High comfort performance

GEARLESS

product by Nuova MGT

NUOVA MGT designed and manufactured totally in its factories a new range of gearless machines: GT10 -GT15-GT20-GT25-GT30, which is the result of an experience and technology mix.

GT is a synchronous motor with permanent magnets and encoder, very compact, extremely rugged, particulary suitable for roomless installations, both for old and new ones.

GT is both for direct (1:1) and differential (1:2) roping. Start and stop are imperceptible in each situation with any load and this allows a high comfort performance, noise absence and maximum levelling of the lift car to the floor.

BENEFITS OF THE NEW GEARLESS TECHNOLOGY:

· Compact design = less space needed
· No gear = less manteinance, best performance, reduction in energy costs
· Few mechanic parts = easier assembling, managment, manteinance
· No torque = more machine control, better clearance, less noise
· More rigidity = better dynamical performance

TECHNICAL DATA

GEARLESS GT10..

CODE GT10..	load Kg.	vel. m/s	susp.	D. pul. mm	ropes n°/mm	power kW/HP	CDF %	In a	RPM	HZ	V	torque Nm
W1S100.2456	320	1	1:1	240	5/Ø6	2,0/2,7	40	7,3	80	15,9	400	235
W1S200V2456	320	1,6	1:1	240	5/Ø6	3,1/4,3	40	10,7	127	25,5	400	235
W1S300V2456	320	2	1:1	240	5/Ø6	3,9/5,3	40	15	159	31,8	400	235
W1S300.2456	480	1	2:1	240	5/Ø6	3,4/4,6	50	13,1	159	31,8	400	204
W1S200V3238	480	1	2:1	320	3/Ø8	3,4/4,6	40	12,3	119	23,9	400	271
W1S300V3238	480	1,6	2:1	320	3/Ø8	5,4/7,4	35	17,4	191	38,2	400	271

GEARLESS GT15..

CODE GT15..	load Kg.	vel. m/s	susp.	D. pul. mm	ropes n°/mm	power kW/HP	CDF %	In a	RPM	HZ	V	torque Nm
W2S100.3248	320	1	1:1	320	4/Ø8	2,1/2,9	50	7,4	60	11,9	400	342
W2S200.2466	480	1	1:1	240	6/Ø6	2,9/3,9	50	12,9	80	15,9	400	345
W2S300V2466	480	1,6	1:1	240	6/Ø6	4,6/6,2	40	20,1	127	25,5	400	345
W2S300V2466	480	2	1:1	240	6/Ø6	5,7/7,8	40	20,1	159	31,8	400	345
W1S300.2456	630	1	2:1	240	5/Ø6	4,2/5,6	60	14,5	159	31,8	400	249
W1S300.2476	750	1	2:1	240	7/Ø6	5,1/6,9	50	17,7	159	31,8	400	303

GEARLESS GT20..

CODE GT20..	load Kg.	vel. m/s	susp.	D. pul. mm	ropes n°/mm	power kW/HP	CDF %	In a	RPM	HZ	V	torque Nm
M1.100.3258	480	1	1:1	320	5/Ø8	3,1/4,2	40	11	60	11,9	400	497
M1.200V3258	480	1,6	1:1	320	5/Ø8	5/6,8	40	19,2	95	19,1	400	497
M1.200V3258	480	2	1:1	320	5/Ø8	6,2/8,5	35	19,2	119	23,9	400	497
M1.300V3258	480	2,5	1:1	320	5/Ø8	6,2/8,5	35	30,7	149	29,8	400	497
M1.300V3258	480	3	2:1	320	5/Ø8	9,3/12,7	35	30,7	179	35,8	400	497
M1.200V3248	630	1	2:1	320	4/Ø8	4,5/6,1	60	13,8	119	23,9	400	357
M1.300.3248	630	1,6	2:1	320	4/Ø8	7,1/9,7	60	21,9	191	38,2	400	357
M1.300.2476	750	1	2:1	240	7/Ø6	5,1/6,9	60	18,6	159	31,8	400	303

TECHNICAL DATA

GEARLESS GT25..

CODE GT25..	load Kg.	vel. m/s	susp.	D. pul. mm	ropes n°/mm	power kW/HP	CDF %	In a	RPM	HZ	V	torque Nm
M12S200.2486	630	1	1:1	240	8/Ø6	3,8/5,2	60	17,4	80	15,9	400	459
M2S100V3268	630	1	1:1	320	6/Ø8	4/5,5	40	15,1	60	11,9	400	644
M2S200V3268	630	1,6	1:1	320	6/Ø8	6,4/8,8	40	24,4	95	19,1	400	644
M2S200.3258	750	1	2:1	320	5/Ø8	5,4/7,3	60	16,3	119	23,9	400	429
M2S300.3258	750	1,6	2:1	320	5/Ø8	8,6/11,7	60	26,4	191	38,2	400	429
M2S200V3298	1000	0,63	2:1	320	9/Ø8	4,8/6,5	40	23,2	75	15	400	611
M2S300V3298	1000	1	2:1	320	9/Ø8	7,6/10,4	40	37,5	119	23,9	400	611
M2S300V3298	1000	1,6	2:1	320	9/Ø8	12,2/16,6	40	37,5	191	38,2	400	611

GEARLESS GT30..

CODE GT30..	load Kg.	vel. m/s	susp.	D. pul. mm	ropes n°/mm	power kW/HP	CDF %	In a	RPM	HZ	V	torque Nm
T3.200V3298	750	0,63	1:1	320	9/Ø8	3,1/4,3	40	33,4	38	7,5	400	795
T3.200V3298	750	1	1:1	320	9/Ø8	5,0/6,8	40	33,4	60	11,9	400	795
T3.200V3298	750	1,6	1:1	320	9/Ø8	8,0/10,8	35	33,4	95	19,1	400	795
T3.300.3298	1000	1,6	2:1	320	9/Ø8	12,2/16,6	50	36,4	191	38,2	400	611
T3.200V3298	1500	0,63	2:1	320	9/Ø8	6,6/9,0	35	35,2	75	15	400	842
T3.300V3298	1500	1	2:1	320	9/Ø8	10,5/14,3	35	50,1	119	50,1	400	842

ENGINEERINGlift
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Company name: _____ **Date:** _____
Address: _____ **Quantity:** _____
Person referent: _____
e-mail: _____

GEAR - GEARLESS

GEAR DATA

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

PLAN DATA

Roping	◯ 1:1 ◯ 2:1
Speed m/s	.....
Gear position	◯ ABOVE MACHINE ◯ 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 ◯ NO ◯ YES % ..... Kg. .....
Ropes distance (mm)	.....

SPECIAL SUPPORT

Type	◯ INTERNAL ◯ EXTERNAL
Extended shaft	Centre line gear - centre line sheave (mm) .....

MANIFACTURE

Made in ITALY	
Company name	◯ SICOR ◯ Nuova MGT ◯ SASSI

NOTE .....