

Specifications GPN3 Agitator Pumps

FEATURES

1. Open type chromium iron casting impeller with agitator suspends solids allowing for extraction.
2. Double inside mechanical seals with silicon carbide faces running in an oil filled chamber equipped with an oil lifter and further protected by a lip seal running against a replaceable 304 stainless steel shaft sleeve provide for the most durable seal design available.
3. Highly efficient, continuous duty air filled copper wound motor with class E or B insulation minimizes the cost of operation.
4. Built in thermal and amperage sensing protector prevents motor failure due to single phasing, overloading or accidental run-dry conditions.
5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60.000 hours provide for extended operational life.

APPLICATIONS

1. Construction site drainage. Suitable for sludge, slurry, liquids containing sandy mud and bentonite.
2. Sand and gravel pit drainage
3. Sediment removal from sumps or basins



SPECIFICATIONS

Discharge Size.....	80mm - 100mm
Power output range.....	5,5kW - 11,0kW
Performance range.....	0,2m ³ /min - 3,1m ³ /min 4m- 18,5m
Maximum water temperature...	40°C
Materials of construction	
Impeller.....	Chromium iron casting
Agitator.....	Chromium iron casting
Casing.....	Grey iron casting
Suction Plate.....	Chromium iron casting
Motor Frame.....	Grey iron casting
Shaft.....	Stainless steel SCM435 (DIN 1.7220)
Fasteners.....	Stainless steel SUS304 (EN-X5CrNi18-10)
Elastomers.....	NBR (Nitril Buna Rubber)
Mechanical Seal	
Primary Seal.....	Silicon carbide on silicon carbide
Secondary Seal.....	Stainless Steel SUS420J2
Impeller Type.....	Open type impeller
Solids handling capability.....	30mm
Bearings.....	Pre-lubricated, double shielded ball bearings
Motor.....	Air filled, 1450 rpm 400V / 50Hz, 3-phase Insulation class E, B



Oil Lifter
5,5kW - 11kW