

**ELECTRIC
POWER SUPPLY**



ELECTRIC



■ GEMELS Electric Power Supply

GEMELS GREEN POWER MANUFACTURING

Gemels series of electric motors, designed and produced in Italy, consists in AC three-phase torque motors, available in different models with power from 2 kW to 100 kW, from 48V to 400V, and up to 10.000 RPM.

■ GREEN POWER SUPPLY

A subset of renewable energy to provide the highest environmental benefit.

■ HIGHEST RELIABILITY

High safety and trustworthy products that operate in a defined environment without failure.

■ ECOLOGICAL ENVIRONMENTAL IMPACT

Products focused on prevent of the ecological impact on world environment.

■ NOISE REDUCTION AND EMISSIONS-FREE

Products without waste of pollution in the environment.

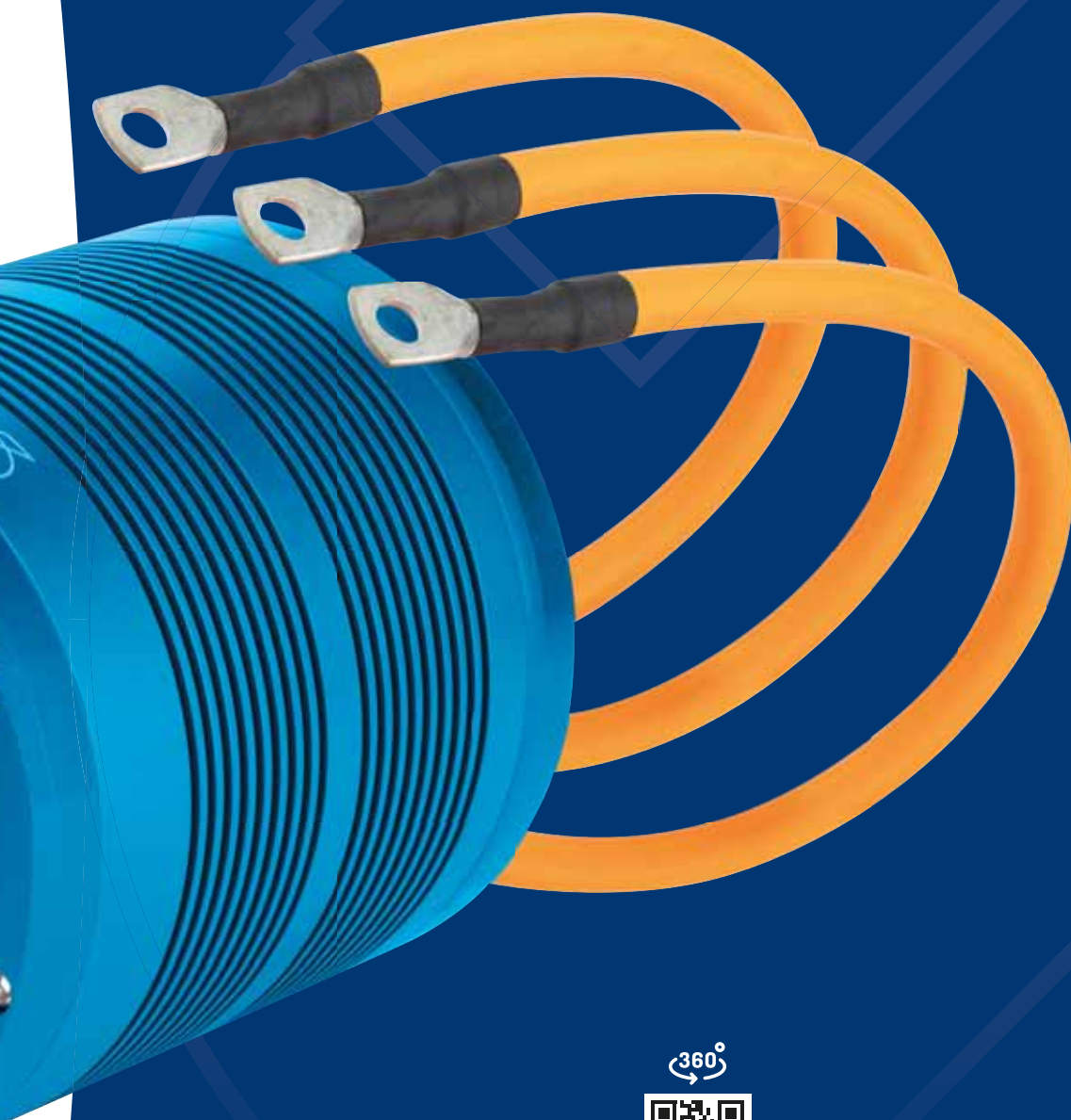
■ LOW-MAINTENANCE

No necessity to do big maintenance, efforts, time, on the plant.





G R E E N P O W E R M A N U F A C T U R I N G



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Motors can be designed for traction solutions, Hydraulic power units (pump interfaces) and with standard flanges (IEC/ NEMA), air and liquid cooling, power cables with motor connection box or directly connected to the winding.

■ GEMELS Electric Power Supply

Customized design and production

ELECTRIC MOTORS

POWER UNITS

- with pump and electric motor
- 48 Volt | 16 kW | 4000 RPM



■ **ELECTRIC MOTOR WHEELS FOR AGV AND LGV FIELDS**



APPLICATIONS & SOLUTIONS

Gemels electric motors, are designed for different applications: agriculture, earth moving, construction, cleaning, material handling, lifting equipment, transfer carts, automotive, e-mobility and many others.

WEIGHT AND DIMENSIONS

These motors allow to reduce considerably weight and dimensions, even at 60% compared to common electric motor and reach important performances with efficiency at nominal conditions equal to 97%.

ENERGY SAVING

Products with a sensible reduction on consumption of energy to have higher life's quality.

HIGHER POWER AT LESS RPM

High torque value even at low RPM.

COMPACT DIMENSIONS

Small and compact products.

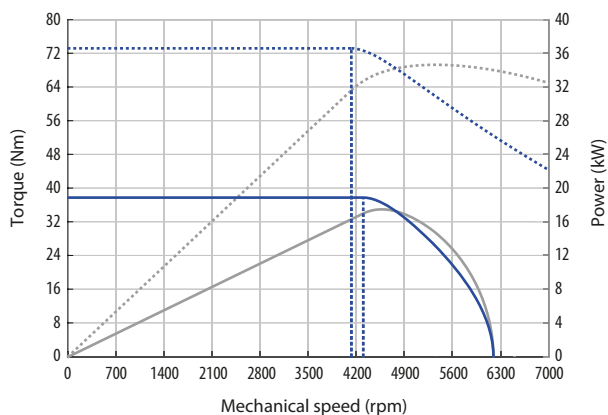
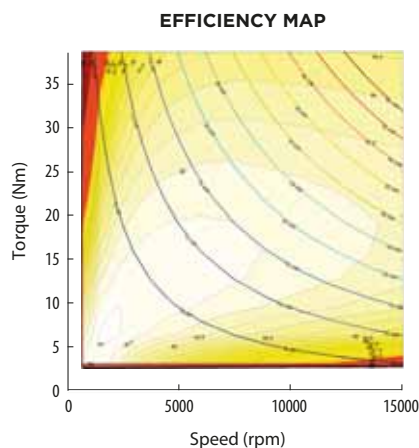


GEMELS Electric Power Supply

Technical data

	Model name GEPG05	Rated power (kW) at 48Vdc 2000RPM	Rated power (kW) at 72Vdc 3000RPM	Rated power (kW) at 96Vdc 4000RPM	Rated torque (Nm)	Cooling	IP	Technical features
GEPG05	GEPG05_04K	2 kW	3 kW	4 kW	10 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	Modular aluminium or steel structure from 2kW to 42kW suitable for services HYDRAULIC UNITS 0-8000 RPM 48-400 Volt
	GEPG05_06K	3 kW	4,5 kW	6 kW	15 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	
	GEPG_H_06K available with Hydraulic Pump	3 kW	4,5 kW	6 kW	15 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	
	GEPG05_10K	5 kW	7 kW	10 kW	23 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	
	GEPG05_16K	8 kW	12 kW	16 kW	38 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	
	GEPG_H_16K available with Hydraulic Pump	8 kW	12 kW	16 kW	30 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)	
	GEPG05_12K	6 kW	9 kW	11,5 kW	28 Nm	LIQUID	IP54 (on request IP67)	
	GEPG05_16K	8 kW	11,5 kW	15,5 kW	37 Nm	LIQUID	IP54 (on request IP67)	
	GEPG05_20K	10 kW	14,5 kW	19,5 kW	47 Nm	LIQUID	IP54 (on request IP67)	
	GEPG05_24K	12 kW	18 kW	24 kW	58 Nm	LIQUID	IP54 (on request IP67)	
	GEPG05_36K	18,5 kW	24 kW	36 kW	88 Nm	LIQUID	IP54 (on request IP67)	
	GEPG05_42K	21 kW	32 kW	42 kW	100 Nm	LIQUID	IP54 (on request IP67)	

Diagrams from model GEPG05_04K to model GEPG05_42K



Customized on request

Modular aluminium or steel structure from 42kW to 50kW
suitable for services - HEAVY HANDLING
0-10000 RPM / 96 - 400 Volt

Modular aluminium or steel structure from 50kW to 100kW
suitable for traction - HEAVY TRACTION
0-10000 RPM / 400 Volt



GREEN
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MANUFACTURING



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GEMELS S.p.A.

Via Gambirasio, 20/22
24069 Trescore Balneario (Bergamo) - ITALY
tel. (+39) 035 940 445 fax. (+39) 035 945 205
gemels@gemels.it

GEMELS NORTH AMERICA INC.

Billing Address

1800 West Loop South - Suite 1740 - Houston, TX 77027

Warehouse & Distribution Center

35 Watterson St. - Dayton, OH 45417
northamerica@gemels.com
www.gemels.com



gemels.it

