



# DIRECT DRIVEN AXIAL FAN DIMENSIONS

**Axial fans are suitable for large quantities of air at low pressures while producing very little noise. Compared with centrifugal types, axial fans have the following advantages:**

- Lower price
- The impeller has adjustable blades which make it possible to adapt the fan to the requirements of the plant
- Reduced space requirements
- Shorter ducts, thus lowering the cost of the system

## ARRANGEMENT

- Single or multi-stage.

## ATEX

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

## LONG CASED TYPE

- In this instance the casing covers the entire length of the motor and impeller and an inspection door is provided. Essentially for duct mounting where flanges are bolted back and front.

## SHORT CASED TYPE

- The casing covers the impeller track and a portion of the motor projects beyond the end of the flange. Best installed at the end of a duct or on air conditioning equipment.

## STAGING OF AXIAL FLOW FANS

- By running two long cased fans in series with contra-rotating impellers it is possible to achieve up to three times the pressure of a single stage fan of equal diameter and speed.

## MOTORS

- In most instances foot mounted T.E.F.C. electric motors are fitted. The motors are selected to cover the 'peak' power absorbed for fan blade pitch angle and speed.
- 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.

## IMPELLERS/315-2000MM DIAMETER

- Impellers have variable or fixed pitch GRP or Aluminium blades fitted into a die-cast Aluminium hub. Available in glass reinforced polypropylene (PPG), glass reinforced (PAG), anti static glass reinforced polyamide (PAGAS), vibration stabilised glass reinforced polyamide (PAGST) and aluminium (AL).
- A wide choice of blade angles are available and each blade is generally replaceable in the event of breakage. All sizes of impellers can be supplied with varying number of blades to suit the application.

## FINISH

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

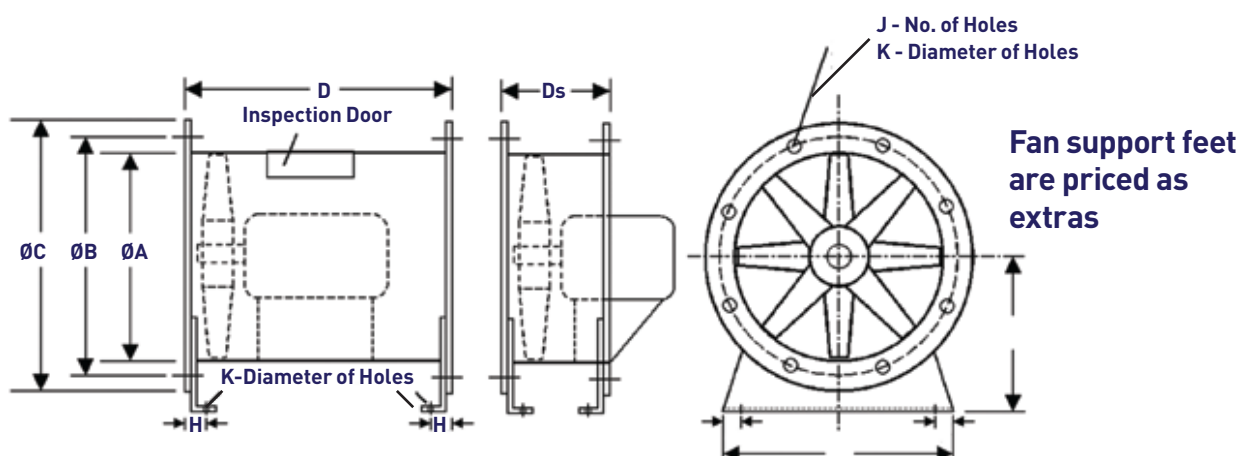


## EXTRA FEATURES

- Mounting Feet
- Flexible Connections
- Anti-Vibration Mountings
- Mating Flanges
- Inlet Bellmouths
- Guards
- Back-Draught Shutters
- Attenuators
- Special Paint Finishes
- External Terminal Box



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Size	ØA	ØB	ØC	D(Max)	Ds	E	F	G	H	J	K
315	315	355	395	375	225	200	315	40	40	8	10
400	400	450	480	375	225	250	400	50	45	8	12
450	450	500	530	520	250	280	450	50	45	8	12
500	500	560	594	520	250	315	500	50	45	12	12
560	560	620	654	520	250	355	560	50	45	12	12
630	630	690	724	780	350	400	630	50	45	12	12
710	710	770	804	780	350	450	710	50	45	16	12
800	800	860	894	780	350	510	800	50	45	16	12
900	900	970	1006	780	350	518	900	75	50	16	15
1000	1000	1070	1106	780	350	574	1000	75	50	16	15
1120	1120	1190	1258	980	400	710	1120	75	50	20	15
1250	1250	1320	1388	980	400	800	1250	75	50	20	15
1400	1400	1470	1538	980	400	900	1400	75	75	20	15
1600	1600	1680	1760	1120	400	1000	1600	75	75	24	20
1800	1800	1880	1960	1400	500	1100	1800	75	75	24	20
2000	2000	2080	2160	1400	500	1200	2000	100	100	24	20

due to continual product development, the company reserves the right to change design or specifications