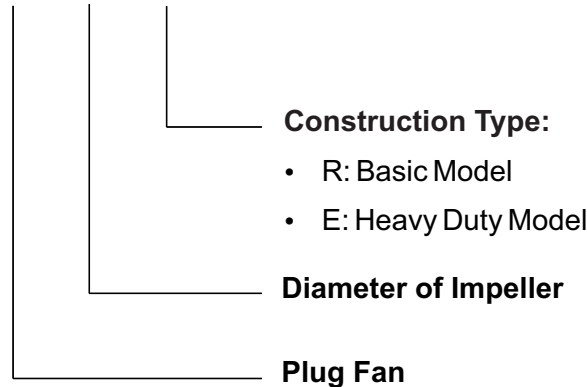


## Fan Code

**PF 500 R**



## General Information

Plug fan is a complete fan assembly to be used in Air Handling units. The fan is available in 13 sizes and covers airflow up to 70.000 m<sup>3</sup>/h and pressure rises up to 3.000 Pa.

The fan is installed on the floor inside the AHU using anti vibration mountings.

The impeller is designed backward curve to work inside the Air Handling Unit to give best performance for:

- High overall efficiency.
- Low sound levels at inlet and outlet
- Easy installation
- Lowest possible vibration levels.

## Construction Information

PF series are mainly constructed of base frame, backward curve impeller, motor and front plate, inlet cone and wrap part.

### Mounting Bracket

Base frame, motor bracket and front plate are made of mild steel with powder coated finishing.

Base frame is fitted together with impeller, inlet cone and motor.

### Impeller

The plug fan impeller is made of powder coated steel with backward curve blades. The impeller is aerodynamically designed for high efficiency and low power consumption. They are balanced according to ISO 1940:G2.5mm/s quality standard. The impeller has a GG-hub with taper lock bush.

## Motor Data

Motors incorporated are TEFC (Total Enclosed Fan Cooled) and airstream rated to IEC 34-1.

Protected to IP55 with Class F insulation standard.

Motors are suitable for speed control by frequency inverter, subject to fan selection.

Available specific for your project requirements such as:

- 220-240V / 380-415V-50Hz
- IE1, IE2, IE3 and IE4 Efficiency Classes.
- High temperature motor and double speeds motor (Class H): 250°C/2hrs or 300°C/2hrs.

## Inlet Cone

The design of the fan inlet is designed to optimize the flow into the impeller. The inlet is in one piece and made of hot galvanized steel or stainless steel upon requested.

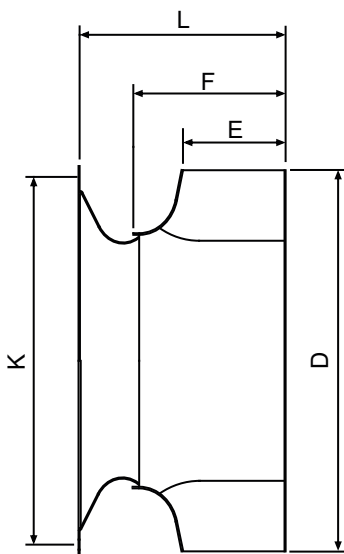
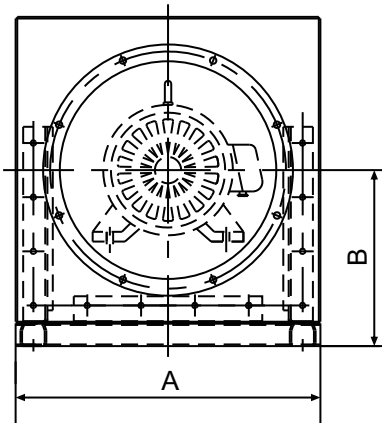
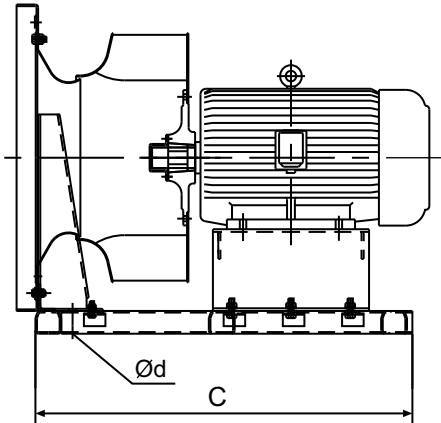
## Performance Data

Full details are available on our selection program: Breeze Fan.

- Manufactured under a certified ISO 9001:2015.
- The performance is tested international standards by BS 848-1:1985 and ISO 5801.
- All curves to a density of  $\rho = 1,2 \text{ kg/m}^3$ , at 20°C.

## Sound Level

All measurements of the sound that the fans generate have been taken strictly in accordance with BS 848-2, test method 1 and ISO 13347-2 for acoustic performance.

**Dimension Information**


Model	A	B	C	Ød
<b>PF 250</b>	376	226	475	14
<b>PF 280</b>	400	238	475	14
<b>PF 315</b>	430	253	520	14
<b>PF 355</b>	462	269	533	14
<b>PF 400</b>	502	289	586	14
<b>PF 500</b>	612	348	760	14
<b>PF 560</b>	688	400	870	18
<b>PF 630</b>	769	440	920	18
<b>PF 710</b>	850	510	1000	18
<b>PF 800</b>	940	550	1100	20
<b>PF 900</b>	1044	632	1200	20
<b>PF 1000</b>	1140	680	1320	20

All dimensions in mm.

Fan Size	D	E	F	K	L	n <sub>max</sub>
<b>250</b>	257	80	118	259	158	4500
<b>280</b>	289	89	133	286	180	4300
<b>315</b>	324	100	146	320	201	4000
<b>355</b>	365	112	162	356	224	3500
<b>400</b>	410	126	185	395	253	2900
<b>450</b>	460	142	210	438	282	2900
<b>500</b>	517	159	235	487	317	2500
<b>560</b>	578	178	262	541	357	2200
<b>630</b>	648	199	293	605	402	1900
<b>710</b>	728	224	328	674	450	1600
<b>800</b>	818	252	368	751	507	1400
<b>900</b>	917	282	413	837	564	1250
<b>1000</b>	1012	316	462	934	629	960

All dimensions in mm.

Dimensions shown are approximate only. The details please contact to local sales office for more information.