



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.

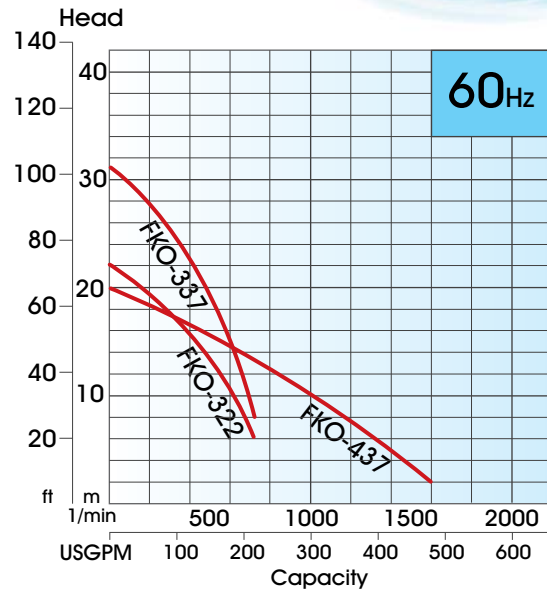
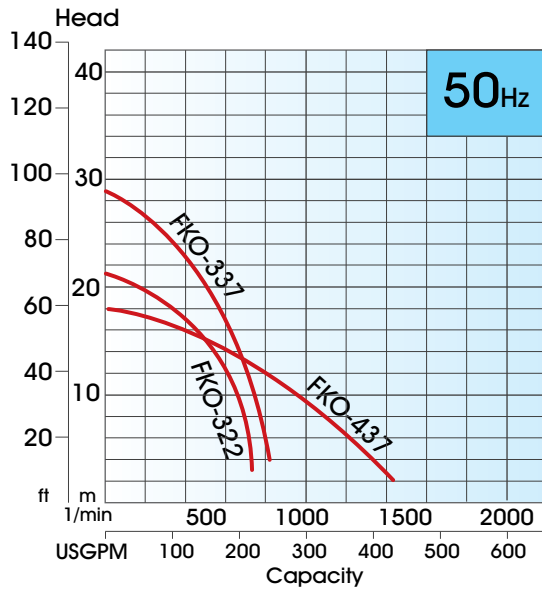
FKO.FBV.FBK.FBC

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.



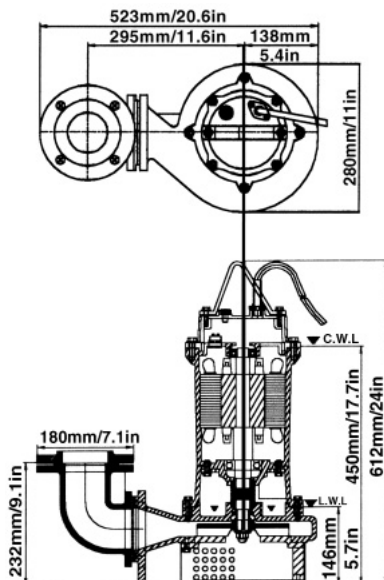
Performance Curve



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 | 220/380 415/440 | 10 | 33 | 600 | 159 | 20 | 66 | 700 | 185 | 11 | 0.4 | 58 | 128 |
| FKO-337 | 80 | 3 | 3700 | 5 | | 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.

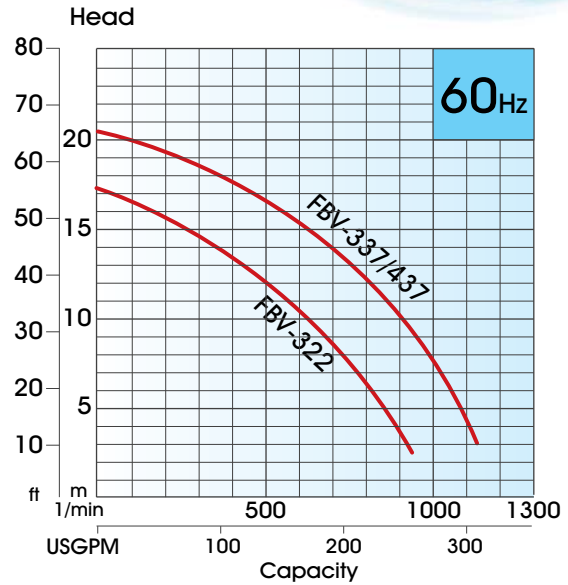
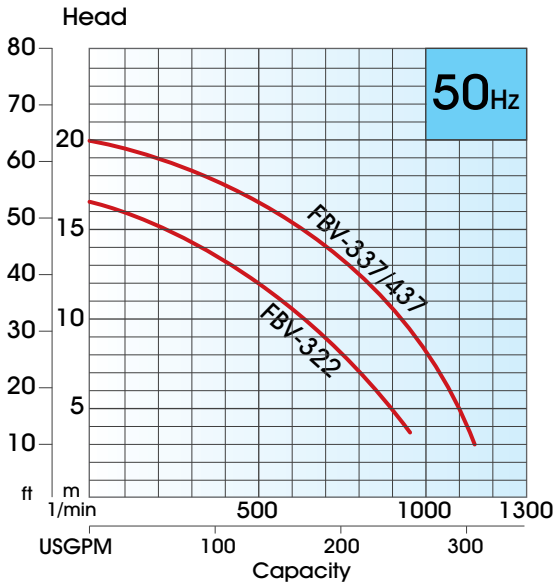


Applications

- 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.



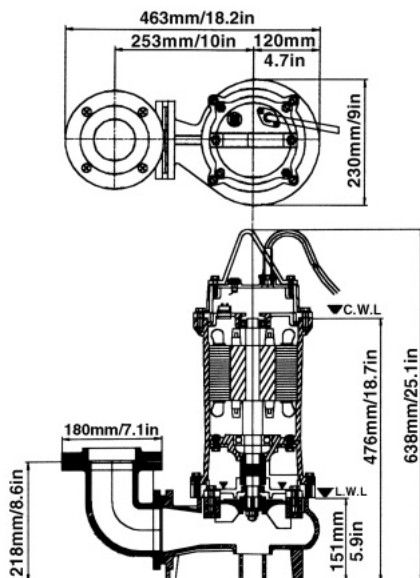
Performance Curve



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.

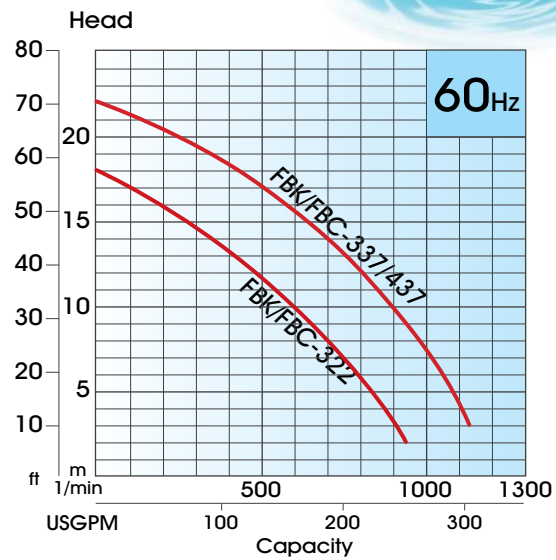
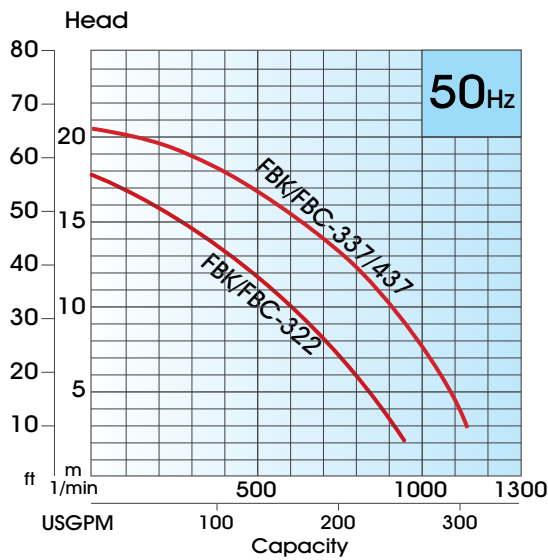


Applications

- 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.



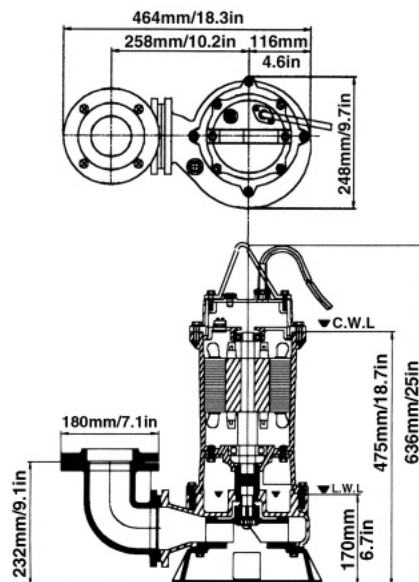
Performance Curve



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 | 415/440 | 14 | 46 | 700 | 185 | 22 | 72 | 1200 | 290 | 70 | 2.8 | 63 | 139 |
| FBC-322 | 80 | 3 | 2200 | 3 | 220/380 | 10 | 33 | 600 | 159 | 18 | 59 | 1000 | 238 | 70 | 2.8 | 59 | 130 |
| FBC-337 | 80 | 3 | 3700 | 5 | 415/440 | 14 | 46 | 700 | 185 | 22 | 72 | 1200 | 290 | 70 | 2.8 | 63 | 139 |
| FBC-437 | 100 | 4 | 3700 | 5 | 415/440 | 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.

