

MODEL 16AS T/S SPECIFICATION

1.0 General Specifications

There will be furnished one (1) only Grind Hog[™] Model 16AS T/S Comminutor as manufactured by G.E.T. Industries, Inc. Rotation shall be in a clockwise direction.

1.1 Design Criteria

The comminutor shall be designed to handle the flows indicated below, within the head loss noted.

- a) hydraulic capacity 3.5 MGD (13,200m³/day)
- b) satisfactory operation shall occur under conditions of zero flow
- c) head loss at peak flow shall not exceed 20 inches (508 mm)
- d) design shall be such that the flow enters the size reduction and screening device horizontally and exits vertically downward to facilitate the flushing of solids

1.2 Cover Plate

Shall be:

- a) of heavy-duty construction and of high quality cast iron
- b) fitted with 4 position lock down arrangement, and 2 alignment holes for repositioning following service
- c) located on, and positioned by wall mounted supports allowing for ease of removal for inspection and maintenance.

1.3 Rotating Drum Screen

a) heavy-duty Cast Ductile Iron ASTM 536, grade 60-45-18

1.4 Cutting Elements

- a) replaceable shear bars constructed of high-quality A2 tool-steel shall be attached to the rotating drum. Each shear bar shall be machined from solid bar stock, surface ground to establish exact tolerances
- b) the stationary cutting bar, shall be of high-quality 01 tool steel hardened to a minimum of 56 Rockwell C, and shall be reversible, allowing for four (4) sets of cutting edges prior to sharpening or replacement
- c) all submerged fasteners shall be of stainless steel

1.5 Motor

Immersible 1.5 Hp. Motor,1750 RPM,	volt,	phase,	cycle, suited to	periodic
submergence. Power cable length 25 ft. ((7.6 m).			

1.6 Drive Arrangement

 a) the motor shall be close-coupled to a speed reducer drive, a heavy duty planetary gear of the totally enclosed non-vented type suitable for total submergence during emergencies

G.E.T. INDUSTRIES INC.

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SPECIFICATION cont'd...

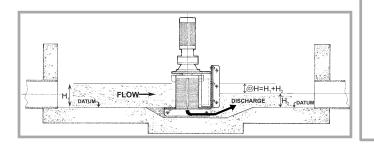


- b) double seals on the output shaft shall ensure flood-proof operation through a reduction ratio of 59:1
- c) the cycloidal reducer shall be capable of withstanding shock loads to 500% of its mechanical rating of 7.72 Hp. and be warranted for two (2) years
- d) the drive shall have a minimum full load efficiency of 90% and be pre-lubricated with grease, requiring routine maintenance every 500 to 1,000 hours

1.7 "Toilet Seat" Channel Mounting System

Shall consist of wall mounted brackets and fasteners, horizontal plate and skirt assembly, all of 304 stainless steel.

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GENERAL DATA

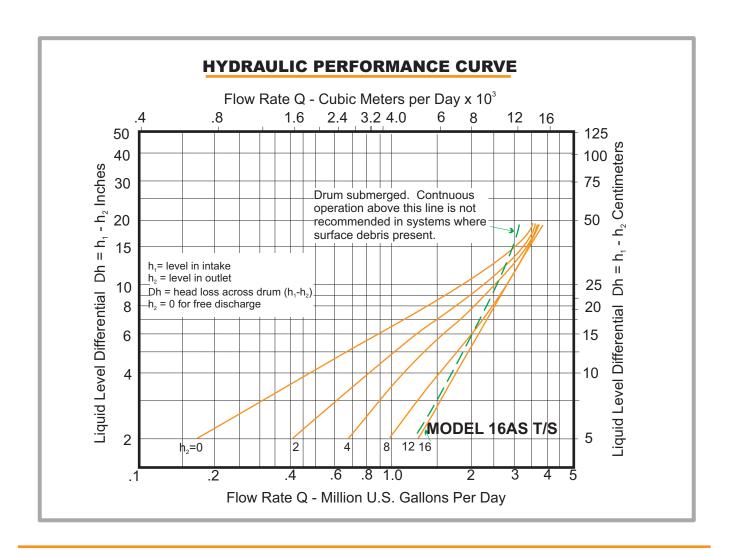
Capacity 0-3.5 MGD (US) 0-13200 m³/day

 Drum Diam. 14.5 in
 36.8 cm

 Inlet Area 202 in²
 1303 cm²

 Outlet Area 121 in²
 780.6 cm²

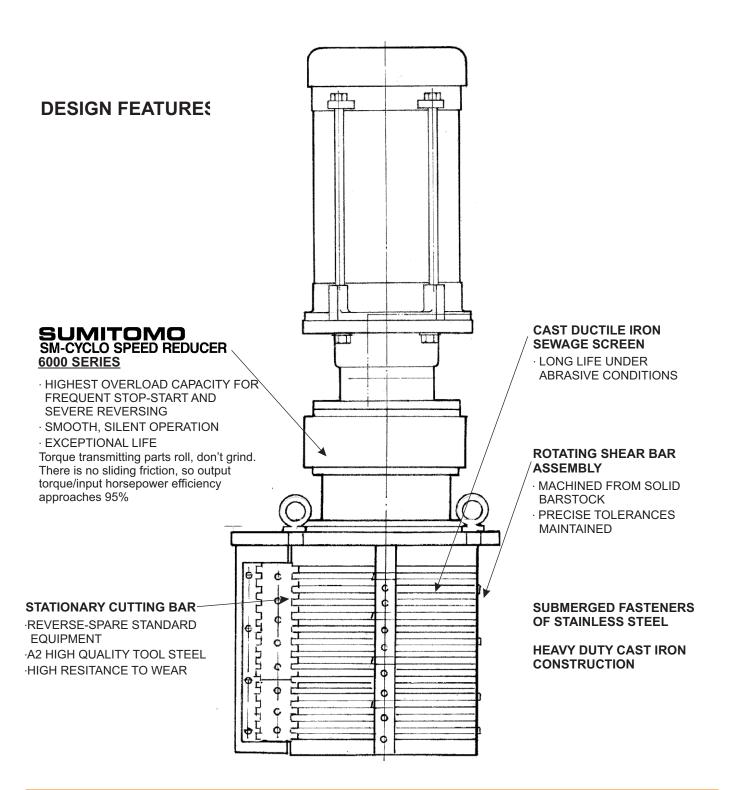
 Slot Width 0.470 in
 12 mm



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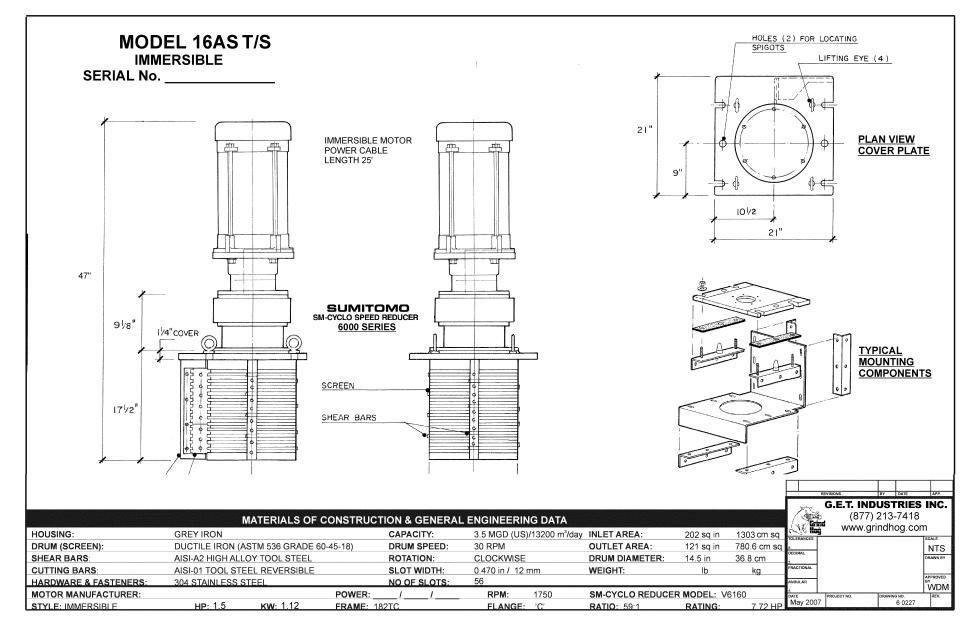
IN-CHANNEL MODEL 16 AS T/S cont'd...



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MECHANICAL DETAIL





HORIZONTAL FLOW RETROFIT ALTERNATIVE

"TOILET SEAT BOX STYLE" DROP IN REPLACEMENT

PROJECT:

ANTICIPATED PEAK FLOW: _____

EXISTING CHANNEL:

Width (w): _____ Depth (d): _____

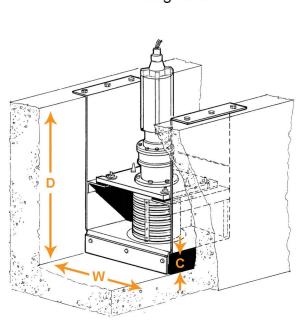
Underdrain Clearance (c): _____

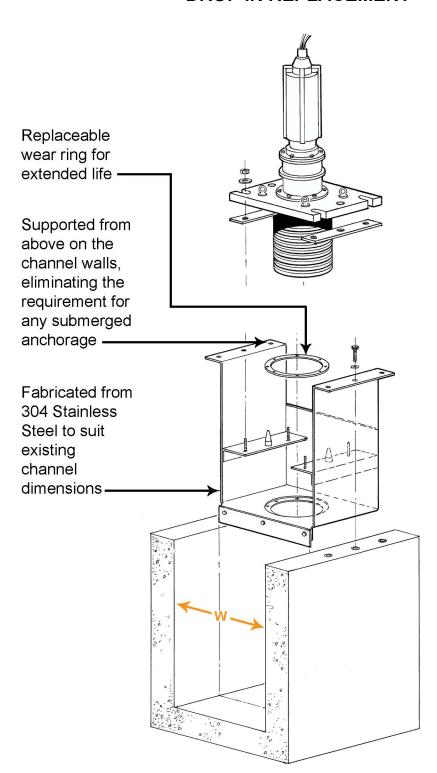
MOTOR REQUIREMENTS:

Power: ____ / ___ / _____ / _____

- REPLACING -

Barminutor Infilco Degremont
Clow Aer-O-Flo Muffin Monster
Franklin Miller-Diminutor Worthington
.....Among others





HORIZONTAL FLOW

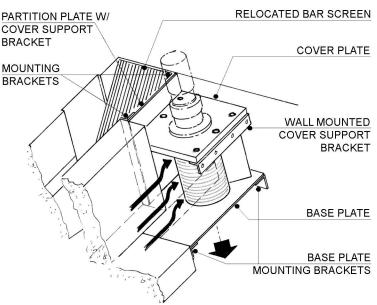
Customized to suit each application

Grind Hog

ORIGINAL CHANNEL

REMOVE 24" SECTION OF DIVIDING WALL REMOVE 18" X 24" SLAB RELOCATE BAR SCREEN

PROPOSED CHANGES





Original Worthington 15-5



Custom Fabricated Basin



16 ASX T/S



Custom Fabricated Basin & 16ASX T/S Ready for Shipment