



# Submersible Axial Flow Pump

Excellence – Life – Environment Concern

## INTRODUCTION

DAF series axial-flow pumps are modern productions successfully designed by the means of adopting foreign modern technology. The new pumps' capacity is 20% larger than the old ones. The efficiency is 3-5% higher than the old ones.

DAF series pump with adjustable impellers has the advantages of large capacity, broad head, high efficiency, wide application and so on.

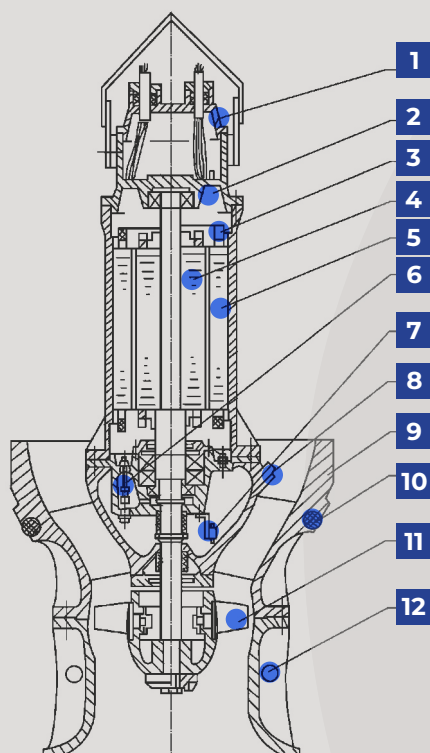
## WORKING CONDITIONS

Medium grade pure water of no larger than 50°C

## APPLICATIONS

DAF Series axial flow pump application range: Water supply in cities, industrial uses, sewage drainage systems, sewage disposal projects, etc.

## STRUCTURE DRAWING



1	Junction
2	Leakage probe
3	Heat protector
4	Rotor
5	Stator
6	Leakage alarm
7	Oil-water probe
8	Oil filler
9	Guide vane
10	Seal ring
11	Impeller part
12	Suction bell

## GENERAL DESIGN

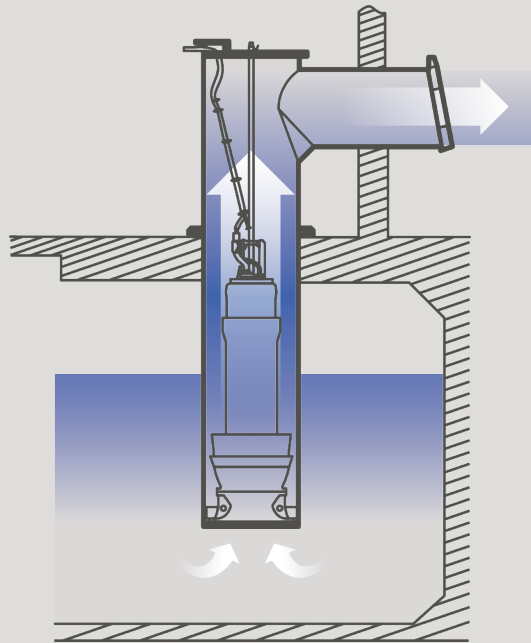
### Material

Impeller Material	Stainless Steel 304 - 316 - Duplex
Shaft Material	Stainless Steel 420
Pump Case Material	Gray Iron Casting 250
Motor Case Material	Gray Iron Casting 250
Cable Hold Material	Stainless Steel 304 - 316 - Duplex
Wearing Ring	Stainless Steel 304 - 316 - Duplex
No. of Blades	4 blades
Cables	10 m
Insulation Class	IP68, Class F

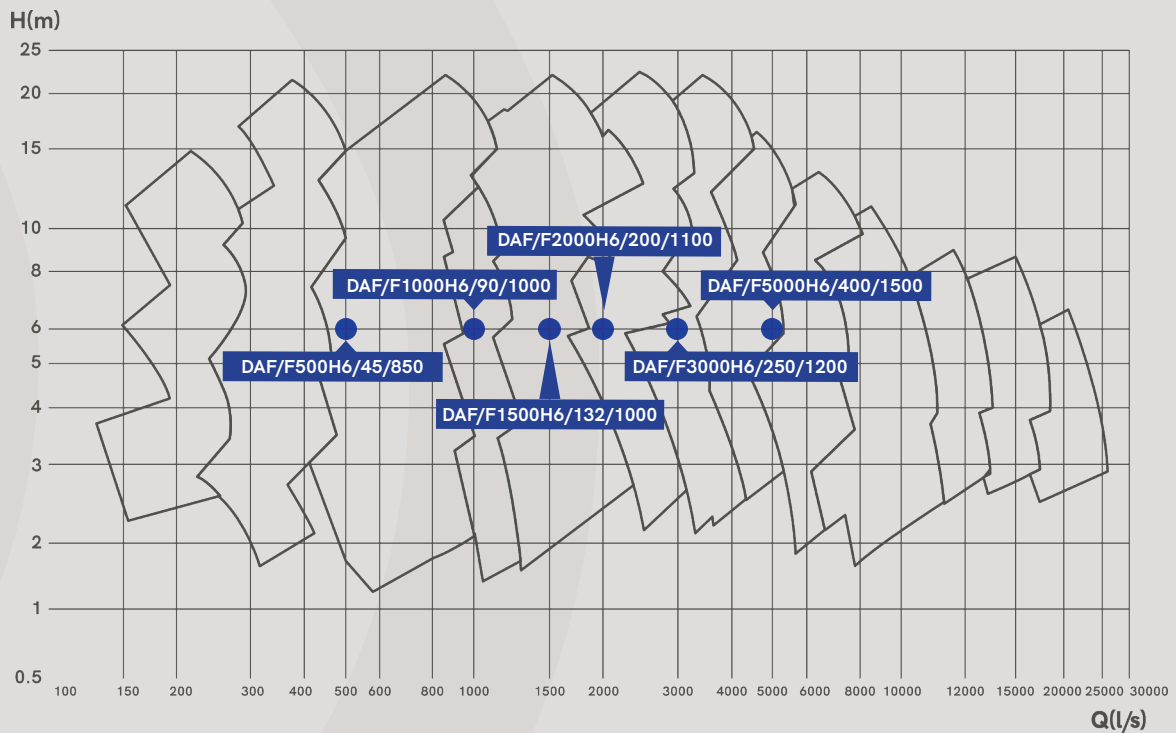
### Monitoring System Sensors Type

PT100 at stator winding  
PT100 at upper & lower bearing  
Leakage Sensor  
Float switch in stator housing  
Moisture sensor

## INSTALLATION DRAWING



## PERFORMANCE CURVES



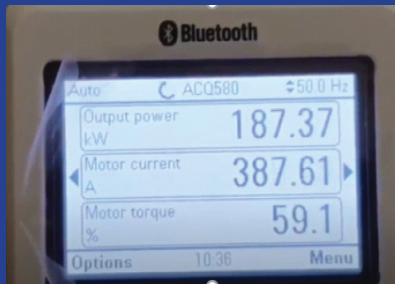
Type	Capacity (l/s)	Capacity (m <sup>3</sup> /h)	Head (m)	Power (kW)	Motor Output (HP)	Rated Current (A)	Column Size (mm)
DAF/F500H6/45/850	500 m <sup>3</sup> /s	1800 m <sup>3</sup> /s	6 m	45	60	100	850
DAF/F1000H6/90/1000	1000 m <sup>3</sup> /s	3600 m <sup>3</sup> /s	6 m	90	120	184	1000
DAF/F1500H6/132/1000	1500 m <sup>3</sup> /s	5400 m <sup>3</sup> /s	6 m	132	180	272	1000
DAF/F2000H6/200/1100	2000 m <sup>3</sup> /s	7200 m <sup>3</sup> /s	6 m	200	270	398	1100
DAF/F3000H6/250/1200	3000 m <sup>3</sup> /s	10800 m <sup>3</sup> /s	6 m	250	335	517	1200
DAF/F5000H6/400/1500	5000 m <sup>3</sup> /s	18000 m <sup>3</sup> /s	6 m	400	540	867	1500



## FEATURES

1

**Save Electricity  
Energy Up To 25%**



2

**Low noise level**



3

**High insulation**



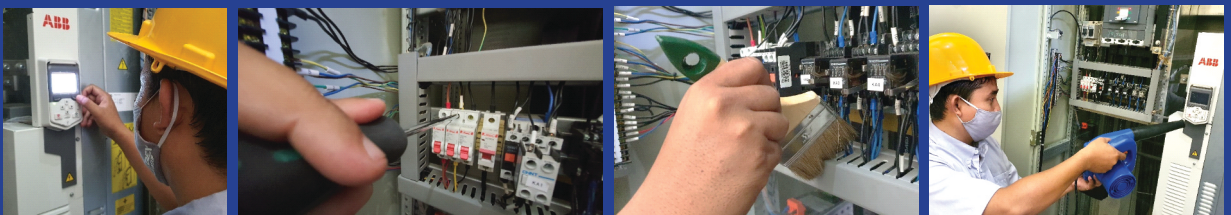
4

**Low vibration**



5

**Complete service and maintenance modules**



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