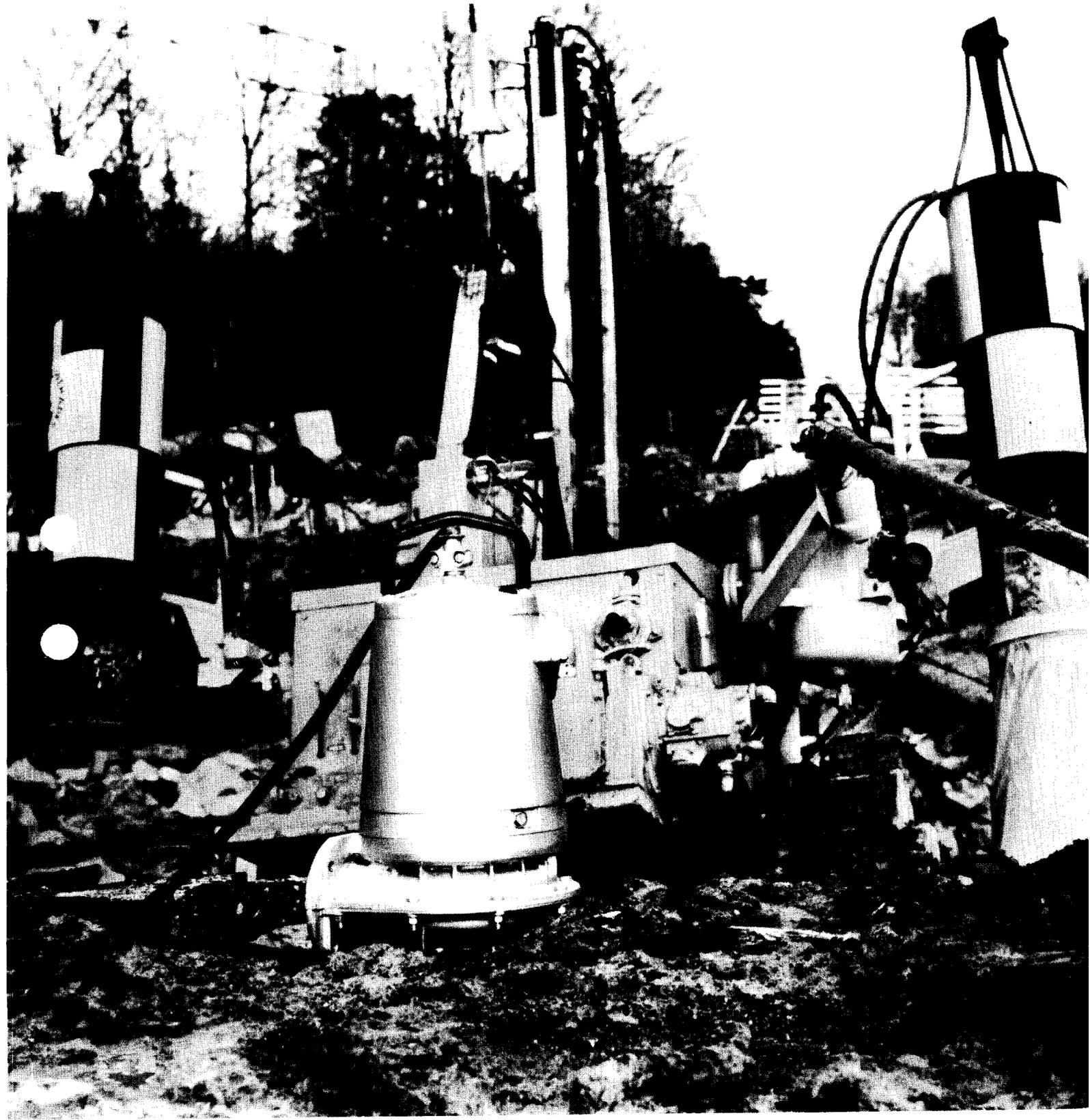


DP/DS 3080

FLYGT

Technical Specification



DP/DS 3080 – Slim portable dewatering pump for high heads and confined spaces

The DP/DS 3080 with its vortex impeller and rubber-lined volute is especially suited for pumping abrasive slurries, metal or wood chips and other suspended solids including fibrous material.

The pump does not require any attention – it can run dry without damage.

Three pump materials

The pump is available in three materials:

- the 3080.210 is made of aluminium/magnesium alloy, hydronalium, and is a portable "one man" pump.
- the 3080.310 is made of cast iron and is better suited for abrasive sludge (sewage) applications.
- the 3080.480 is made of aluminium bronze and is mainly designed for sea water applications and for other marine use.

Three performance characteristics

The pump is available with Medium Head (MT), High Head (HT) or Super High Head (ST) characteristics. All versions have non-clog vortex impellers located out of the main liquid flow and are available in Ni-hard, or Ni resist or aluminium bronze.

The rubber-lined pump casing separates into two parts to facilitate liner changing.

The flow passage is as large as 80 mm for the MT-version. The HT-version has a throughlet of 46 mm and the ST version 31 mm.

Shaft seal:

The mechanical shaft seal incorporates independent twin seals. The inner seal, which runs in oil for long life, has a rotating ring of carbon and a stationary ring of tungsten carbide. The outer seal has both rotating and stationary rings made of tungsten carbide, the most wear-resistant material known.

Motor: Non-overloading in full performance range. Class F insulated stator rated 155°C, shrink-fit, improves cooling. Internal cooling system allows continuous pumping with motor above liquid level.

Thermal protectors embedded in stator provide additional motor protection.

Shaft: Stainless steel shaft. Upper bearing: single row ball bearing. Lower bearing: angular contact ball bearing.

Hydraulic parts: High strength two-piece pump casing with replaceable wear liners made of nitrile rubber. Wear-resistant vortex impeller and replaceable wear rings. Available in Ni-hard, Ni-resist or aluminium bronze.

Installation

DS-versions:

- Portable installation with hose connection.

DP-versions:

- Fixed installation with sliding bracket and discharge connection.

The pump is prepared for installations requiring external cooling, i.e. pumping heavy sludge in dry installations or hot liquid applications.

Accessories

A wide range of accessories including hose connections, power cables, zinc anodes, non-return valves, cable protection tubes, accessories for tandem connection, starters and special surface treatments are available.

Technical data

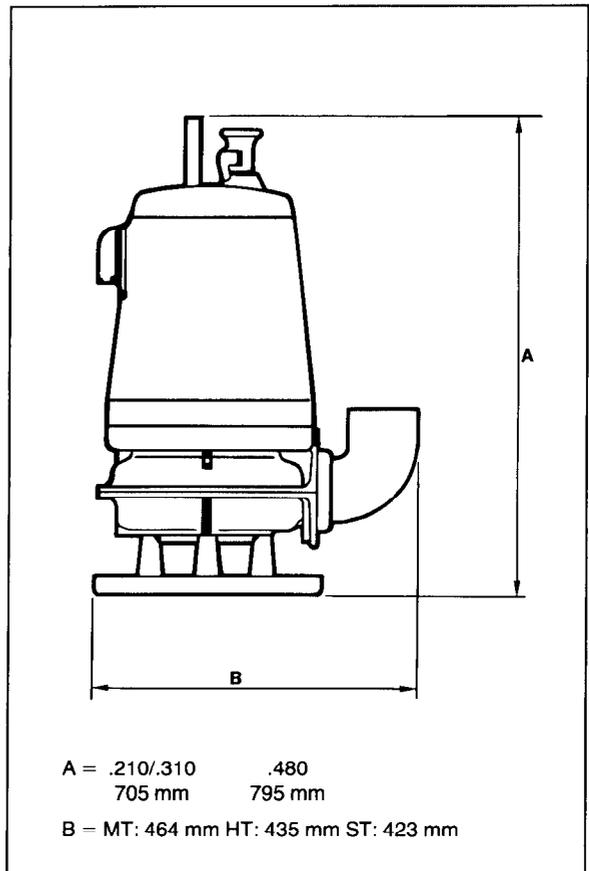
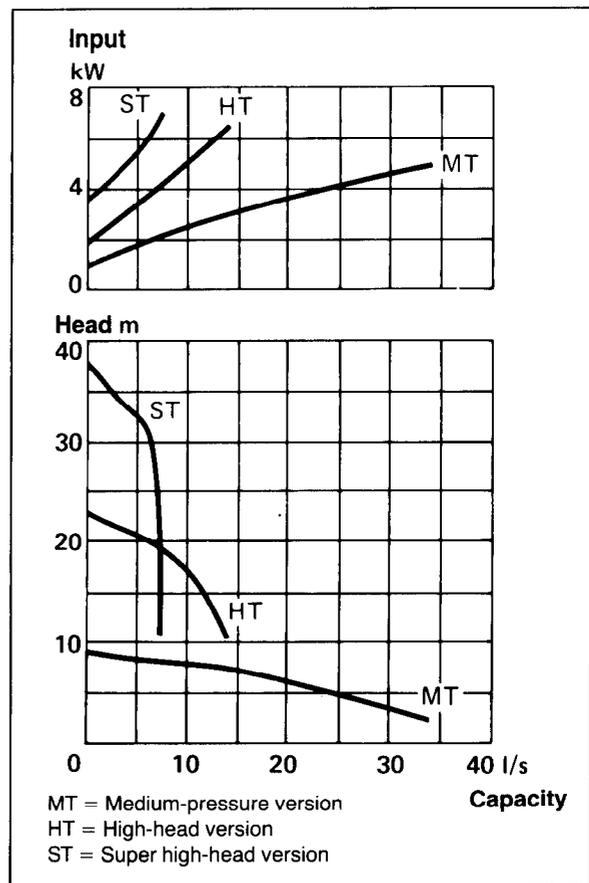
Discharge connection: ST 2". R 2", HT 3", R3", MT 4", R4". For hose or pipe.

Motor: 3-phase squirrel cage induction motor
 MT-version: 3.8 kW at 1400 rpm
 HT and ST-versions: 5.5 kW at 2800 rpm.

Rated current (A):

	200V	380V	400V	415V	440V	500V	550V
MT:	15.2	8.8	8.4	8.0	7.6	6.7	6.1
HT, ST:	21	12	11.5	11	10.5	9.2	8.5

Weight: aluminium 60 kg
 cast iron 97 kg
 bronze 109 kg



The manufacturers reserve the right to alter performance specification or design without notice.

