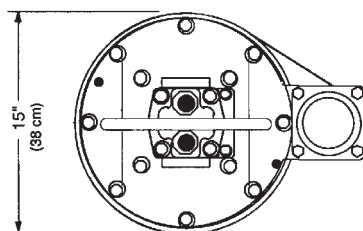
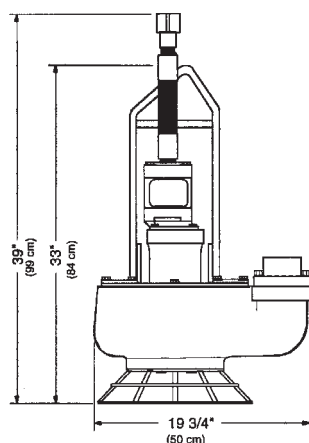


DEWATERING HYDRAFLOW DATA SHEET

S3VHL 75MM HYDRAULIC SUBMERSIBLE SLUDGE OR SLURRY PUMP

The SPP HYDRAFLOW S3VHL Hydraulic Drive Submersible Pump is designed to pump sludges, slurries and liquids with stringy solids. Uses for this pump include liquid manure pumping, water treatment slurries and clarifier tanks. This versatile pump is offered in aluminum or ductile iron construction.

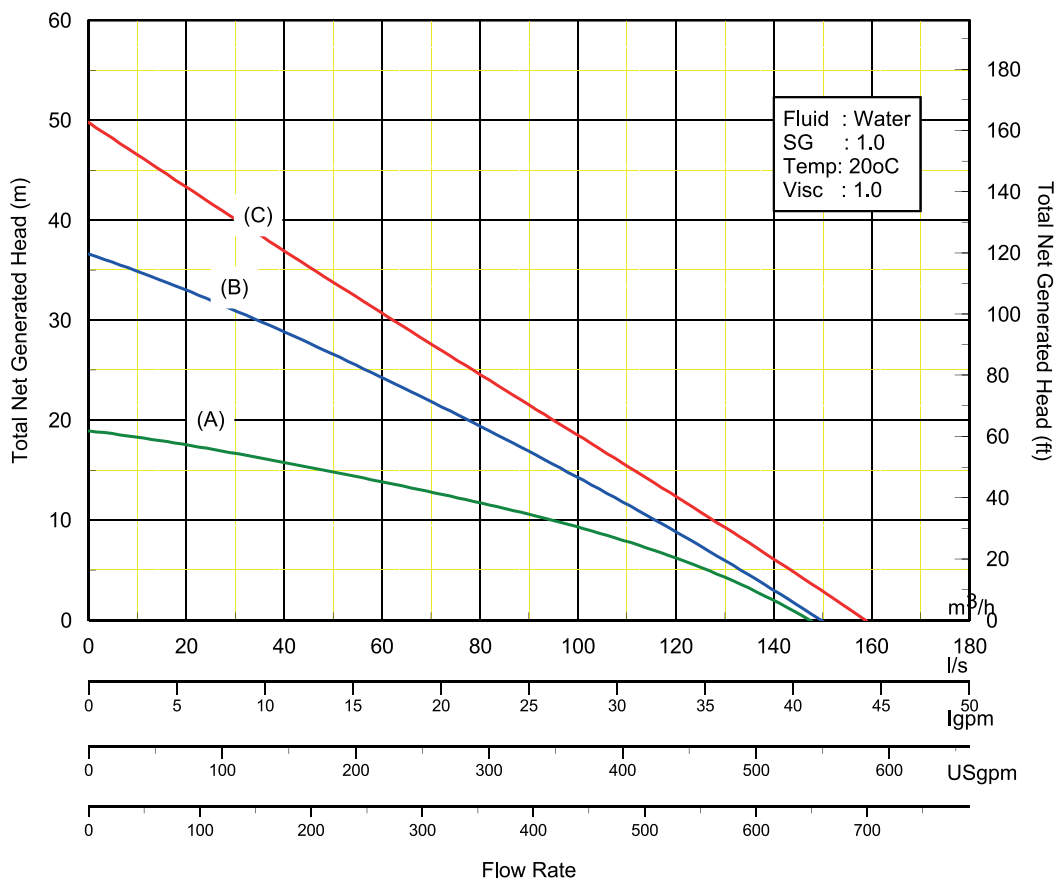


DESIGN FEATURES

- Small overall size allows pump to fit through 500mm diameter opening.
- Fully recessed vortex impeller will pass 75mm semi-solids.
- Lightweight Aluminum and durable Ductile Iron models are standard.
- Variable Speed Hydraulic Drive.
- Oil Lubricated Seals - pump can run dry.
- Can be bolted directly into a pipeline or fitted with a suction hose for vacuuming underwater.
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical.
- Operates with our HT25D, HT35D or HSQ35D Hydraulic Power Units or any open centre power source with output flows to 68 l/m.

DEWATERING

HYDRAFLOW DATA SHEET



Hydraulic Input: (A) 38 l/m @ 193 bar (B) * 56 l/m @ 179 bar
(C) ** 68 l/m @ 200 bar
* Typical performance with HT25D
** Typical performance with HSQ35

HYDRAULIC SUBMERSIBLE PUMP

PUMP TYPE	S3VHL
BRANCH SIZES	Suction: 80mm x Disch: 80mm
IMPELLER	Vortex
SOLIDS HANDLING	65mm diameter
HYDRAULIC MOTOR	Gear
INPUT - HYDRAULIC FLOW	68 l/m
INPUT - HYDRAULIC PRESSURE	200bar
HYDRAULIC OIL	ISO 46
HYDRAULIC OIL TEMPERATURE	Max 140°F

PUMP SPECIFICATIONS

FLOW RATE

159 m³/h Maximum

DISCHARGE HEAD

50 m Maximum

WEIGHT

DI - 131kg or AL - 70 kg

HEIGHT

840 mm

MAX DIAMETER

500 mm

MAX SOLIDS SIZE

75 mm Diameter

HOSE PORT

1" SAE

SUCTION FLANGE

3" 125# ASA

DISCHARGE PORT

3" NPT F

POWER SOURCE

HT25D, HT35D or HSQ35D

PUMP CASING

Ductile Iron or HT Aluminium

IMPELLER

Ductile Iron

WEAR RING &/OR PLATE

Stainless Steel

SHAFT

Stainless Steel

SHAFT SEAL - STANDARD

Carbon Ceramic

ALTERNATIVE SEAL

Silicon Carbide

ELASTOMERS - STANDARD

Buna (N)

HYDRAULIC OIL

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

INPUT FLOW

68 l/m Maximum

OPERATING PRESSURE

200 bar Maximum