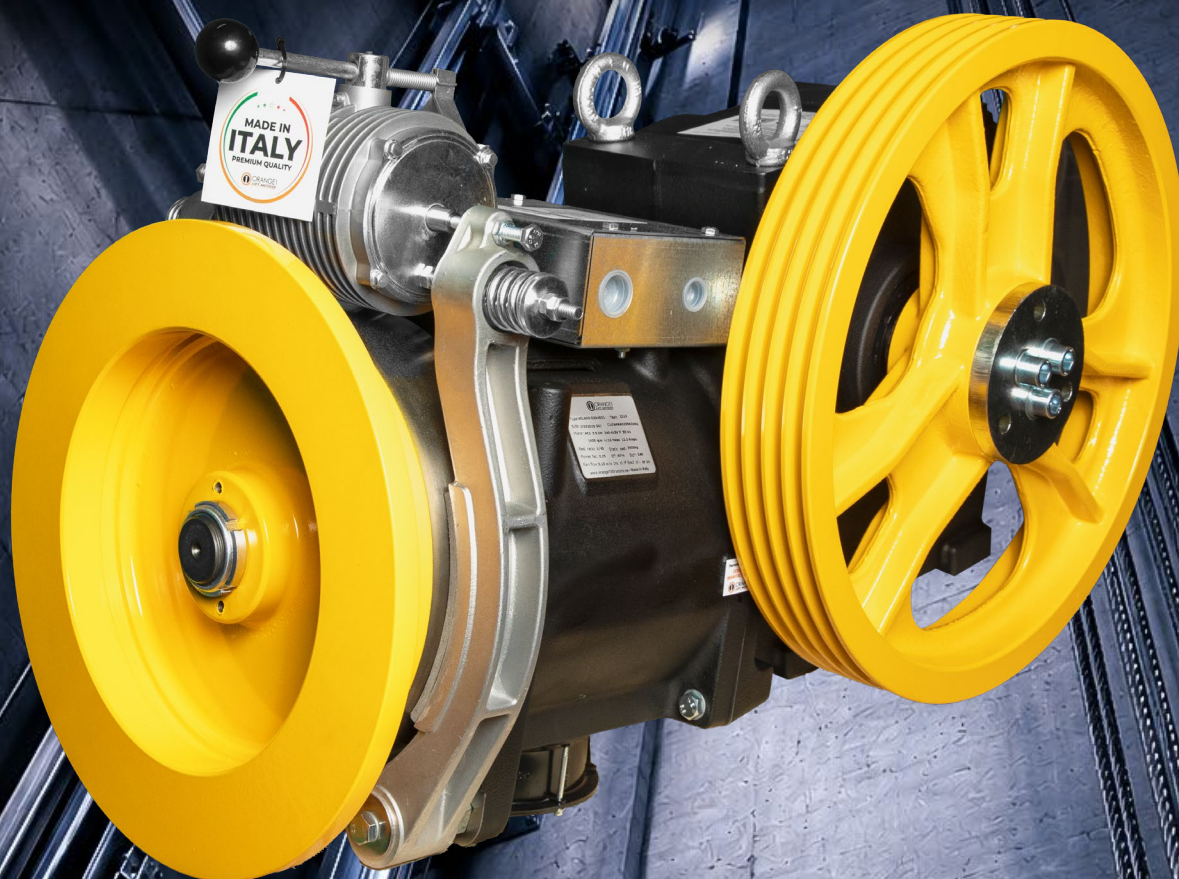




MILANO

GEARED MACHINE

Technical Datasheet



MILANO GEARED MACHINE

The MILANO geared machines, thanks to their extremely compact dimensions, can be up to 16 centimeters smaller compared to some competitor products, making them easier to transport and install.

The materials used for manufacturing the worm gears and worm wheels are of the highest quality. Milano elevator gear machines are equipped with double-lip seals, both internal and external. Furthermore, the slow shaft of the Milano elevator machines always features both internal and external seals.

The Milano range of elevator gear machines includes various models with capacities up to 1000 kg and speeds up to 1.6 m/s. These machines can also operate in 2:1 suspension mode and are perfect for MRL (Machine Room-Less) installations, featuring a small-diameter traction sheave that provides the comfort typical of a gearless traction unit

Static Load [kg-kN]	Motor		Ratio	Speed [m/s]	Sheave [mm]	Payload [kg]
	[Hz]	[kW]				
3400 - 33,3	50 60	4,0 - 7,5 6,0 - 8,6	1/55; 1/45	0,63 - 1,0	450; 480; 500; 530; 560; 600	800

Motori 50Hz 400V - Motors 50Hz 400V

		AC2 50Hz 400V			3VF 50Hz 400V	
Potenza Asincrona / Asyn. Power	[kW]	4,0	5,5	7,2	5,5	7,5
Poli / Poles	[-]	4/16	4/16	4/16	4	4
Tensione nominale / Rated Voltage	[V]	400	400	400	400	400
Frequenza / Frequency	[Hz]	50	50	50	50	50
Velocità Motore / Rated speed	[-]	1500/375	1500/375	1500/375	1.500	1.500
Velocità Motore asincrona / Asynchronous motor speed	[rpm]	1.370	1.360	1360	1.415	1.440
Velocità Motore sincrona / Synchronous motor speed	[rpm]	1.500	1.500	1.500	1.500	1.500
Potenza asincrona /Asynchronous power	[Hp]	5,4	7,5	9,8	7,5	10,2
Coppia Nominale / Rated Torque	[Hp]	27,9	38,6	50,5	36,2	49,4
Corrente Nominale / Rated Current	[Nm]	9,3	12,2	15,9	12,0	16,5
Corrente Avviamento / Starting current	[A]	43	52	74	58	100
Efficienza / Efficiency	[A]	81	76	76	80	83
Fattore di potenza/ Power factor	[%]	0,76	0,86	0,86	0,83	0,78
Avviamenti ora / Start per Hour	[st/h]	240	240	240	240	240
Classe di isolamento / Insulation class	[-]	F	F	F	F	F
Grado di protezione IP / IP protection rating	[-]	IP21	IP21	IP21	IP21	IP21

Motori 60Hz 380V - Motors 50Hz 380V

		AC2 60Hz 380V			3VF 60Hz 380V	
Potenza Asincrona / Asyn. Power	[kW]	6,0	7,4	7,8	6,0	8,6
Poli / Poles	[-]	4/16	4/16	4/16	4	4
Tensione nominale / Rated Voltage	[V]	380	380	380	380	380
Frequenza / Frequency	[Hz]	60	60	60	60	60
Velocità Motore / Rated speed	[-]	1800/450	1800/450	1800/450	1800	1800
Velocità Motore asincrona / Asynchronous motor speed	[rpm]	1660	1650	1650	1720	1740
Velocità Motore sincrona / Synchronous motor speed	[rpm]	1800	1800	1800	1800	1800
Potenza asincrona /Asynchronous power	[Hp]	8,2	10,1	10,6	8,2	11,7
Coppia Nominale / Rated Torque	[Hp]	34,5	42,8	44,7	33,3	47,2
Corrente Nominale / Rated Current	[Nm]	13,6	16,6	17,7	13,8	20,3
Corrente Avviamento / Starting current	[A]	70	85	99	79	112
Efficienza / Efficiency	[A]	81	79	79	81	84
Fattore di potenza/ Power factor	[%]	0,84	0,86	0,85	0,83	0,81
Avviamenti ora / Start per Hour	[st/h]	240	240	240	240	240
Classe di isolamento / Insulation class	[-]	F	F	F	F	F
Grado di protezione IP / IP protection rating	[-]	IP21	IP21	IP21	IP21	IP21

Freno - Brake

		Elettromagnete freno - Electromagneticbrake			
Tensione -Voltage	[V]	60	80	110	200
Corrente - Current	[A]	1,8	1,5	1,2	0,6
Potenza - Power	[W]	108	122	132	120

INGOMBRI - DIMENSION

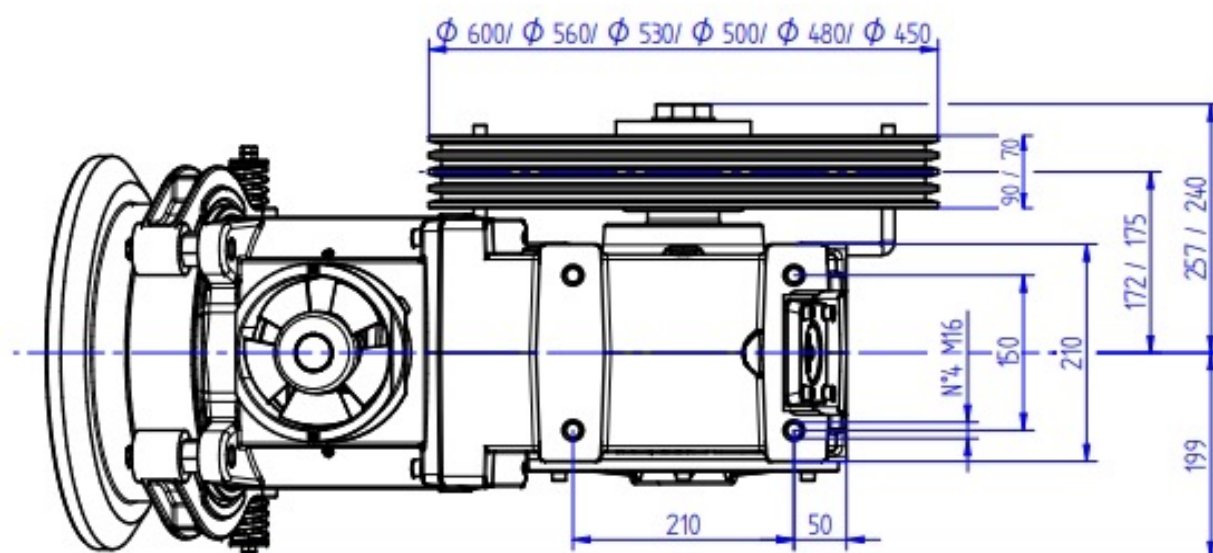
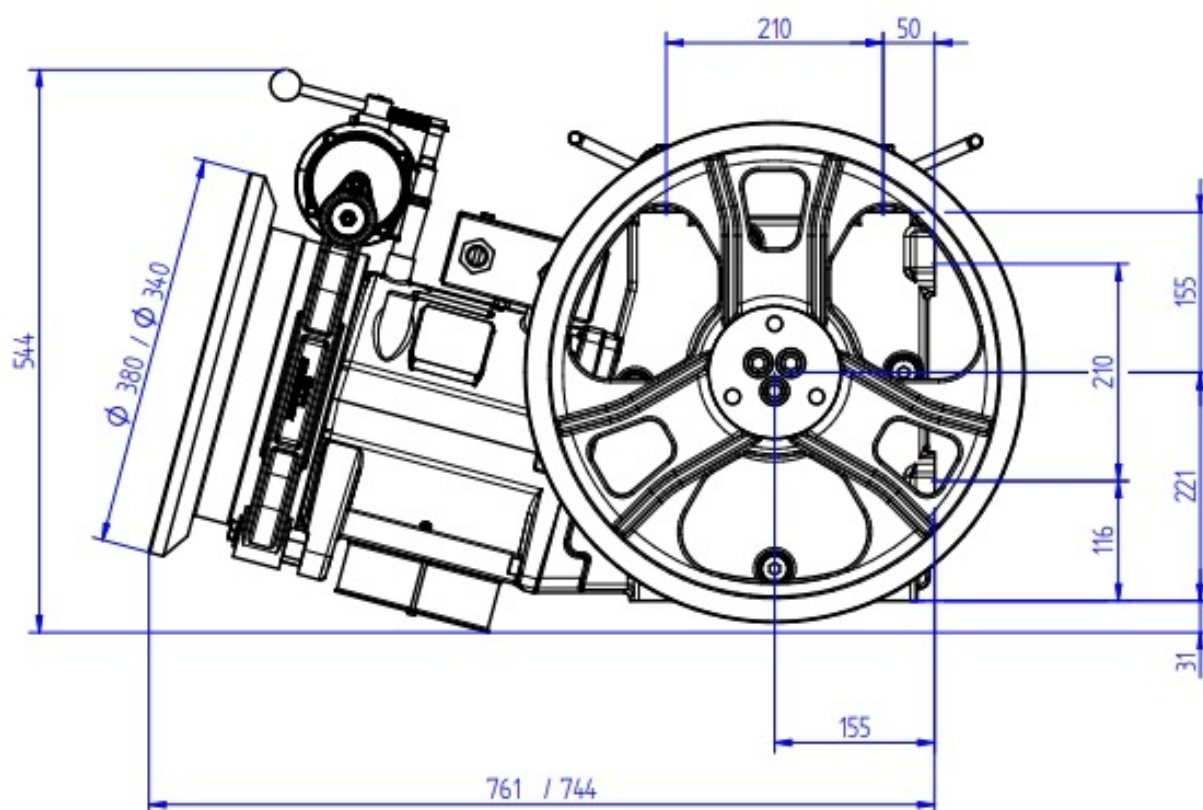


Tabelle configurazioni - Configurations

Rapporto Rid. Ratio	Puleggia Sheave	AC2 50Hz 4/16P				3VF 50Hz 4/16P		
		Velocità Speed	kW Async			Velocità Speed	kW Async	
			4	5,5	7,2		5,5	7,5
[-]	[mm]	[m/s]	Kg			[m/s]	Kg	
1/55	450	0,60	800			0,62	800	
1/55	480	0,64	680	800		0,66	800	
1/55	500	0,67	680	800		0,69	800	
1/55	530	0,71	680	800		0,73	800	
1/45	450	0,74	630	800		0,76	800	
1/55	560	0,75	630	680		0,77	680	
1/45	480	0,78	550	800		0,81	800	
1/55	600	0,80	550	680		0,83	680	
1/45	500	0,82	550	800		0,84	800	
1/45	530	0,87	550	800		0,89	680	800
1/45	560	0,92	480	680	800	0,94	680	800
1/45	600	0,98	400	680	800	1,01	630	800

*Differenza di tiro (kg) con efficienza vano = 0,8 - Out Of Balance Load (kg) with shaft efficiency

Tabelle configurazioni - Configurations

Rapporto Rid. Ratio	Puleggia Sheave	AC2 60Hz 4/16P			3VF 60Hz 4/16P		
		Velocità Speed	kW Async		Velocità Speed	kW Async	
			6	7,4		6	8,6
[-]	[mm]	[m/s]	Kg		[m/s]	Kg	
1/55	450	0,71	800		0,74	800	
1/55	480	0,76	800		0,79	800	
1/55	500	0,79	800		0,82	800	
1/55	530	0,84	800		0,87	800	
1/45	450	0,87	800		0,90	800	
1/55	560	0,89	680		0,92	680	
1/45	480	0,93	800		0,96	680	800
1/55	600	0,95	680		0,99	680	800
1/45	500	0,97	680	800	1,00	680	800
1/45	530	1,03	680	800	1,06	680	800
1/45	560	1,08	680	800	1,12	630	800
1/45	600	1,16	630	800	1,20	550	800

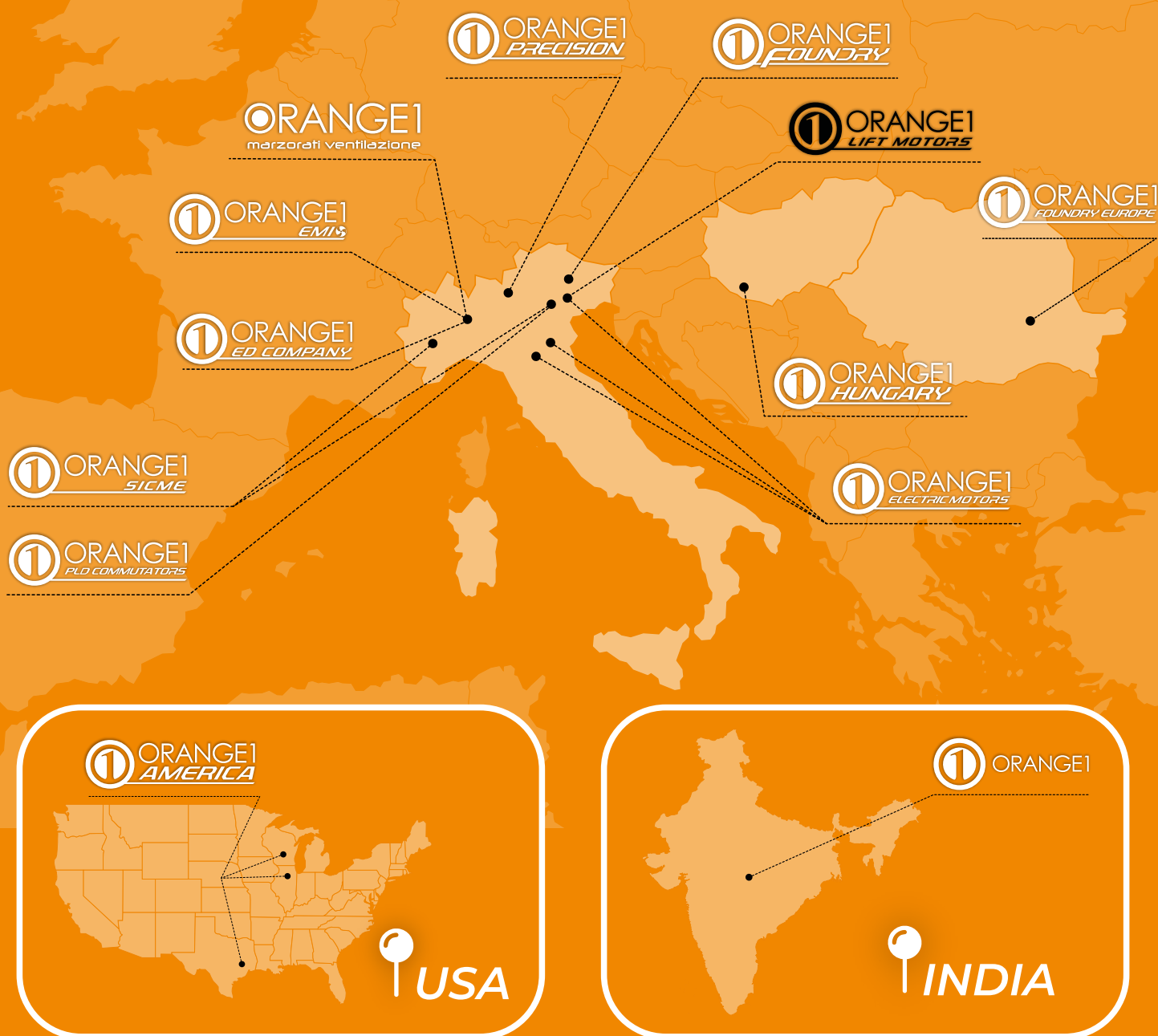
*Differenza di tiro (kg) con efficienza vano = 0,8 - Out Of Balance Load (kg) with shaft efficiency

Qualora le configurazioni desiderate non siano incluse nel presente catalogo, vi preghiamo di contattarci per ricevere un'assistenza dedicata e un'offerta su misura.

If the configurations you require are not included in this catalogue, please contact us for personalised assistance and a bespoke quote.

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