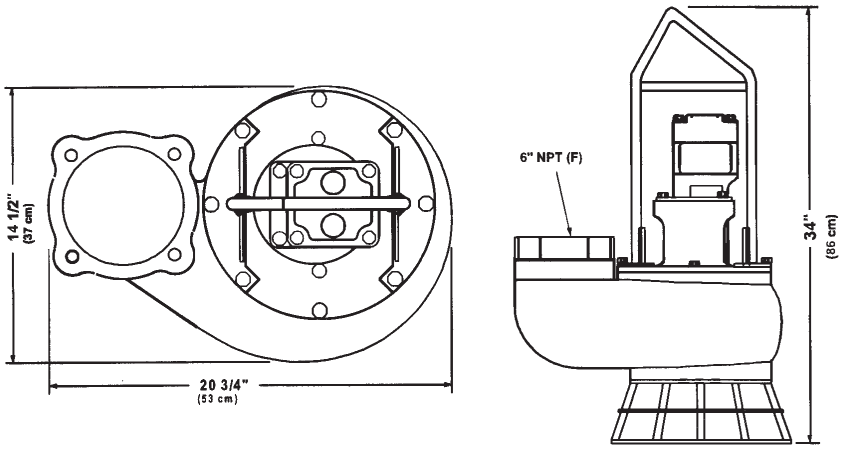
DEWATERING
HYDRAFLOW DATA SHEET

S6TC 150MM HYDRAULIC SUBMERSIBLE SEWAGE PUMP

The SPP HYDRAFLOW S6TC Hydraulic Drive Submersible Pump is a highly efficient solids handling pump designed to pass through a 550mm diameter manhole. Can be supplied with a choice of two hyraulic motors to match powere unit and duty requirements. May be used on jobs such as waste lagoons, barge transfer, sewer by-pass systems and treatment plant duties.



DESIGN FEATURES

- High efficiency two vane closed channel impeller will pass 75mm semi solids.
- Oil Lubricated Seals - pump can run dry.
- Variable speed with dependable gear type hydraulic motor.
- Will pass through a 550mm dia opening.
- Adjustable Wear Plate.
- Can be bolted directly into a pipeline.
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical.
- Operates with our HT35D or HSQ35D Hydraulic Power Units or any open centre power source with output flows to 76 l/m.

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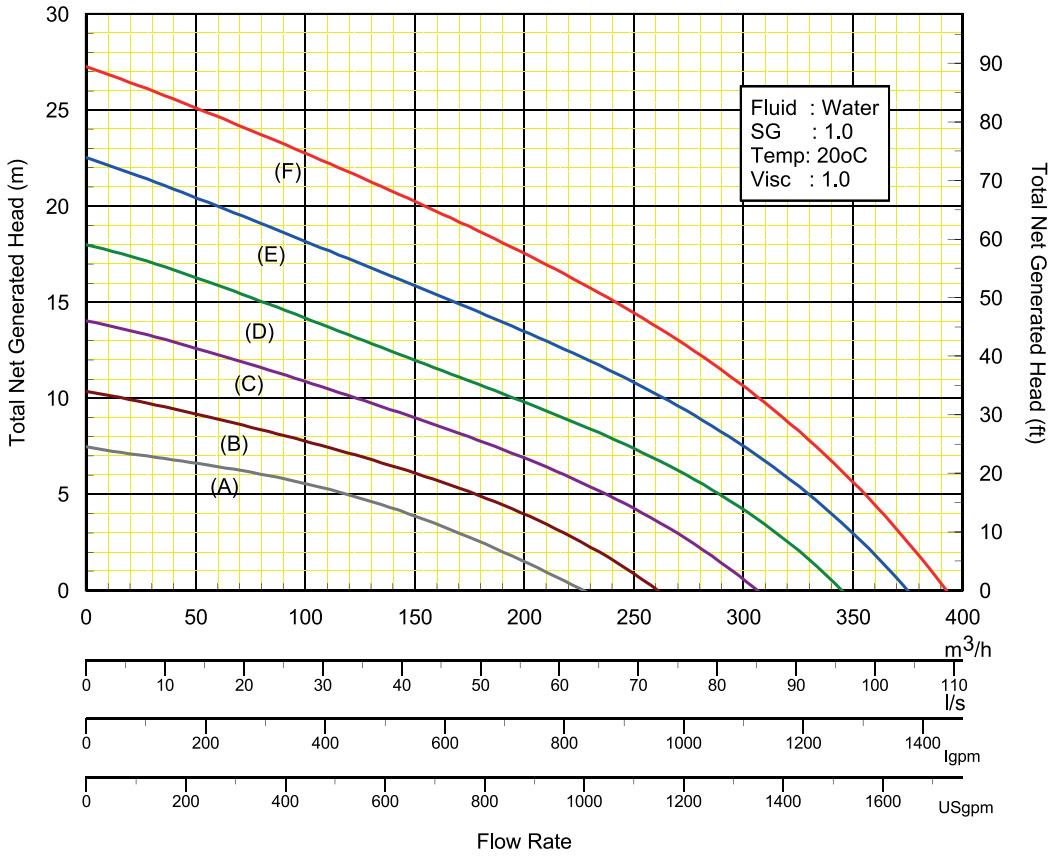

Hydraulic Input:
(A) 38 l/m m3/h @ 69 bar
(B) 45 l/m @ 79 bar
(C) 53 l/m @ 110 bar
(D) 60 l/m @ 131 bar
(E) 68 l/m @ 165 bar
(F) * 76 l/m @ 172 bar
* Typical Performance with HT35D or HSQ35

HYDRAULIC SUBMERSIBLE PUMP

PUMP TYPE	S6TC
BRANCH SIZES	Suction: 150mm x Disch: 150mm
IMPELLER	Channel
SOLIDS HANDLING	75 mm diameter
HYDRAULIC MOTOR	Gear
INPUT - HYDRAULIC FLOW	76 l/m
INPUT - HYDRAULIC PRESSURE	172 bar
HYDRAULIC OIL	ISO 46
HYDRAULIC OIL TEMPERATURE	Max 140°F

PUMP SPECIFICATIONS

FLOW RATE
390 m³/h Maximum
DISCHARGE HEAD
27 m Maximum
WEIGHT
116 kg
HEIGHT
860 mm
MAX DIAMETER
530 mm
MAX SOLIDS SIZE
75 mm Diameter
HOSE PORT
1" SAE
SUCTION FLANGE
6" ANSI
DISCHARGE PORT
6" NPT F
POWER SOURCE
HT35D or HSQ35D
PUMP CASING
Ductile Iron
IMPELLER
Ductile Iron
WEAR RING &/OR PLATE
Ductile Iron
SHAFT
17-4 PH 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
76 l/m Maximum
OPERATING PRESSURE
172 bar Maximum

spp PUMPS
Crucible Close, Mushet Industrial Park, Coleford, GL16 8PS
Tel: +44 (0)1594 832701 | +44 (0)1594 838280 | dewatering@spppumps.com