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PUMP

Submersible Sewage Centrifugal

Excellence – Life – Environtment Concern

INTRODUCTION

DCS series submersible sewage pump developed with the advantages holds a comprehensive optimized design on its hydraulic model, mechanical structure, sealing, cooling, protection, control etc. points, features a good performance in discharging solids and in the prevention of fiber wrapping, high efficiency and energy-saving, and strong reliability.

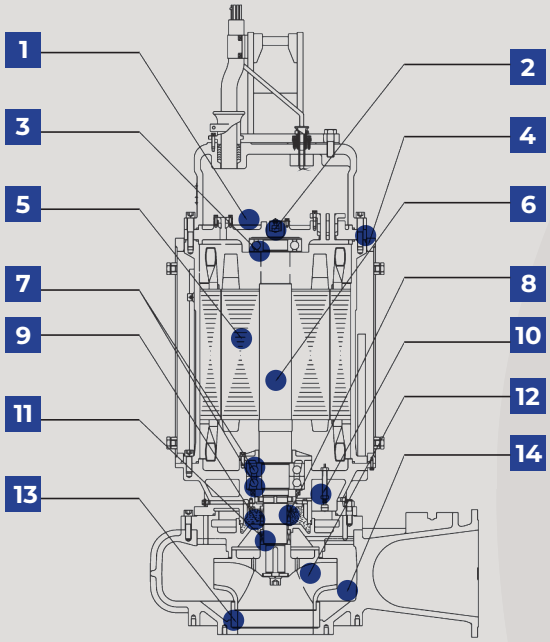
WORKING CONDITIONS

The medium temperature is not over 40° C, the medium density is ≤ 1050kg/m^3 and the PH value is within 4-10.

APPLICATIONS

DCS series submersible sewage pump is mainly used for the municipal works, buildings, industrial sewage and sewage treatment to discharge the sewage, waste water and rainwater containing solids and long fibers.

STRUCTURE DRAWING



1	Wiring rod
2	Upper leakage detector
3	Bearing
4	Cooling gasket
5	Motor
6	Shaft
7	Bearing
8	Motor mechanical seal
9	Oil house
10	Lower leakage detector
11	Pump mechanical seal
12	Impeller
13	Seal ring
14	Pump body

GENERAL DESIGN

Material

Impeller Material	Stainless Steel 304 - 316 - Duplex
Shaft Material	Stainless Steel 420
Pump Case Material	Gray Iron Casting 250
Wearing Ring	Stainless Steel 304
Cables	10 m
Insulation Class	IP68, Class F

Monitoring System Sensors Type

Motor over-heat protector

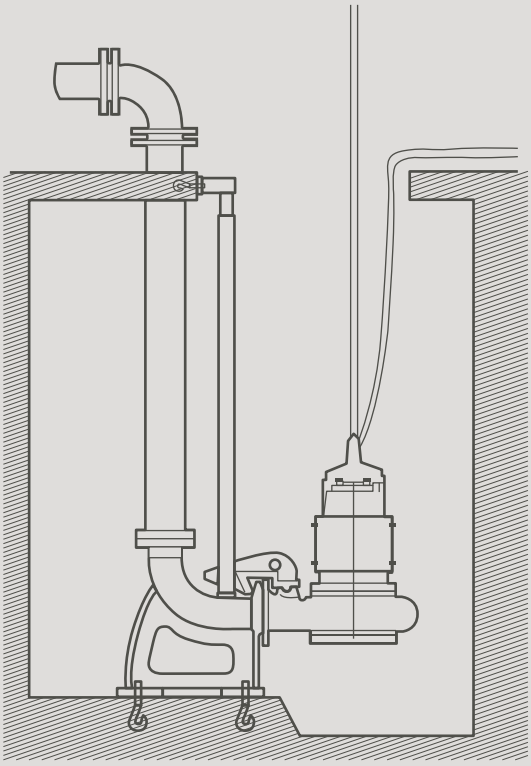
Water leakage sensor

Bearing thermal protector

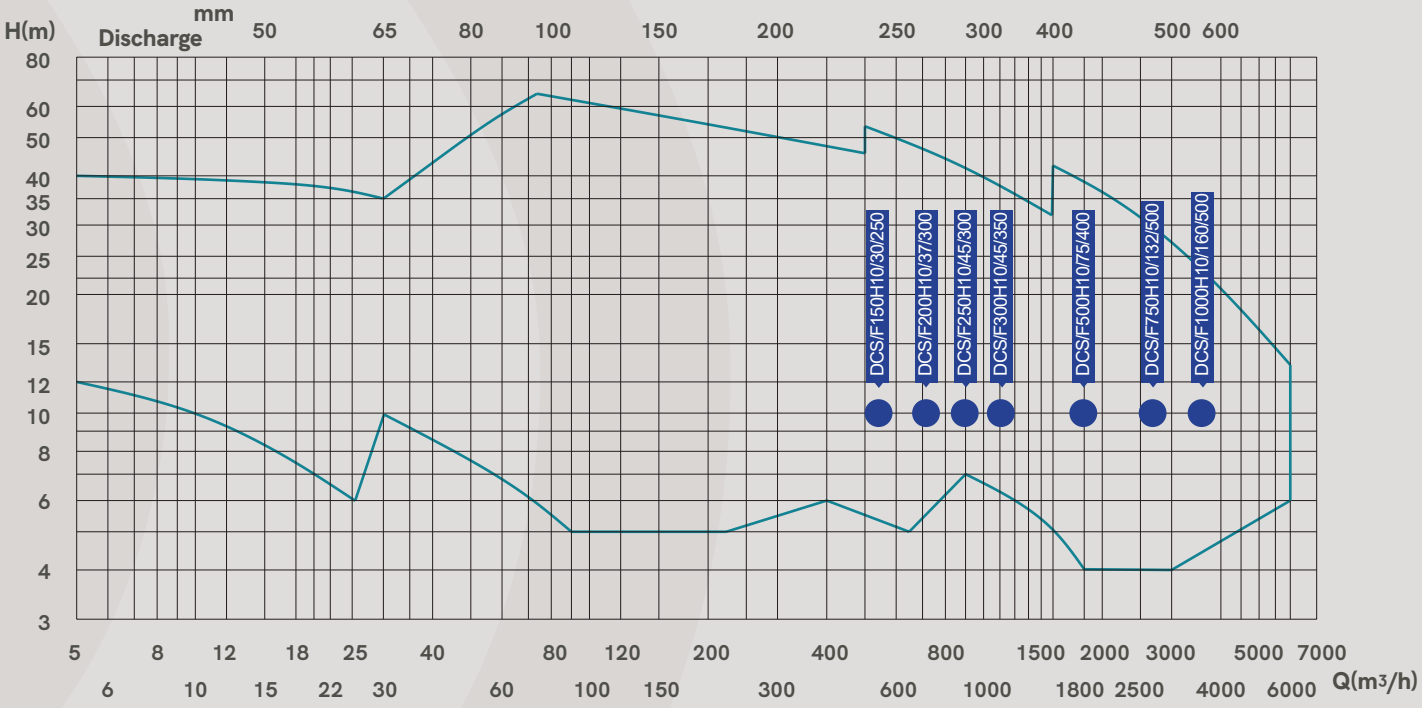
Moisture sensor

Water level sensor

INSTALLATION DRAWING



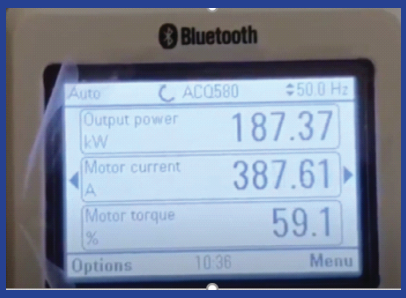
PERFORMANCE CURVES



Type	Capacity (l/s)	Capacity (m³/h)	Head (m)	Power (kW)	Speed (RPM)	Discharge Diameter (mm)
DCS/F150H10/30/250	150 l/s	540 m³/h	10	30	980	250
DCS/F200H10/37/300	200 l/s	720 m³/h	10	37	1475	300
DCS/F250H10/45/300	250 l/s	900 m³/h	10	45	980	300
DCS/F300H10/45/350	300 l/s	1080 m³/h	10	45	740	350
DCS/F500H10/75/400	500 l/s	1800 m³/h	10	75	990	400
DCS/F750H10/132/500	750 l/s	2700 m³/h	10	132	990	500
DCS/F1000H10/160/500	1000 l/s	3600 m³/h	10	160	745	500

FEATURES

1 Save Electricity Energy Up To 25%

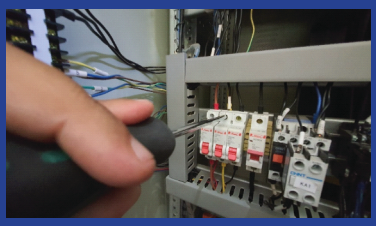


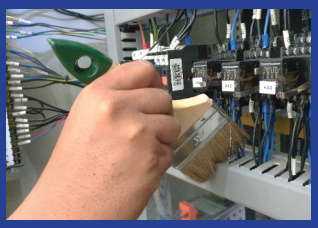
2 Low noise level

3 High insulation

4 Low vibration

5 Complete service and maintenance modules





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