



Van der Graaf  
Power Transmission Equipment



# TM215B50

Drummotor

Product information

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

## Selection table TM215B50

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=600 (kg)
		0,62 10385	0,56 11500												
295 PL2	7,00												600	15,1	117
275 PL2	5,50	0,62 8160	0,56 9035										600	11,0	117
255 PL2	4,00	0,62 5935	0,56 6570										600	7,9	117
455 PL2	4,00	0,31 11870	0,28 13140										600	8,8	117
440 PL2	3,00	0,31 8900	0,28 9855										600	6,6	117
630 PL2	2,20	0,20 10120	0,18 11240										600	5,5	117
620 PL2	1,50	0,20 6900	0,18 7665										600	3,7	117

Available standard facewidth's: 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm.

Minimum facewidth can deviate, see cable exit options.

The total weight of a drummotor grows approx. 5,5 kg per 100 mm.

When an electro-mechanical brake is fitted, the minimum facewidth is increased by 100 mm.

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

## Selection table TM215B50 Dahlander

TYPE	Power (kW)	Beltspeed at 50 Hz (m/s) Beltpull (N)										Min. L (mm) Design A		Full load curr. at 400 V/50 Hz (A)	Weight L=600 (kg)
		0,31/0,62 6530/4450	0,28/0,56 7230/4930												
430/240 PL2	2,20/ 3,00												600	5,0/6,9	117

Available standard facewidth's: 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm.





Minimum facewidth can deviate, see cable exit options.

The total weight of a drummotor grows approx. 5,5 kg per 100 mm.

When an electro-mechanical brake is fitted, the minimum facewidth is increased by 100 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 or polyamide
	Cable		Shielded or non-shielded
	Sealing mild steel	HD-1	MFS
	Sealing stainless steel	HD-1	
 <b>SHELL</b>	Crowned	•	
	Cylindrical		•
	Balanced		•
	Lagging, cold vulcanised		•
	Lagging, hot vulcanised		•
	Lagging, FDA approved		•
	Fitted with grooves, patterns		•
	Sprockets		•
 <b>ELECTRO MOTOR</b>	Three-phase asynchronous	•	
	Power supply (P < 3 kW)	230/400 V - 50 Hz	Other voltages and frequencies on request
	Power supply (P ≥ 3 kW)	400/690 V - 50 Hz	Other voltages and frequencies on request
	Two speed (Dahlander)		•
	Insulation class	F	•
	Thermal protection		Bi-metal or thermistor
	Run by frequency inverter	•	
 <b>OTHER OPTIONS</b>	Food grade oil		•
	Backstop, mechanical		•
	Brake, electro mechanical		•
	Inclined or vertical position		•
	Other facewidth's		•
	Different shaft designs		•
	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)	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
TM315B60	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

Van der Graaf B.V.  
De Weijert 14  
8325 EM Vollenhove  
The Netherlands  
Tel.: 0031 527 241 441  
sales@vandergraafpte.nl

### Representatives

Check our website for your regional  
representative  
[www.vandergraafpte.nl](http://www.vandergraafpte.nl)