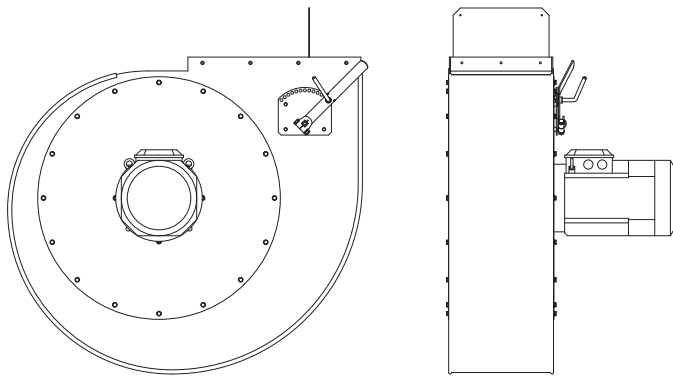
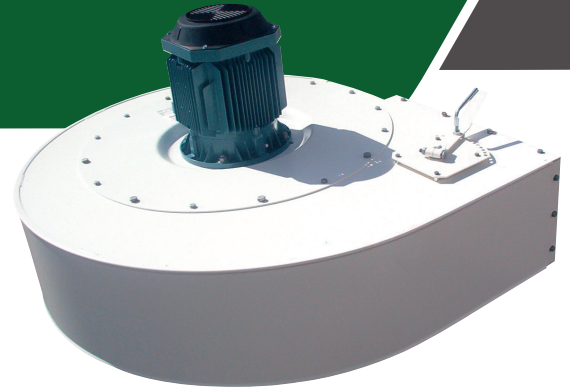




# CENTRIFUGAL FAN TYPE CM-84

## GENERAL

|             |  |
|-------------|--|
| Brand       | Cimbria  |
| Designation | Centrifugal fan  |
| Model       | CM-84  |
| Use         | Industry   |
| Application | Moving air within a duct in large-volume dust collection systems |

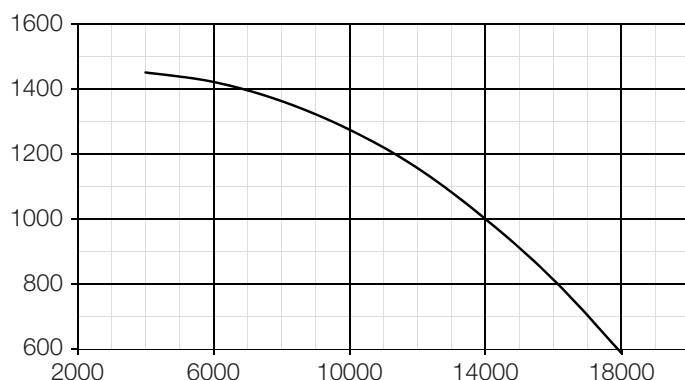


## FAN CATEGORY

|                             |  |
|-----------------------------|--|
| Installation type           | Ducted inlet and ducted outlet                   |
| Suitability for pressure    | Low pressure                                     |
| Casing construction         | Intermittently welded with bolted on side-plates |
| Impeller type               | Backward-inclined                                |
| Drive arrangement           | Direct drive                                     |
| Inlet and outlet conditions | Inlet and outlet openings directly by the casing |
| Method of fan control       | Damper control<br>Vane control (optional)        |
| Outlet position             | LG0-LG315; RD0-RD315                             |
| Motor position              | Direct-line                                      |

## FAN CATEGORY

X-axis: Volume flowrate in m<sup>3</sup>/h.  
Y-axis: Static pressure [PS] in Pa



## DIMENSIONS

|                   |          |
|-------------------|----------|
| Impeller diameter | 662 mm   |
| Overall length    | 1 229 mm |
| Overall height    | 1 097 mm |
| Overall width     | 796 mm   |

## WEIGHT

|        |        |
|--------|--------|
| Weight | 210 kg |
|--------|--------|

## OPERATING SPEED

|                   |           |
|-------------------|-----------|
| Impeller rotation | 1 500 rpm |
|-------------------|-----------|

## ELECTRICAL RATINGS

|                 |        |
|-----------------|--------|
| Motor output    | 7.5 kW |
| Motor voltage   | 400 V  |
| Motor frequency | 50 Hz  |

## NOISE

|                      |          |
|----------------------|----------|
| Sound pressure level | 93 dB(A) |
|----------------------|----------|

## COMPLIANCE

|                             |     |
|-----------------------------|-----|
| EU machinery legislation    | Yes |
| EU ATEX legislation         | No  |
| EU food contact legislation | No  |

## ENVIRONMENTAL CONDITIONS

|                   |                           |
|-------------------|---------------------------|
| Environment       | Indoors                   |
| Temperature       | From -20°C to +40°C       |
| Altitude          | Up to 1 000 m             |
| Relative humidity | Maximum 80%, no dew point |

## SURFACE PROTECTION

|        |   |
|--------|---|
| Casing | Paint (corrosivity category C2; low durability) |
|--------|---|

## LIFETIME

|                     |          |
|---------------------|----------|
| Intended life limit | 20 years |
|---------------------|----------|