



*Van der Graaf*  
Power Transmission Equipment



# TM315-60

**Drummotor**

**Product information**

[www.vandergraafpte.nl](http://www.vandergraafpte.nl)

## Selection table TM315-60

TYPE	Power (kW)	Beltspeed at 50 Hz (m/s) Beltpull (N)										Min. L (mm) Design A / B		Full load curr. at 400 V/50 Hz (A)	Weight L=700 (kg)	
		1,40 7305	1,20 8525	1,15 8895	1,00 10230	0,80 12790							700 [TB 750]			750 [TB 800]
215 ST3-ZV	11,00														19,7	205
410 ST3-ZV	7,50	0,85 8205	0,70 9965	0,60 11625								700	750	15,0	205	
475 ST3-ZV	5,50	0,70 7305	0,60 8525	0,55 8895	0,50 10230	0,40 12790						650	700	10,5	200	
455 ST3-ZV	4,00	0,50 7440	0,45 8265	0,40 9300	0,32 11625							600	650	7,8	195	
640 ST3-ZV	3,00	0,34 8205	0,31 9000	0,27 10335	0,22 12680							600	650	7,1	195	

Available standard facewidth's: 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 - 1050 - 1100 - 1150 mm.

Minimum facewidth can deviate, see cable exit options.






The total weight of a drummotor grows approx. 9 kg per 100 mm.

When an electro-mechanical brake is fitted, the minimum facewidth is increased by 150 mm.

When a backstop is fitted in a 2-pole drum motor, the minimum facewidth is increased by 50 mm.

Available torque Nm: (Beltpull N x Drumdiameter m) / 2

# Options

	Specification	Standard	Optional
 <b>CONSTRUCTION</b>	Shafts and bolts	Mild steel	Stainless steel
	Endflanges	Cast iron	Stainless steel
	Shell	Mild steel	Stainless steel
	Junctionbox	Cast iron	Stainless steel
	Cable		Shielded or non-shielded
	Sealing mild steel	RB	HD, MFS
	Sealing stainless steel		RB, HD, MFS
 <b>SHELL</b>	Crowned	•	
	Cylindrical		•
	Lagging, cold vulcanised		•
	Lagging, hot vulcanised		•
	Lagging, FDA approved		•
 <b>ELECTRO MOTOR</b>	Three-phase asynchronous	•	
	Power supply	400/690 V - 50 Hz	Other voltages and frequencies on request
	Twin drive (double power)		•
	Insulation class	F	H
	Thermal protection		Bi-metal or thermistor
	Run by frequency inverter	•	
 <b>OTHER OPTIONS</b>	Food grade oil		•
	Backstop, mechanical		•
	Brake, electro mechanical		•
	Other facewidth's		•
	Special shaft dimensions		•
	Encoder or sensorbearing in drum motor		•
	Sensorbearing in tail drum		•
 <b>CERTIFICATES</b>	CE	•	
	UL		•
	CSA		•
	ATEX zone 22, dust		•

## Our drummotors, an overview

Drummotor type	Drum diameter (mm)	Shaft diameter (mm)	Power (kW)	Speed (m/s)	Max. Beltpull (N)
TM80B20	80	20	0,07 - 0,12	0,11 - 1,15	598
TM100B25	100	25	0,08 - 0,37	0,007 - 3,60	1300
TM113B25	113	25	0,12 - 0,55	0,008 - 4,40	1150
TM127-25	127	25	0,25 - 1,10	0,016 - 2,60	4100
TM138-25	138	25	0,25 - 1,10	0,017 - 2,80	3800
TM160-25	160	25	0,25 - 0,75	0,31 - 3,30	1135
TM160-30	160	30	0,25 - 2,20	0,11 - 4,00	3000
TM215-30	215	30	0,25 - 2,20	0,27 - 5,30	1900
TM215-40	215	40	0,75 - 5,5	0,17 - 4,70	5115
TM215B50	215	50	1,5 - 7,0	0,18 - 0,62	11500
TM273-40	273	40	0,75 - 5,50	0,21 - 5,00	4355
TM315-40	315	40	0,75 - 5,50	0,40 - 5,20	4020
TM315-50	315	50	2,2 - 11,0	0,34 - 4,40	7125
TM315-60	315	60	3,0 - 11,0	0,22 - 1,40	12790
TM400-50	400	50	2,2 - 11,0	0,40 - 4,80	5700
TM400-60	400	60	3,0 - 22,0	0,45 - 4,20	10960
TM500-60	500	60	3,0 - 22,0	0,55 - 4,40	8905
TM500A75	500	75	15,0 - 30,0	1,00 - 3,20	14250
TM500A100	500	100	15,0 - 30,0	0,55 - 1,25	25300
TM620A75	620	75	15,0 - 30,0	1,25 - 3,90	11400
TM630A100	630	100	37,0 - 55,0	1,60 - 4,00	21970
TM800A100	800	100	37,0 - 55,0	2,00 - 5,10	17575
TM800A130	800	130	55,0 - 132,0	2,00 - 4,50	35625

### Contact us

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### Representatives

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