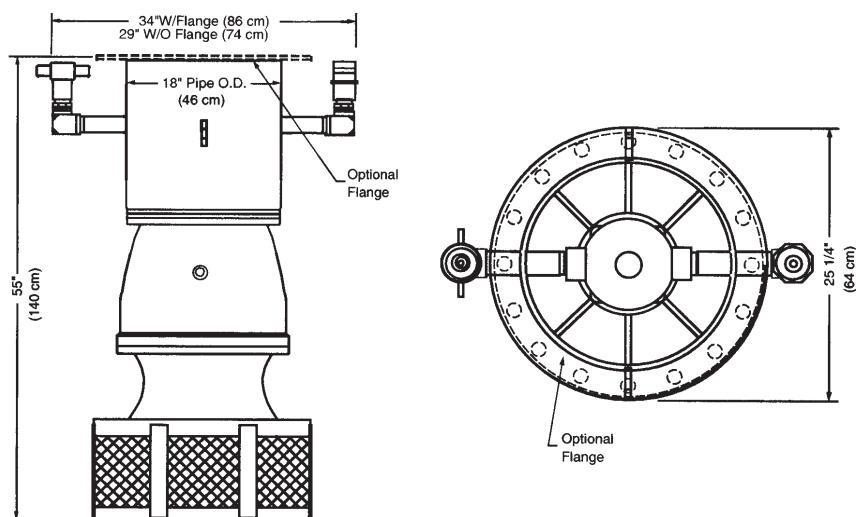


# DEWATERING HYDRAFLOW DATA SHEET

## S18M 450MM HYDRAULIC SUBMERSIBLE PUMP

The SPP HYDRAFLOW S18M Hydraulic Drive Submersible Pump 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, dry dock, foundation and cofferdam dewatering.

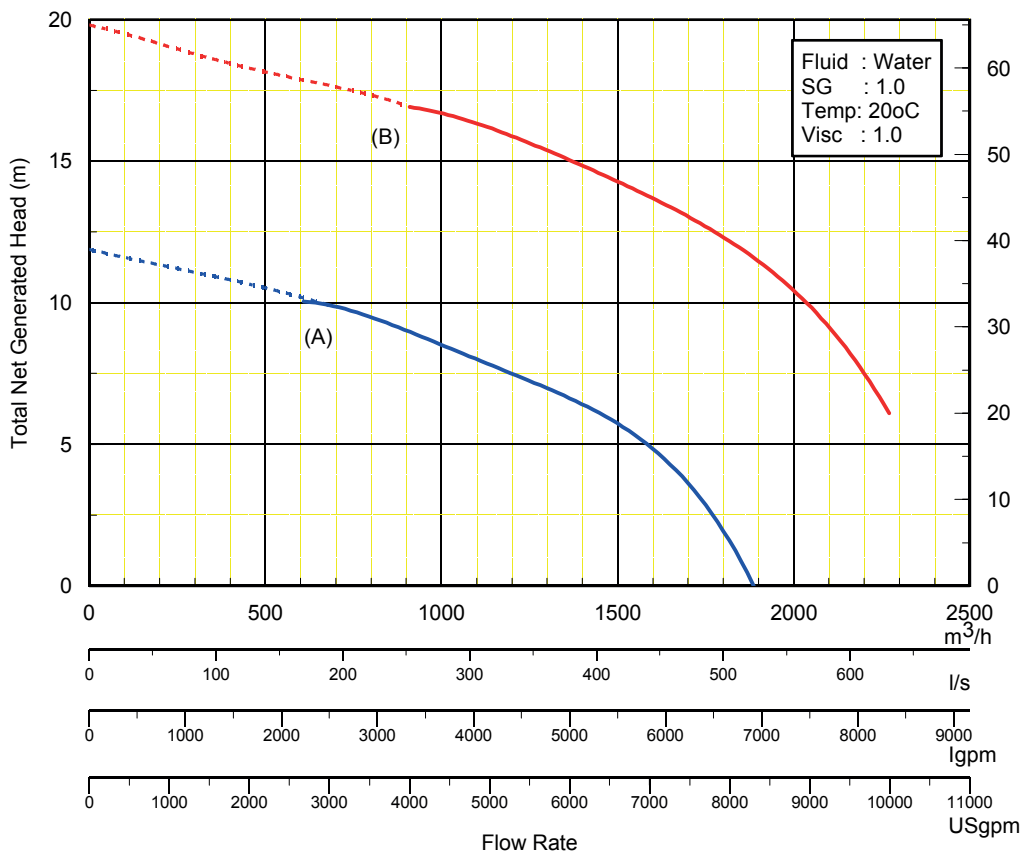


## DESIGN FEATURES

- Small overall size allows use in tight spaces
- Can be supplied with a Stainless Steel Casing
- High volume axial flow design
- Variable Speed Hydraulic Drive
- Oil Lubricated Mechanical Seal
- High efficiency balanced vane Hydraulic Motor
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical
- Operates with our HT100D or HT150D Hydraulic Power Units or any open centre power source with output flows to 265 l/m.

# DEWATERING

## HYDRAFLOW DATA SHEET



Hydraulic Input: (A) Typical performance with HT100D  
(B) Typical performance with HT150D

### HYDRAULIC SUBMERSIBLE PUMP

<b>PUMP TYPE</b>	S18M
<b>BRANCH SIZES</b>	Suction: 600mm x Disch: 450mm
<b>IMPELLER</b>	Axial Flow
<b>SOLIDS HANDLING</b>	25 mm diameter
<b>HYDRAULIC MOTOR</b>	Gear
<b>INPUT - HYDRAULIC FLOW</b>	265 l/m
<b>INPUT - HYDRAULIC PRESSURE</b>	172 bar
<b>HYDRAULIC OIL</b>	ISO 46
<b>HYDRAULIC OIL TEMPERATURE</b>	Max 140°F

### PUMP SPECIFICATIONS

<b>FLOW RATE</b>	2273 m <sup>3</sup> /h Maximum
<b>DISCHARGE HEAD</b>	17 m Maximum
<b>WEIGHT</b>	406 kg
<b>HEIGHT</b>	140 mm
<b>MAX DIAMETER</b>	860 mm
<b>MAX SOLIDS SIZE</b>	25 mm Diameter
<b>HOSE PORT</b>	1 1/2" NPT F
<b>SUCTION FLANGE</b>	n/a
<b>DISCHARGE PORT</b>	18" Pipe or Flange.
<b>POWER SOURCE</b>	HT100D or HT150D
<b>PUMP CASING</b>	Cast Iron/ Stainless Steel
<b>IMPELLER</b>	Bronze
<b>WEAR RING &amp;/OR PLATE</b>	n/a
<b>SHAFT</b>	Stainless Steel
<b>SHAFT SEAL - STANDARD</b>	Carbon/Ceramic
<b>ALTERNATIVE SEAL</b>	Refer to SPP
<b>ELASTOMERS - STANDARD</b>	Buna N
<b>HYDRAULIC OIL</b>	214-320 s.s.u. @ 64 Deg. C
<b>INPUT FLOW</b>	265 l/m Maximum
<b>OPERATING PRESSURE</b>	172 bar Maximum