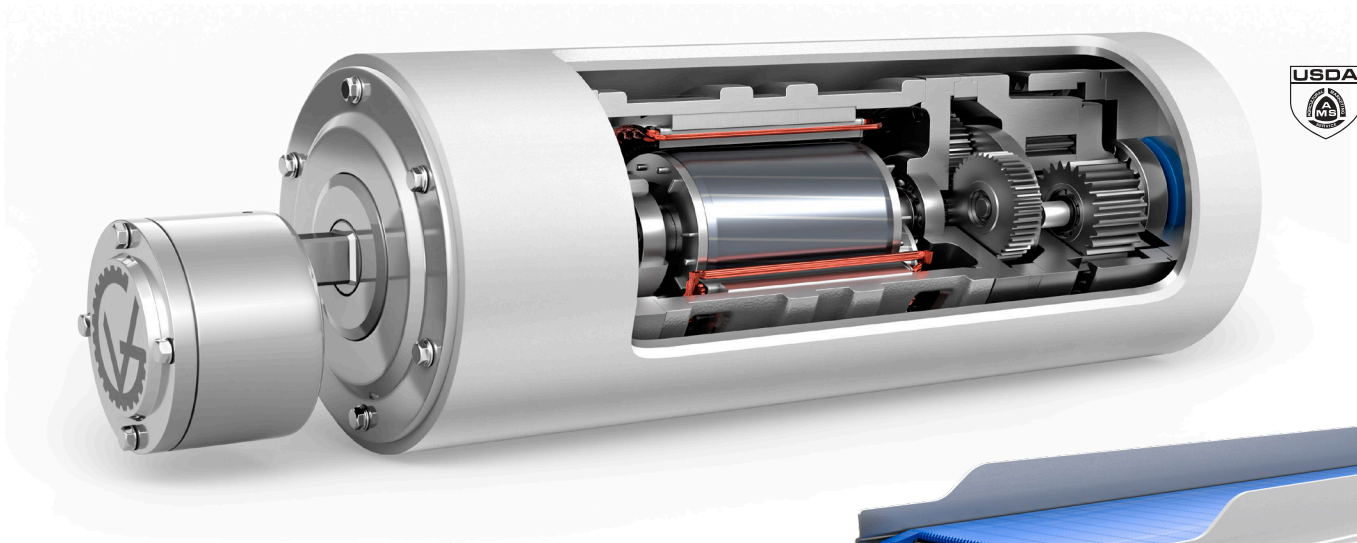
SSV™ Series Drum Motors

SSV™ Series Drum Motors are manufactured for hygienic belt conveyor applications where sanitation and food safety are paramount, in industries such as dairy, meat and poultry processing, baking and pharmaceutical. Constructed of 316-stainless steel, SSV™ Drum Motors are USDA-approved and feature an IP69K sealing system that withstands washdown pressure up to 3,000 psi.

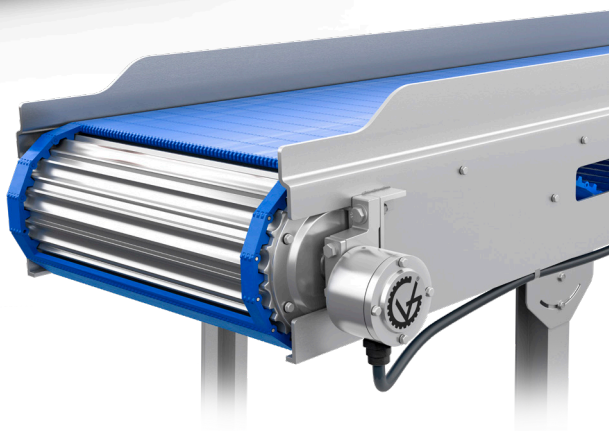
All drive components, including the electric motor, gear reducer, and bearings, are enclosed and protected inside the drive drum and designed for 80,000 hours of continuous operation before maintenance, increasing efficiency and safety while decreasing maintenance and operating costs. With the premium-efficiency (IE4) electric motor coupled in-line to the gear reducer, the SSV™ Drum Motor operates at 96% mechanical efficiency, reducing energy consumption.

To drive conveyors with modular, wire mesh, or monolithic thermoplastic belts, SSV™ Drum Motors are available either with the belt profile machined directly onto its drive drum, the belt profile machined onto a removable stainless-steel drive sleeve, or with the CleanFlow™ Sprockets. This eliminates crevices, bacterial harborage, and byproduct buildup areas, increasing hygiene and reducing water and time used for washdown by 50%.

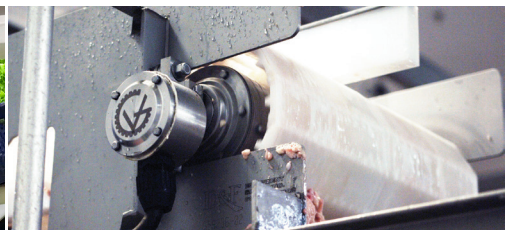


- **INCREASE SAFETY & HYGIENE**
- **ELIMINATE CREVICES & BYPRODUCT BUILDUP**
- **REDUCE WATER & TIME FOR WASHDOWN**

View Video









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Made In USA

VDG Van der Graaf

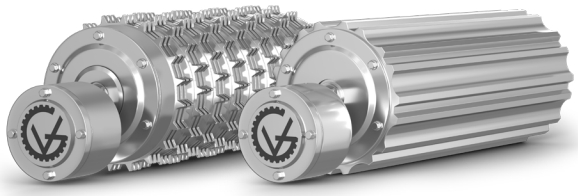
SSV™ Series Drum Motors: Features & Options

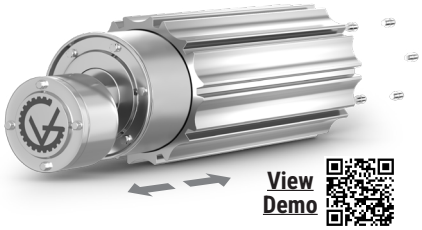
DIAMETER *(inches)*	HORSEPOWER RANGE *(HP)*	BELT SPEED *(ft/min)*	DRUM MOTOR *(TM)*
4.0	0.11 - 0.25	9 - 409	TM100B25
4.5	0.16 - 0.75	17 - 1039	TM113B25
5.0	0.25 - 1.5	5.8 - 316	TM127B30
5.4	0.25 - 1.5	6 - 343	TM138B30
6.5	0.75 - 3.0	43 - 272	TM160B40
8.5	2.0 - 7.5	47 - 1117	TM215B40
8.5	2.0 - 7.5	44 - 142	TM215B50

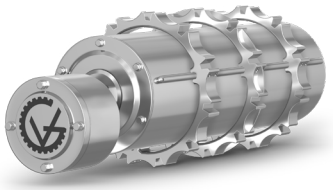
	STANDARD	OPTION
POWER CONNECTION	Junction Box	Cable; Straight or Elbow
ELECTRIC MOTOR*	Class H (180ºC) VFD rated, Inverter-duty VPI	GV Thermal Overload Protection
VOLTAGE	480V 3 Phase	All non-standard voltage and frequency for 3 Phase applications
BACKSTOP	–	CW - Clockwise or CCW - Counter Clockwise
ELECTROMAGNETIC BRAKE	–	Available for TM127 and higher
LAGGING	–	USDA/FDA Food Grade Blue or White Nitrile Rubber; Plain, Diamond, or Chevron pattern
BELT PROFILES**	–	Profiled Drive Drum Removable Profiled Drive Sleeve (TM127 & TM160 only) CleanFlow™ Sprockets

*All SSV™ Drum Motors feature a premium-efficiency (IE4) electric motor, manufactured in-house by VDG, that undergoes a **Vacuum Pressure Impregnation** (VPI) process, increasing the life of the electric motor.

**Belt profiles are available for various belt manufacturers, including Intralox, Wire Belt, Habasit, Gates, Cambridge, and Volta. Contact VDG for more details.







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