

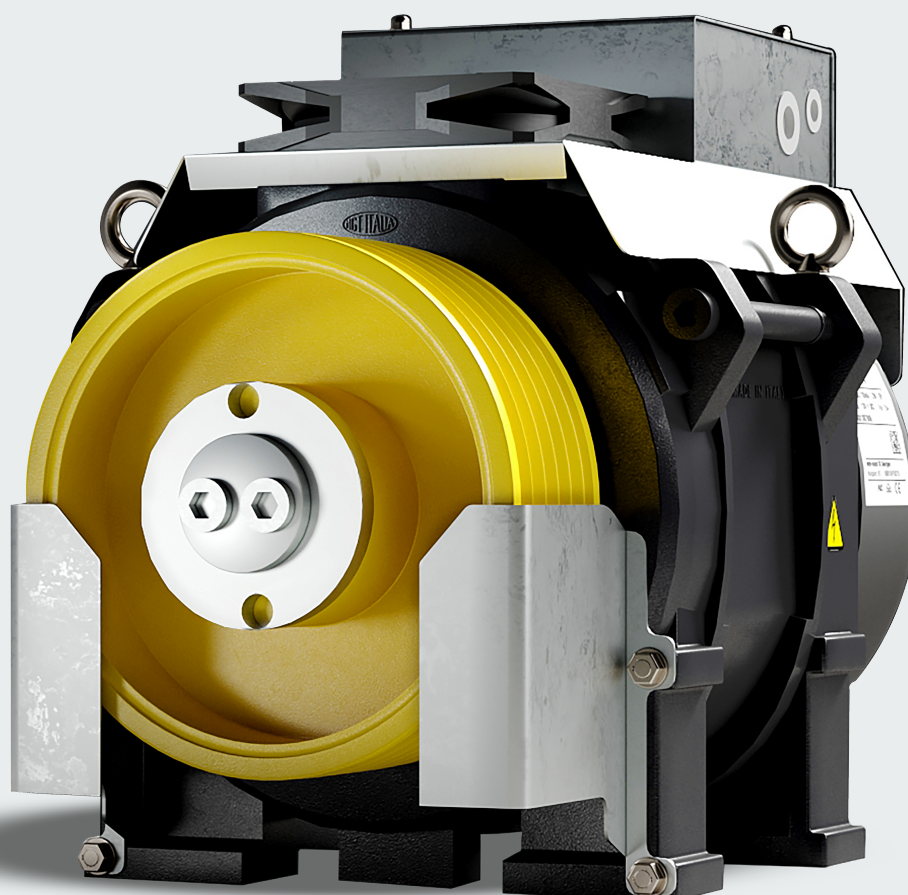


ITALIAN
QUALITY



Elevator Engines Catalogue

2024



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MGT Italia, a leader
in innovative lifting
solutions, offers a
complete range
of geared and
gearless engines
designed for the
most demanding
applications.

With a commitment to quality and customer satisfaction, our products are engineered to perform and built to last. From concept to completion, MGT Italia is your trusted partner in achieving excellence in motion.



Company Overview

Founded in

1960

MGT Italia has been at the forefront of innovation in the field of motorized winch systems and lifting solutions. With a focus on delivering high-quality geared and gearless engines, MGT Italia is committed to meeting the diverse needs of the global market.

Commitment to Quality

Every product at MGT Italia undergoes stringent testing to ensure it meets our high standards for safety, efficiency, and durability. We are dedicated to continuous improvement, ensuring that our engines remain at the cutting edge of technology and performance.

Rigorous Research

Our products are designed to combine durability with performance, ensuring they meet the stringent demands of modern lifting applications. Each engine is the result of rigorous research and development, followed by meticulous manufacturing processes that adhere to the highest standards of quality.

Global Reach

With a strong presence in both domestic and international markets, MGT Italia serves a wide range of industries, from construction to manufacturing. Our tailored solutions and customer-centric approach have earned us the trust of professionals worldwide.

Our Mission

➤ To provide reliable, efficient, and innovative lifting solutions that empower our clients to achieve operational excellence.

Geared Engines



MGT Italia's geared engines are engineered for precision, reliability, and efficiency. Designed to meet the highest standards of performance, our geared engines are the ideal solution for a wide range of lifting applications, from construction to industrial operations.



Compact
Design



optimized for variable
load capacities



Suitable for
space-constrained
environments

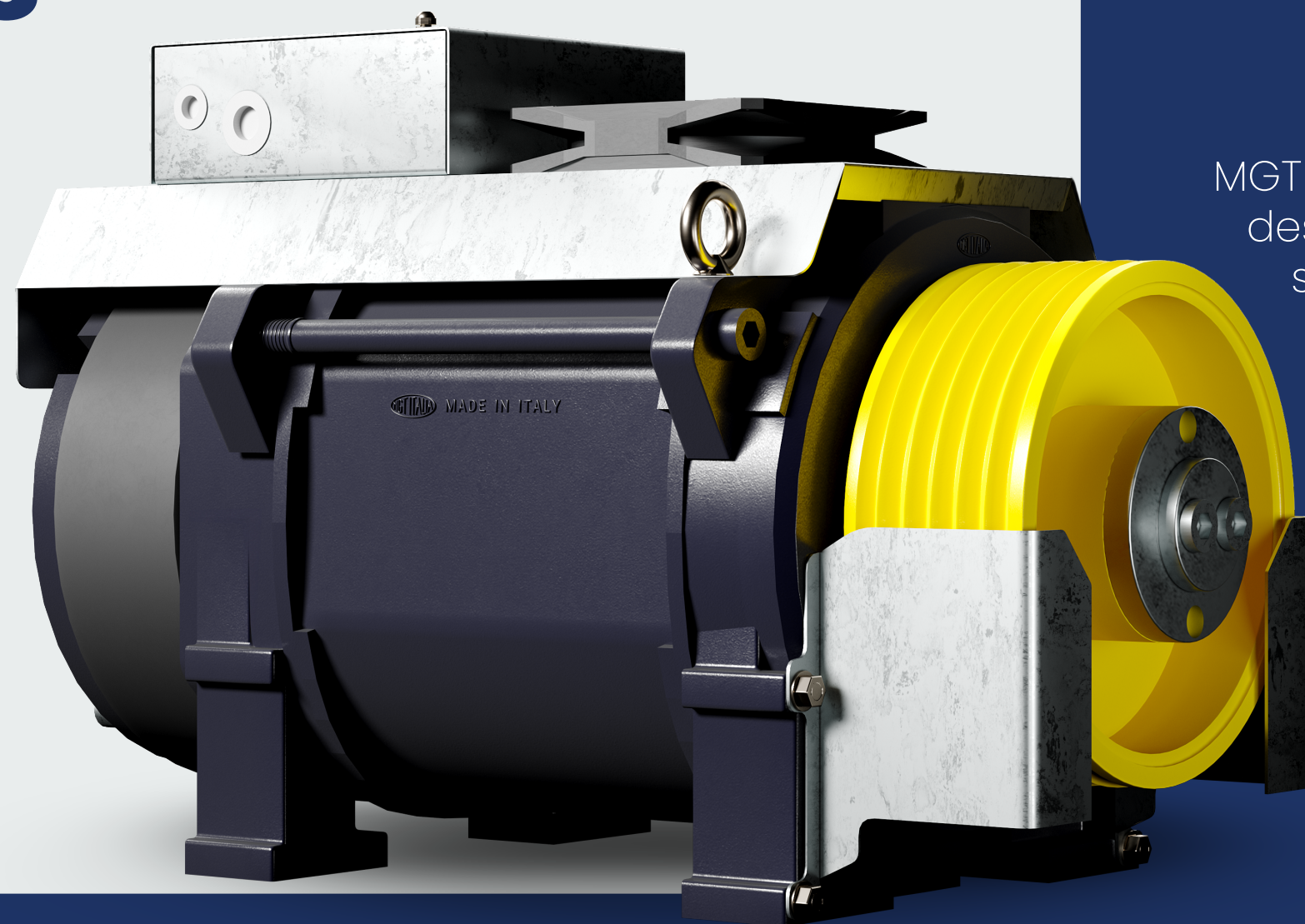


Available Models



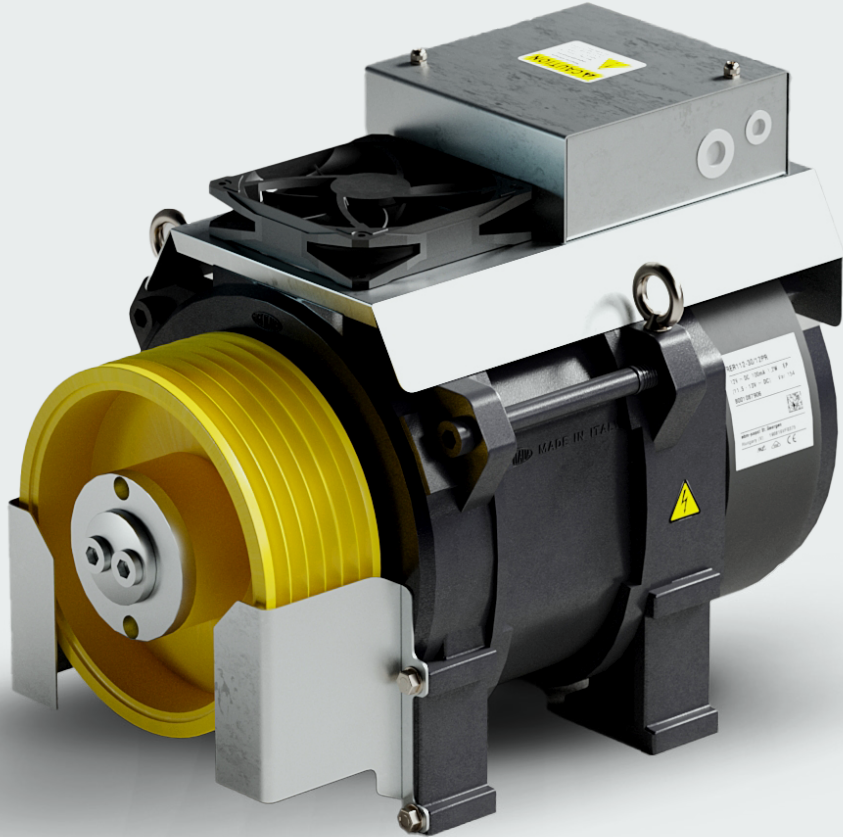
	COMBI 30	COMBI 30S	COMBI 35	COMBI 35S	COMBI 32	COMBI 32S
Max Static Load	2,400 kg	2,400 kg	2,800 kg	2,800 kg	3,000 kg	3,000 kg
Power Range	3.7 – 6.7 KW	3.7 – 6.7 KW	4.0 – 8.0 KW	4.0 – 8.0 KW	4.5 – 9.0 KW	4.5 – 9.0 KW
Ratio Options	1/71, 1/53, 2/53	1/71, 1/53, 2/53	1/71, 1/53, 2/53	1/71, 1/53, 2/53	1/71, 1/53, 2/53	1/71, 1/53, 2/53
Oil capacity	2.9 Liters	2.9 Liters	3.1 Liters	3.1 Liters	3.4 Liters	3.4 Liters
Weight	250 kg	250 kg	270 kg	270 kg	280 kg	280 kg

Gearless Engines



MGT Italia's gearless engines are designed for high efficiency, smooth operation, and minimal maintenance. These engines are ideal for environments where precision and reliability are crucial.

GTG 01



Max Static Load

320 kg

in the 1:1 configuration

Power Range

3.3 kw

Torque

165 Nm

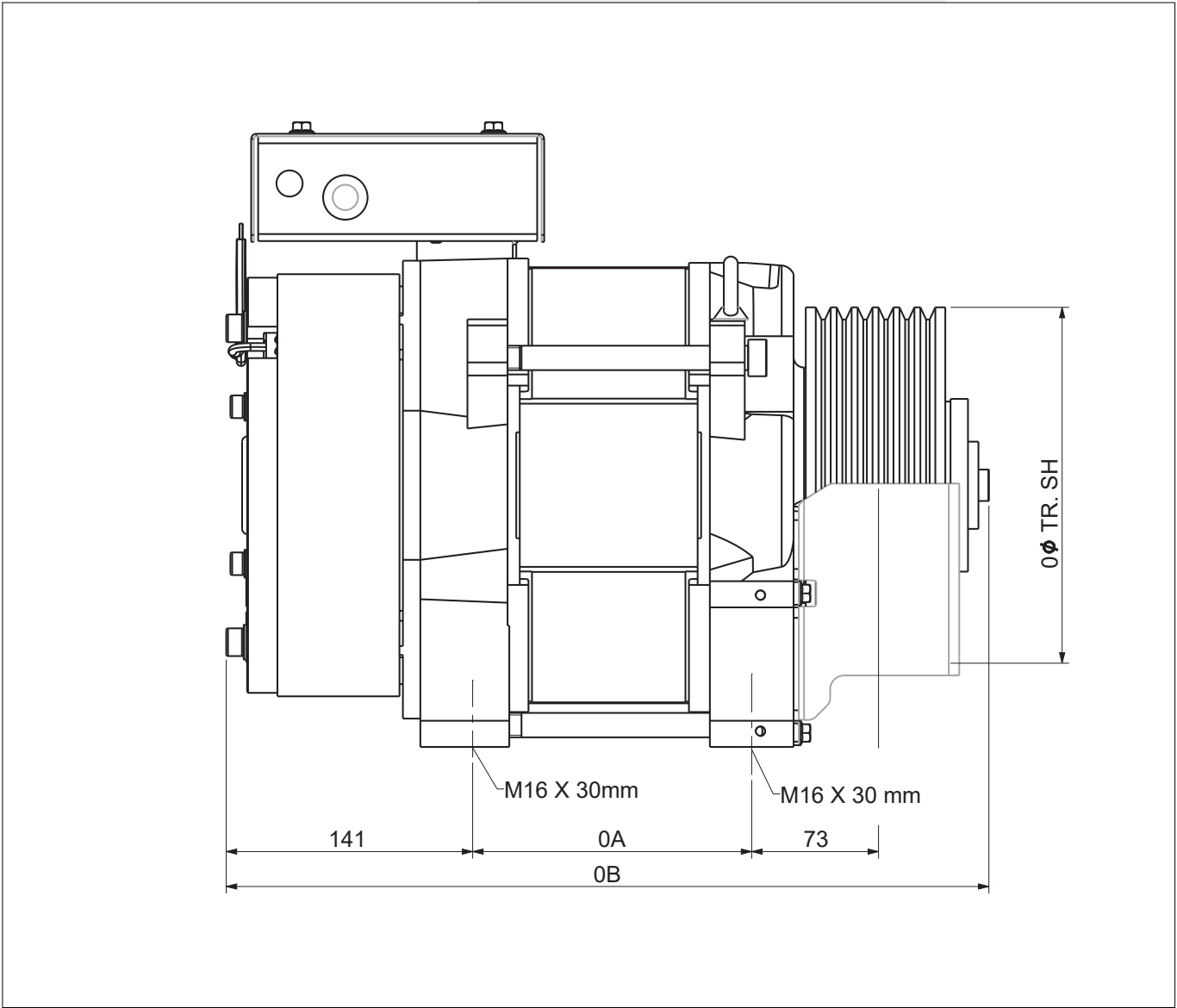
Ratio Options

Various Options such as 2:1

Depending on the application



The GTG01 is a compact, gearless engine optimized for medium-load applications, offering reliable and efficient performance with minimal maintenance.



GTG 02

Torque

225 Nm

Max Static Load

450 kg

Power Range

5.3 kw

Ratio Options

2:1





The GTG02 offers enhanced performance over the GTG01, making it suitable for slightly heavier loads and higher efficiency.

GTG 03

Torque

306 Nm

Max Static Load

800 kg

Power Range

9.3 kw

Ratio Options

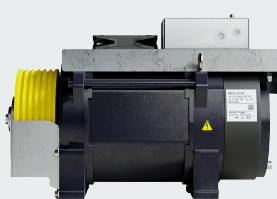
2:1



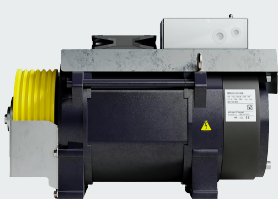


The GTG03 is designed for heavy-duty applications, offering maximum torque and power for demanding environments.

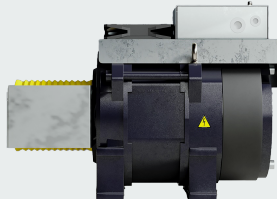
Model Comparison



GTG 01



GTG 02



GTG 03

Max Static Load	450 kg	450 kg	800 kg
Power Range	3.3 KW	5.3 KW	9.3 KW
Ratio Options	2:1	2:1	2:1
Torque	165 Nm	225 Nm	306 Nm
Features	Compact, Medium-Load Performanc	Enhanced Performance, Higher Efficiency	Heavy-duty Applications, Maximum Torqu

Technical Data

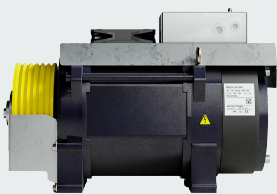
LOAD	480 Kg	ROPING	2:1	RATED TORQUE	165 Nm
SPEED	1 m/s	RPM	191	BRAKE TYPE	EVO_01 (2x300Nm)
POWER	3.3 kW	CURRENT	8.5 A	BRAKE SER.N°	F003047
VOLTAGE	350 V	TR. SHEAVE	200 mm	REF. SHAFT	22-0003/03-001
COS FI	0.9	Frequency	25.5 Hz	Type of Motor	M44650.9
RESISTANCE	10 Ω	WEIGHT	100 Kg	POLES	16

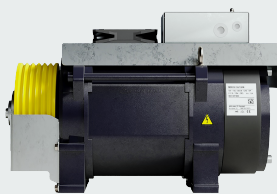
Operational Data

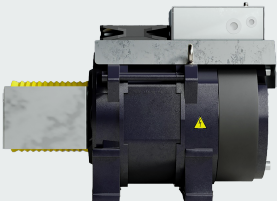
RPM	191	191	191	191	159	159	159
T [Nm]	120	145	165	195	100	120	140
Pout	2.40	2.97	3.30	4.00	1.75	2.10	2.30
η %	80	79	75	72	83	80	74
f [Hz]	25.5	25.5	25.5	25.5	21.2	21.2	21.2
Tens. [v]	305	322	337	361	257	270	283
Current [A]	5.57	6.88	7.83	9.34	4.80	5.72	6.64
Pabs [kW]	2.99	3.74	4.40	5.55	2.10	2.62	3.20

Special Versions and Customizations

MGT Italia offers a range of special versions and customizations for its gearless engines, allowing clients to tailor their solutions to specific needs. Whether it's for specialized applications or unique operating conditions, our gearless engines can be adapted to meet a variety of requirements.







GTG 01

GTG 02

GTG 03

Extended Shaft (LS)	Ideal for applications requiring a longer shaft for enhanced torque and stability.	✓	✓	✓
Custom Ratio Options	To meet the operating needs of various lifting systems; Choose from a variety of ratios to enhance performance.	✓	✓	✓
Third Support (TS)	Adds additional structural stability, making it suitable for heavy-duty applications where extra support is needed.		✓	✓
Extended Shaft (LS)	For applications requiring a specific drum configuration, enhancing versatility in lifting solutions.			✓

Quality Assurance and Testing

At MGT Italia, quality is not just a priority—it's embedded in every step of our production process. Our gearless engines undergo stringent testing and quality control measures to ensure they meet the highest standards of safety, performance, and reliability.

01. Rigorous Testing Procedures

Each gearless engine is subjected to a comprehensive series of tests, including:

01. Dynamic Load Testing
Ensures that engines can handle varying loads without compromising performance.

02. Thermal Testing
Verifies that engines maintain optimal performance across a range of operating temperatures.

03. Vibration Testing
Confirms the stability and durability of engines under various operating conditions.

04. Endurance Testing
Simulates long-term usage to ensure engines can withstand continuous operation over extended periods.

02. Certifications and Standards

MGT Italia's gearless engines are manufactured in compliance with the most stringent international standards, ensuring they meet all necessary regulatory requirements. Our certifications include:


ISO 9001
Quality Management Systems


CE Marking:
Conformity with European safety, health, and environmental protection standards.


RoHS Compliance
Ensuring products are free from hazardous substances.

03. Final Inspection and Approval

Before any engine leaves our facility, it undergoes a final inspection by our team of quality control experts. This process includes:

01. Visual Inspection
To ensure there are no defects or irregularities.

02. Performance Verification
Final performance tests to confirm that the engine meets all specified requirements.

03. Documentation Review
Verification that all documentation, including test reports and certifications, is complete and accurate.



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