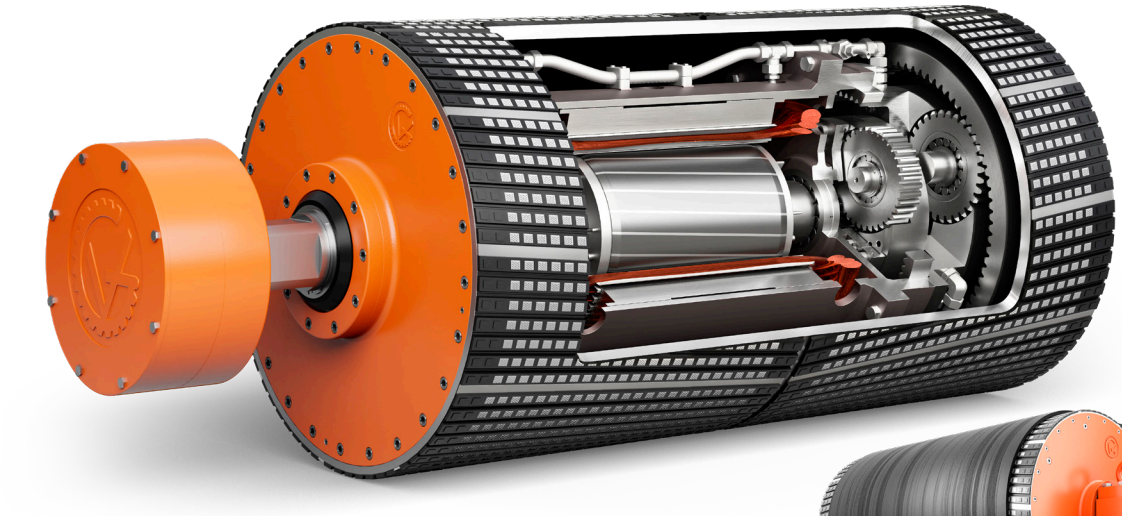
GrizzlyDrive® Series Drum Motors

GrizzlyDrive® Drum Motors are manufactured for demanding belt conveyor applications, from aggregate processing to underground mining, ship loading and power generation. The GrizzlyDrive® features high quality precision-made components, including a robust sealing system that prevents contamination, and cylindrical roller bearings that sustain high levels of belt tension, shock loads, and vibration.

All components are engineered to withstand harsh, abrasive, and dusty environments. The motor, gear reducer, and bearings are all bathed in oil, enclosed and protected inside the drive roller, and designed for 80,000 hours of continuous operation before maintenance, increasing efficiency and safety, while decreasing maintenance and operating costs. The VDG Oil Cooling-Conditioning unit, supplied as standard with GrizzlyDrive® 75 hp and higher, circulates, conditions, and cools the oil for optimal lubrication and heat dissipation, ensuring a cooler running motor and extending the life of the drive.

The optional VDG patented IronGrip™ lagging extends the life of the belt and other rotating conveyor components, such as rollers and idlers. The all-enclosed design and robust construction of the GrizzlyDrive® reduces cost of ownership, and provides belt conveyors with reliability, longevity and optimal performance even in the harshest of conditions.



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- **ELIMINATE MAINTENANCE**
- **LOWER COST OF OWNERSHIP**
- **INCREASE WORKFORCE SAFETY**
- **REDUCE MAINTENANCE & OPERATING COSTS**









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Made In USA

VDG Van der Graaf

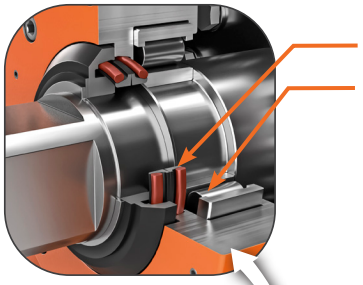
GrizzlyDrive® Drum Motor Features & Options

DIAMETER *(inches)*	HORSEPOWER RANGE *(HP)*	BELT SPEED *(ft/min)*	DRUM MOTOR *(TM)*
12.5	5.0 - 15	130 - 661	TM315B50
12.5	5.0 - 15	76 - 402	TM315B60
12.5	10 - 15	30 - 100	TM315A75
16.0	4.0 - 20	153 - 885	TM400B60
20.0	4.0 - 20	192 - 1111	TM500A60
20.0	20 - 40	245 - 750	TM500A75
20.0	20 - 75	130 - 600	TM500A100
24.0	20 - 75	146 - 925	TM600A100
31.5	20 - 75	208 - 1233	TM800A100
31.5	75 - 200	458 - 1077	TM800A130
36.0	250 - 500	365 - 745	TM915A160

All VDG premium-efficiency electric motors are manufactured in-house by VDG to Class H insulation standards, are inverter-duty, and can be supplied for all standard and non-standard voltage at 50 Hz or 60Hz for 3 phase applications. All VDG electric motors undergo a **Vacuum Pressure Impregnation** (VPI) process, increasing the life of the electric motor. GrizzlyDrive® Drum Motors are available with different options to suit various belt conveyor applications.

Advanced Mechanical Sealing System and Bearings:

Robust heavy duty mechanical oil seals prevent oil contamination. The cylindrical roller bearings sustain high levels of belt tension, shock loads, and vibration.

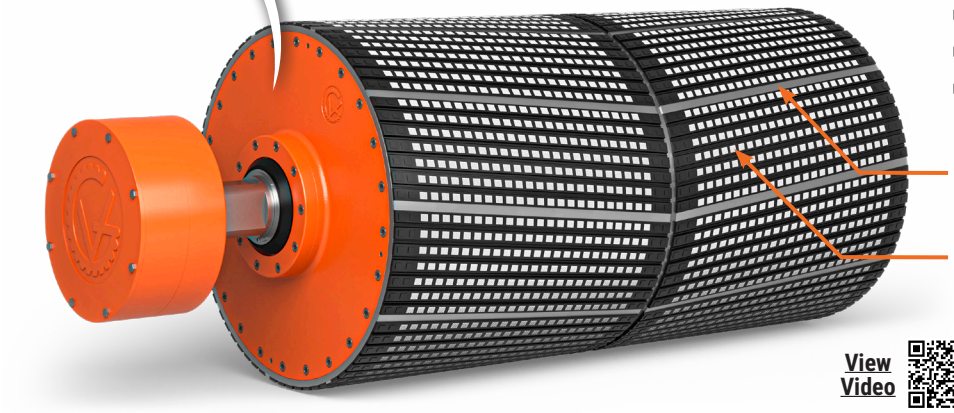


Heavy Duty Mechanical Oil Seals

Heavy Duty Cylindrical Roller Bearings

VDG IronGrip™ Lagging:

The VDG patented IronGrip™ lagging system has metal bars welded lengthwise on the drum with hot-bond vulcanized rubber lagging sections between the bars. The metal bars prevent the rubber from wearing below the bars.



- **IMPROVE TRACKING**
- **INCREASE TRACTION BY 40%**
- **EXTEND THE LIFE OF THE BELT**

Welded metal bars; straight or chevron pattern

Lagging sections; with or without ceramic tiles

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