



FKO.FBV.FBK.FBC Series

Sewage Effluent, Vortex, Non-clog & Cutter Pump

Power output: 2.2kw (3hp) & 3.7kw (5hp)



General features:

Motor

- Oil-free motor with thermal and over-current protector.
- Asynchronous motor 3 phase, 2 pole, 50Hz/2850rpm or 60Hz/3450rpm.
- Insulation class F=155°C, Protection Type IP68.

Construction

- Completely sealed water resistance cable entry.
- Durable Cast Iron casing for superior heat dissipation.
- Highly wear resistance heat treated 410 stainless steel shaft.
- Double mechanical seals (lower silicon carbide v silicon carbide, upper carbon/ceramic) for superior wearing resistance and to ensure durability.

Pump

- Rigid ductile iron impeller, abrasion resistant, in various design.
- Max. liquid temperature: 40°C (104°F)
- Max. submerged depth: 10m (33ft)
- Cable: 10m (33ft) PVC or HO7RN-F upon request.
- Guide Rail Fittings are available upon optional request.

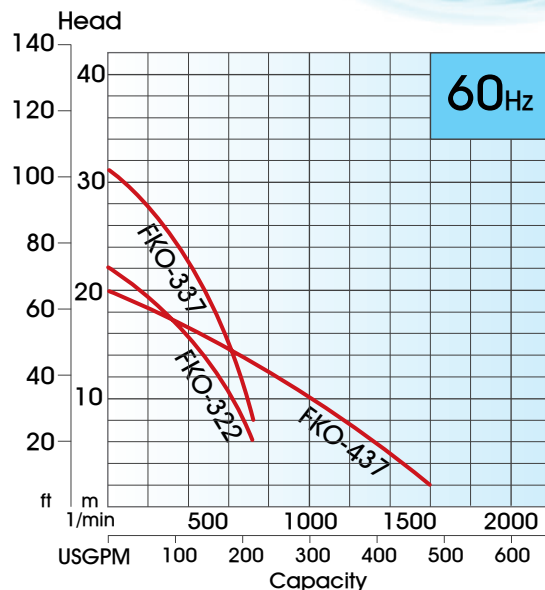
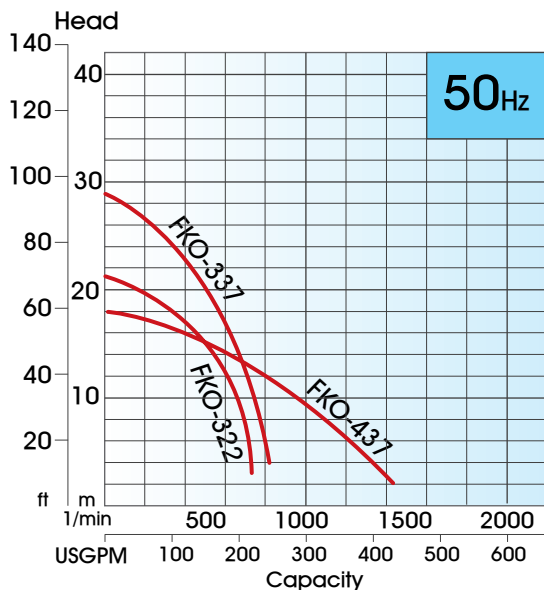
FKO.FBV.FBK.FBC

Applications

- a. Draining treated water from small scale purification or treatment yards.
- b. Draining water in under-ground passages and in buildings.
- c. Draining other waste water.



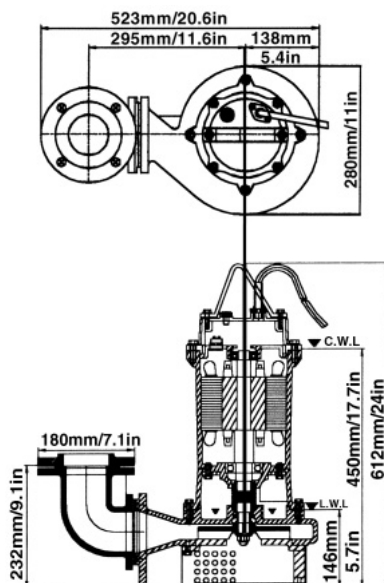
Performance Curve



Technical Specifications

Type	Outlet		Output		Voltage 3 p	Nor.Head		Nor.Capa.		Max.Head		Max.Capa.		Solid Pass.		Weight		
	mm	inch	watt.	hp		m	ft	l/min	USgpm	m	ft	l/min	USgpm	mm	inch	kg	1b	
FKO-322	80	3	2200	3	220/380	10	33	600	159	20	66	700	185	11	0.4	58	128	
FKO-337	80	3	3700	5		415/440	20	66	500	132	30	98	800	211	11	0.4	62	136
FKO-437	100	4	3700	5			10	33	1000	264	18	59	1500	396	11	0.4	62	136

Dimensions



Main parts description

- a. Rigid steel casting handle.
- b. Top cover, motor casing, and volute are made of cast iron.
- c. SUS410 motor shaft.
- d. Double mechanical seals (CE/CA+SIC/SIC)
- e. Stainless steel strainer.
- f. Ductile iron open impeller for drainage/effluent application.

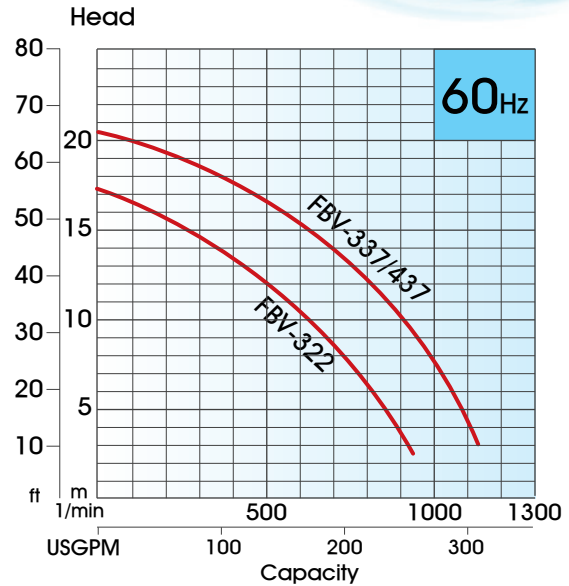
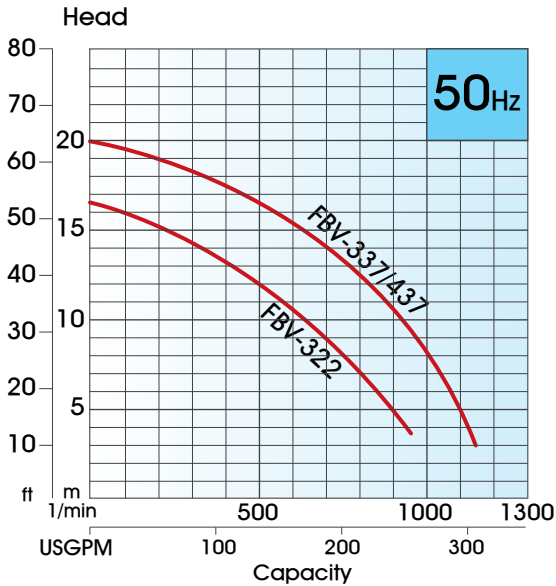


Applications

- a. Water treatment process in sewage treatment yards.
- b. Draining from buildings and sanitary facilities.
- c. Draining rain water.
- d. Draining water treatment process at waste water treatment yards.
- e. Draining other sewage water.



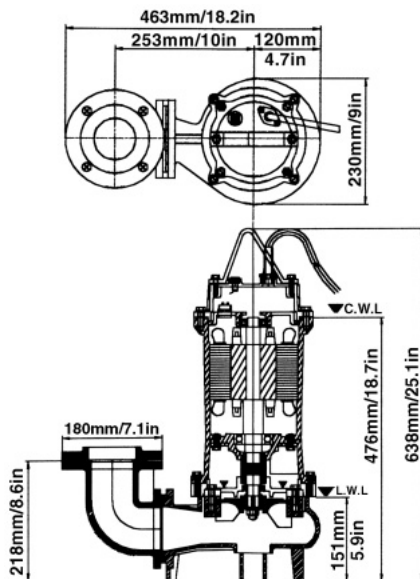
Performance Curve



Technical Specifications

Type	Outlet		Output		Voltage 3 p	Nor.Head		Nor.Capa.		Max.Head		Max.Capa		Solid Pass.		Weight	
	mm	inch	watt.	hp		m	ft	l/min	USgpm	m	ft	l/min	USgpm	mm	inch	kg	1b
FBV-322	80	3	2200	3	220/380	12	39	500	132	17	56	1000	264	56	2.2	50	110
FBV-337	80	3	3700	5	415/440	14	46	700	185	20	66	1200	317	56	2.2	54	119
FBV-437	100	4	3700	5		14	46	700	185	20	66	1200	317	56	2.2	54	119

Dimensions



Main parts description

- a. Rigid steel casting handle.
- b. Top cover, motor casing, and volute are made of cast iron.
- c. SUS410 motor shaft.
- d. Double mechanical seals (CE/CA+SIC/SIC)
- e. Ductile iron vortex impeller prevents internal clogging by solids and fibrous matter.

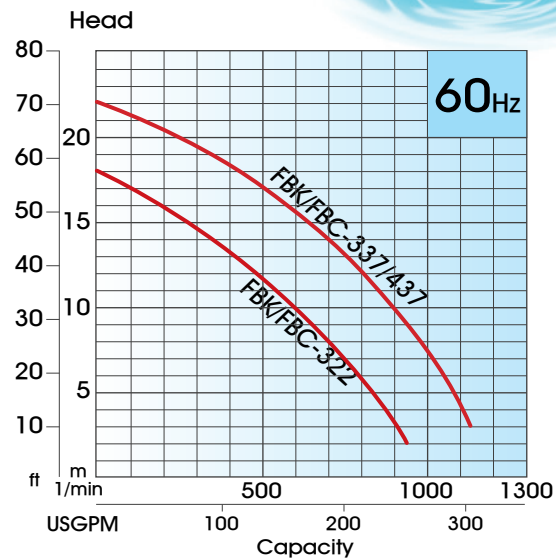
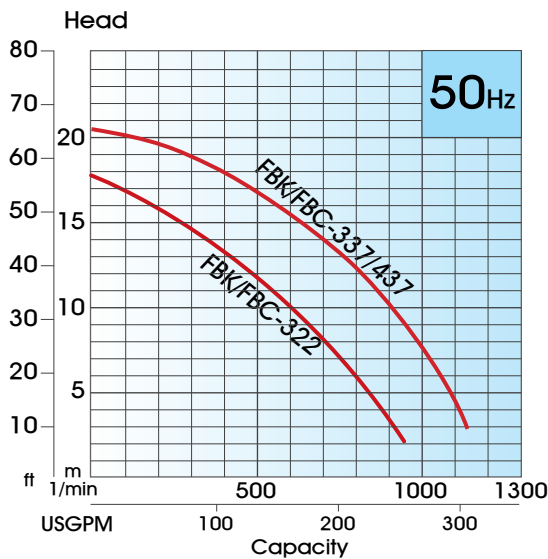


Applications

- Water treatment process in sewage treatment yards.
- Draining from buildings and sanitary facilities.
- Draining rain water.
- Draining water treatment process at waste water treatment yards.
- Draining other sewage water.



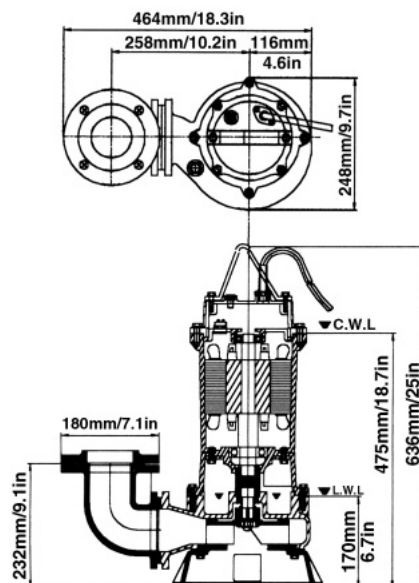
Performance Curve



Technical Specifications

Type	Outlet		Output		Voltage 3 p	Nor.Head		Nor.Capa.		Max.Head		Max.Capa		Solid Pass.		Weight	
	mm	inch	watt.	hp		m	ft	l/min	USgpm	m	ft	l/min	USgpm	mm	inch	kg	1b
FBK-322	80	3	2200	3	220/380	10	33	600	159	18	59	1000	238	70	2.8	59	130
FBK-337	80	3	3700	5	415/440	14	46	700	185	22	72	1200	290	70	2.8	63	139
FBK-437	100	4	3700	5		14	46	700	185	22	72	1200	290	70	2.8	63	139
FBC-322	80	3	2200	3		10	33	600	159	18	59	1000	238	70	2.8	59	130
FBC-337	80	3	3700	5		14	46	700	185	22	72	1200	290	70	2.8	63	139
FBC-437	100	4	3700	5		14	46	700	185	22	72	1200	290	70	2.8	63	139

Dimensions



Main parts description

- Top cover, motor casing, and volute are made of cast iron.
- SUS410 motor shaft.
- Double mechanical seals (CE/CA+SIC/SIC)
- Impeller:

FBK Series-

Unique two-blade non-clog impeller prevents internal clogging by solids in the pumping liquid.

FBC Series-

Tungsten carbide steel tips incorporated with unique chopper plate to cut fibrous materials.

