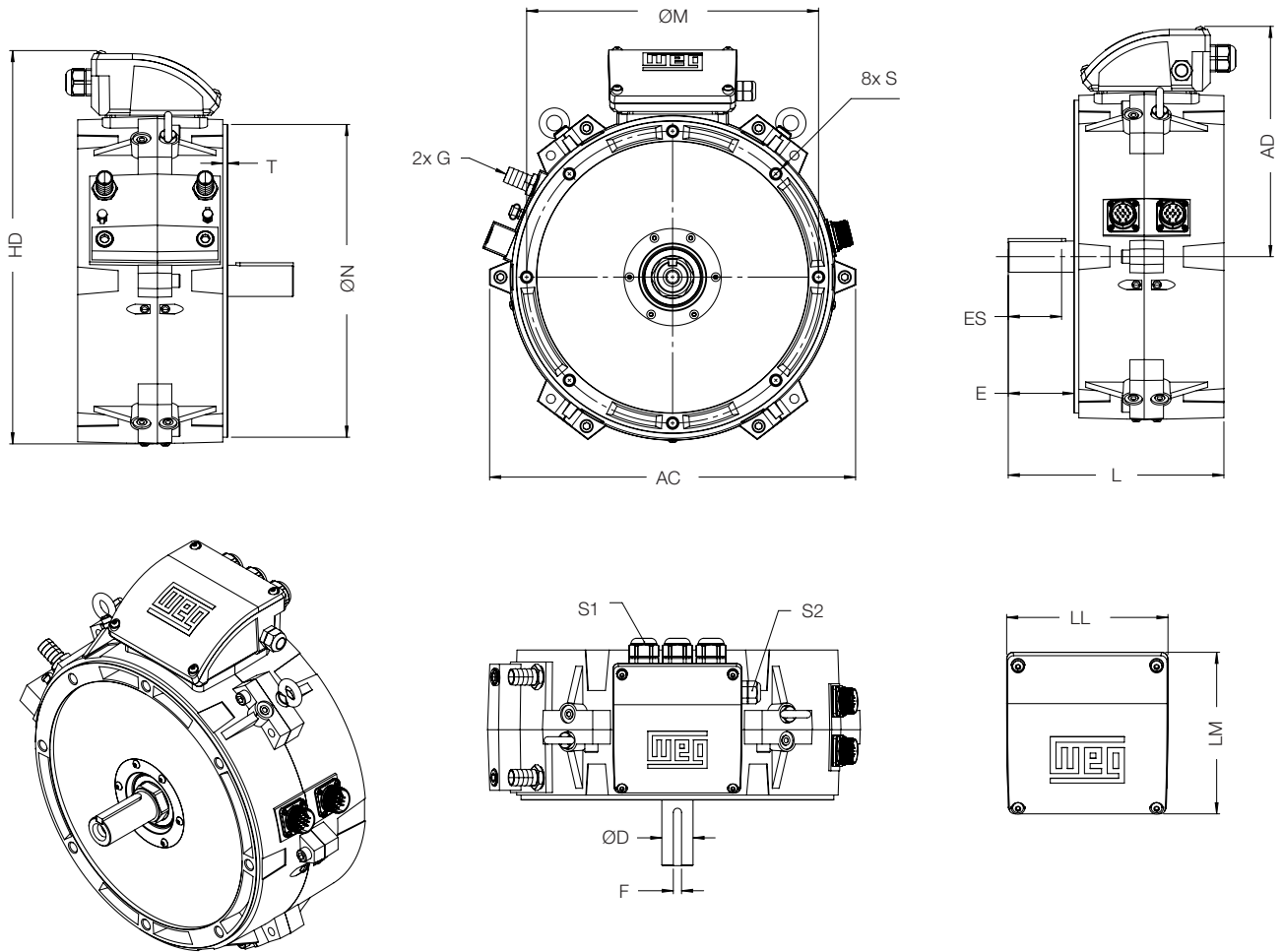
All designs are suitable for operation at:

- 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]
160	9,2	3000	400	15,6	93,7%	25,5
180	37	3000	400	63,9	95,8%	42,8
200	75	3000	400	128,3	96,4%	62,4
225	132	3000	400	218,1	97,1%	85,0
250	200	3000	400	343,1	97,2%	136,6
160	5,5	1500	400	9,4	93,4%	25,5
180	15	1500	400	28,3	95,1%	42,8
200	55	1500	400	94,6	96,5%	62,4
225	70	1500	400	115,9	96,8%	85,0
250	90	1500	400	161,6	96,9%	136,6

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	210	345	171	254,0	228,6	5	3/8	19	40	28	6	1/2	119	119	M16	M12	7206	7206
180	361	236	396	201	304,8	279,4	5	3/8	28	60	45	8	1/2	119	119	M20	M16	7208	7208
200	393	257	433	249	336,6	311,2	5	3/8	38	80	63	10	5/8	157	157	M25	M20	7209	7209
225	443	279	478	295	381,0	355,6	6	1/2	42	110	80	12	3/4	157	157	M25	M20	7210	7210
250	545	342	585	303	469,9	431,8	6	5/8	48	110	80	14	3/4	180	180	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 operations visit our website



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Cod: 50143609 | Rev: 01 | Date (m/y): 12/2024.

The values shown are subject to change without prior notice.
The information contained is reference values.