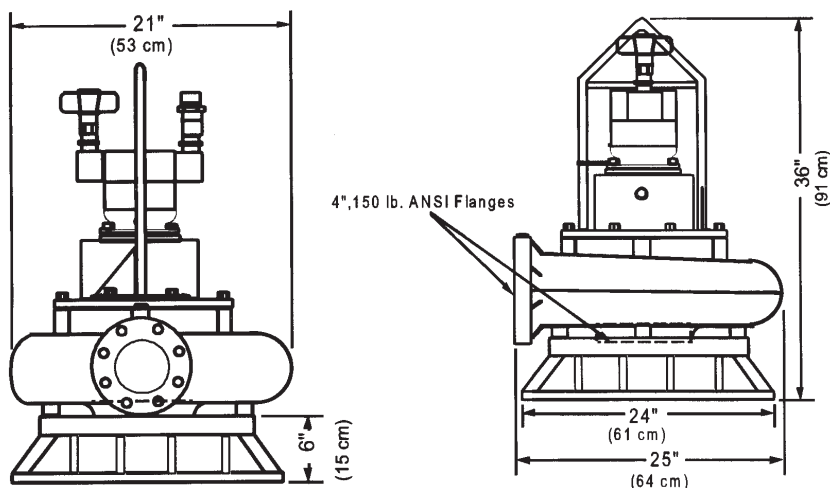


DEWATERING HYDRAFLOW DATA SHEET

S6105 100MM HYDRAULIC SUBMERSIBLE SOLIDS HANDLING PUMP

The SPP HYDRAFLOW S6105 High Performance, Hydraulic Drive Submersible Pump is designed for applications where high heads and the ability to handle solids is required. The typical use for this pump would be as a temporary sewage lift station where high force main pressures are encountered.

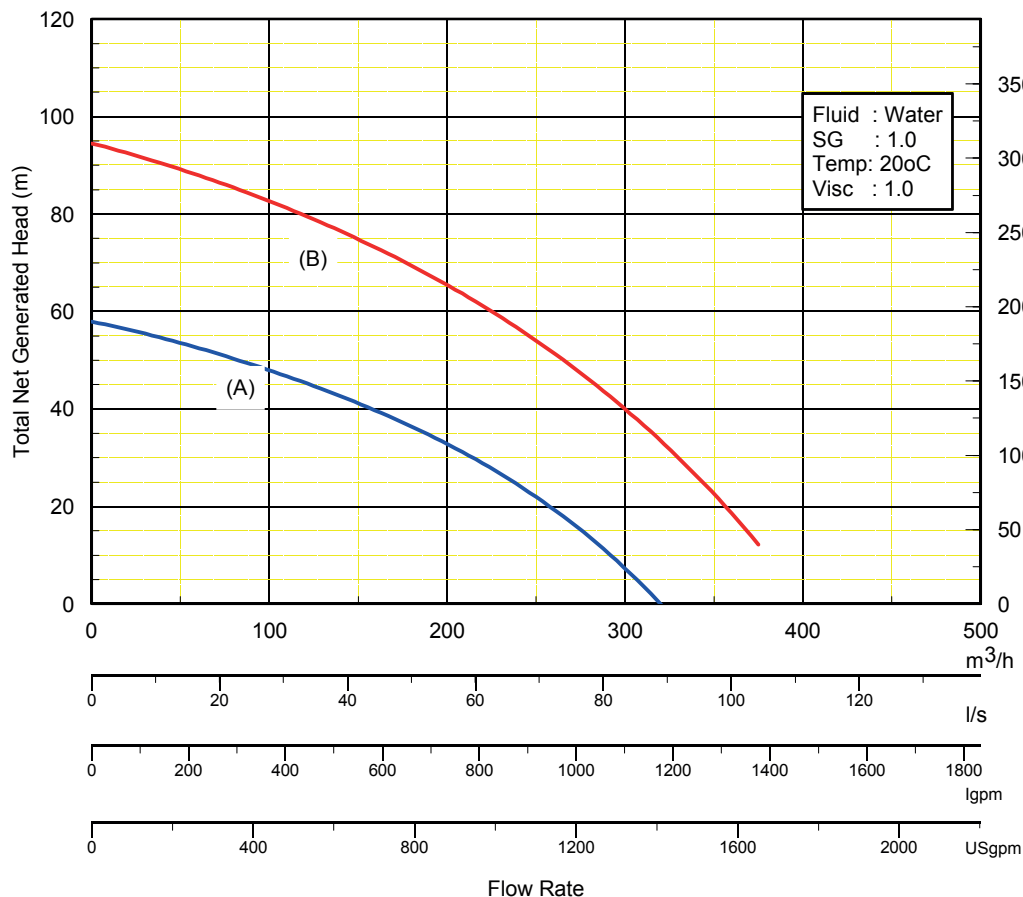


DESIGN FEATURES

- Balanced two vane closed channel impeller with wide performance range
- Will pass 75mm semi-solids
- Oil Lubricated Seals - pump can run dry
- Variable Speed Hydraulic Drive with balanced vane hydraulic motor
- Can be supplied with a Stainless Steel Casing
- Can be bolted directly into a pipeline
- 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 Performance with: (A) 189 l/m @ 172 bar
(B) * 265 l/m @ 172 bar
* Typical Performance with HT150D

HYDRAULIC SUBMERSIBLE PUMP

PUMP TYPE	S6105
BRANCH SIZES	Suction: 100mm x Disch: 100mm
IMPELLER	Channel
SOLIDS HANDLING	75 mm diameter
HYDRAULIC MOTOR	Gear
INPUT - HYDRAULIC FLOW	265 l/m
INPUT - HYDRAULIC PRESSURE	172 bar
HYDRAULIC OIL	ISO 46
HYDRAULIC OIL TEMPERATURE	Max 140°F

PUMP SPECIFICATIONS

FLOW RATE	400 m³/h Maximum
DISCHARGE HEAD	109 m Maximum
WEIGHT	274 kg
HEIGHT	914 mm
MAX DIAMETER	635 mm
MAX SOLIDS SIZE	75 mm Diameter
HOSE PORT	1 1/2" NPT F
SUCTION FLANGE	4" 150# ANSI Flange
DISCHARGE PORT	4" 125# Flange
POWER SOURCE	HT100D or HT150D
PUMP CASING	Ductile Iron/Stainless Steel
IMPELLER	Ductile Iron
WEAR RING &/OR PLATE	Ductile Iron
SHAFT	17-4 PH Stainless Steel
SHAFT SEAL - STANDARD	Silicon Carbide
ALTERNATIVE SEAL	Refer to SPP
ELASTOMERS - STANDARD	Buna (N)
HYDRAULIC OIL	214-320 s.s.u. @ 64 Deg. C
INPUT FLOW	26 l/m Maximum
OPERATING PRESSURE	138 bar Maximum