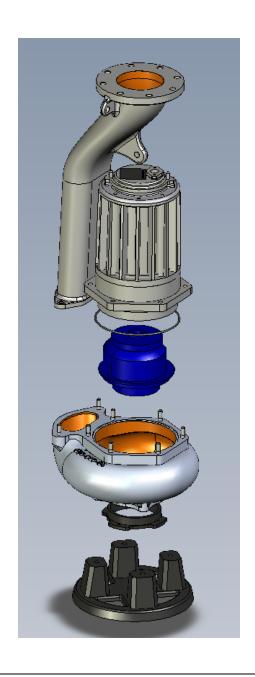
# **MH 480**

SUBMERSIBLE MANHOLE PUMP FOR MOBILE WET PIT SEWER BYPASS OPERATIONS

# Model MH 480

6" (150mm) Flange or Hose 10 HP (7.5kW) (High Volume - Low Head)





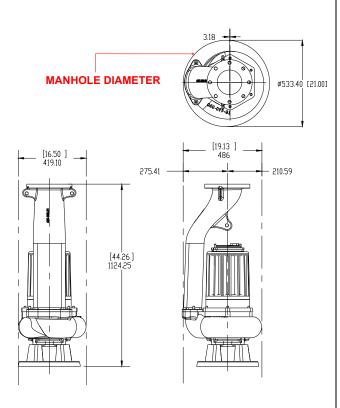


## Mody Pumps® Inc.

2166 Zeus Court, Bakersfield, CA 93308. USA Tel.: (661) 392-7600 • Fax: (661) 392-7601 http://www.modypump.com E-mail: sales@modypump.com

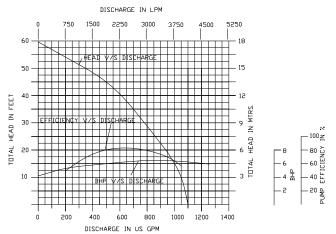


# MH - 480, 10HP (7.5kW)



### PERFORMANCE CURVE

# MANHOLE SEWAGE MODEL: MH - 480, 10 HP, 6" OUTLET



# **MH-480**

## MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MODEL HP/kW RPM 60Hz/50Hz Max. Amps (FLA @ 460v/400v) Solids Handling: inches/mm Weight - (approx.) Lbs./Kg Impeller Type Max. Temperature of Pumped Fluid: Max. Starts/Stop Per Hour:	MH 480 10/7.5 1750/1450 14/16 3"/75 490/223 Channel 104°F/40°C 15
Max. Submergence:	33'/10m

#### MOTOR

4-pole induction **continuous rated** motor with squirrel cage rotor. Bi-metallic switches (thermals) embedded in stator winding to protect against overheating. Stator insulation class 'H' (180°C)

## **POWER SUPPLY**

3 phase, 50/60 Hz, AC Supply. Available in any voltage frequency combination.(208/220/230/380/415/460/575/1000V)

### **BALL BEARINGS**

The rotor shaft is carried in two ball bearings. Double row contact lower bearing is capable of carrying high thrust and radial loads. Upper bearing is a deep groove single row oversized bearing. The bearings are enclosed with high temperature grease-containing special Anti-corrosion additive.

## **POWER CABLE**

Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 50ft. (15m) length standard. Type SOOW in North America, EPR in the Middle East and HO7RN in the EU. (4 core std., 7 core optional)

### SHAFT SEALS

Compact Tandem Tungsten Carbide/Tungsten Carbide Upper & Lower Mechanical seals minimize shaft overhang and deflection maximizing mean time between service intervals. Optional moisture sensor available to detect progressive seal wear.

### HYDRAULICS

Single Channel Impellers, Hydrodynamically balanced with improved flow pattern contribute to a virtually clog-free pump.

### COOLING

Integral cast cooling fins on motor casing with large surface area ensure efficient heat dissipation and low temperature rise. Shrink fitted stators and short shaft overhang facilitate cooling.

## MATERIALS OF CONSTRUCTION

Casing/Discharge: Cast Alloy Steel ASTM A487

Impeller: Cast Iron ASTM A48 Class 30 (FG 220)

Shaft: 431 Stainless Steel
Hardware: 304 Stainless Steel
"O" Rings: Nitrile Rubber

Mech. Seals: TC/TC (Upper & Lower)

## SURFACE TREATMENT

Primer with Epoxy and subsequently coated with black chloric paint for max. corrosion resistance. pH Range 6 - 11.

Due to continuous product development, specifications are subject to change without notice.