

# 18" HYDRAULIC SUBMERSIBLE AXIAL FLOW HIGH VOLUME PUMP

## MODEL S18M

18" (450 mm) Discharge

The S18M is designed for pumping high volumes of water at low to medium heads. The mixed flow impeller allows this pump to be used in a wide range of applications including lake draining, stream by-pass, flood control, drydock, foundation and cofferdam de-watering.



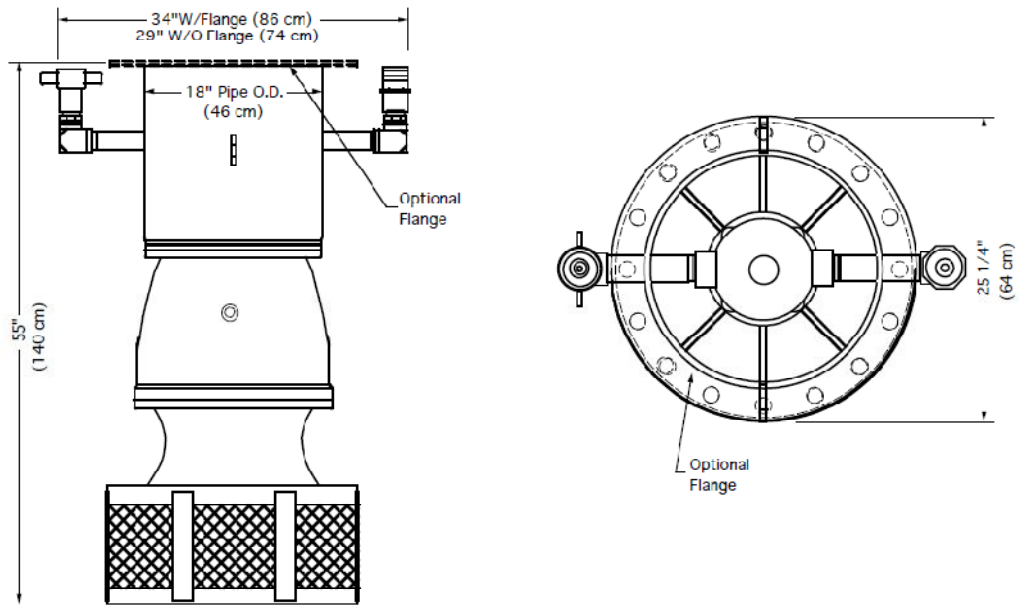
## FEATURES

- High Volume Axial Flow design
- High Efficiency mixed flow impeller
- Small Overall Size allows for use in tight spaces
- Variable Speed hydraulic drive
- Oil Lubricated Seals (can run dry)
- High Efficiency Balanced Vane hydraulic motor
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical
- Operates with our HT100 to HT150 power units or other hydraulic power sources capable of flows of 50 - 70 GPM

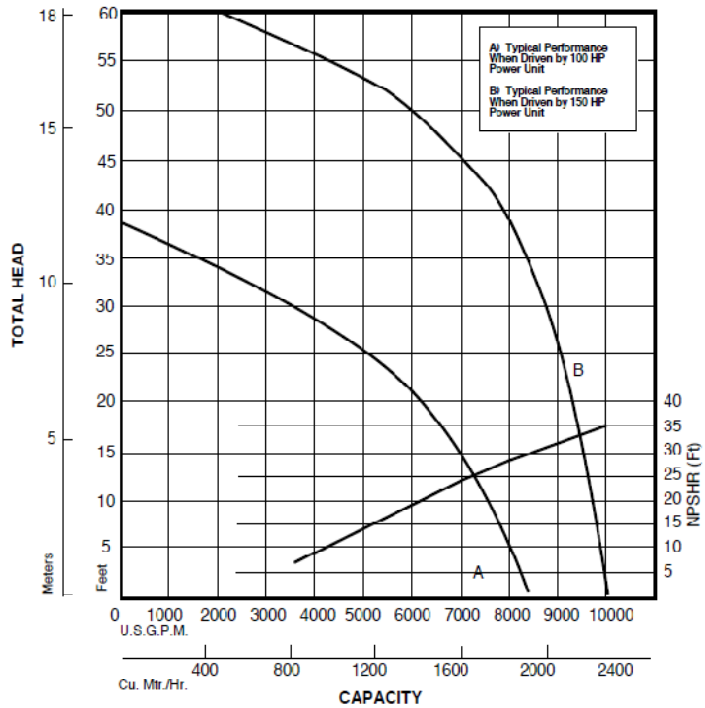
## SPECIFICATIONS

WEIGHT:	920 lbs. (418 kg)
HEIGHT:	55" (140 cm)
DIAMETER (@ widest point):	34" (86 cm)
DISCHARGE:	18" O.D. Pipe or Flange
SOLIDS HANDLING:	1" (25 mm)
HOSE PORTS:	1 1/2" NPT
HYDRAULIC COUPLINGS:	1 1/2" Wing Nut Style
PUMP BODY:	Cast Iron
IMPELLER:	Bronze
SHAFT:	Stainless Steel
SHAFT SEALS:	Carbon/Ceramic (Std)
ELASTOMERS:	Buna N (Std)
HYDRAULIC OIL:	214-320 s.s.u. @ 100°F (64°C)
INPUT FLOW:	Max. 70 GPM (265 LPM)
OPERATING PRESSURE:	Max. Cont. 2500 PSI (170 Bar)
POWER SOURCE:	Any Open Center Hydraulic System

## Model S18M Overall Dimensions



## S18M Typical Performance



Curves are based on pumping water at 60°F. For performance curves other than shown above, consult factory.