

# Extreme duty series DRUM MOTORS

Van der Graaf, a family organization, is known worldwide for producing high quality and reliable products. The main factory and head office is based in the picturesque town of Vollenhove, Netherlands.

Van der Graaf's 'core' product the 'GV' Drummotor has been further enhanced with a new product range designed for the bulk handling industries.

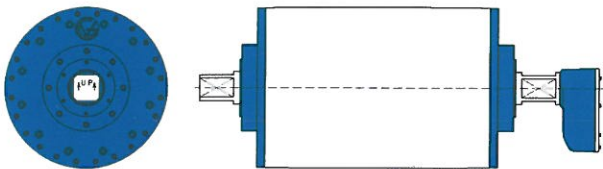
## TM500A100 - PL2

The new TM 500A100 PL2 is a 500 mm diameter drum equipped with a planetary gearbox to give a combination of high power (kW) with low belt speed (m/s).

As an example, a 30-kW motor is available with a belt speed of only 1.0 m/s (belt pull 28500 N) and a 11 kW motor with a speed of 0.4 m / s (belt pull 26130 N).

This enables the drum to deliver very high torque in a compact size, making this product an ideal choice for 'bunker' conveyors or elevators where high 'pull-out' torque is needed in a confined space.

TM500A100 PL2  
mild steel drummotor with cast iron junctionbox



## TM800A130

The TM 800A130 Drummotor is available with a maximum power of 132 kW. This drum can be fitted with zero maintenance MFS (Mechanical face seal) seals for extreme dust applications as experienced in the coal transportation, mining, and other industries e.g power generation plants and steel manufacturing.

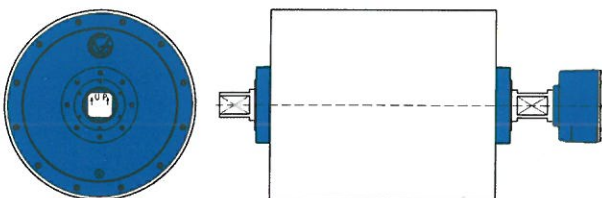
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## TM630A100 en TM800A100

With a power range from 22 kW to 55 kW and available from a length of only 1000 mm, this 'extreme' duty Drummotor motor is ideal for the mobile crusher market and many other bulk handling applications. All Van der Graaf drums of this size only use 'in-house' manufactured gears that are hardened honed and ground to very high tolerances ensuring lower power consumption and long life.

TM800A130  
mild steel drummotor with cast iron junctionbox



Van der Graaf  
Power Transmission Equipment



TYPE	Power kW	Beltspeed m/s at 50 Hz Beltpull N						L min.
440 PL2	30.0	1.25	1.00					1000
		22800	28500					
430 PL2	22.0	1.25	1.00	0.80				900
		16720	20900	26130				
425 PL2	18.5	1.25	1.00	0.80				900
		14060	17580	21970				
620 PL2	15.0	0.80	0.65	0.55				900
		17810	21920	25910				
815 PL2	11.0	0.65	0.50	0.40				900
		16070	20900	26130				
TYPE	Power kW	Beltspeed m/s at 50 Hz Beltpull N						L min.
475 Z	55	4.00	3.15	2.50				1000
		13065	16585	20900				
460 Z	45	4.00	3.15	2.50	2.00			1000
		10690	13570	17100	21375			
650 Z	37	4.00	3.15	2.50	2.00	1.60		1000
		8790	11160	14060	17575	21970		
840 Z	30	3.15	2.50	2.00	1.60	1.25		1000
		9050	11400	14250	17815	22800		
830 Z	22	3.15	2.50	2.00	1.60	1.25	1.00	1000
		6635	8360	10450	13065	16720	20900	
TYPE	Power kW	Beltspeed m/s at 50 Hz Beltpull N						L min.
475 Z	55	5.10	4.00	3.15				1000
		10245	13065	16585				
460 Z	45	5.10	4.00	3.15	2.50			1000
		8380	10690	13570	17100			
650 Z	37	5.10	4.00	3.15	2.50	2.00		1000
		6890	8790	11160	14060	17575		
840 Z	30	4.00	3.15	2.50	2.00	1.60		1000
		7125	9050	11400	14250	17815		
830 Z	22	4.00	3.15	2.50	2.00	1.60	1.25	1000
		5225	6635	8360	10450	13065	16720	
TYPE	Power kW	Beltspeed m/s at 50 Hz Beltpull N						L min.
418 Z	132	4.5	4.00					1400
		27865	31350					
415 Z	110	4.50	4.00	3.15				1400
		23220	26125	33175				
612 Z	90	4.50	4.00	3.15	2.50			1400
		19000	21375	27145	34200			
610 Z	75	4.50	4.00	3.15	2.50	2.00		1400
		15835	17815	22620	28500	35625		
675 Z	55	4.50	4.00	3.15	2.50	2.00		1400
		11610	13065	16585	20900	26125		
875 Z	55	1.60						1400
		32655						



#### Netherlands

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**Van der Graaf**  
Power Transmission Equipment

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