



30K MUFFIN MONSTER®

In-line/Open-channel Grinders

Troublesome solids are now easier than ever to reduce with the 30K Muffin Monster dual-shafted grinder. Its slow-speed, high-torque design shreds tough solids that typically cause sewer problems. With over 40,000 installations, the Muffin Monster is legendary for providing solutions that meet the increasingly demanding needs of wastewater operations.

The 30K Muffin Monster sewage grinder is designed to protect pumps and other equipment by grinding the toughest wastewater solids. Applications include lift stations, sludge lines, septage receiving stations, headworks screenings reduction, and more.

The 30K Muffin Monster is available as in-line and open-channel configurations. In-line 30K Muffin Monsters are available for 4, 6, 8, 10 or 12-inch pipeline sizes. Open-channel 30K Muffin Monsters are available with 8, 12, 18, 24, 32, 40, 50 or 60-inch cutter stacks.



Features

Dual-shafted grinder

- Slow-speed, high-torque grinders handle rags, rocks, wood, wipes, clothing, plastics and other debris
- Capable of grinding a wider variety of solids than single-shafted machines, macerators and chopper pumps

Compact and efficient design

- Adapts to pipelines or channels with little or no modification
- In-line 30K Muffin Monster incorporates an easy-to-remove cutter cartridge

Automated monitoring and controls

- Load-sensing and reversal mechanism to optimize grinder's performance

Benefits

Equipment protection

- Protect pumps and other critical equipment from costly clogs and damage from tough solids

Efficient treatment operations

- Grinding separates organic from inorganic materials in the waste stream
- Organics stay in the treatment process and screens are cleaner

Lower operating cost

- Clear pipes and pumps mean shorter pump run cycles and lower electrical costs



30K Muffin series Monster

Materials of construction

Housings: Ductile iron

Cutters: Hardened alloy steel

Shafts: Hardened alloy steel

Mechanical Seals: Tungsten carbide faces

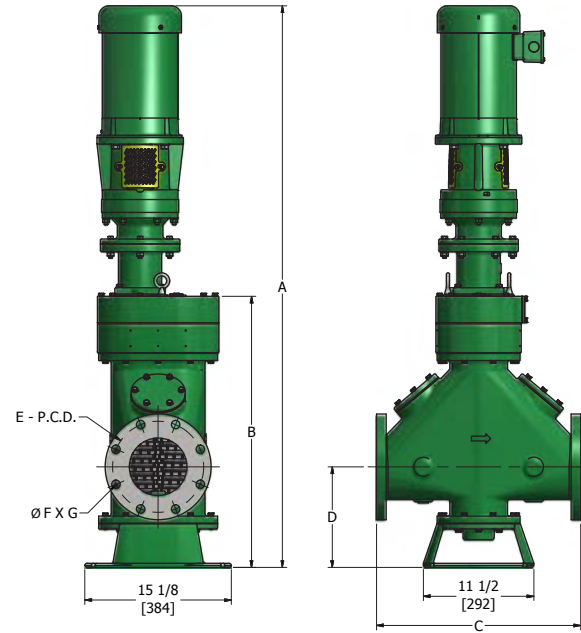
Specifications

2" (50 mm) hex shafts;

Standard 3 hp (2.2 kW) motor; 29:1 reducer

Cutter Size: 4-3/4" (120 mm) diameter cutters

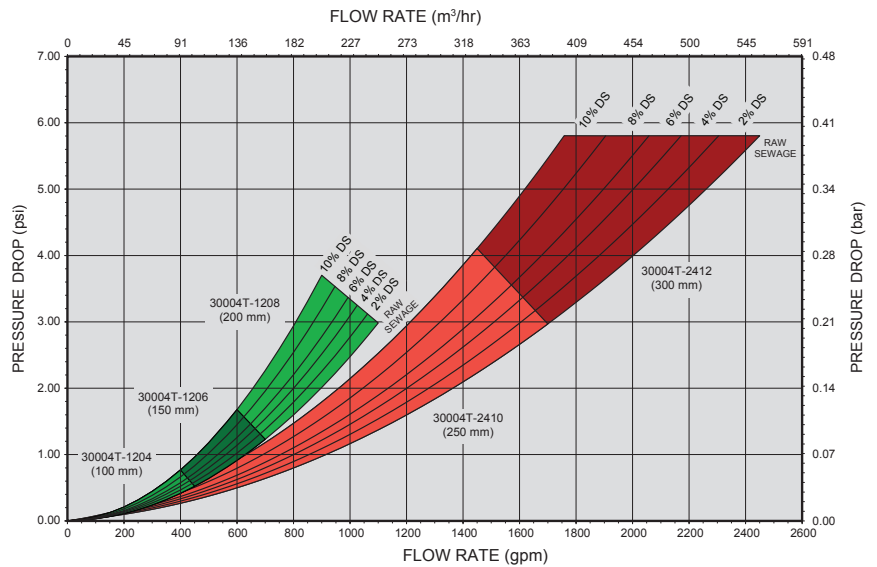
Seal Max Working Pressure: 90 psi (6 bar)



OPTIONS AVAILABLE

	In-line	Open-channel
5 hp (4 kW) Motor, 29:1 Reducer	■	■
7, 11 and 13-tooth Cutters	■	■
17-tooth Wipes Ready® Cutter	■	■
Monster Metal® Cutter	■	■
Custom Mounting Frames		■
SS & NEMA 7 Control Enclosures	■	■
Stainless Steel Feed Hopper		■
Alternate Voltage & HP Motors	■	■
Explosion-proof Motors	■	■
Immersible Motors	■	■
Hydraulic Power Pack	■	■
Extended Motor Shafts	■	■
ANSI, JIS, JWA, BS & AS Flanges	■	

MODEL 30004T



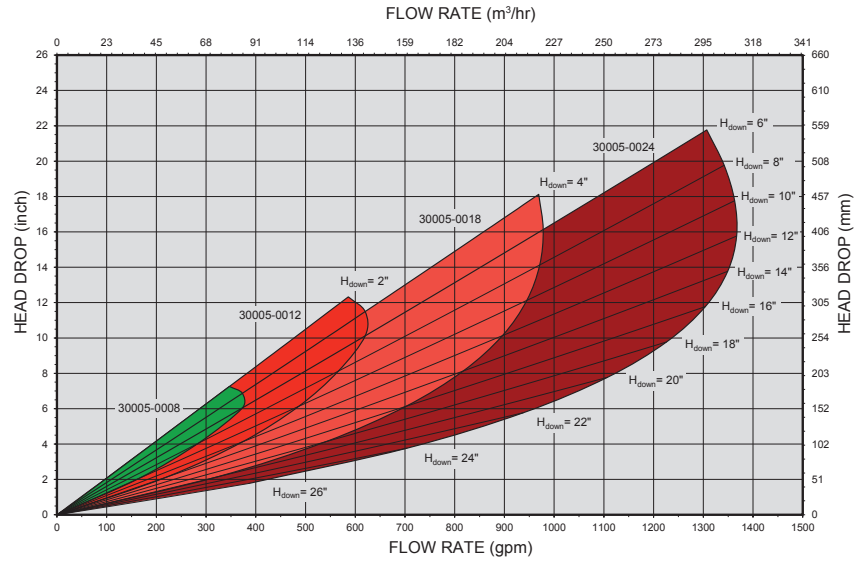
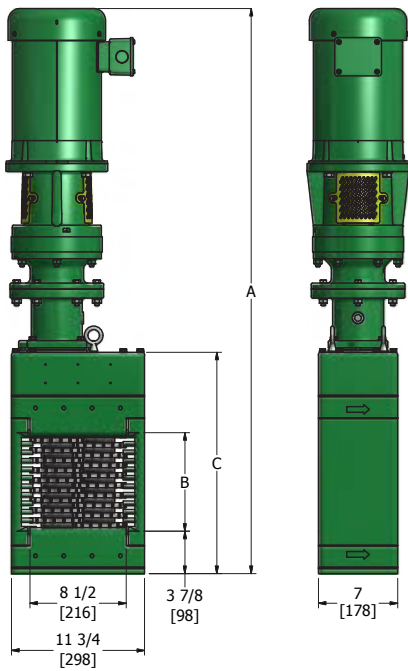
In-line Model	Flow Rate - gpm (m³/hr)	Pipeline Size - inches (mm)	Pressure Drop - psi (bar)	Standard Dimensions - inches (mm)				Flange Dimensions - inches (mm)			Approximate Net Weight - lbs (kg)
				A	B	C	D	E	F	G	
30004T-1204	450 (102)	4 (100)	0.52 (0.04)	60-1/8 (1527)	28-1/4 (718)	19-1/4 (483)	9-3/8 (238)	7-1/2 (191)	3/4 (19)	8	562 (255)
30004T-1206	700 (159)	6 (150)	1.23 (0.08)	60-1/8 (1527)	28-1/4 (718)	21-1/4 (540)	10-3/8 (264)	9-1/2 (241)	7/8 (22)	8	559 (254)
30004T-1208	1100 (250)	8 (200)	3.00 (0.21)	60-1/8 (1527)	28-1/4 (718)	23-1/4 (591)	11-1/4 (286)	11-3/4 (286)	7/8 (22)	8	568 (258)
30004T-2410	1700 (386)	10 (250)	2.97 (0.20)	71-5/8 (1819)	39-3/4 (1010)	27-1/4 (692)	12-5/16 (313)	14-1/4 (362)	1 (25)	12	789 (358)
30004T-2412	2450 (556)	12 (300)	5.80 (0.40)	71-5/8 (1819)	39-3/4 (1010)	31-1/4 (794)	13-1/4 (337)	17 (431)	1 (25)	12	809 (367)

In-line unit typically installed upstream of the pump. • Consult factory for analysis of application.
• Drive dimensions are a maximum based on a unit with a 3 hp (2.2 kW) drive.

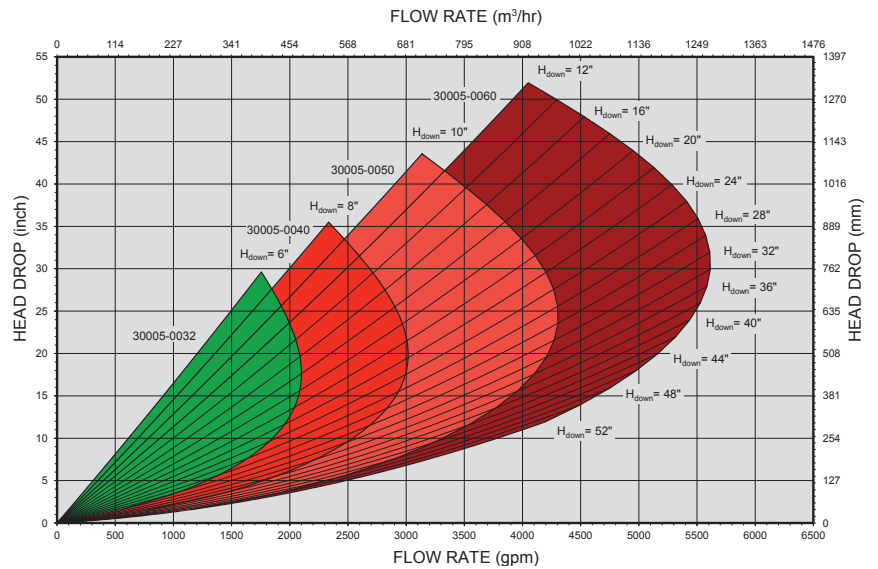


30K Muffin series Monster

MODEL 30005



MODEL 30005



Open-channel Model	Flow Rate - gpm (m³/hr)	Head Drop - inches (mm)	Standard Dimensions - inches (mm)			Approximate Net Weight - lbs (kg)
			A	B	C	
30005-0008	370 (84)	7 (178)	49-1/2 (1257)	8 (203)	19-1/2 (495)	370 (168)
30005-0012	620 (141)	11-1/2 (290)	53-5/8 (1362)	12 (305)	23-5/8 (600)	410 (186)
30005-0018	980 (223)	16 (405)	59-1/2 (1511)	18 (457)	29-1/2 (749)	465 (211)
30005-0024	1370 (311)	16 (405)	65-1/4 (1657)	24 (609)	35-1/4 (895)	520 (236)
30005-0032	2100 (477)	17-1/2 (445)	73 (1854)	32 (813)	43 (1092)	580 (263)
30005-0040	3020 (686)	19-1/2 (495)	81 (2057)	40 (1016)	51 (1295)	650 (295)
30005-0050	4310 (979)	23-1/2 (595)	90-7/8 (2308)	50 (1270)	60-7/8 (1546)	740 (336)
30005-0060	5620 (1277)	30 (760)	101-3/8 (2575)	60 (1524)	71-3/8 (1813)	845 (383)

* Flow based on optimum channel conditions. • Consult factory for analysis of application.

• Drive dimensions are a maximum based on a unit with a 182T motor frame. • Extended drive shafts are available on request.



7-tooth: Pump Stations or Prisons

11-tooth: Wastewater, Sludge or Scum

13-tooth: Heat-exchanger or Centrifuge Protection

17-tooth: Rags and Stringy Materials

Cutters

- 7, 11, 13, 17 and 23-tooth options
- 17-tooth serrated Wipes Ready cutter option
- Special cutter designs for unique needs
- Optional stainless steel cutters



Custom Wall Frame

Custom wall & channel frames

- Customized frames adapt grinder to fit installation
- Guide rails for easy installation and maintenance
- Stainless steel construction



Extended Motor Shaft

Extended motor shaft

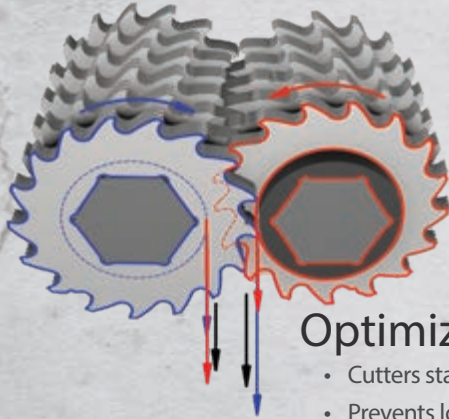
- Places motor above highest water level.
- Available in 1' (305 mm) increments.
Maximum: 15' (4570 mm)

Wipes Ready® Technology



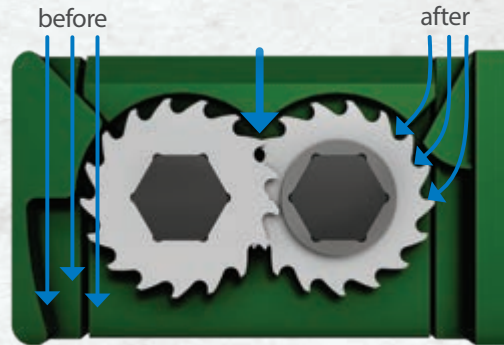
Wipes Ready cutters

- Cut wipes in two directions
- Smaller particle size = No rewearing



Optimized cut control

- Cutters stay clean
- Prevents long strips



Patented Delta P side rails

- Drive debris into cutters
- Prevent buildup
- Enhance high flow



JWC
Environmental®

A Sulzer Brand

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