宏泵集團
HUNG PUMP GROUP



GF Series

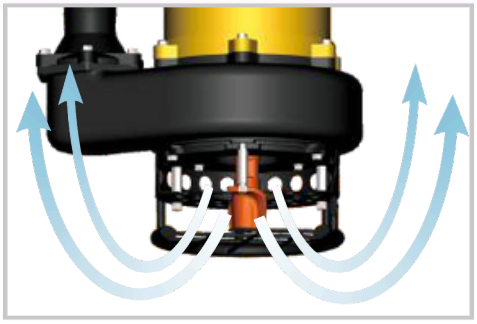
Fully Cooled Heavy Duty Mud Sand Pumps

GF
FullyCooled Heavy Duty Mud Sand Pumps

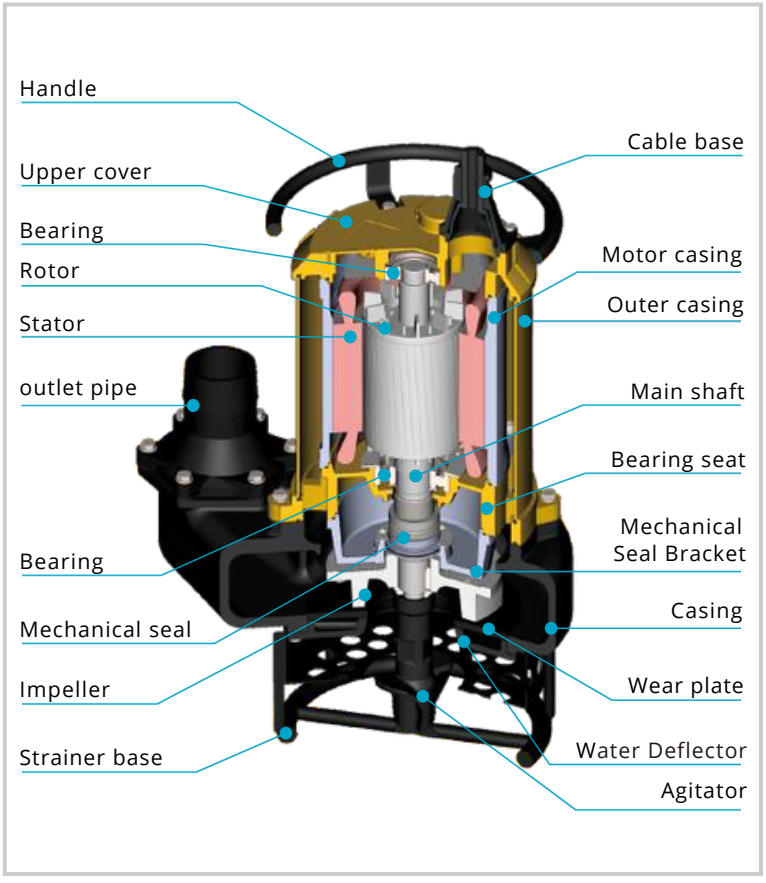
GF
Fully Cooled Heavy Duty Mud Sand Pumps

Features

- Using an external cooling bucket, the water flows completely through the space between the motor and the external cylinder, creating an excellent cooling effect. This helps lower the minimum operating water level and increases the water level that the pump can draw from.
- The dry motor design features a full cast iron motor housing, equipped with dual SiC (Silicon Carbide) mechanical seals. It offers an excellent waterproof structure, resulting in a longer service life.
- The pump is equipped with a high-chromium (HCR) agitator at the bottom, which generates strong water agitation during startup.
  This helps lift and discharge the settled mud and sand.



Section View





Semi-open impeller

The impeller has three blades and features a rear cover plate only. It is suitable for applications where the pumped liquid contains solid particles.

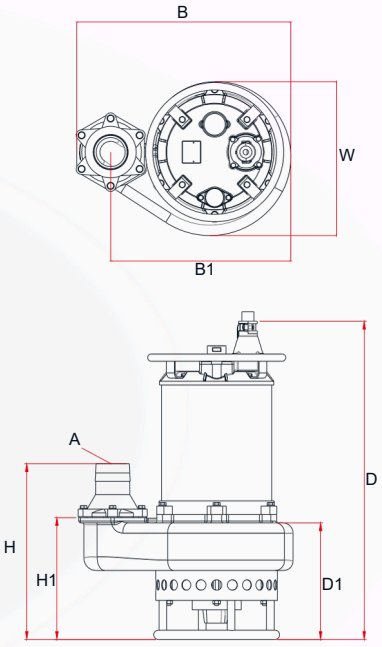
Material

PROJECT		ILLUSTRATE
Liquid	Temp	0~40°C
	Applicability	Sewage 、 Miscellaneous drainage 、 Sediment water 、 Industrial water
Structure	Frequency	60/50 Hz
	Motor	4P Squirrel-cage rotor
	Insulation Level	F Pole
	Waterproof Level	IP68
	Protective Device	Overload Protector (Optional)
	Bearing	Deep groove ball bearings
	Shaft Seal	Single-group mechanical shaft seal with shaft core sleeve
	Impeller	Semi-open impeller
Material	Upper cover	FC200
	Motor casing	FC200
	Shaft	SUS420
	Shaft Seal	CA/CE & SiC/SiC、SiC/SiC & SiC/SiC
	Impeller	FCD500 or HCR
	Cable	VCT / 2CT / PNCT / H07RN-F
Other		Can be customized according to special needs

Applications



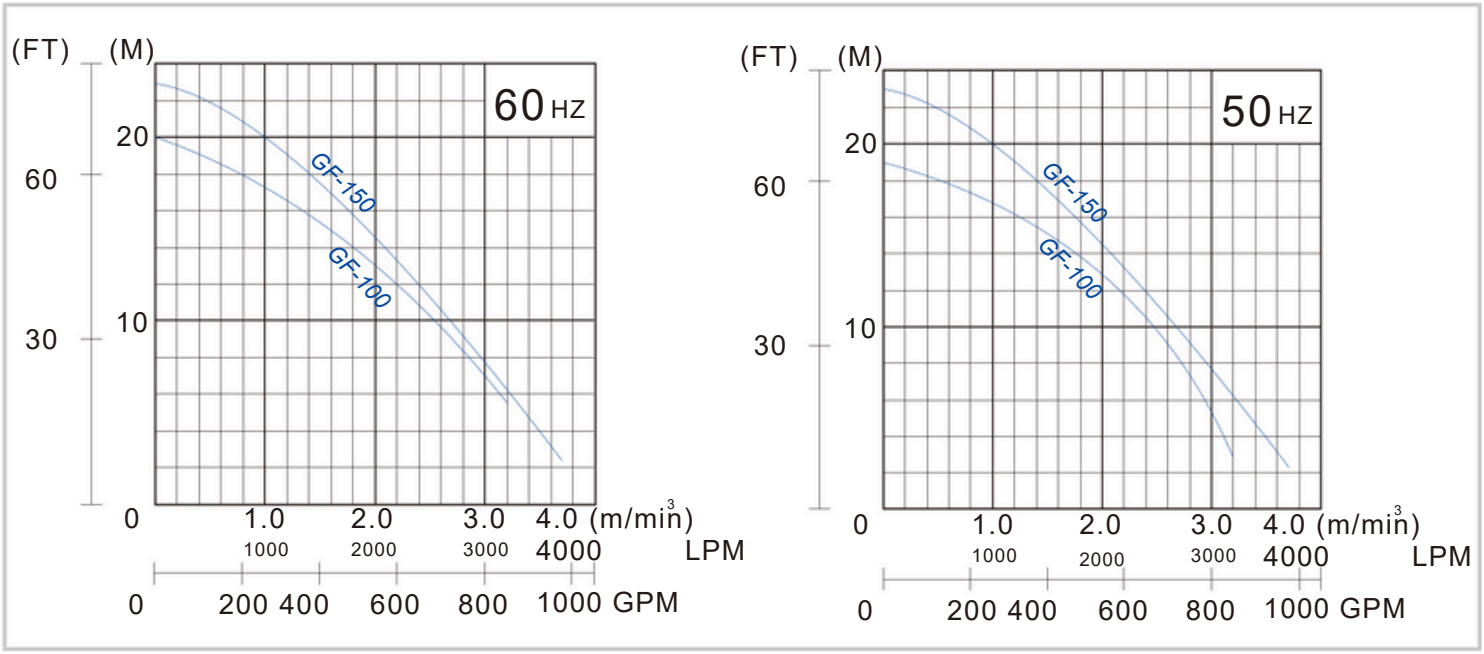




Dimension

Model	A	B	B1	D	D1	H	H1	W
GF-100	100	620	522	906	321	492	336	443
GF-150	100	620	522	935	321	490	336	443

Curve



Specification

Model	Phase	Pole	Rated Output		Diameter		Rated Head	Rated Capacity	Max Head	Max Capacity	Solids Diameter	Weight
		P	HP	kW	Inch	mm	M	m3/min	M	m3/min	mm	Kg
GF-100	3	4P	15	11	100	4"	15	1.6	19	3.2	30	218
GF-150			20	15	100	4"	20	1.0	23	3.7	30	238



Motor overload protector

The automatic reset overload protector activates in the event of abnormal current or temperature, cutting off the power supply to prevent motor damage.



Single mechanical seal

Thepumpuses a single SiC(SiliconCarbide) mechanical seal, which offers excellent resistance to oxidation, corrosion, and wear, making it suitable for long-term operation.
Additionally, it is equipped with a shaft sleeve to protect the shaft and reduce wear.



High-efficiency dry motor

The dry, submersible squirrel cage induction motor is designed with precision to optimize motor startup, load durability, and temperature rise characteristics. The coils are treated with special insulation for improved efficiency and longer service life.



High-chromium agitator

The pump is equipped with a HCR (high-chromium) agitator at the bottom, which generates strong water agitation upon startup. This helps lift and discharge the settled mud and sand.