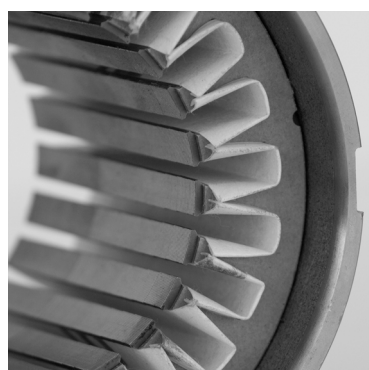
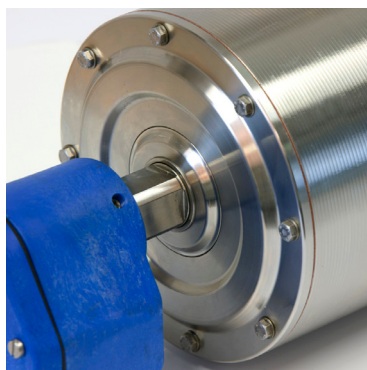


Product information

Drummotors

**TM 500-60**



*Van der Graaf*  
Power Transmission Equipment



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## Introduction

This catalogue contains standard designs of the TM 500-60. This drummotor can be provided in steel or (partly) stainless steel (304 or 316). Stainless steel executions have different dimensions then steel executions.

For different lengths or executions please contact us or your local distributor.

We reserve the right to change technical specifications.

## Address details

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## Product overview TM 500-60

| TYPE<br>TM 500.60              | Power<br>kW | Beltspeed m/s at 50 Hz<br>Beltpull N                                      |                                                                           |                     |                     |                     |                     | Min. L mm<br>Design<br>A | Min. L mm<br>Design<br>B | Full load curr.<br>400 V - 50 Hz<br>I = ... A | Weight<br>kg<br>L=850 |     |
|--------------------------------|-------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|--------------------------|-----------------------------------------------|-----------------------|-----|
| 230 Z<br><br>230 ZV            | 22,0        | <b>4,40</b><br>4750<br><br><b>3,20</b><br>6530                            | <b>3,80</b><br>5500<br><br><b>2,70</b><br>7740                            |                     |                     |                     |                     | 700<br>(750)             | 750<br>(800)             | 39                                            | 365                   |     |
| 225 Z<br><br>225 ZV            | 18,5        | <b>4,40</b><br>3990<br><br><b>2,70</b><br>6505                            | <b>3,80</b><br>4625<br><br><b>2,70</b><br>6505                            | <b>3,20</b><br>5490 |                     |                     |                     |                          | 700<br>(750)             | 750<br>(800)                                  | 34                    | 365 |
| 220 Z<br><br>220 ZV            | 15,0        | <b>2,70</b><br>5275<br><br><b>2,00</b><br>7125                            | <b>2,30</b><br>6195<br><br><b>1,60</b><br>8905                            |                     |                     |                     |                     | 650<br>(700)             | 700<br>(750)             | 28,0                                          | 355                   |     |
| 415<br><br>415 Z<br><br>415 ZV | 11,0        | <b>4,70</b><br>2225<br><br><b>2,20</b><br>4750<br><br><b>1,60</b><br>6530 | <b>3,40</b><br>3075<br><br><b>1,90</b><br>5500<br><br><b>1,30</b><br>8040 | <b>2,70</b><br>3870 |                     |                     |                     |                          | 650                      | 700                                           | 21,0                  | 355 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 410<br><br>410 Z<br><br>410 ZV | 7,5         | <b>4,70</b><br>1515<br><br><b>1,40</b><br>5090<br><br><b>1,00</b><br>7125 | <b>3,40</b><br>2095<br><br><b>1,20</b><br>5940<br><br><b>0,80</b><br>8905 | <b>2,90</b><br>2455 | <b>2,10</b><br>3395 | <b>1,60</b><br>4455 |                     |                          | 600                      | 650                                           | 14,5                  | 340 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 475<br><br>475 Z               | 5,5         | <b>4,70</b><br>1110<br><br><b>1,00</b><br>5225                            | <b>3,40</b><br>1535<br><br><b>0,80</b><br>6530                            | <b>3,20</b><br>1635 | <b>2,90</b><br>1800 | <b>2,10</b><br>2490 | <b>1,60</b><br>3265 | <b>1,20</b><br>4355      | 600                      | 650                                           | 12,0                  | 335 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 455<br><br>455 Z               | 4,0         | <b>4,70</b><br>810<br><br><b>1,00</b><br>3800                             | <b>3,40</b><br>1120<br><br><b>0,80</b><br>4750                            | <b>3,20</b><br>1190 | <b>2,90</b><br>1310 | <b>2,10</b><br>1810 | <b>1,60</b><br>2375 | <b>1,20</b><br>3165      | 600                      | 650                                           | 9,5                   | 330 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 655<br><br>655 Z<br><br>655 ZV | 4,0         | <b>1,90</b><br>2000<br><br><b>0,75</b><br>5065<br><br><b>0,55</b><br>6910 | <b>1,40</b><br>2715<br><br><b>0,65</b><br>5845                            |                     |                     |                     |                     | 600                      | 650                      | 9,2                                           | 335                   |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 640<br><br>640 Z               | 3,0         | <b>2,10</b><br>1355<br><br><b>0,75</b><br>3800                            | <b>1,90</b><br>1500<br><br><b>0,65</b><br>4385                            | <b>1,40</b><br>2035 | <b>1,10</b><br>2590 | <b>0,80</b><br>3565 |                     |                          | 600                      | 650                                           | 7,0                   | 330 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 840<br><br>840 ZV              | 3,0         | <b>1,60</b><br>1780<br><br><b>0,40</b><br>7125                            |                                                                           |                     |                     |                     | 600                 | 650                      | 8,7                      | 335                                           |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 830<br><br>830 Z               | 2,2         | <b>1,60</b><br>1305<br><br><b>0,50</b><br>4180                            | <b>1,40</b><br>1495<br><br><b>0,40</b><br>5225                            | <b>1,00</b><br>2090 | <b>0,80</b><br>2615 | <b>0,60</b><br>3485 |                     |                          | 600                      | 650                                           | 8,0                   | 330 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 1230<br><br>1230 ZV            | 2,2         | <b>0,70</b><br>2985<br><br><b>0,33</b><br>6335                            | <b>0,25</b><br>8360                                                       |                     |                     |                     |                     | 600                      | 650                      | 8,2                                           | 340                   |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
| 1220<br><br>1220 Z             | 1,5         | <b>1,10</b><br>1295<br><br><b>0,38</b><br>3750                            | <b>0,95</b><br>1500<br><br><b>0,33</b><br>4320                            | <b>0,70</b><br>2035 | <b>0,55</b><br>2590 | <b>0,40</b><br>3565 |                     |                          | 600                      | 650                                           | 5,1                   | 335 |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |
|                                |             |                                                                           |                                                                           |                     |                     |                     |                     |                          |                          |                                               |                       |     |

**Available standard facewidth's: 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 - 1050 - 1100 - 1150 - 1400 - 1600 mm**

Other beltspeeds and facewidth's upon request.

Two speed drummotors upon request.

Other powers and frequencies upon request.

When a 2-pole drummotor is fitted with a backstop, the minimum facewidth is increased by 50 mm.

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

The total weight of a drummotor grows approx. 19 kg. per 100 mm.

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

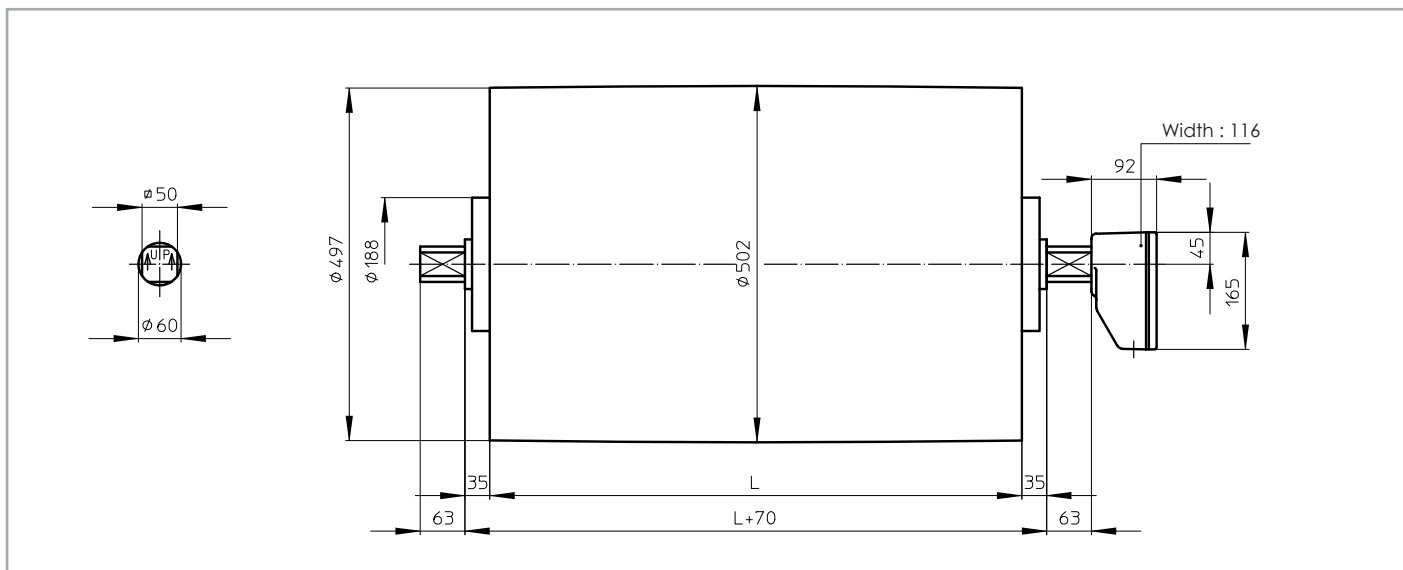
We reserve the right to technical specification changes.



## Dimensions

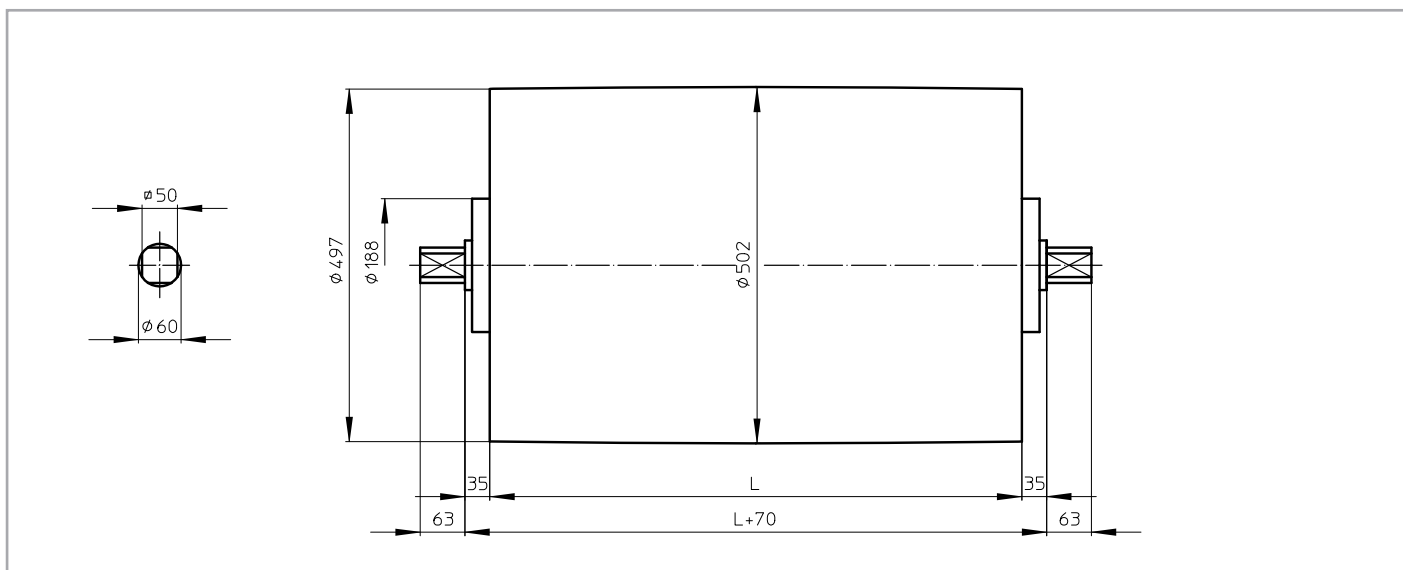
### TM 500A60

TM 500A60, mildsteel drummotor with cast iron junction box



### KT 500A60

KT 500A60, mildsteel taildrum





## Cable exit

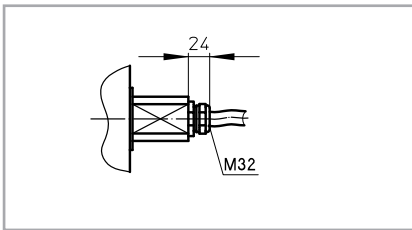
Standard execution of a TM 500-60 is with a cast iron terminal box. For stainless steel execution, this can be either a polyamide or stainless steel terminal box.

On request a drummotor can be fitted with a cable. In this case it is important to know the available voltage (preferably 1 voltage), the length of the cable, whether the cable is shielded or not and the type of cable exit.

An overview of available cable exits is shown below.

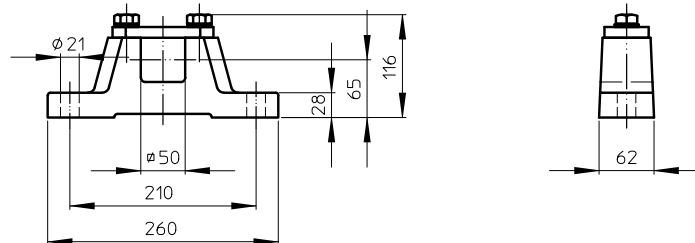
### Option 1

Straight cable exit with cable gland



### AB 60

AB 60, cast iron or steel bracket





# *Van der Graaf*

## **Power Transmission Equipment**

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