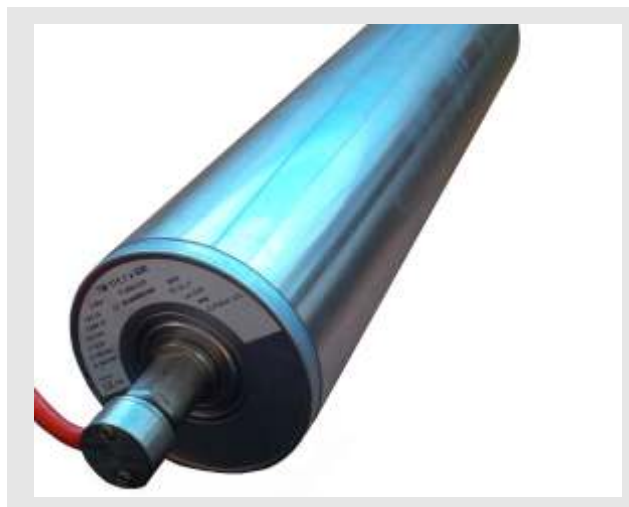


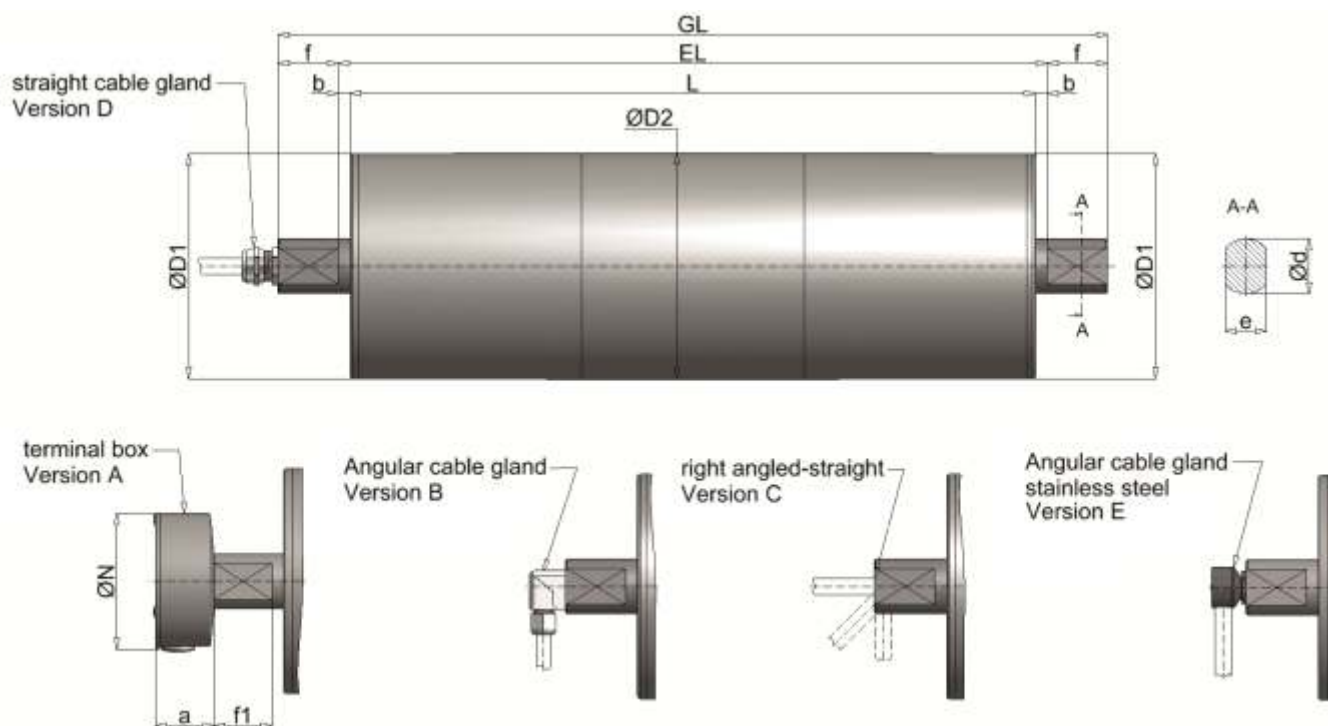
Axis TM111 Motorised Drum

General Features

- Diameter Ø111mm
- High duty helical gear unit with steel toothing
- Standard length from 260mm to 800mm
- Three-phase or single-phase motors
- 75 Watt to 550 Watt input power
- Insulation class F
- IP66 protection
- Mild steel or stainless steel construction
- Permanently lubricated with synthetic oil
- Axial, radial gland or terminal box connection
- Special options available



Axis TM111 Dimensions



dimensions in mm

DRUM MOTOR										STANDARD IP66	
Size	Type	Ø D1	Ø D2**	a	Ø N	Ø d	e	f	f1	b	EL
111	TM 111.1	112,5	113,5	43	100	25	20	25	23	5	L + 10
	30					25	24	22	8,5	L + 17	
GUIDE DRUM											
111	UT 111.1	112,5	113,5			25	20	25		5	L + 10
	UT 111.0					30	25	24		8,5	L + 17

* With 1m cable

** Diameter with cylindrical drum design 113

AxisTM111 Design & Options

TM111 Performance Data

Type	POWER	BELT SPEED	ROTATION SPEED	BELT PULL	TORQUE	POWER INPUT AT 400V / 50Hz	DRUM LENGTH	WEIGHT
		v	n2	F	T2		L min.	L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]		[A]	[mm]
TM111	0,075 8-pole	0,09	16	795	45	0,45	260	12,5
		0,12	19	650	37			
		0,14	23	541	31			
		0,16	28	456	26			
		0,19	33	388	22			
		0,23	38	333	19			
		0,26	44	286	16			
		0,28	47	271	15			
		0,34	57	221	13			
		0,41	68	184	10			
		0,48	81	155	9			
		0,57	95	132	8			
0,66	111	113	6					
0,77	129	98	6					
TM111	0,12 6-pole	0,14	23	876	50	0,57	260	12,5
		0,17	28	716	41			
		0,20	34	596	34			
		0,24	40	503	29			
		0,28	47	428	24			
		0,33	55	367	21			
		0,38	64	316	18			
		0,40	68	299	17			
		0,49	83	244	14			
		0,59	99	203	12			
		0,70	118	171	10			
		0,82	138	146	8			
0,96	162	125	7					
1,11	188	108	6					
TM111	0,18 4-pole	0,21	36	845	48	0,68	260	12,5
		0,26	44	690	39			
		0,31	53	575	33			
		0,37	63	485	27			
		0,44	73	413	23			
		0,51	86	354	20			
		0,59	99	304	17			
		0,63	105	288	16			
		0,76	129	235	13			
		0,92	155	196	11			
		1,09	183	165	9			
		1,28	215	141	8			
		1,49	251	121	7			
		1,73	292	104	6			

AxisTM111 Motorised Drum

TM111 Performance Data

Type	POWER	BELT SPEED	ROTATION SPEED	BELT PULL	TORQUE	POWER INPUT AT 400V / 50Hz	DRUM LENGTH	WEIGHT
		v	n2	F	T2		L min.	L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]		[A]	[mm]
TM111	0,25 4-pole	0,21	36	1173	67	0,94	260	12,5
		0,26	44	959	54			
		0,31	53	798	45			
		0,37	63	673	38			
		0,44	73	573	33			
		0,51	86	491	28			
		0,59	99	423	24			
		0,63	105	400	23			
		0,76	129	327	19			
		0,92	155	272	15			
		1,09	183	229	13			
		1,28	215	195	11			
		1,49	251	167	10			
1,73	292	144	8					
TM111	0,30 4-pole	0,21	36	1408	80	1,10	280	13,6
		0,26	44	1151	65			
		0,31	53	958	54			
		0,37	63	808	46			
		0,44	73	688	39			
		0,51	86	589	33			
		0,59	99	507	29			
		0,63	105	480	27			
		0,76	129	392	22			
		0,92	155	326	19			
		1,09	183	275	16			
		1,28	215	234	13			
		1,49	251	201	11			
1,73	292	173	10					
TM111	0,37 2-pole	0,43	72	868	49	0,95	260	12,5
		0,52	88	710	40			
		0,63	105	591	34			
		0,74	125	498	28			
		0,87	147	424	24			
		1,02	171	363	21			
		1,18	199	313	18			
		1,25	210	296	17			
		1,53	257	242	14			
		1,84	309	201	11			
		2,18	367	170	10			
		2,56	431	145	8			
		2,99	503	124	7			
3,47	584	107	6					

AxisTM111 Design & Options

TM111 Performance Data

TM111	0,55 2-pole	0,42	71	1300	74	1,26	280	13,6
		0,52	87	1062	60			
		0,62	105	884	50			
		0,74	124	746	42			
		0,87	146	635	36			
		1,01	170	544	31			
		1,17	198	469	27			
		1,24	209	443	25			
		1,52	256	362	21			
		1,82	307	301	17			
		2,16	364	254	14			
		2,54	428	216	12			
		2,97	499	185	11			
		3,44	579	160	9			

alternative performance data and speeds on request
 indication of weight incl. oil filling (ready for operating)
 additional weight: approx. 1kg for 100mm add. length
 with brake mounting L min. dimension raises up 65mm

Standard Configuration

- Crowned shell, mild steel with rust protection paint
- Bearing covers made of aluminium
- Shafts made of mild steel with rust protection paint
- Helical gear unit with steel toothing (quiet)
- Straight cable gland with 1m cable

Options

- Internal brake
- Terminal box connection
- Angular cable gland (with 1m cable)
- Angular cable gland stainless steel (with 1m cable)
- Right angled-straight cable gland (with 1m cable)
- Mechanical backstop
- Sprocket / toothed belt disc
- Sensor bearing unit (rotary encoder)
- Cylindrical drum shell, coated, zinc plated
- Stainless steel design
- Thermal overload protection
- IP67 protection
- Suitable for frequency converter use
- For modular plastic conveyor belts and grooved rubber lagging
- Vertical mounting (should be stated in the order)
- Food-safe lubricant
- Drum motor as cartridge
- Single phase motors on request

Alternative custom designs also available
 please enquire.