



# CENTRIFUGAL FANS

## HIGH PRESSURE FANS

Backward bladed designs generally represent the most efficient and cost effective fans for both clean air and light dust loads. This is the work horse of industrial air movement & typical industries include :- Air Pollution Control, Dust Extraction (clean side of filter), Waste to Energy plants, Cement Industry, Offshore Industry, Petro-chemical & Steel Manufacturing.

Typical industries include :-

- Pharmaceutical,
- Petro-chemical &
- Fluidised bed applications.

### ARRANGEMENT

- Centrifugal fans are available in either Right Hand (RD) or Left Hand (LG) rotation. Discharge orientation can be any of the standard Eurovent & ISO angles, along with any angle in between as a special design.
- Multiple drive arrangements are available including :- v / belt drive, direct coupled (drive through coupling) & direct drive (fan impeller mounted directly on the motor shaft).
- Various bearing / impeller arrangements are available including :- Overhung impeller & impeller between bearings.
- Fan inlets can be open, ducted or fitted with an inlet box.

### ATEX

- ATEX (II 2/3/G/D T1-T6) specification fans available for hazardous areas.

### MOTOR

- In most instances foot mounted T.E.F.C Electric motors are fitted.
- The common voltages are 220, 220/380, 380, 240/415 and 460. Motors can be wound for any voltage / frequency and also for dual voltage. The use of standard foot mounted motors of this type guarantees interchangeability in most countries of the world with machines of similar speed/power.
- EExd, EExnA, single phase, 2/3 speed and company specification motors can always be obtained.

### FINISH

- Standard – Zinc Phosphate
- Optional – Epoxy Paint or Hot Dipped Galvanised or Stainless Steel

### EXTRA FEATURES

- Flexible Connections
- Inlet & Discharge Guards
- Anti-Vibration Mountings
- Insulated Casings
- Acoustic Enclosures
- Vibration & Condition Monitoring
- Attenuators
- I.V.C. / Dampers

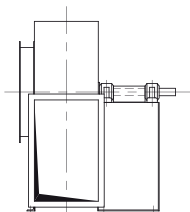


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## HIGH PRESSURE FANS

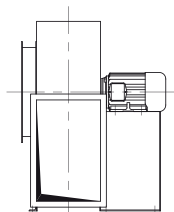
### Standard Fan Arrangement

Arrangement 1



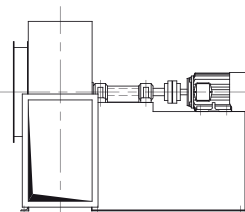
General overhung pulley drive with bearings mounted on full depth pedestal.

Arrangement 2



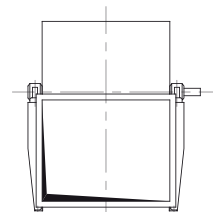
Impeller directly mounted on motor shaft and all mounted on full depth pedestal.

Arrangement 3



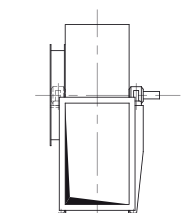
Impeller mounted on its own shaft and directly driven through exible shaft coupling on full depth pedestal.

Arrangement 4



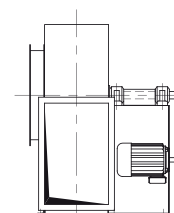
Double inlet, double width. Commonly known as D.I.D.W. with impeller mounted between bearings (both in airstream).

Arrangement 5



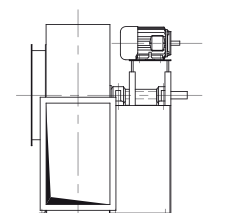
Single inlet, single width. Commonly known as S.I.S.W. with impeller mounted between bearings.

Arrangement 6



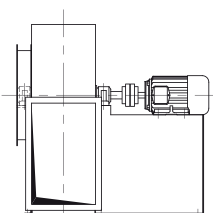
Compact belt drive unit widely used for space saving purposes on site.

Arrangement 6A



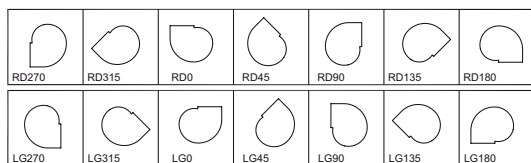
Compact belt drive unit used as an option to Arrangement 6.

Arrangement 7



Single inlet single width with impeller mounted between bearings and directly driven through exible coupling.

### Standard Handings



### Standard Motor Positions

