



# CORNELL PUMP COMPANY **CHOPPER**



**EFFICIENT BY DESIGN**



# CHOPPER PUMPS

## THE CORNELL CHOPPER PUMP

The Cornell's Chopper pump is ideally suited for chopping solids. The standard casing for this pump is ASTM A536 grade 65-45-12 ductile iron. The replaceable cutter bar is T1 tool steel heat treated to a minimum 60 Rockwell C hardness. Standard construction includes a heat treated cast steel impeller. Back-to-back angular contact ball thrust bearings and single ball radial bearings make for smooth operation. Each pump is fitted with a John Crane type 2, tungsten carbide single mechanical seal. The Cornell chopper pump is a heavy-duty performer.

## CHOPPER BENEFITS

Eliminates the vast majority of clogging problems:

- Chops solids up to 2 inches
- No seal flush system necessary
- Heavy duty construction
- A variety of Mounting Configurations
- Efficiency to 65%
- TDH to 250 feet
- Operating speeds to 1800 RPM

## TYPICAL APPLICATIONS

- Lift Stations
- Septage Receiving
- Sludge Transfer and Recirculation
- Digester Scum Blankets
- Clarifier Scum



# CHOPPER PUMPS

## THE CORNELL ADVANTAGE

One of the greatest advantages of the Cornell chopper pumps is that no water flush system is necessary, eliminating the oily mess created by such systems. Our pumps are ruggedly built and require minimal maintenance. A variety of mounting configurations are available to fit your application needs.



### Cornell CHOPPER Pump Sizes:

6" x 4" or 8" x 6"

### Cornell CHOPPER Pump Capacities:

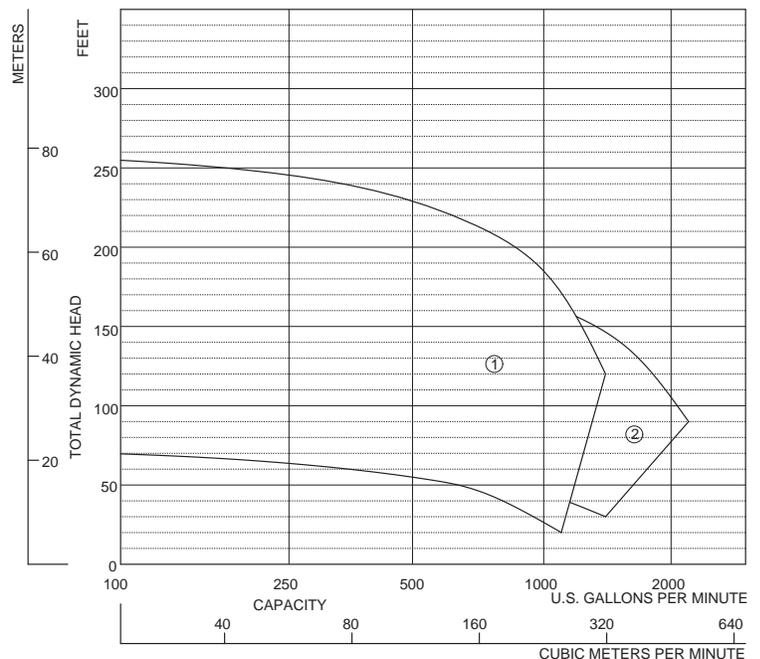
0 GPM to 2,000 GPM

### Cornell CHOPPER Pump Heads:

70 Feet to 250 Feet

Standard construction of Cornell Chopper pumps includes a ductile iron case, replaceable cutter bars of T1 tool steel (heat treated to a minimum 60 Rockwell C hardness), a heat treated cast alloy steel impeller (min. 60 Rockwell hardness) and stainless steel shaft sleeve, plus a John Crane type 2 tungsten carbide mechanical seal.

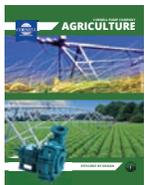
Cornell Chopper Pumps are exceptionally efficient at higher flow rates with discharge heads of up to 140' @ 1800 RPM.



4NC  
6NC



# MARKET AND PRODUCT LINE



AGRICULTURAL



FOOD PROCESS



INDUSTRIAL



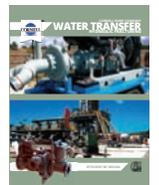
MINE DEWATERING



MUNICIPAL



REFRIGERATION



WATER TRANSFER



CHOPPER



CUTTER



EDGE™



HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



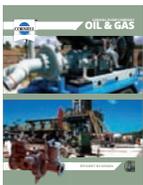
MANURE



MP SERIES



MX SERIES



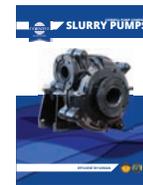
OIL & GAS



REDI-PRIME®



STX SERIES



SLURRY



SUBMERSIBLE

Cycloseal®, and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

are the subject of pending U.S. and Foreign Patent Applications.

