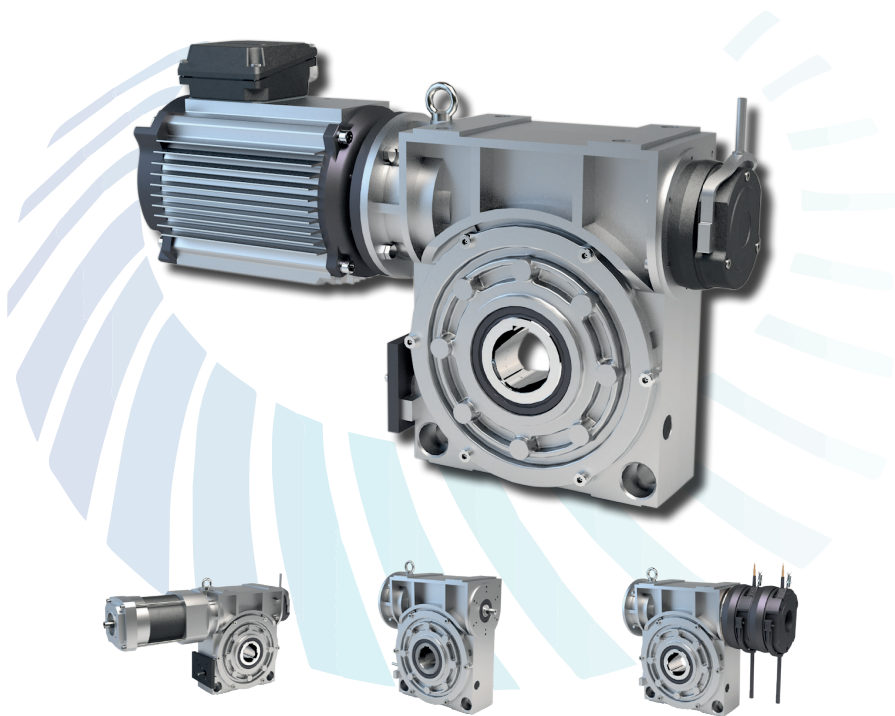


Gear Motors TD 10



Applications

Accessibility / Lift Industry

- Platform Lifts
- Passenger Lifts
- Goods & Service lifts

Theatre & Stage Machinery

- Rigging
- Scenery hoists & Winches
- Flying, Curtain track Systems
- Turntables and platforms

Industrial Door Automation

- Sectional, High-Speed doors
- Hangar Doors

Industrial Applications

- Mechanical Engineering
- Conveyor & Crane
- Printing and Textile

Benefits

- High Operation Reliability
- High Flexibility and Efficiency
- High Modularity
- Compact Design
- Lifetime lubrication
- Excellent mechanical strength and particularly lightweight

Features

- Output Speed: max. 280 rpm
- Output Torque max. 2.000 Nm
- Motor Power max. 7,5 kW
- Gear Ratios from 10,25 to 125
- Fitted with different motor combinations
 - o "Integrated" using Tornado Motors
 - o "Combined" with standard IEC Motors (CE, UL/CSA...)
- Operating Voltage: 1x230V/AC, 3x230V/400V/AC (50Hz / 60Hz)

Options

- Safety Feature Built-in TÜV-certified Safety Catch or Anti-Drop Protection (TDA Version)
- Brake Assembly: Motor or gearbox side
- Frequency Converter: Yes
- Gearbox Flange: B14 mounting up to IEC132 motors
- Shafts: Single and Double Shaft, extended Input Shafts (Encoder)
- Emergency Operation Hand crank / Chain hoist mechanisms
- Limit Switch: 3 gear ratios (i=10, i=20, i=40) / Mechanical / digital (Single-Turn / Multi-turn)

Gear Motors TD 10

Specifications



Performance (2 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 10 - Performance (2-pole) torque range (Nm)														
			Efficiency DIN3996:2012	1.1 kW		1.5 kW		2.2 kW		3 kW		4 kW		5.5 kW		7.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
10,25	2800	273	92%	35	45	50	65	70	90	95	125	130	170	180	235	240	310
20,50	2800	137	87%	70	90	90	120	135	175	185	240	245	320	335	435	460	600
41	2800	68	79%	120	155	165	215	245	320	330	430	440	570	605	790	825	1070
90	2800	31	52%	175	230	240	310	350	455	480	625	640	830	875	1140	1195	1400
111	2800	25	52%	215	280	295	385	430	560	590	765	785	1020	1080	1200	-	-
125	2800	22	48%	225	295	310	400	450	585	615	800	820	1060	-	-	-	-

Performance (4 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 10 - Performance (4-pole) torque range (Nm)														
			Efficiency DIN3996:2012	1.1 kW		1.5 kW		2.2 kW		3 kW		4 kW		5.5 kW		7.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
10,25	1370	134	92%	70	90	100	130	145	190	200	260	265	345	360	470	495	645
20,50	1370	67	88%	140	160	190	250	275	360	375	485	500	650	690	895	940	1220
41	1370	33	79%	250	325	340	440	500	650	680	885	900	1170	1240	1600	-	-
90	1370	15	52%	360	470	490	640	720	940	980	1275	1310	1700	-	-	-	-
111	1370	12	53%	450	585	610	790	895	1165	1220	1250	-	-	-	-	-	-
125	1370	11	49%	470	610	640	830	935	1100	-	-	-	-	-	-	-	-

Performance (6 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 10 - Performance (6-pole) torque range (Nm)														
			Efficiency DIN3996:2012	1.1 kW		1.5 kW		2.2 kW		3 kW		4 kW		5.5 kW		7.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
10,25	920	90	92%	110	145	150	195	215	280	295	385	395	515	540	700	740	960
20,50	920	45	88%	205	270	280	365	410	535	560	730	750	975	1030	1340	-	-
41	920	22	79%	370	480	505	66	740	960	1000	1300	1350	1600	-	-	-	-
90	920	10	52%	535	700	730	950	1070	1390	-	-	-	-	-	-	-	-
111	920	8	53%	670	870	910	1180	-	-	-	-	-	-	-	-	-	-
125	920	7	49%	700	910	955	1100	-	-	-	-	-	-	-	-	-	-