



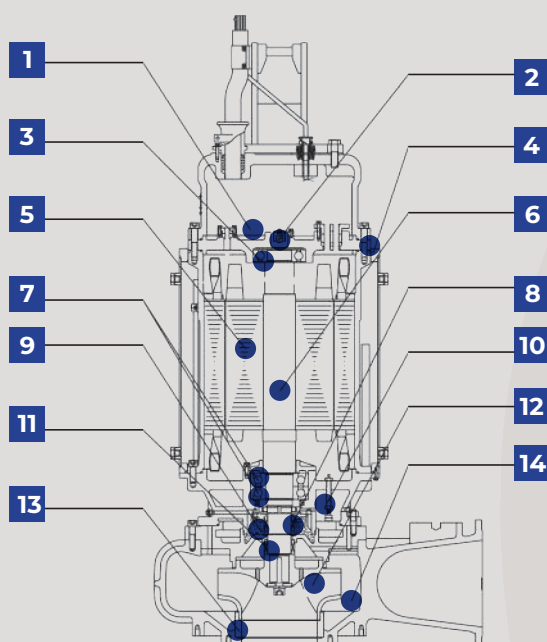
Submersible Sewage Centrifugal

Excellence - Life - Environment 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.

STRUCTURE DRAWING



WORKING CONDITIONS

The medium temperature is not over 40° C, the medium density is $\leq 1050\text{kg/m}^3$ 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.

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

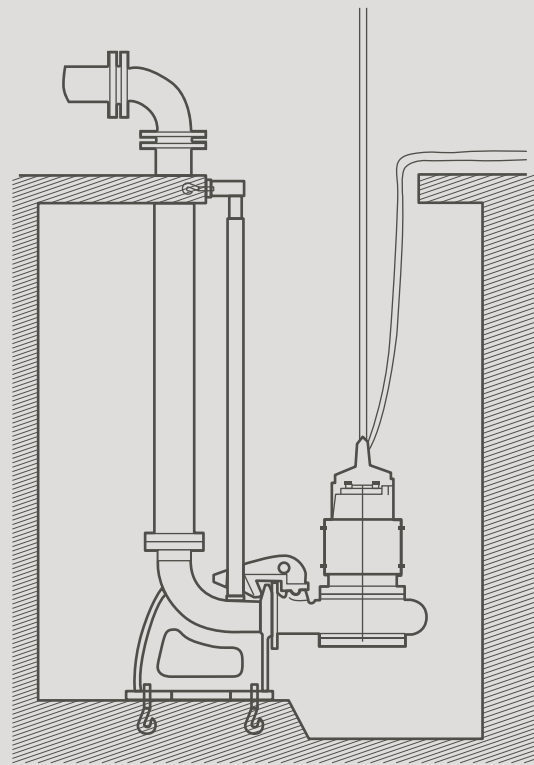
Material

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

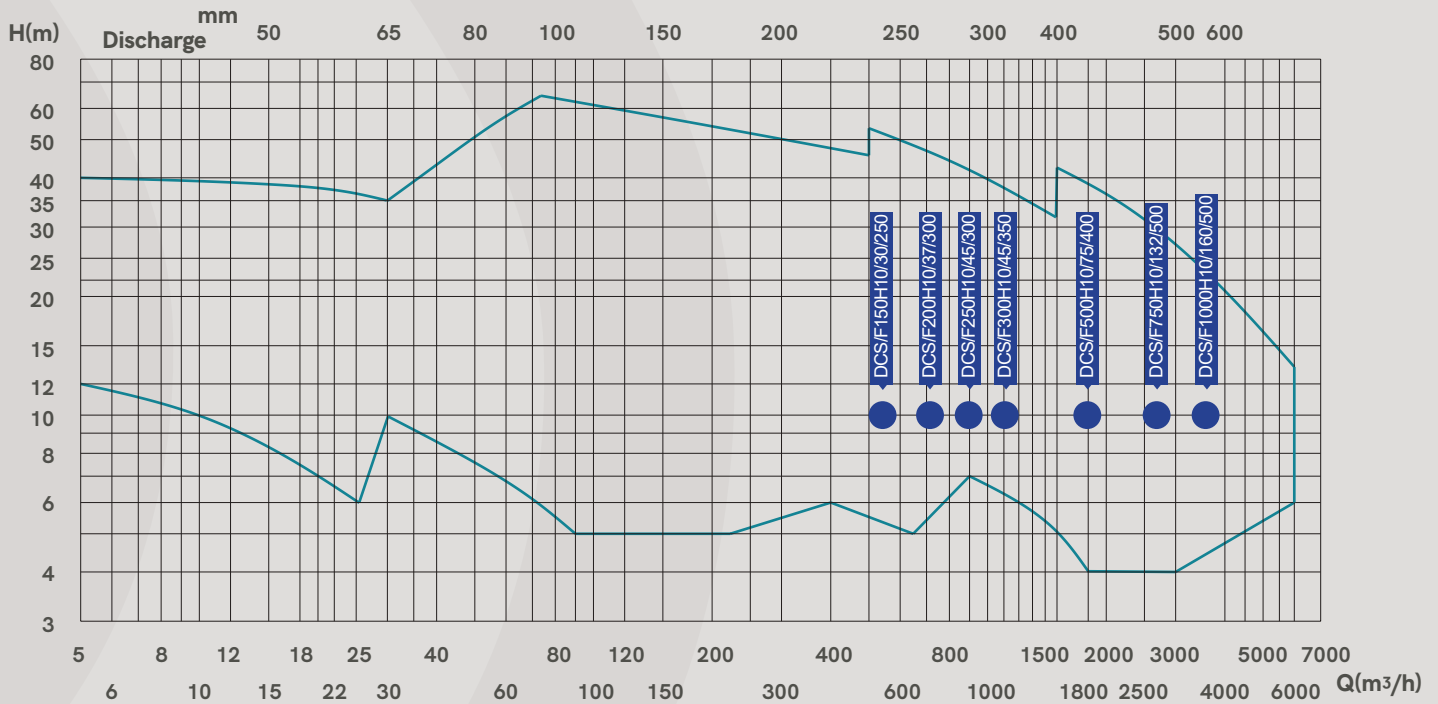
Monitoring System Sensors Type

Motor over-heat protector
Water leakage sensor
Bearing thermal protector
Moisture sensor
Water level sensor

INSTALLATION DRAWING



PERFORMANCE CURVES

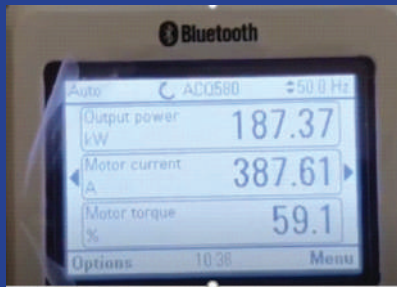


Type	Capacity (l/s)	Capacity (m ³ /h)	Head (m)	Power (kW)	Speed (RPM)	Discharge Diameter (mm)
DCS/F150H10/30/250	150 l/s	540 m ³ /h	10	30	980	250
DCS/F200H10/37/300	200 l/s	720 m ³ /h	10	37	1475	300
DCS/F250H10/45/300	250 l/s	900 m ³ /h	10	45	980	300
DCS/F300H10/45/350	300 l/s	1080 m ³ /h	10	45	740	350
DCS/F500H10/75/400	500 l/s	1800 m ³ /h	10	75	990	400
DCS/F750H10/132/500	750 l/s	2700 m ³ /h	10	132	990	500
DCS/F1000H10/160/500	1000 l/s	3600 m ³ /h	10	160	745	500

FEATURES

1

**Save Electricity
Energy Up To 25%**



2

Low noise level



3

High insulation



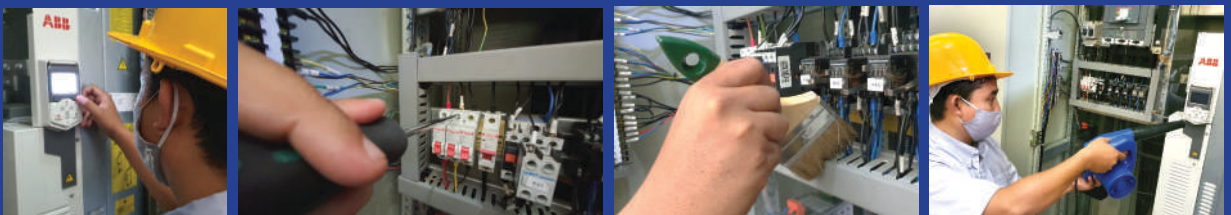
4

Low vibration



5

Complete service and maintenance modules



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