

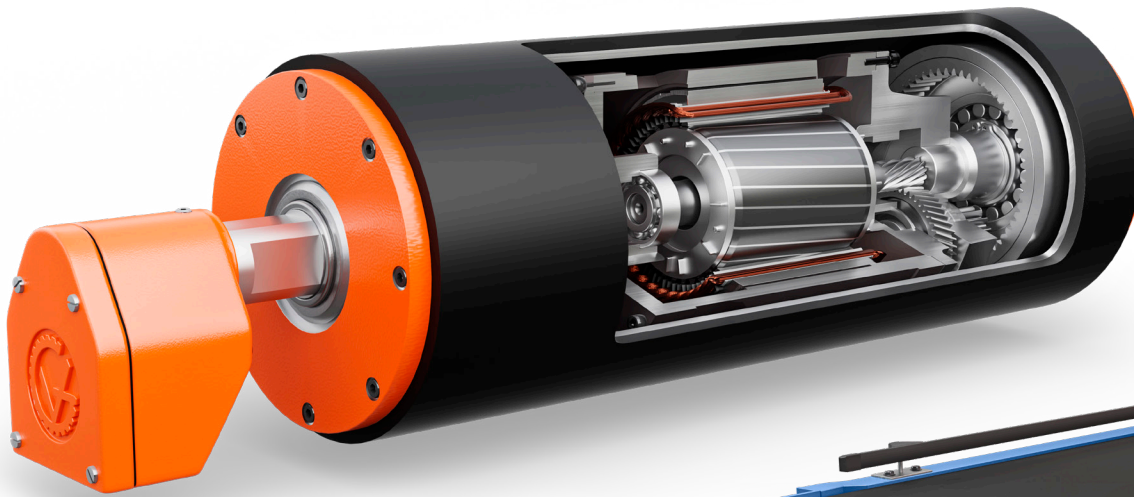
Standard Series Drum Motors: TM100 - TM315



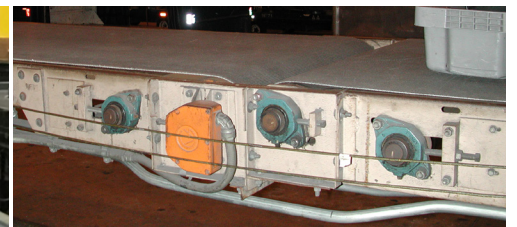
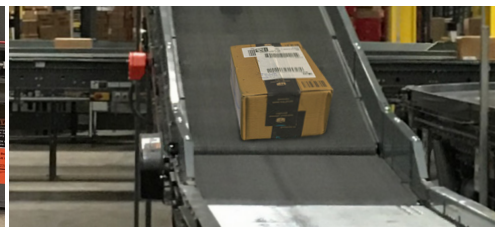
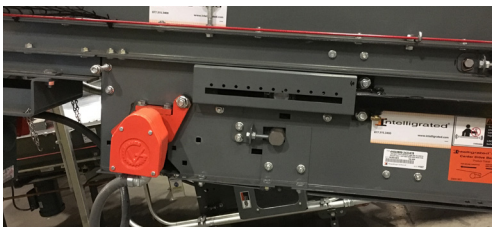
Standard Series Drum Motors are designed for belt conveyors for a variety of material handling and processing applications, from packaging, warehousing, postal, parcel, to automotive and baggage handling. All VDG drum motors are engineered and precision-made in the USA and Canada. With in-house manufacturing, utilizing cutting-edge production technology and automation, VDG ensures product quality, fast delivery, and customer support.

All drive components are enclosed and protected inside the drum and are designed for 80,000 hours of continuous operation before maintenance, reducing operating costs while increasing throughput. VDG Drum Motors eliminate the safety risks associated with traditional external motor and gearbox style conveyor drives and allow more conveyors to fit into less floor or overhead space.

The electric motor is in-line with the gear reducer and operates at 96% mechanical efficiency, reducing energy consumption and costs. With gears manufactured using high quality alloy steel, reducing noise to minimal decibel levels for quiet operation, the VDG Drum Motor is well suited for open and public spaces and is a safe, efficient, and cost-effective conveyor drive solution.



- OPTIMIZE SPACE
- REDUCE ENERGY COSTS
- INCREASE WORKFORCE SAFETY
- REDUCE MAINTENANCE & OPERATING COSTS



1-888-326-1476 | info@vandergraaf.com | www.vandergraaf.com

Standard Drum Motor Features & Options



DIAMETER (inches)	HORSEPOWER RANGE (HP)	BELT SPEED (ft/min)	DRUM MOTOR (TM)
4.0	0.11 - 0.25	9 - 409	TM100
4.5	0.16 - 0.5	17 - 1039	TM113
5.0	0.25 - 1.5	5.8 - 316	TM127
6.5	0.75 - 3.0	73 - 945	TM160
8.5	2.0 - 7.5	44 - 1117	TM215
12.5	5.0 - 15.0	212 - 1039	TM315

	STANDARD	OPTION
POWER CONNECTION	Junction Box	Cable; Straight or Elbow
ELECTRIC MOTOR*	Class H (180°C) VFD rated, Inverter-duty fully reversible, VPI	GV Thermal Overload Protection
VOLTAGE	480V 3 Phase	All non-standard voltage and frequency for 3 Phase and 1 phase applications
BACKSTOP	–	CW - Clockwise or CCW - Counter Clockwise
ELECTROMAGNETIC BRAKE	–	Available for TM127 and higher
LAGGING	–	VDG patented IronGrip™ (TM160 and higher) Black Rubber: plain, diamond, or herringbone pattern USDA/FDA Blue or White Nitrile Rubber: plain, diamond, or herringbone pattern

*All VDG electric motors are encapsulated by the state-of-the-art Vacuum Pressure Impregnation (VPI) process, which is the highest industry standard for electric motor encapsulation, contributes to the longevity of the electric motor.

VDG patented IronGrip™ Lagging:

Symmetrically welded steel bars on the drum and lagging inserts vulcanized between the steel bars, prevent lagging wear below the bars, and reduces belt wear.

- **IMPROVE TRACKING**
- **INCREASE TRACTION BY 50%**
- **EXTEND THE LIFE OF THE BELT**

