

TASKMASTER® TM8500

Voracious Twin-shaft Grinder

The TASKMASTER® TM8500 series of twin-shaft grinders provides powerful size reduction capabilities, easy maintenance and exceptional durability. The TASKMASTER reduces wood, rags, paper, sewage, sludge, tampons, cardboard, plastic, fabrics and waste items into fine particles, facilitating further processing or disposal. The TASKMASTER TM8500,

with its powerful capabilities and *Cutter Cartridge®* technology, provides a significant improvement over competing units.

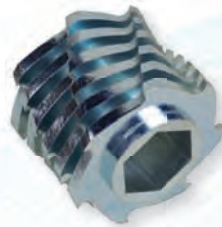


**Finely Ground Output | Prevents Ragging and Plugging | Highly Reliable
Rugged Construction | Cutter Cartridge® Technology | No Stack Re-tightening**

Protects and Enhances Plant Processes

The TASKMASTER protects downstream process equipment and keeps systems running smoothly. These versatile units are used for sewage treatment, sludge, pumping stations, sanitary or disposal facilities, institutional waste and bulk solids reduction applications. The TASKMASTER, installed inline, significantly reduces pump downtime, ragging from stringy solids, sanitary wipes and premature filter press media failure.

Cutter Cartridge® Technology



The TM8500 employs two counter-rotating cutter stacks that intermesh at close clearance to intensively shear and shred solids into fine bits. The TASKMASTER has unique *Cutter Cartridge®* technology that combine six thin cutter and spacer disks of traditional designs into a rugged one-piece multi-tooth element.

The benefits include increased unit and cutter strength, resistance to cracking, and the complete elimination of stack loosening and subsequent re-tightening requirements. This reduces grinder maintenance and enhances unit life, resulting in unsurpassed grinder reliability. These cutters are available in a variety of profiles.

Construction

The TASKMASTER TM8500 is heavily constructed for long life, durability and smooth operation. The housings are provided standard in ductile iron. Stainless steel construction is also available as an option. Cutters and shafts are constructed of hardened 4140 steel. Highly reliable, severe duty mechanical seals are housed in convenient stainless steel cartridges protecting the bearings and containing fluids within the unit.

S260 Control System:

An S260 Control System monitors unit operation and automatically cycles the grinder in case of an overload condition. This industrial control panel is supplied complete with a NEMA 4X FRP enclosure, 100,000 hour life LED indicators and more.

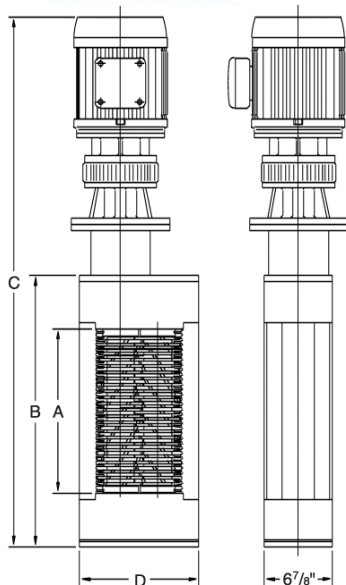


Options

- Submersible Motors (IP68) | Manhole
- Hydraulic Drives | Wet Well Frames
- Stainless Construction | Guide Rails
- Stand and Hopper



Configurations



The TM8500 can be configured for gravity feed, open channel or pipeline applications. Motor-driven units are supplied with a heavy duty, direct coupled gear drive. Optional configurations include shaft extensions, hydraulic drives or submersible explosion-proof motors. The TASKMASTER can be provided with guide frames for mounting to channels or wet wells, or with hoppers and stands for gravity-fed applications.



Above: Cutter Cartridges® are available in a choice of profiles for desired performance.



Left: The TM8500 features fewer moving parts for easy maintenance and durability.



A TASKMASTER inline grinder with flange housing.



This grinder is utilizing a submersible (IP68) motor.

Model No.	A	B	C*	D	HP (kW)	WEIGHT	GPM (l/s)
TM8508	9" (229 mm)	17.9" (454 mm)	46.9" (1191 mm)	12" (305 mm)	3 HP (2.2 kW)	425 lbs (193 kg)	320 gpm (20 l/s)
TM8512	12.9" (328 mm)	21.7" (551 mm)	50.6" (1278 mm)	12" (305 mm)	3 HP (2.2 kW)	463 lbs (210 kg)	550 gpm (35 l/s)
TM8516	16.6" (422 mm)	25.4" (645 mm)	54" (1372 mm)	12" (305 mm)	3 HP (2.2 kW)	495 lbs (225 kg)	775 gpm (49 l/s)
TM8524	24.1" (612 mm)	32.9" (836 mm)	61.5" (1562 mm)	12" (305 mm)	3 HP (2.2 kW)	560 lbs (255 kg)	1200 gpm (76 l/s)
TM8532	31.6" (803 mm)	40.4" (1026 mm)	69" (1753 mm)	12" (305 mm)	3 HP (2.2 kW)	625 lbs (284 kg)	1650 gpm (104 l/s)
TM8540	39.1" (993 mm)	47.9" (1217 mm)	76.5" (1943 mm)	12" (305 mm)	3 HP (2.2 kW)	690 lbs (314 kg)	2100 gpm (132 l/s)
TM8552	50.3" (1278 mm)	59.1" (1501 mm)	90.9" (2309 mm)	12" (305 mm)	5 HP (4.0 kW)	870 lbs (395 kg)	2750 gpm (173 l/s)
TM8560	57.8" (1468 mm)	66.6" (1692 mm)	98.4" (2499 mm)	12" (305 mm)	5 HP (4.0 kW)	935 lbs (425 kg)	3200 gpm (202 l/s)
TM8524D	24.1" (612 mm)	32.9" (836 mm)	74.3" (1887 mm)	24" (610 mm)	5 HP (4.0 kW)	878 lbs (399 kg)	2640 gpm (167 l/s)
TM8532D	31.6" (803 mm)	40.4" (1026 mm)	81.8" (2078 mm)	24" (610 mm)	5 HP (4.0 kW)	988 lbs (444 kg)	3520 gpm (222 l/s)
TM8540D	39.1" (993 mm)	47.9" (1217 mm)	89.3" (2268 mm)	24" (610 mm)	5 HP (4.0 kW)	1099 lbs (499 kg)	4400 gpm (278 l/s)
TM8552D	50.3" (1278 mm)	59.1" (1501 mm)	106.2" (2698 mm)	24" (610 mm)	5 HP (4.0 kW)	1346 lbs (611 kg)	6160 gpm (389 l/s)

*For 3HP submersible motor, add 13"
For 5HP motor, add 18".

US gallon = 3.79 liters

For inline dimensions please contact factory.