



# 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 35,000 installations, the proven capabilities of the Muffin Monster is legendary in providing solutions for the ever more stringent operational needs arriving throughout the industry.

The 30K Muffin Monster sewage grinder is designed to protect pumps and other equipment by grinding down 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 grinder handle rags, rocks, wood, wipes, clothing, plastics and other debris.
- Capable of grinding a wider variety of solids than single shafted machines, macerators, or 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

- Auto load sensing and reversals reduce interrupts and optimize the 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 treatment process and screenings are cleaner.

### Lower Operating Cost

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



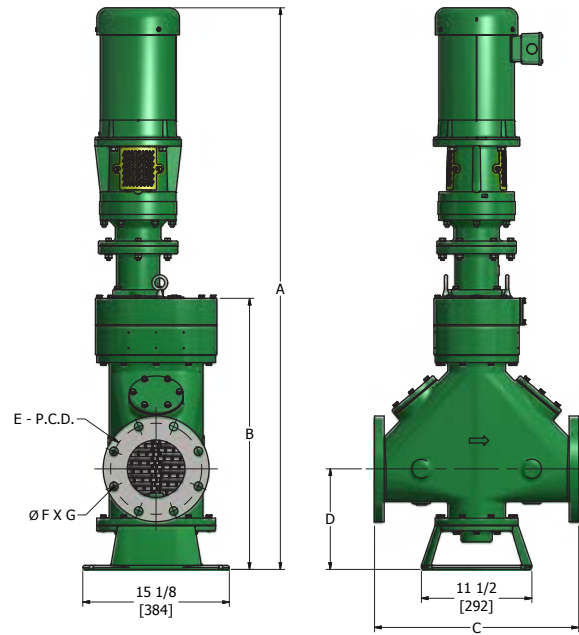
# 30K Muffin series Monster

## Materials of Construction

- Housings:** Ductile iron
- Cutters:** Hardened alloy steel standard
- Shafts:** Hardened alloy steel
- Mechanical Seals:** Tungsten carbide faces

## Specifications

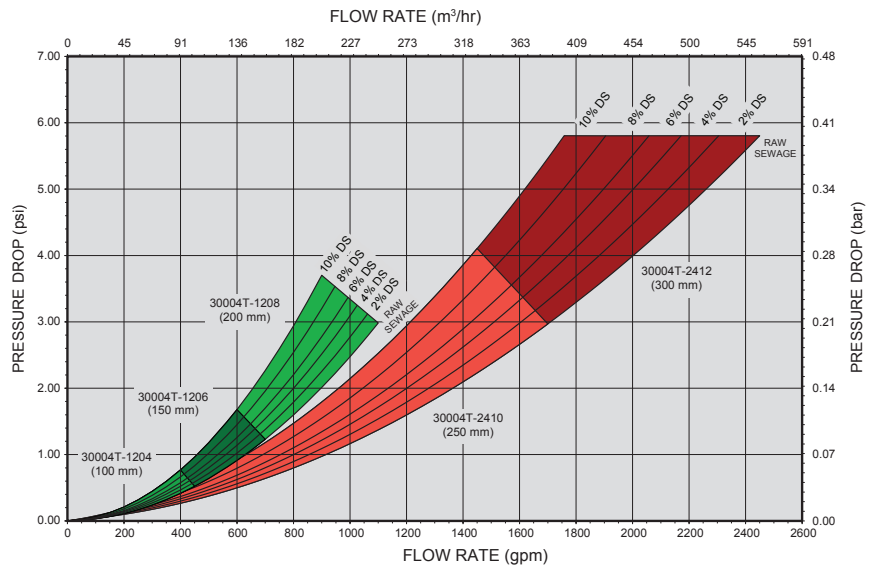
- 2" (50 mm) hex shafts;
- 3 HP (2.2 kW) TEFC motor; 29:1 reducer standard
- Cutter Size:** 4-3/4" (120 mm) diameter cutters
- Seal Max Working Pressure:** 90 PSI (6 bar) standard



## OPTIONS AVAILABLE

|  | In-Line | Open Channel |
|--|---------|--------------|
| 7, 11, 13 Tooth Cutters                  | ■       | ■            |
| 17 Tooth Wipes Ready® Cutter             | ■       | ■            |
| Monster Metal™ 11 Tooth Cutter           | ■       | ■            |
| Severe Duty Seals                        | ■       | ■            |
| Custom Mounting Frames                   |         | ■            |
| SS & NEMA 7 Controller Enclosures        | ■       | ■            |
| Alternate Voltage & HP Motors            | ■       | ■            |
| Explosion Proof Motors                   | ■       | ■            |
| Immersible Motors                        | ■       | ■            |
| Hydraulic Power Pack                     | ■       | ■            |
| Extended Motor Shafts up to 15' (4570mm) | ■       | ■            |
| ANSI, JIS, JWA, BS & AS Flanges          | ■       |              |
| Severe Duty Seals                        | ■       | ■            |

## MODEL 30004T



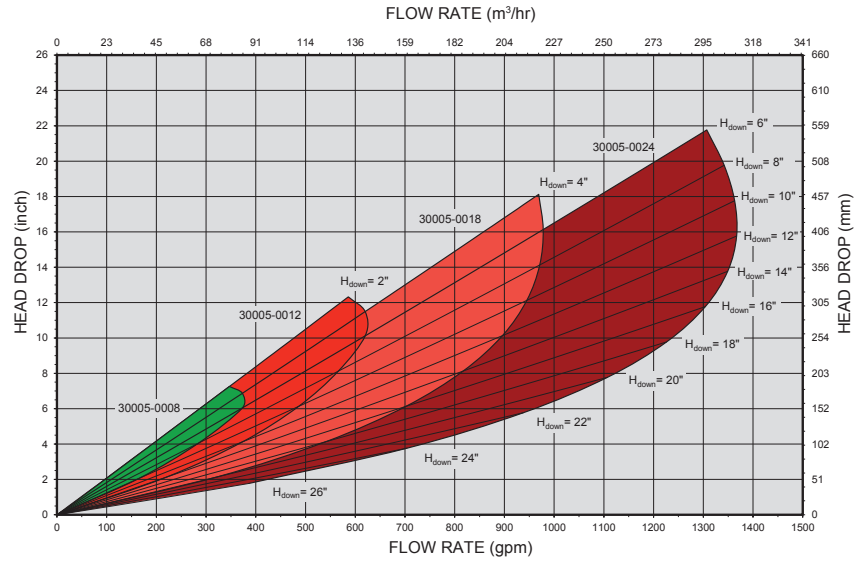
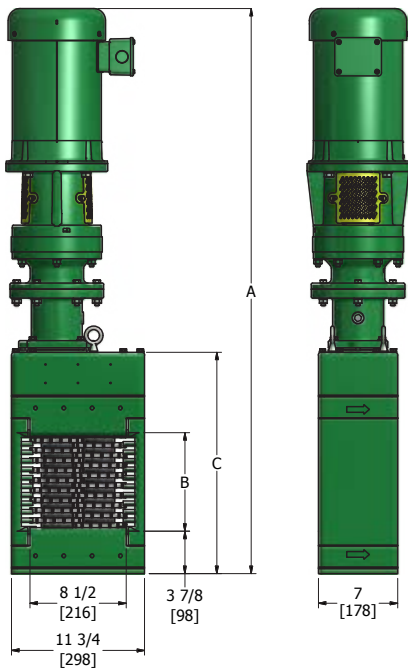
| IN-LINE Model | Flow Rate - gpm (m³/hr) | Pipeline Size - inches (mm) | Pressure Drop - psi (bar) | Standard Dimensions - inches (mm) |               |              |               | Flange Dimensions - inches (mm) |          |    | Approximate Net Weight - lbs (kg) |
|---------------|-------------------------|-----------------------------|---------------------------|-----------------------------------|---------------|--------------|---------------|---------------------------------|----------|----|-----------------------------------|
|               |                         |                             |                           | A                                 | B             | C            | D             | E                               | F        | G  |                                   |
| 30004T-1204   | 450 (102)               | 4 (100)                     | 0.52 (0.04)               | 58-1/4 (1480)                     | 28-1/4 (718)  | 19-1/4 (489) | 9-3/8 (238)   | 7-1/2 (191)                     | 3/4 (19) | 8  | 562 (255)                         |
| 30004T-1206   | 700 (159)               | 6 (150)                     | 1.23 (0.08)               | 58-1/4 (1480)                     | 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)               | 58-1/4 (1480)                     | 28-1/4 (718)  | 23-1/4 (591) | 11-1/4 (238)  | 11-3/4 (286)                    | 7/8 (22) | 8  | 568 (258)                         |
| 30004T-2410   | 1700 (386)              | 10 (250)                    | 2.97 (0.20)               | 69-3/4 (1772)                     | 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)               | 69-3/4 (1772)                     | 39-3/4 (1010) | 31-1/4 (794) | 13-1/4 (337)  | 17 (431)                        | 1 (25)   | 12 | 809 (367)                         |

In-Line unit typically installed prior to suction side of pump. • Consult factory for analysis of application.  
 • Drive dimensions are a maximum based on a unit with a 3 HP (2.2 kW) drive.

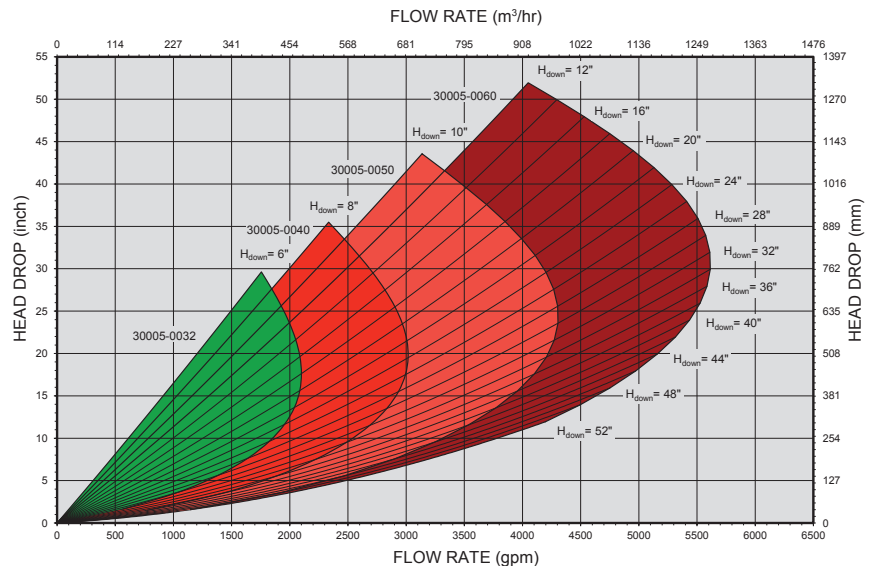


# 30K Muffin series Monster

## 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 (610)  | 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) | 61 (1549)     | 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

- Frames customized to adapt grinder to fit installation
- Guide rails for easy installation and maintenance
- Stainless steel construction



Extended Motor Shaft

## Extended Motor Shaft

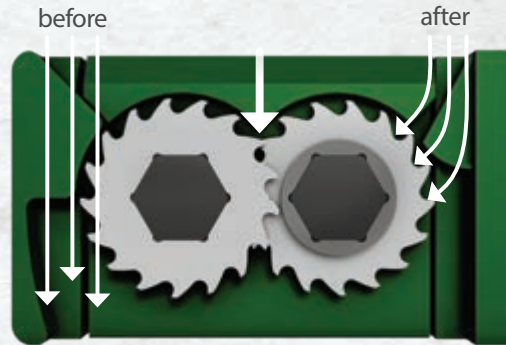
- Places motor above highest water level.
- Available in 1' (305 mm) increments.  
 Maximum: 15' (4570 mm).

# wipes ready® technology



## Wipes Ready Cutters\*

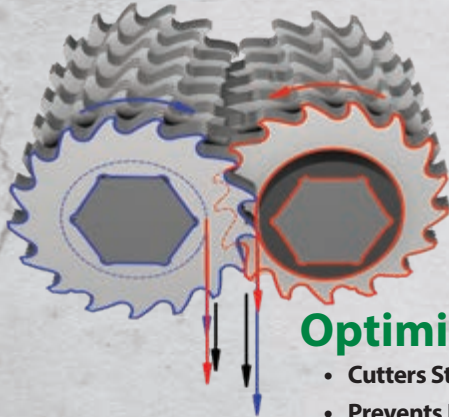
- Cut wipes in 2 directions
- Smaller particle size
- No rewearing



## Patented DELTA P Side Rails

- Drives Debris into Cutters
- Prevents Build Up
- Enhances High Flow

\* Patent Pending



## Optimized Cut Control\*

- Cutters Stay Clean
- Prevents Long Strips



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