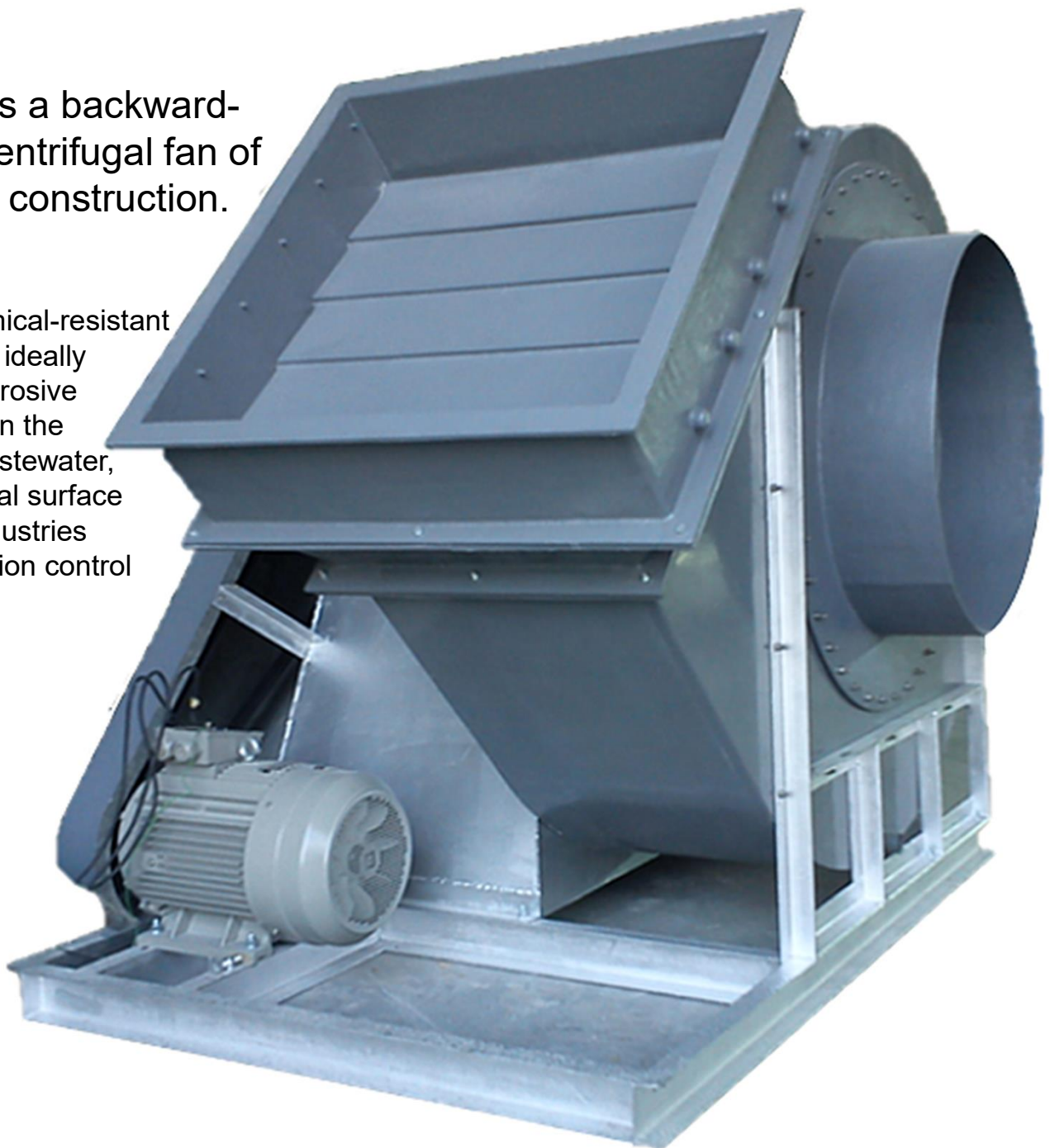


F I B E R G L A S S

Centrifugal Fan

GlasFan is a backward-inclined centrifugal fan of fiberglass construction.

With its chemical-resistant property, it is ideally suited for corrosive applications in the chemical, wastewater, fertilizer, metal surface treatment industries and air pollution control system.

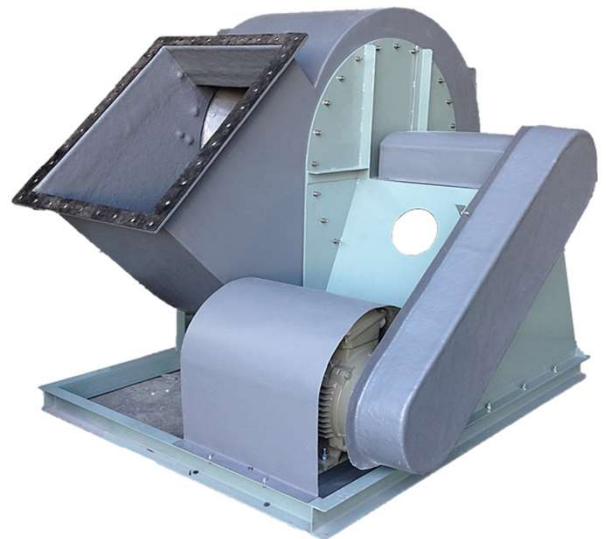


Construction Specification

- **Housing** – Housing is seamless and made of top grade, chemical-resistant and weather-resistant vinyl ester resin. It is fabricated with a hand hole to allow for simple cleaning and inspection of impeller and interior. A drain port allows for liquid to be entrained. Housing exterior is coated with grey gel coat.
- **Impeller** – Backward inclined impeller is made of top grade, chemical-resistant vinyl ester resin. Hub, shaft and fasteners are fully encapsulated in fiberglass to prevent direct contact with corrosive fumes. Each impeller is dynamically balanced before final assembly.
- **Drive shaft** – Made of stainless steel, it is a rotating part that connects the impeller with belt and pulley system. In a direct driven fan, impeller speed is directly proportional to the speed of the motor. In a belt driven fan, drive shaft is connected to the motor shaft by belt, which is mounted on a sheave.
- **Plummer/ pillow block bearing** – The plummer block is a pedestal that supports the rotating shaft.
- **Belt and taper lock pulley** – A number of belts are installed on a pair of taper lock pulley. The size of pulley is chosen to change the rotational speed of the impeller.
- **Motor** – Foot mounted induction motor is coupled to the centrifugal fan. It can be selected based on requirement.
- **Frame** – It is constructed of welded mild steel with epoxy coating or galvanized steel. It holds the fan housing, shaft and motor in fixed position.
- **Gasket** – Neoprene or EPDM gaskets are included at all bolted joints.

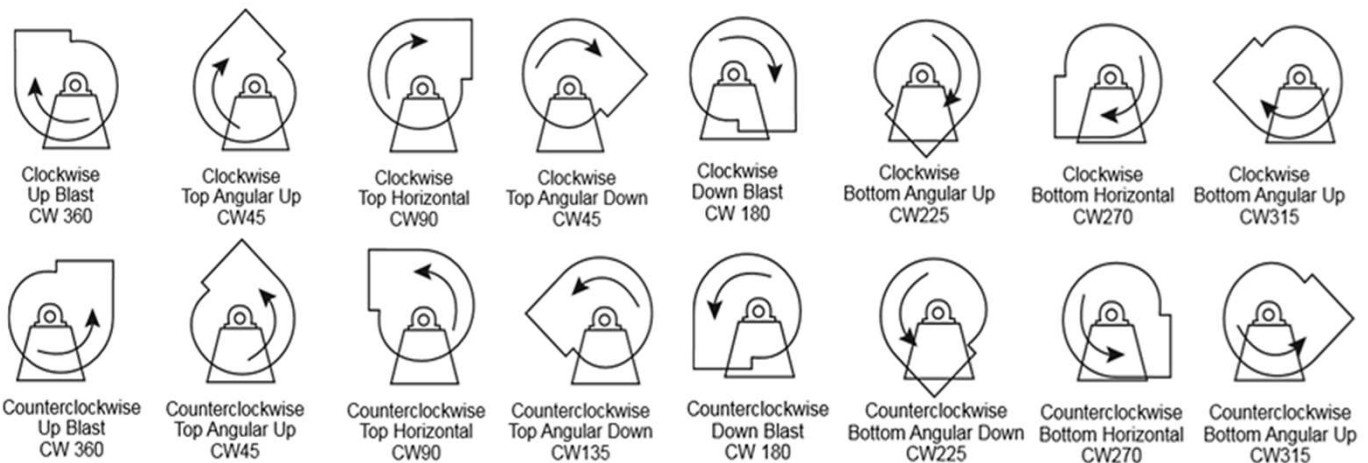
Accessories

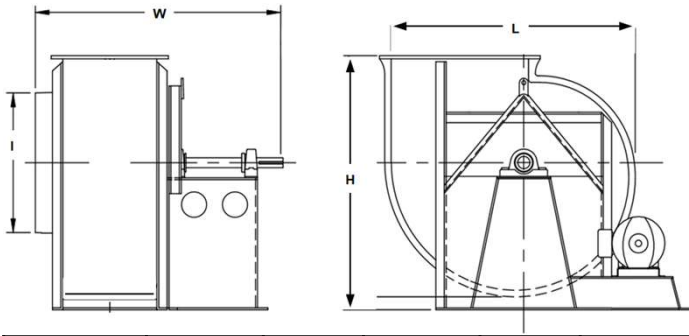
- **Backdraft damper** – Also known as gravity damper or auto damper, it is fabricated with FRP and is commonly installed on fan outlet. It must be installed on a vertical duct. The damper is opened by force of moving air stream.
- **Isolation damper** – Made of FRP, it is fitted with a handle for manual opening or closing of the damper.
- **Shaft cover and belt guard** – Provides protection for exposed moving parts.
- **Motor cover** – It allows for adequate motor ventilation while protecting motor and drive.
- **Vibration absorber** – Installed in between two base frames, it prevents vibration-related defects. It is normally installed for huge capacity fan.



Designation for Rotation & Discharge of Centrifugal Fans

Note: Direction of rotation is determined from drive side of fan.





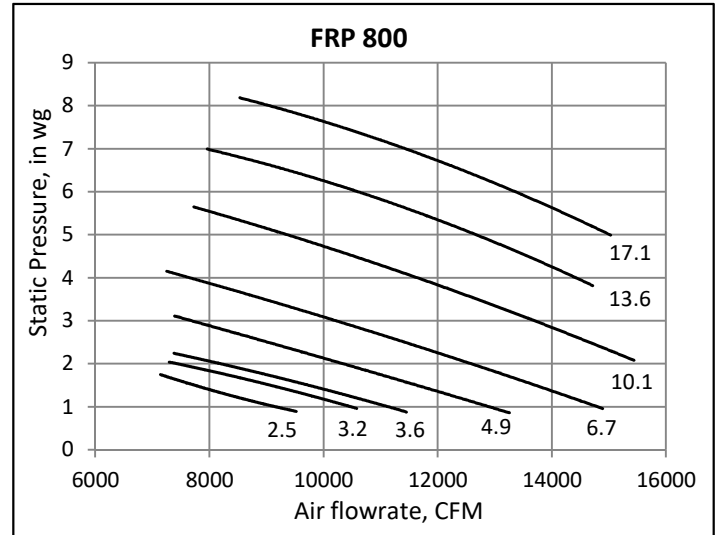
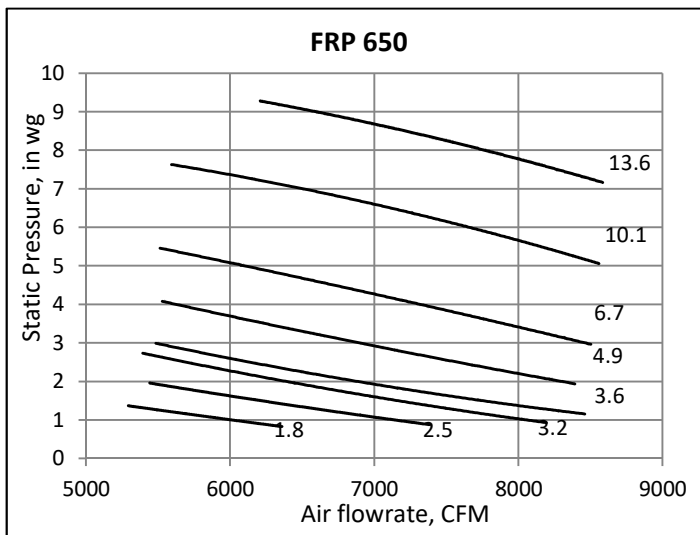
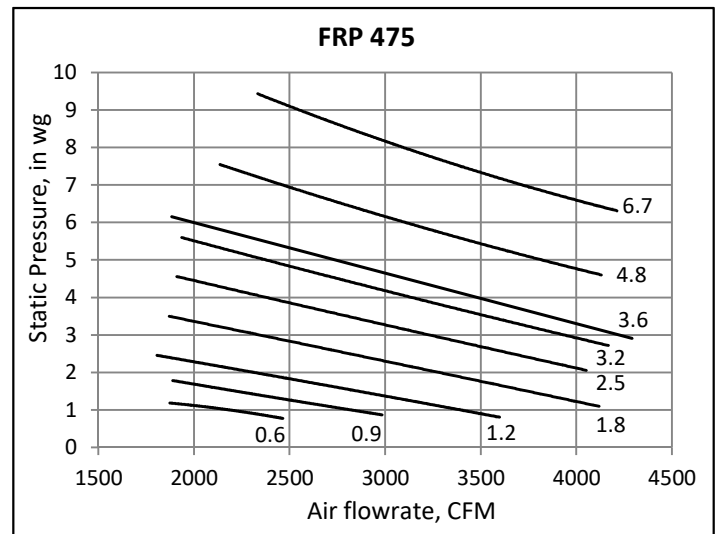
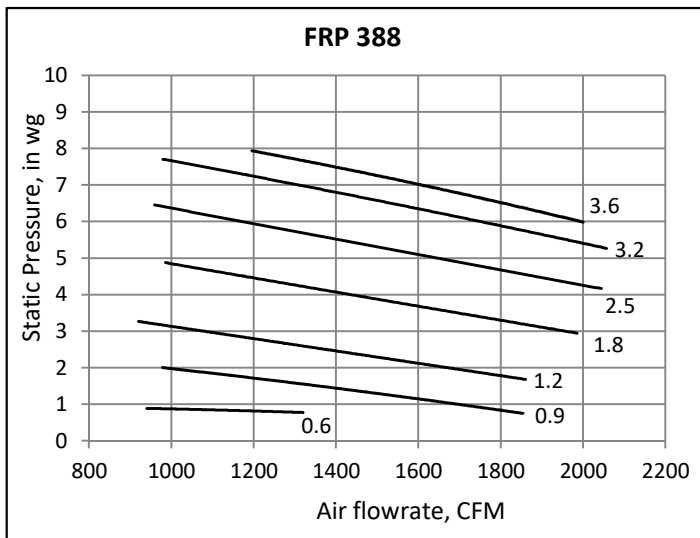
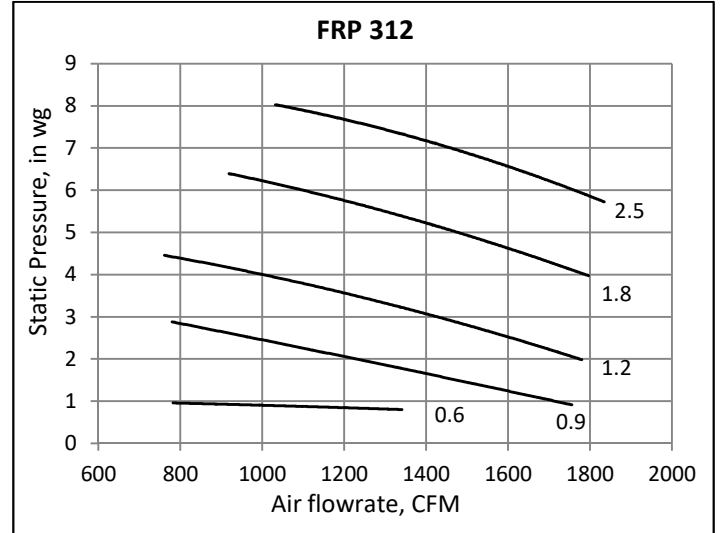
Model	W	L	H	I	Weight (kg)
FRP 312	810	750	725	312	72
FRP 388	880	850	750	399	95
FRP 475	1150	975	950	475	150
FRP 650	1400	1300	1250	650	250
FRP 800	1600	1600	1500	800	380

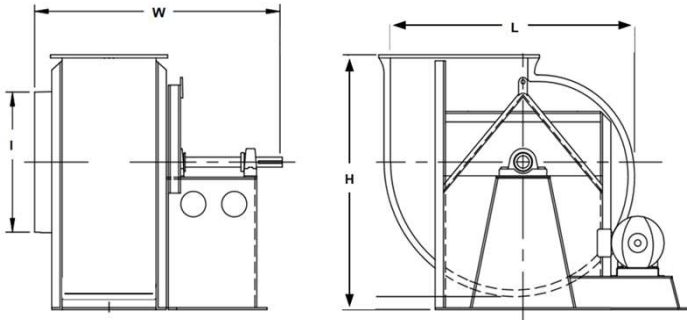
Note:

1. All measurements in mm.
2. "H" excludes base frame.
3. Weight excludes motor and base frame.

Fan Performance Data

1. BHP indicated in the performance curve does not include transmission losses.
2. Performance ratings do not include the effects of appurtenances (accessories).





Model	W	L	H	I	Weight (kg)
FRP 950	2080	1900	1800	950	760
FRP 1100	2300	2150	2000	1100	980
FRP 1250	2400	2450	2300	1250	1200
FRP 1400	2650	2750	2600	1400	1800
FRP 1550	2800	3050	2850	1550	2000

Note:

1. All measurements in mm.
2. "H" excludes base frame.
3. Weight excludes motor and base frame.

Fan Performance Data

1. BHP indicated in the performance curve does not include transmission losses.
2. Performance ratings do not include the effects of appurtenances (accessories).

