



ENERGY



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# 40 YEARS OF **EVOLUTION**



AMER SpA is a family-owned company, founded in 1974, specialized in manufacturing AC and DC motors, gearmotors and traction systems for battery-powered vehicles and applications. Strongly customer oriented, we have been developing, since the early beginning, tailor-made solutions to our customers, worldwide.

Challenging every circuit.  
Always on the track with you.

SIMPLY  
**YOU**  
WITH **US**





# A GLOBAL GROUP



Amer Group is a global enterprise with 6 production facilities throughout northern Italy and Switzerland. 3 well-integrated branches provide sales, distribution & after-sales support around the world.

This network has been growing for 40 years, thanks to our commitment, to small daily improvements and especially to the strategic choice to reinvest our profits in Research & Development and facilities.

Our comprehensive custom solutions, such as **generators, electronic control systems, DC motors, traction and linear motion systems**, have been developed to carefully satisfy our international partners' needs.

Thanks to them, and to a tight-knit team that shares the company vision, we have become an important key player and a worldwide point of reference.

**Many people talk about innovation, but only a few can claim to be really innovative.**



**Francesco Battistella**, *Chairman - AMER S.p.A.*



# A CONSTANT **GROWTH**

Building the new AMER headquarters in Valdagno, North Italy.  
Another milestone for a strategic growth.

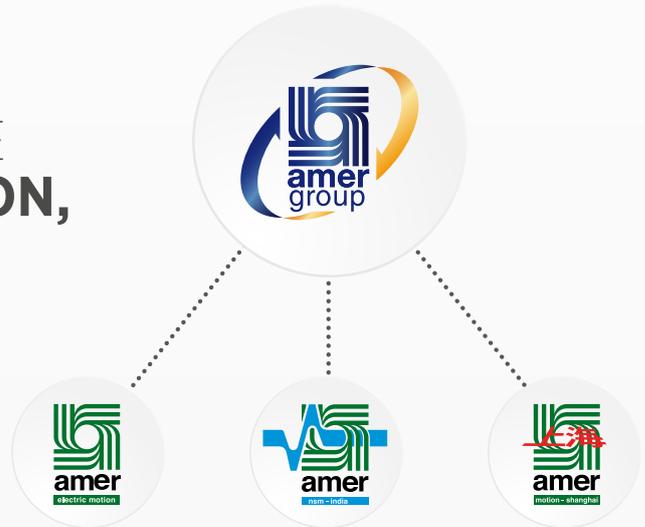


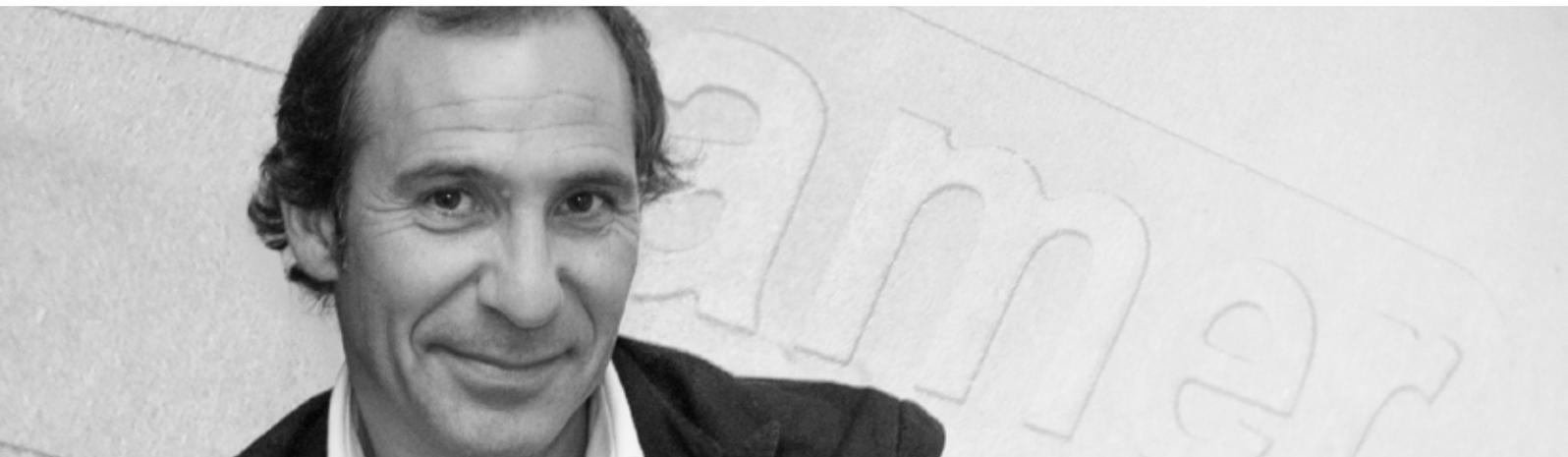
# OUR PRESENCE



## MANUFACTURING FACILITIES

## WORLDWIDE DISTRIBUTION, TECHNICAL SUPPORT





THE VALUE OF  
**PEOPLE** BEHIND  
THE PRODUCT.

Today we talk about the world, borders have no sense anymore.

Being a leader in the global market means to be present where the market calls, prepared to satisfy customer requirements, with people able to solve needs at 360 degrees.

To make this happen, to get the best results, you need to work in Team.

Behind every Amer product, every goal, there is the energy and the work of a group of people prepared to face, at their best, the challenges that the market offers.

**Lorenzo Venegoni**  
*Export Manager - AMER S.p.A.*



## ALL IN **ONE HAND**

Every single component is developed and double checked within the Group. From copper to packaging, from assembly to final test. On all our motors, gearmotors and traction solutions, we are able to maintain the **highest quality standards**, to meet our customers' expectations.



## **CUSTOM** AS A STANDARD

AMER is a dynamic company that develops out-of-standard and customized solutions. Thanks to a high skilled professional team, our projects are developed in co-design with the customers, to guarantee high quality results. We deliver a **different approach** for the solution: our components can be modified according to your needs, you don't need to modify your product to install ours!



## **R&D**, OUR DAILY BUSINESS

A strong focus on research and continuous investments in technology, allow us to be one step ahead. This makes AMER an attractive partner for Companies trying to undertake new projects in all market applications. At AMER we don't only think about R&D, we work together within the Companies of the Group, to provide seamlessly integrated solutions to all our partners.

It's a matter of **teamwork!**  
Are you ready for new challenges?



## DELIVERY AS A **NEW START**

Every production phase, from the design and selection of materials through to manufacture and after-sales assistance, complies with the strictest international and organization standards. The delivery of the finished product is just the beginning of a new work-in-progress!





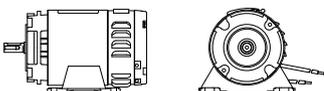
Model	Voltage	RPM	Output Power	Duty	Protection class
	[V]		[W]		
<b>DC Permanent Magnet</b>					
MP56	12 ÷ 180	on request	15 ÷ 200	S1 - S2 - S3	IP20 - IP44
MP75	12 ÷ 180	on request	15 ÷ 400	S1 - S2 - S3	IP44
MP80	12 ÷ 180	on request	200 ÷ 750	S1 - S2 - S3	IP20 - IP44
MP100	12 ÷ 180	on request	550 ÷ 1500	S1 - S2 - S3	IP20 - IP44
MP135	12 ÷ 180	on request	750 ÷ 2500	S1 - S2 - S3	IP20 - IP44
<b>DC Shunt Wound</b>					
CA80	12 ÷ 48	on request	180 ÷ 1000	S1 - S2 - S3	IP20 - IP44
CA100	24 ÷ 48	on request	380 ÷ 1000	S1 - S2 - S3	IP44
CA119	24 ÷ 180	on request	750 ÷ 2200	S1 - S2 - S3	IP20 - IP44
<b>DC Brushless</b>					
BL70	12 ÷ 280	on request	180 ÷ 1100	S1 - S2 - S3	IP44
BL80	12 ÷ 280	on request	300 ÷ 3500	S1 - S2 - S3	IP44

Ø Diameter: min 78mm - max 193mm

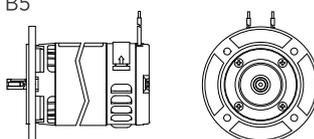
On request: electromagnetic brake, electronic driver, encoder.

## STANDARD FRAMES

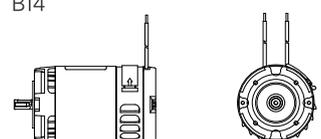
B3



B5



B14



**CUSTOM FRAMES AVAILABLE ON REQUEST**



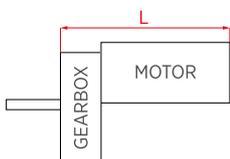
Model	Voltage		RPM	Output Power [W]	Gearbox	Type L [mm]
	DC [V]	AC				
MRP5	12 ÷ 180	---	on request	400 ÷ 800	parallel axis	max 250
MRP4	12 ÷ 180	---	on request	100 ÷ 600	parallel axis	max 300
MRP6	12 ÷ 180	115 - 230	on request	200 ÷ 1100	parallel axis	max 300
MRP10	12 ÷ 180	115 - 230	on request	400 ÷ 1100	parallel axis	max 350
MRP12	12 ÷ 180	---	on request	400 ÷ 600	parallel axis	max 300
MRP14	12 ÷ 180	---	on request	300 ÷ 1100	parallel axis	max 250
MRP15	12 ÷ 180	115 - 230	on request	200 ÷ 1100	parallel axis	max 300
MRP15BL	12 ÷ 180	---	on request	300 ÷ 1500	parallel axis	max 180
MRP17	12 ÷ 80	---	on request	150 ÷ 500	parallel axis	max 200



On request: electromagnetic brake, electronic driver, encoder.

## OVERALL DIMENSIONS

Parallel axis



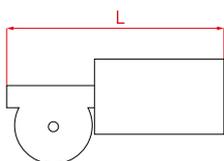


Model	Voltage		RPM	Output Power	Gearbox	Type
	DC [V]	AC				
AOMPI25	12 ÷ 24	---	on request	50 ÷ 100	right angle worm gear	max 200
AOMPI40	12 ÷ 180	115 - 230	on request	40 ÷ 350	right angle worm gear	max 300
MRO7	12 ÷ 180	---	on request	200 ÷ 600	right angle worm gear with disengagement lever	max 300
EPMP56	12 ÷ 180	---	on request	15 ÷ 120	planetary gearbox	max 250

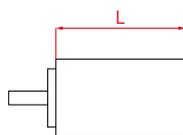
On request: electromagnetic brake, electronic driver, encoder.

## OVERALL DIMENSIONS

Right angle worm gear



Planetary gearbox

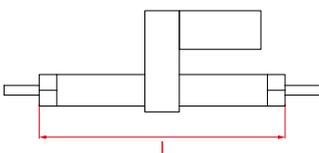




Model	Voltage		RPM	Output Power [W]	Gearbox	Type L
	DC [V]	AC				
 AOMPDIF	12 ÷ 180	---	on request	40 ÷ 350	right angle worm gear	custom
 MRP13D	12 ÷ 180	---	on request	60 ÷ 350	parallel axis	custom
 MRP4DS	12 ÷ 180	---	on request	100 ÷ 600	parallel axis	custom
 MRP9D	12 ÷ 180	---	on request	100 ÷ 600	parallel axis	custom
 MRP8D	12 ÷ 96	12 ÷ 96	on request	400 ÷ 1500	parallel axis	custom
 MRP11	12 ÷ 96	12 ÷ 96	on request	300 ÷ 1000	parallel axis	max 400

On request: electromagnetic brake, electronic driver, encoder.

## OVERALL DIMENSIONS



# MOTOR WHEELS

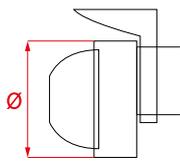
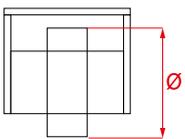


Model	Wheel [Ø]	Max speed [Km/h]	Voltage [V]	Output Power [W]
<b>Permanent Magnet DC Motor Wheel</b>				
MTRMP 250	250	8	12 ÷ 96	800
MTRMP 300	300	10	12 ÷ 96	1100
<b>DC/AC Motor Wheel - Shunt Wound - Brushless</b>				
MTR11 200	200	6	12 ÷ 96	600
MTR11 230	230	6	12 ÷ 96	600
MTR11 250	250	8	12 ÷ 96	900
MTR11 300	300	10	12 ÷ 96	1500
MTR11 350	350	12	12 ÷ 96	2500



Upon request MTRMP: brake solutions, electromagnetic brake, band brake, disk brake, encoder, manual/electric steering system, electronic driver.  
 Upon request MTR11: electromagnetic brake, encoder, wheel material, electronic driver.

## OVERALL DIMENSIONS



# STEERING SYSTEMS



Model	Transmission	Voltage [V]	Optional **
BY HAND	chain with tensioner	---	shaft custom
ELECTRIC	chain with tensioner	12 ÷ 48	encoder, controller for steering system, electronic driver



\*\* Upon request.



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