



ACCESSORIES : ELBOW / GRS - GUIDE RAIL SYSTEMS


Pump can be installed with 90° Elbow with Flange outlet or GRS quick coupling system, for quick and safer for installation, removal, replacement and maintenance purpose.



ELBOW


GRS

PRODUCT FEATURES




Epoxy Cable Base

An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.




Mechanical Seals

Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.



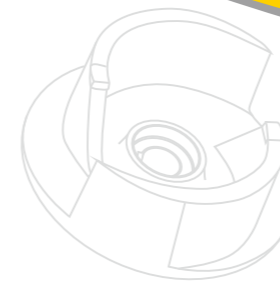
Auto-cut Protector

Automatic On/Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



High Efficiency Dry Motors

All stator coils need to be treated with insulating varnish procedure to achieving the best insulation, efficiency and durability.



AFC **50Hz** SERIES
SUBMERSIBLE CUTTER PUMP



Professionalism • Innovation • Service • Commitment
HCP PUMP MANUFACTURER CO., LTD.
www.hcppump.com.tw



Distributor:

DAFCENS-1811


We reserve the right to alter specifications of product at any time without giving prior notice.



AFC New Generation

FEATURE

- New AFC cutter pumps, with a tungsten carbide edged impeller, are perfect for pumping sewage and breaking/tearing solids in sewage treatment plants.
- International standard design : Epoxy Resin Sealed cable, motor protector, dry-motor, silicon carbide mechanical seal, high grade cast iron offering highest quality and performance.
- Double Mechanical Seal: Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.
- In order to make sure the highest quality of products, HCP Pump installed professional assembly lines and applied strict quality control measures during the assembly and final product release.

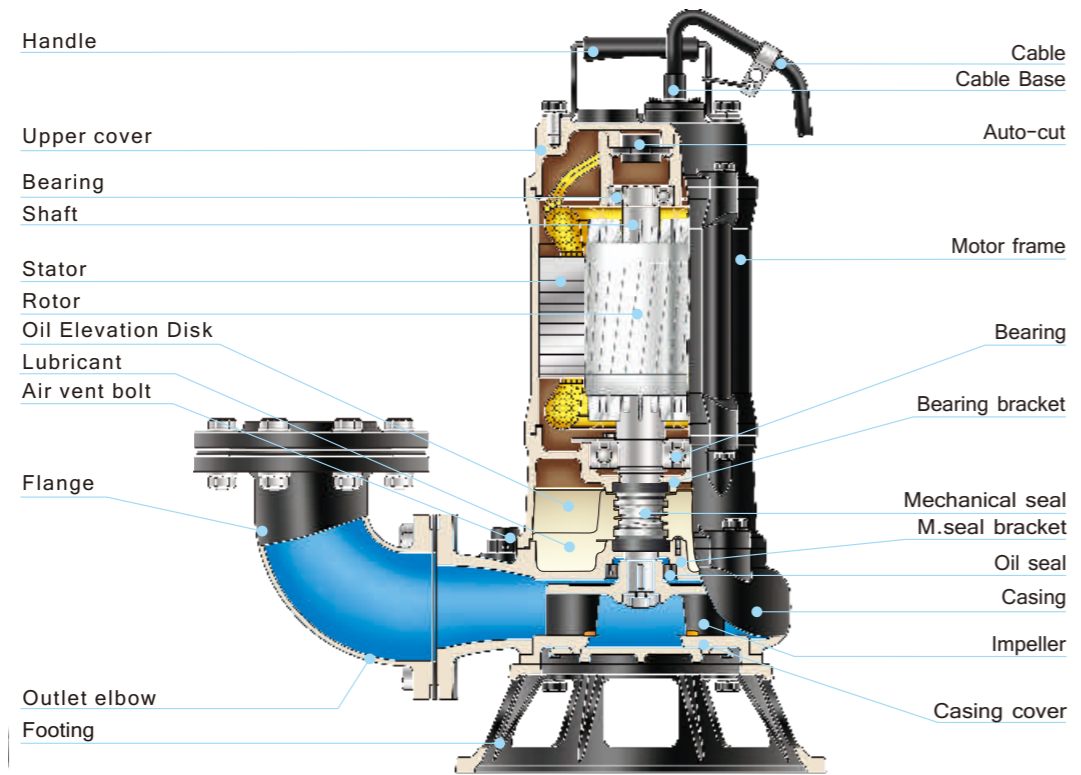


C type impeller and Cutter casing cover

Semi-open

The tungsten carbide edge, on the impeller vanes, shreds against the inner cutting blades to break down destructible solids into small pieces to prevent clogging in the pump.

The heat hardened casing cover is designed to withstand abrasions.



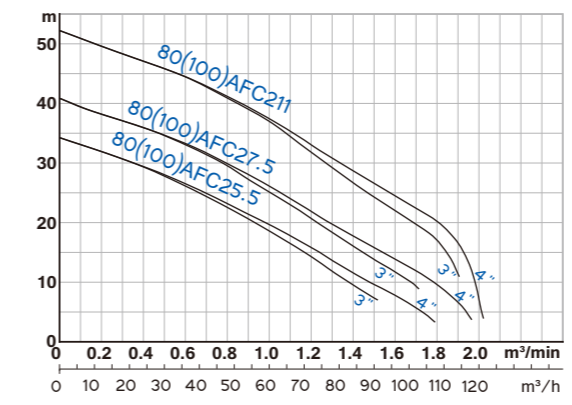
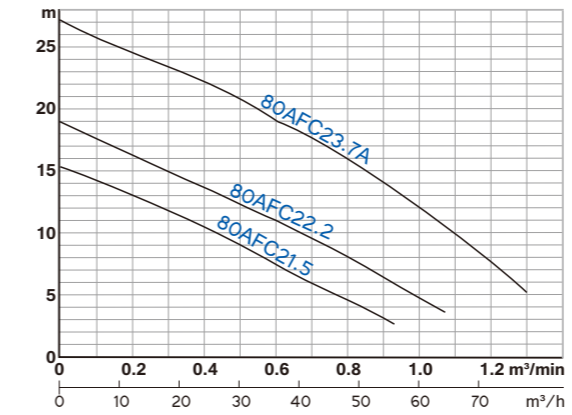
APPLICATIONS

- Drainage of waste water containing fibrous additives from leather factory, dyeing factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Drainage of waste water from the attenuation tank, purifying tank and sewage tank in water treatment plant.

PRODUCT NOMENCLATURE

80	AF	C	2	1.5
Discharge mm	Type	Impeller type	Pole	kW

PERFORMANCE CURVES



SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp.: 0~40°C(32~104°F)
	Applications: Wastewater • Sewage
	Frequency: 50Hz
Type	Motor: 2P (3000rpm) • Dry Motor
	Insulation: Class F (2~5HP) • Class H (7.5~15HP)
	Protection: IP68
	Protector: Auto-cut (2~10HP) • MTS&MS (15HP)
	Bearing: Ball type
	M.seal: Double M.seals
Material	Impeller: Semi-open
	Upper Cover: FC200
	Motor Frame: FC200
	Shaft: SUS403 (2~10HP) • SUS420J2 (15HP)
	M.seal: CA/CE & SiC/SiC
	Casing: FC200
	Impeller: FC200 + Tungsten
Casing Cover: FC200 + Heat	
Footing: FCD450	
Cable: VCT/HVCT or H07RN-F or SJOW/SOW	
Optional	Pumps can be customized to fit specifications

PERFORMANCE SPEC.

※Start Method : Y-D = STAR-DELTA.
The listed weight is not including cable and discharge.

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm				
						m³/min	m³/h		1Ø	3Ø	A	B	C	D	
80AFC21.5	2 (1.5)	3" (80)	1	Capacitor	7.5	0.6	36	62	37	33	417	275	260	576	521
80AFC22.2	3 (2.2)	3" (80)	3	Direct	11	0.6	36	62	40	35	417	275	260	603	521
80AFC23.7A	5 (3.7)	3" (80)	3	Direct	19	0.6	36	62	-	48	498	305	290	-	578
80(100)AFC25.5	7.5 (5.5)	3" (80)	3	Direct	26	0.6	36	67	-	75	565	373	345	-	689
		4" (100)			19.5	1.0	60				596				
80(100)AFC27.5	10 (7.5)	3" (80)	3	Direct	33	0.6	36	67	-	81	565	373	345	-	689
		4" (100)			26	1.0	60				596				
80(100)AFC211	15 (11)	3" (80)	3	Y-D	44	0.6	36	67	-	91	565	373	345	-	729
		4" (100)			37	1.0	60				596				

