



Corrosive  
Backward  
Inclined

Fiberglass  
Reinforced  
Plastic



High Efficiency  
through Impellers with  
Backward curved Blades



### Characteristics and Design

Plastic radial fans are used for ventilation of aggressive mediums like acidic or solvent vapors and others. These corrosive mediums are typically found in process technology, petrochemistry, textile production, printing plants, laundries, laboratories and many others.

The housing can be rotated in 45° steps allowing for up to eight (8) positions of discharge in counter clockwise direction (CCW).

### Housing

The housings are constructed of gray fiberglass reinforced plastic (FRP). The construction allows the removal of the motor, impeller and the console without disconnecting the housing from the duct system.

### Impellers

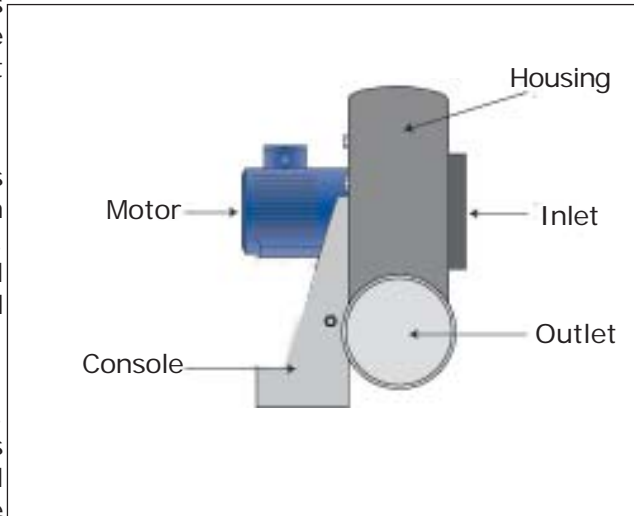
The combination of precision injection molding techniques with modern high strength polypropylene results in an impeller stronger than steel but less than half the weight. The impeller is high efficiency compound curve airfoil design. The impeller is non-overloading backward inclined which eliminates the risk of burned motors.

### Motors

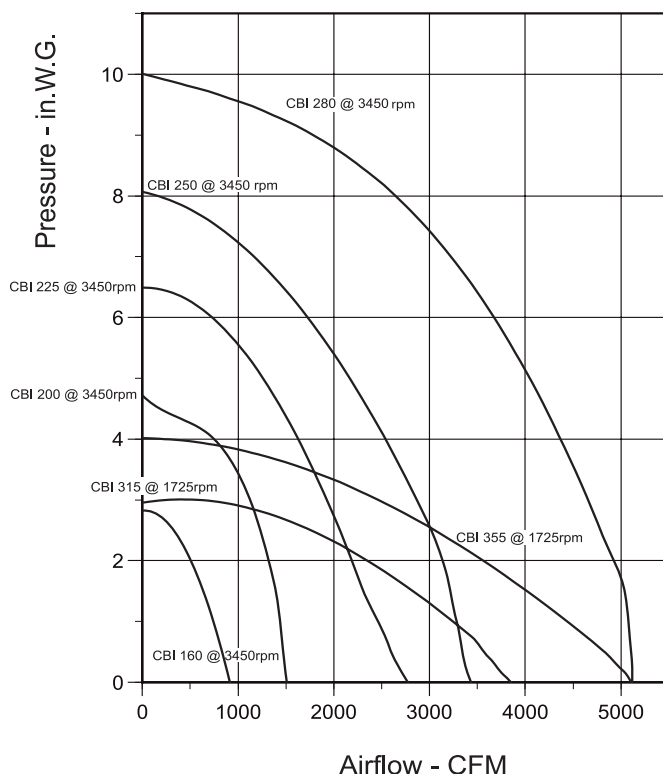
Single and three phase motors are used as specified. Single phase motors are dual voltage (115/230V) unless otherwise specified. Three phase motors are dual voltage (230/460V) unless otherwise specified. Single phase motors and three phase motors provided are totally enclosed fan cooled (TEFC). Explosion proof and inverter duty rated motors available upon request.

### Consoles

The consoles are coated to prevent corrosion. All motors are face mounted to the console using 304 stainless steel hardware.



### Performance



The CBI Series includes seven (7) different models performing a broad range of CFM at low static pressures. Ranging from 400 CFM at 0.08 in WG with steady increments to 2600 CFM at 4.0 in WG and over 5000 CFM at 1.20 in WG. The CBI Series will satisfy many corrosive air applications.

High efficiency is achieved through the Polypropylene Backward Curved Radial Impeller.

### Chemical Resistance

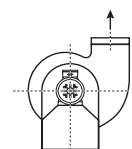
The chemical resistance depends on materials and sealing materials that are in contact with ventilated mediums.

Apart from the composition of the fan, the chemical resistance depends on concentration, temperature and duration of contact of the ventilated medium.

For detailed corrosion resistant information, please contact our factory.

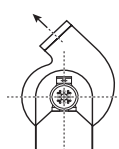
## Rotation and Discharge for Centrifugal Fans

### STANDARD

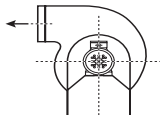


Up Blast  
CCW 360°

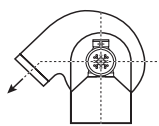
### OPTIONAL FIELD ADJUSTABLE POSITIONS



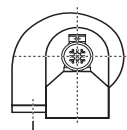
Top  
Angular  
UP Blast  
CCW 45°



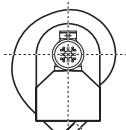
Top  
Horizontal  
CCW 90°



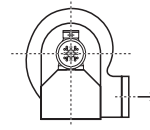
Top  
Angular  
Down  
Blast  
CCW 135°



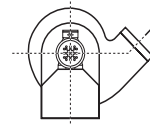
Down  
Blast  
CCW 180°



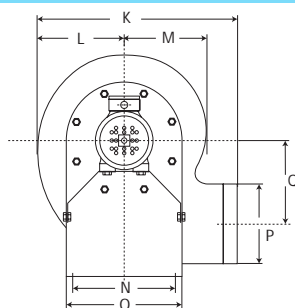
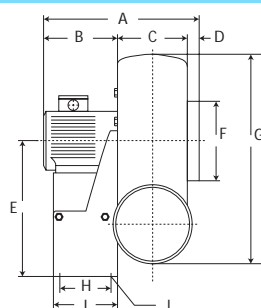
Bottom  
Angular  
Down Blast  
CCW 225°



Bottom  
Horizontal  
CCW 270°



Bottom Angular  
Up Blast  
CCW 315°



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
CBI160	16.06	8.66	5.63	1.77	9.875	6.30	15.75	3.94	5.51	0.375	14.45	7.09	5.35	8.94	9.19	6.30	5.51
CBI200	17.20	8.66	6.77	1.77	17.56	7.87	19.69	6.00	9.00	0.375	18.78	9.06	6.77	13.88	15.13	7.87	7.36
CBI225	19.06	10.04	7.24	1.77	17.56	8.86	22.05	6.00	9.00	0.375	20.31	9.96	7.40	13.88	15.13	8.86	8.27
CBI250	19.29	10.04	7.48	1.77	17.56	9.84	23.68	6.00	9.00	0.375	21.97	11.02	8.23	13.88	15.13	9.84	9.06
CBI280	20.08	10.04	8.27	1.77	17.56	11.02	27.56	6.00	9.00	0.375	23.62	12.20	8.86	13.88	15.13	11.02	10.63
CBI315	21.46	10.63	9.06	1.77	21.75	12.40	31.10	6.75	9.81	0.44	26.50	13.78	10.35	14.75	16.25	12.40	11.42
CBI355	24.21	12.48	9.96	1.77	21.75	13.98	34.25	6.75	9.81	0.44	28.54	15.35	10.24	14.75	16.25	13.98	13.27

**\*All Measurements in Inches**

### Accessories

Drain Plug  
 Disconnect Switch  
 Explosion Proof Disconnect Switch  
 Rain Cap  
 Weather Cover  
 Vibration Isolator  
 Clean Air Stack  
 Adjustable Damper  
 Back Draft Damper  
 Inlet Guard

Distributed By:

**2235 6TH STREET**  
**SARASOTA, FLORIDA 34237**

**TEL. (941) 955-9788**  
**FAX. (941) 955-9733**  
**TOLL FREE (800) 838-4074**  
**info@fanam.com**  
**www.fanam.com**