### NEW "MC" SERIES SUBMERSIBLE PUMPS:

3" to 14" DISCHARGE SIZES

DRY PIT
WET PIT
PORTABLE
HORIZONTAL OR VERTICAL

#### **MOTORS:**

4-POLE 4 - 106HP 6-POLE 3 - 78HP 230V / 460V/3PH / 60HZ

FLOWS to 8,000 US GPM
HEADS to 230 FT
CHANNEL IMPELLER
KNIFE BLADE SYSTEM



#### **FEATURES**

- HIGH EFFICIENCY MOTORS
  - IP68 ENCLOSURE
  - CLASS F INSULATION SYSTEM
  - KLIXON TYPE THERMAL PROTECTION IN WINDINGS
  - THERMISTORS OPTIONAL
  - EXPLOSION PROOF OPTION CLASS 1, DIVISION 1, GROUPS C & D
    - MOISTURE SENSORS OPTIONAL
- MOTOR COOLING SYSTEM
  - PUMPAGE COOLED DESIGN
  - ALLOWS CONTINUOUS RUN IN DRY PIT APPLICATIONS
- TANDEM MECHANICAL SEALS
  - TUNGSTEN CARBIDE SEAL FACES
  - MOISTURE SENSOR OPTIONAL
- ENCLOSED CHANNEL IMPELLER
  - INTEGRAL BLADES EXTEND INTO A SHARP EDGED CUTTING CONE ROTATES AGAINST KNIFE BLADE SYSTEM
  - TUNGSTEN CARBIDE STREGTHENING OPTIONAL
- FIXED, ADJUSTABLE KNIFE BLADE SYSTEM
  - BLADE HARDENED TO 40 / 42 HRC
  - CHOPS FIBROUS WASTE AND DEBRIS INTO SMALL PUMPABLE SEGMENTS
  - "BLOCKAGE FREE" FLOW THROUGH PUMP AND SYSTEM
  - EASY MAINTENANCE OF CLEARANCES IN THE FIELD
  - ELIMINATES MAINTENANCE DOWN TIME
- UNIVERSAL ADAPTER OPTION
  - ENSURES COMPATABILITY WITH ALL EXISTING GUIDERAIL INSTALLATIONS, PEDESTALS AND PIPING SYSTEMS



Mody Pumps Inc.

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### MODY "MC" SERIES SUBMERSIBLE PUMP

The design of the Mody "MC" series chopper pump ensures that fibrous waste and debris in suspension are cut into small pumpable segments allowing blockage free flow through the pump. The pump has a channel impeller design with blades that extend into a sharp edged cutting cone that rotates against a fixed, adjustable knife with a hardened steel blade. The unique solids cutting mechanism makes this pump suitable for many difficult, heavy duty pumping applications and guarantees substantial reduction in maintenance time and costs.



Greased for life, maintenance free ball bearing - radial thrust load

Large diameter rotor shaft - AISI 316 stainless steel

Thermal sensors in windings to protect motor against overheating

High efficiency motor; Class F insulation; IP68 Enclosure

Strong, heavy duty cast iron (Cast iron – ASTM A-48 Class 25) or stainless steel housing

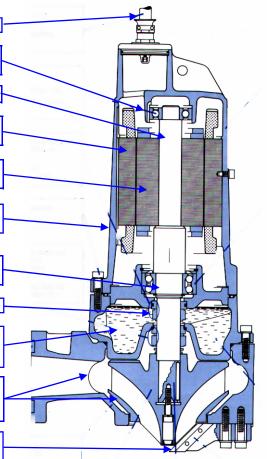
Greased for life, maintenance free duplex ball bearing - radial and axial thrust loads

#### Tandem mechanical seals

Large volume oil chamber (Cast iron – ASTM A-48 Class 25) with heat dissipating fins and moisture probe

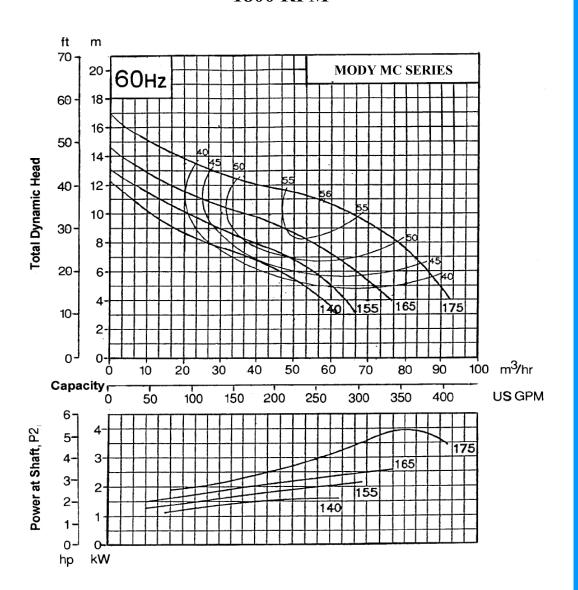
Heavy duty hydraulic end (Cast iron -ASTM A-48 Class 40B) incorporating channelled impeller with cutting cone (Austenitic Cast Iron ASTM A-436)

Stationary, adjustable cutter blade assembly hardened and tempered steel to 40/42 HRC



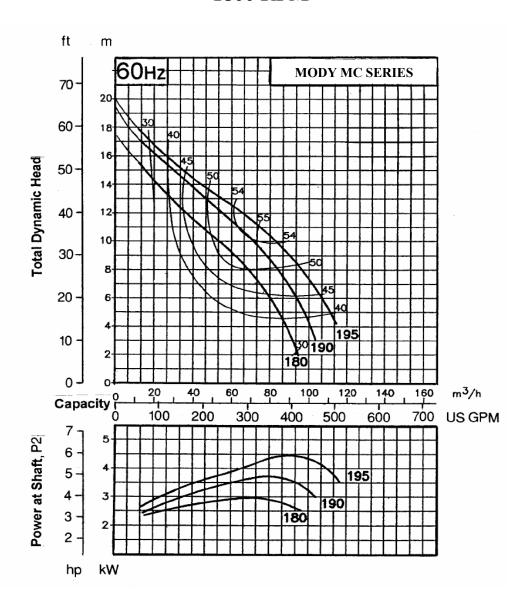


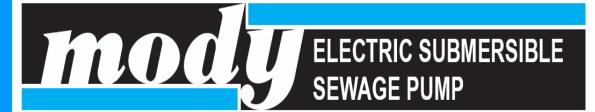
#### MC-65-175-4 1800 RPM



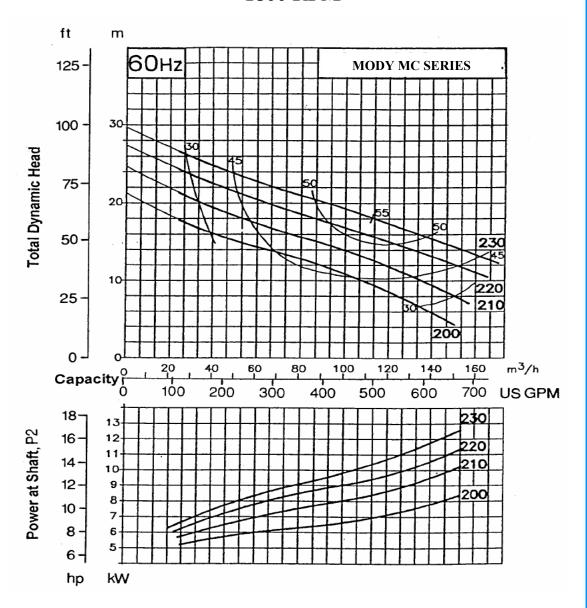


#### MC-65-195-4 1800 RPM



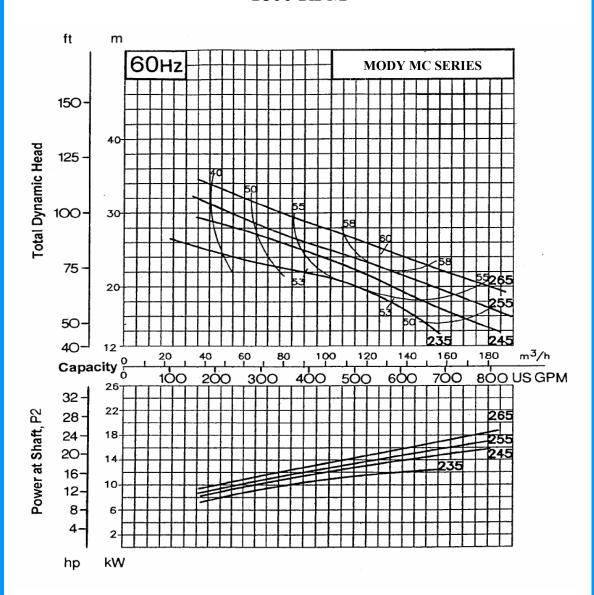


#### MC-65-230-4 1800 RPM

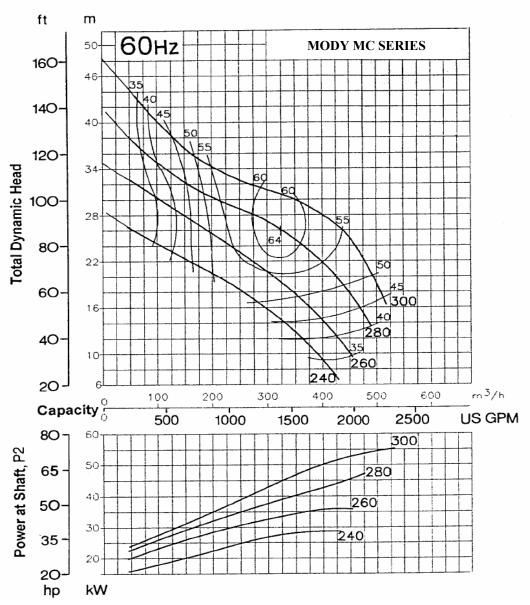




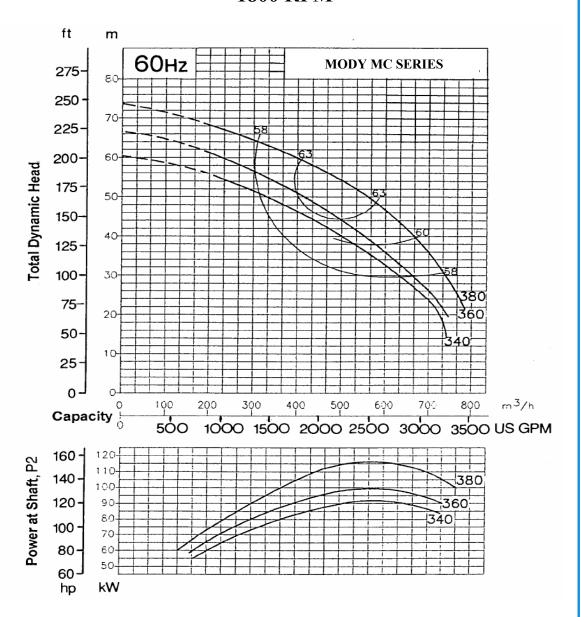
#### MC-65-265-4 1800 RPM



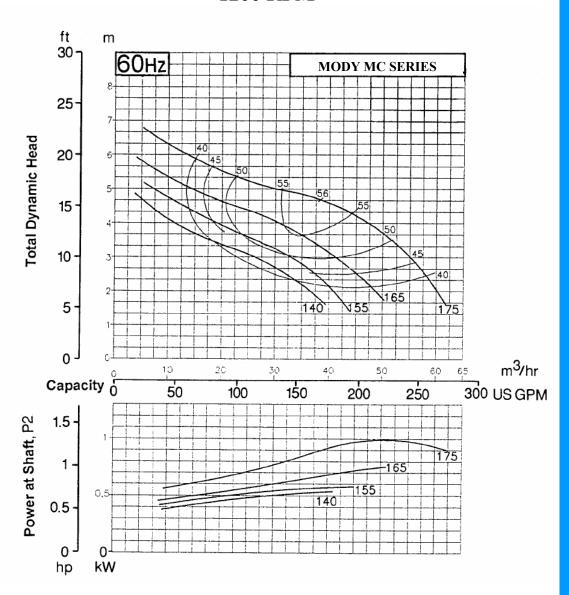
#### MC-100-300-4 1800 RPM



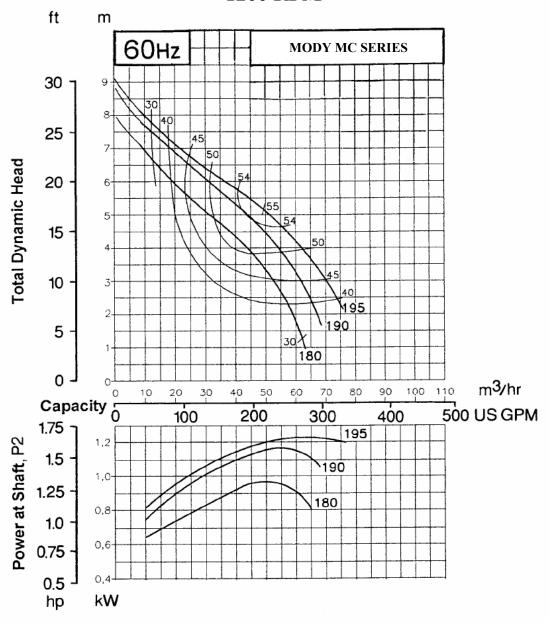
#### MC-200-380-4 1800 RPM



#### MC-65-175-6 1200 RPM



#### MC-65-195-6 1200 RPM





#### MC-65-230-6 1200 RPM

