

The evolution of GM30

EVO

product by Nuova MGT



EVO30 is more compact than GM30 (its dimensions are 63 cm. length , 39 cm. width, 65 cm. height.), but its slow shaft has the same diameter (68 mm.). The resultant increased rigidity allows higher static load than that of GM30: 2.200 Kg without support and 3.000 Kg. with support.

Moreover, EVO30 has a moderate weight (180-190 Kg) though being extremely sturdy.

Its brake drum has a 270 mm. diameter, which allows a better motor ventilation and higher braking performances.

EVO30 is equipped with a high number of starts/ hour:

AC2 drive system version: up to 120-150 st/h. with self-ventilated motor, and 180

st/h. with low positioned additional fan.
3VF version: up to 240 st/h. with self-ventilated motor (and there is still possibility to add the fan).
If the fan is positioned under the motor, EVO30 can achieve a more rapid cooling.

Its braking device can be rotated every 90° with self-ventilated motor, and every 180° with forced ventilation.

EVO30's worm shaft has new self-lubricated bearings, which allow a better work and less maintenance.

In addition, EVO30 has a new designed electromagnet, and its motor has the same features and performances of the GM30.

EVO30 has been designed in order to answer today's market needs and, most of all, those of our Customers.

We have designed a competitive gear, with load up to 6 persons and speed 1 m/s, easy and functional during the installation works, with compact dimensions and high quality performances.



SERIES EVO30

GENERAL FEATURES

GEAR	EVO30 - EVO30S
MAX POWER 1500 pm	5,5 KW - 7,5 HP
STATIC LOAD	2200 Kg - 3000 Kg

General features

- absolutely compact winch
- the brake unit can be rotated every 90°
- high number of starts/hour. from 150 autoventilated
- 180-240 starts/hour in vf version, and in the AC2 version with a small electrofan
- the big diameter of the brake drum allows high braking capacity
- the worm shaft is positioned on new bearings selflubrificated

**SERIES EVO30**

load da N.	speed m/s	suspension	ratio	effcency gear	D. pulley mm	power 2 speed 1500rpm		power VWF 1500rpm	
						kw	HP	kw	HP
630	0,63	1/1	1/42	0,72	360	4,9	6,7	4,4	6,0
480	0,63	1/1	1/60	0,65	480	4,9	6,7	4,4	6,0
480	1,00	1/1	1/37	0,73	480	5,5	7,5	5,5	7,5
450	1,00	1/1	1/47	0,69	600	5,5	7,5	5,5	7,5
400	1,20	1/1	1/37	0,73	560	5,5	7,5	5,5	7,5
320	0,63	1/1	1/60	0,63	480	3,7	5,0	3,3	4,5



Company name: _____
Address: _____
Person referent: _____
e-mail: _____

Date: _____
Quantity: _____

GEAR - GEARLESS

GEAR DATA

GEAR TYPE	<input type="radio"/> GEAR <input type="radio"/> GEARLESS		
Installation position	<input type="radio"/> Righth-hand machine <input type="radio"/> Left-hand machine		
Gear ratio		
Drive system	<input type="radio"/> AC1 <input type="radio"/> AC2 <input type="radio"/> ACVV <input type="radio"/> VVVF <input type="radio"/> DC		
Rpm and motor power	Rpm	Power (kW)	<input type="radio"/> Asynchronous <input type="radio"/> Synchronous
Motor Voltage and Frequency	V: <input type="radio"/> 33 Hz <input type="radio"/> 50 Hz <input type="radio"/> 60 Hz		
Starting per hour	<input type="radio"/> 90 <input type="radio"/> 120 <input type="radio"/> 180 <input type="radio"/> 240		
Traction Sheave	Sheave Ø (mm)		
Ropes	N. Ropes	Ropes Ø (mm)	Pitch of grooves (mm)

PLAN DATA

Roping	<input type="radio"/> 1:1 <input type="radio"/> 2:1		
Speed m/s		
Gear position	<input type="radio"/> ABOVE MACHINE <input type="radio"/> BELOW MACHINE		
Travel and stops	Travel (m)	Stops n°	
Load	Useful load (Kg)	Cabin+car+frame+door operator (Kg)	CW (Kg)
Ropes	Weight (Kg)	Compensation <input type="radio"/> NO <input type="radio"/> YES	% Kg.
Ropes distance (mm)		

SPECIAL SUPPORT

Type	<input type="radio"/> INTERNAL <input type="radio"/> EXTERNAL		
Extended shaft	Centre line gear - centre line sheave (mm)		

MANUFACTURE

Made in ITALY			
Company name	<input type="radio"/> SICOR <input type="radio"/> Nuova MGT <input type="radio"/> SASSI		

NOTE

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