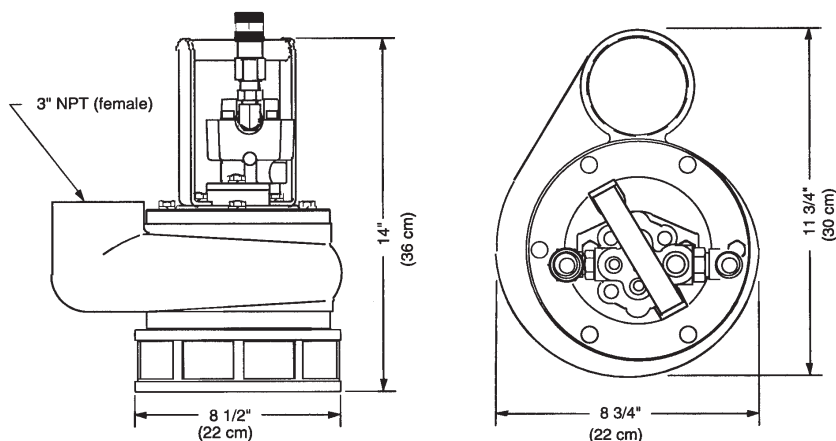


DEWATERING HYDRAFLOW DATA SHEET

S3T 75MM HYDRAULIC SUBMERSIBLE SEWAGE OR WASTEWATER PUMP

The SPP HYDRAFLOW S3T Hydraulic Drive Submersible Pump model is designed for pumping jobs such as construction sites and manhole pumping where lightweight, high volume, sewage pumps are needed. It has the ability to pass through a 300mm opening and pump in debris laden areas. A small hole strainer is available for limiting solids to be pumped.

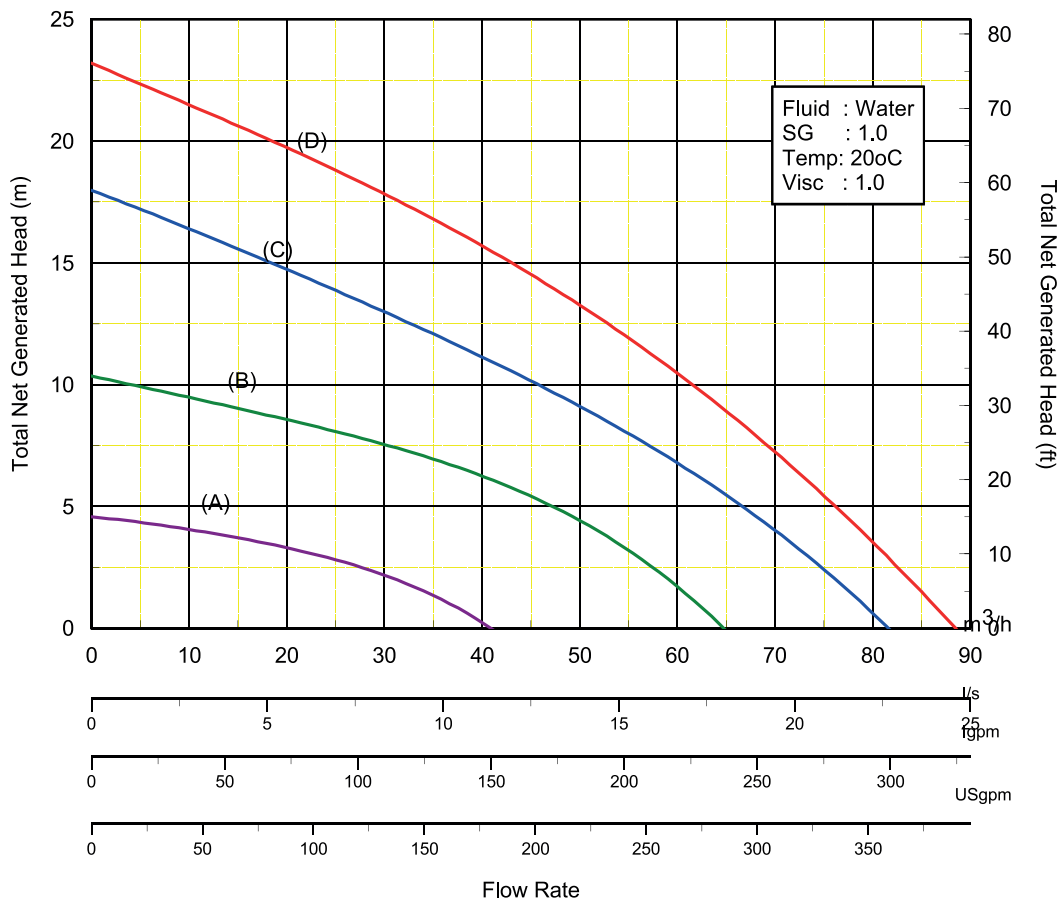


DESIGN FEATURES

- Variable Speed.
- Vortex Impeller for solids handling.
- Oil Lubricated Seals - pump can run dry.
- Dependable gear type hydraulic motor.
- Small overall size allows for use in very tight spaces.
- Can be bolted to standard pipe flange and used as an in-line booster pump.
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical.
- Operates with our HT11D, HT25D, HT35D or HSQ35D Hydraulic Power Units or any open centre power source with output flows to 30 l/m.

DEWATERING

HYDRAFLOW DATA SHEET



Hydraulic Input: (A) 11 l/m @ 48 bar (B) 19 l/m @ 107 bar
(C) * 26 l/m @ 145 bar (D) 30 l/m @ 172 bar
* Typical performance with HT25D

HYDRAULIC SUBMERSIBLE PUMP

PUMP TYPE	S3T
BRANCH SIZES	Suction: 75mm x Disch: 75mm
IMPELLER	Vortex
SOLIDS HANDLING	63 mm diameter
HYDRAULIC MOTOR	Gear
INPUT - HYDRAULIC FLOW	30 l/m
INPUT - HYDRAULIC PRESSURE	172 bar
HYDRAULIC OIL	ISO 46
HYDRAULIC OIL TEMPERATURE	Max 140°F

PUMP SPECIFICATIONS

FLOW RATE

88 m³/h Maximum

DISCHARGE HEAD

23 m Maximum

WEIGHT

DI - 22kg or AL - 11 kg

HEIGHT

360 mm

MAX DIAMETER

300 mm

MAX SOLIDS SIZE

63 mm Diameter

HOSE PORT

1/2" NPT F

SUCTION FLANGE

3" 125# ASA

DISCHARGE PORT

3" NPT F

POWER SOURCE

HT11D, HT25D, HT35D or HSQ35D

PUMP CASING

Ductile Iron Aluminium or St Steel

IMPELLER

Stainless Steel

WEAR RING &/OR PLATE

Ductile Iron

SHAFT

Plated 4140 Steel

SHAFT SEAL - STANDARD

Carbon Ceramic

ALTERNATIVE SEAL

Refer to SPP

ELASTOMERS - STANDARD

Buna (N)

HYDRAULIC OIL

214-320 s.s.u. @ 64 Deg. C

INPUT FLOW

30 l/m Maximum

OPERATING PRESSURE

172 bar Maximum