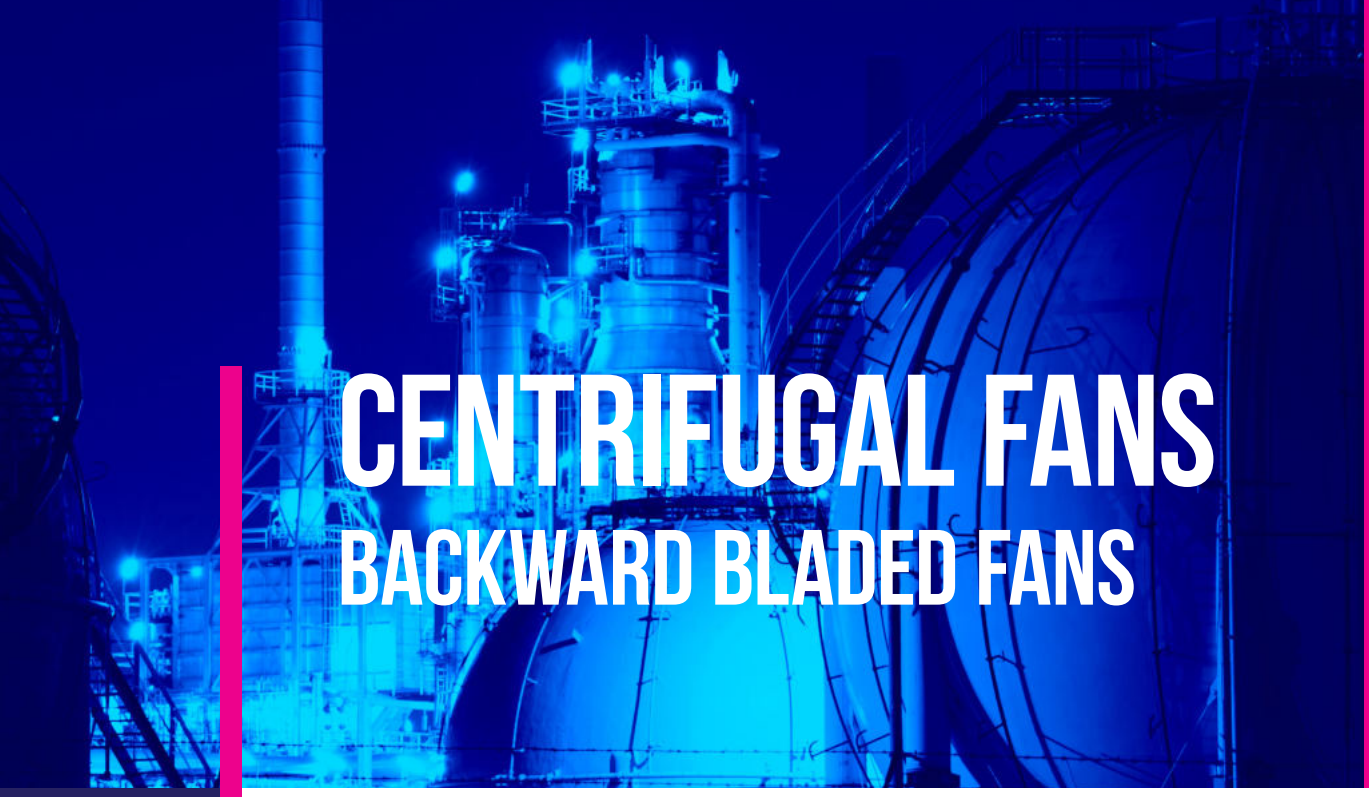

CENTRIFUGAL FANS
BACKWARD BLADED FANS

WOODCOCK & WILSON

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.

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.
- BFN,BLZ & BAW types are available in Single Inlet Single Width (SISW), Double Inlet Double Width (DIDW) & Plug Fan configurations.
- 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.

IMPELLER TYPES
- BFN - Flat Backward Inclined
- BLZ - Backward Curved
- BAW - Backward Curved Aerofoil
- BLX - Backward Curved
- BLV - Backward Curved
- BLT - Backward Curved

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 inter-changeability 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. / DampersPedestal C5M high build paint finished.
- In house performance tested to BS ISO 5801:2018, 848-1:2007 class B tolerance.
- Including site installation and commissioning.

Industrial Fan Specialists

For more information call **01484 462777** or visit **fanmanufacturers.com.**

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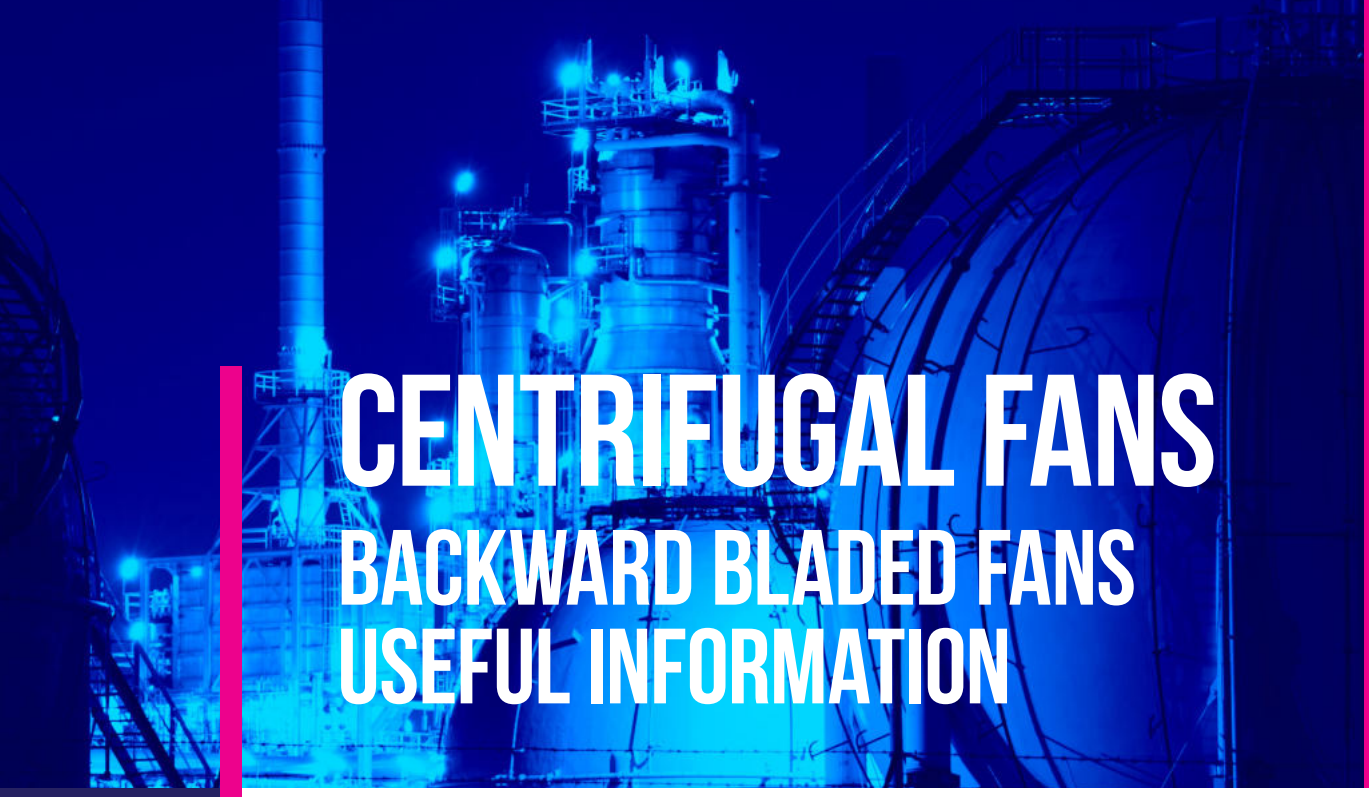


CENTRIFUGAL FANS

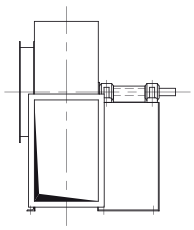
BACKWARD BLADED FANS USEFUL INFORMATION

WOODCOCK & WILSON

Industrial Fan Specialists

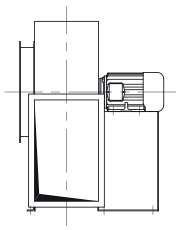
Standard Fan Arrangement

Arrangement 1



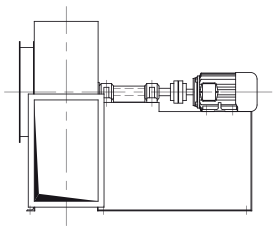
General overhung pulley drive with bearings mounted on full depth pedestal.

Arrangement 2



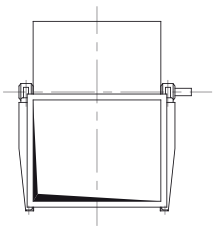
Impeller directly mounted on motor shaft and all mounted on full depth pedestal.

Arrangement 3



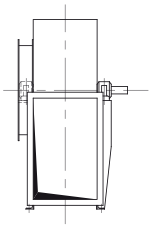
Impeller mounted on its own shaft and directly driven through exible shaft coupling on full depth pedestal.

Arrangement 4



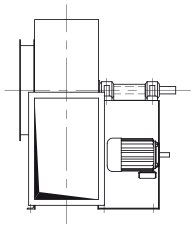
Double inlet, double width. Commonly known as D.I.D.W. with impeller mounted between bearings (both in airstream).

Arrangement 5



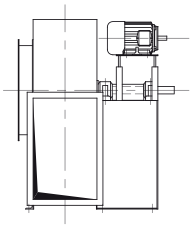
Single inlet, single width. Commonly known as S.I.S.W. with impeller mounted between bearings.

Arrangement 6



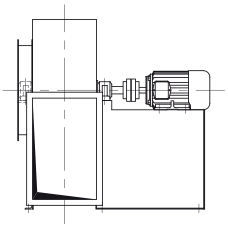
Compact belt drive unit widely used for space saving purposes on site.

Arrangement 6A



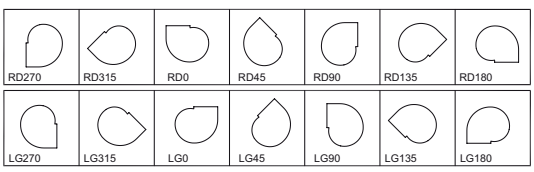
Compact belt drive unit used as an option to Arrangement 6.

Arrangement 7

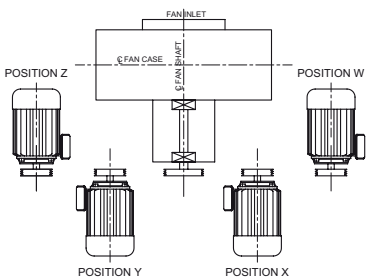


Single inlet single width with impeller mounted between bearings and directly driven through exible coupling.

Standard Handings



Standard Motor Positions



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