



# AC Centrifugal Blower

## CB 1040



### Specifications:

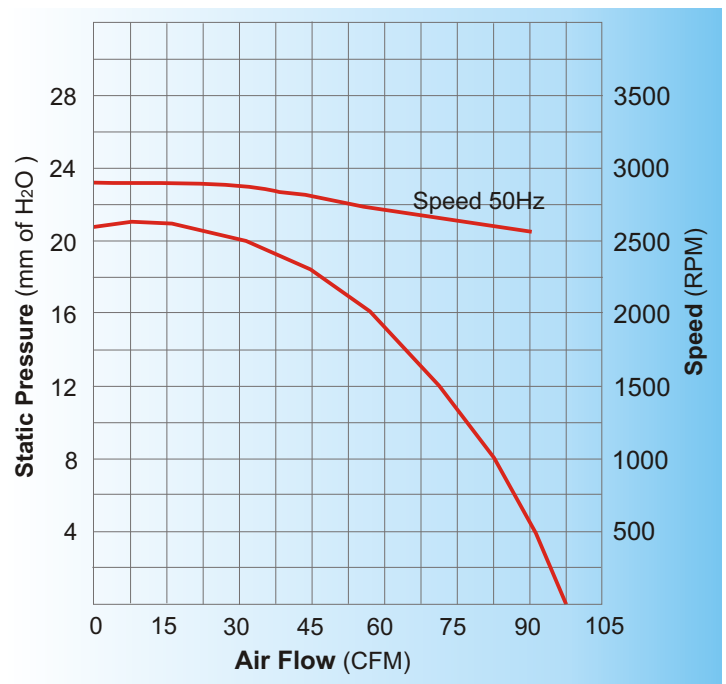
Rating : Continuous Rating  
 Impeller : Aluminium  $\Phi$  100 x 40 mm  
 Casing : Aluminium  
 Motor : Induction, Aluminium Body

Model	Voltage	Frequency	Current	Speed	Max. Air flow	Max. Static Pressure		Capacitor
	V	Hz	A	RPM	CFM	Pa	mm of H <sub>2</sub> O	$\mu$ F
<b>CB 1040 W</b>	Single Phase 110 V	60	0.4	2800	100	240	24	2.5
<b>CB 1040 X</b>	Single Phase 230 V	50	0.2	2400	100	200	20	1.0
<b>CB 1040 Y</b>	Three Phase 230 V	60	0.2	2800	100	240	24	
<b>CB 1040 Z</b>	Three Phase 415 V	50	0.1	2400	100	174	20	

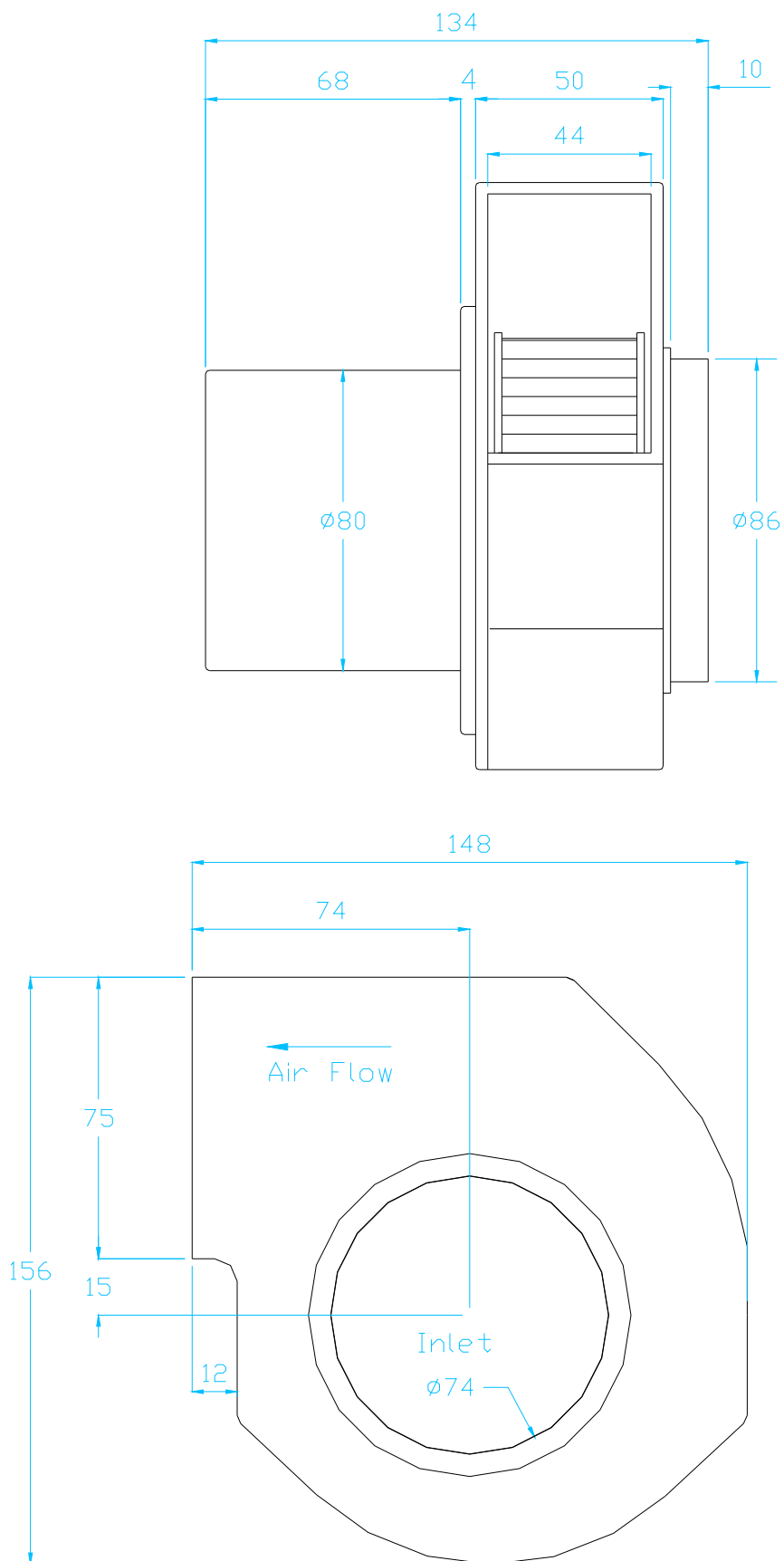
Centrifugal blowers move air by means of the centrifugal force generated by rotating a cylindrical impeller.

Used for applications where increased air pressure, increased static pressure, high airflow is required.

Centrifugal blowers have a small outlet, which concentrates air in a single direction, and are therefore suitable for local cooling.



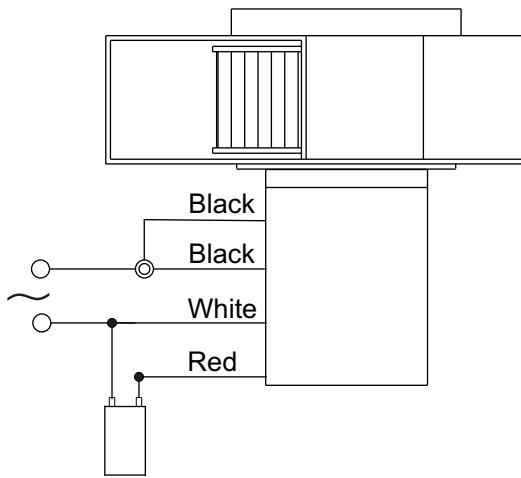
Dimensions:



Weight: 1.2 Kg.

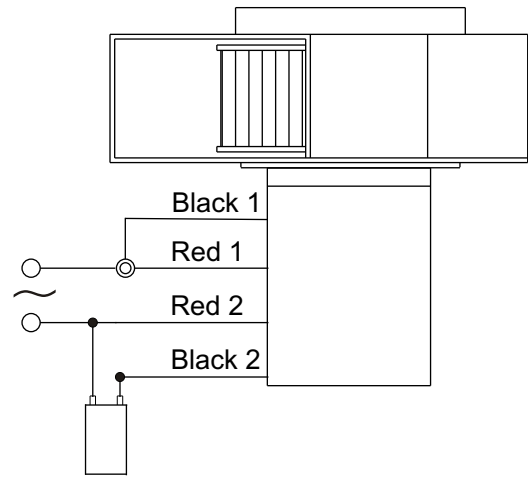
## Wiring Diagram for Single Phase Blower

Ensure that impeller is rotating in anti clockwise direction. Airflow is maximum.



Short Black wires and connect the capacitor as shown.

To change the direction, connect the supply wire from White to Red



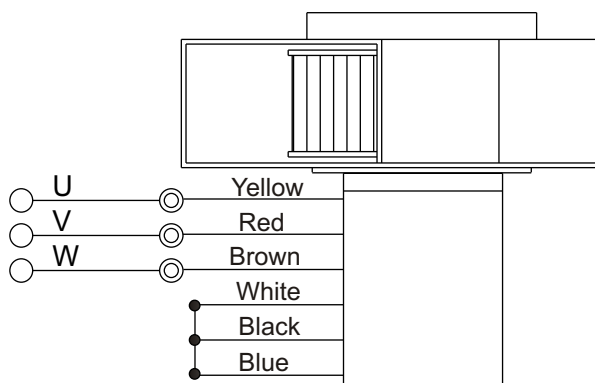
Red wires are for running winding & Black wires are for starting winding

To change the direction, interchange Black wires or Red wires

## Wiring Diagram for Three Phase Blower

Ensure that impeller is rotating in anti clockwise direction. Airflow is maximum.

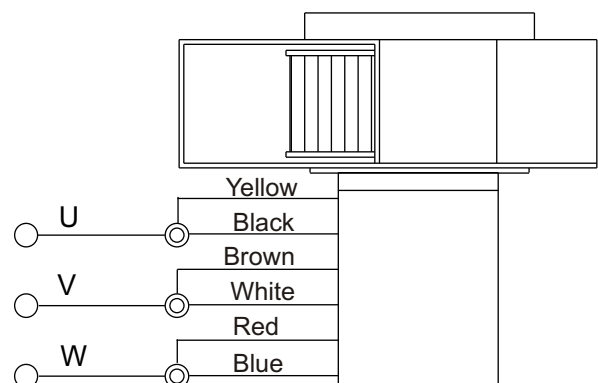
### Star Connection



To change the direction, interchange any two wires between U, V & W

For 415 Volt supply, wires are connected in Star Configuration. Short White, Black & Blue wire and then insulate properly.

### Delta Connection



To change the direction, interchange any two wires between U, V & W

For 230 Volt 3 Ph supply, wires are connected in Delta Configuration.