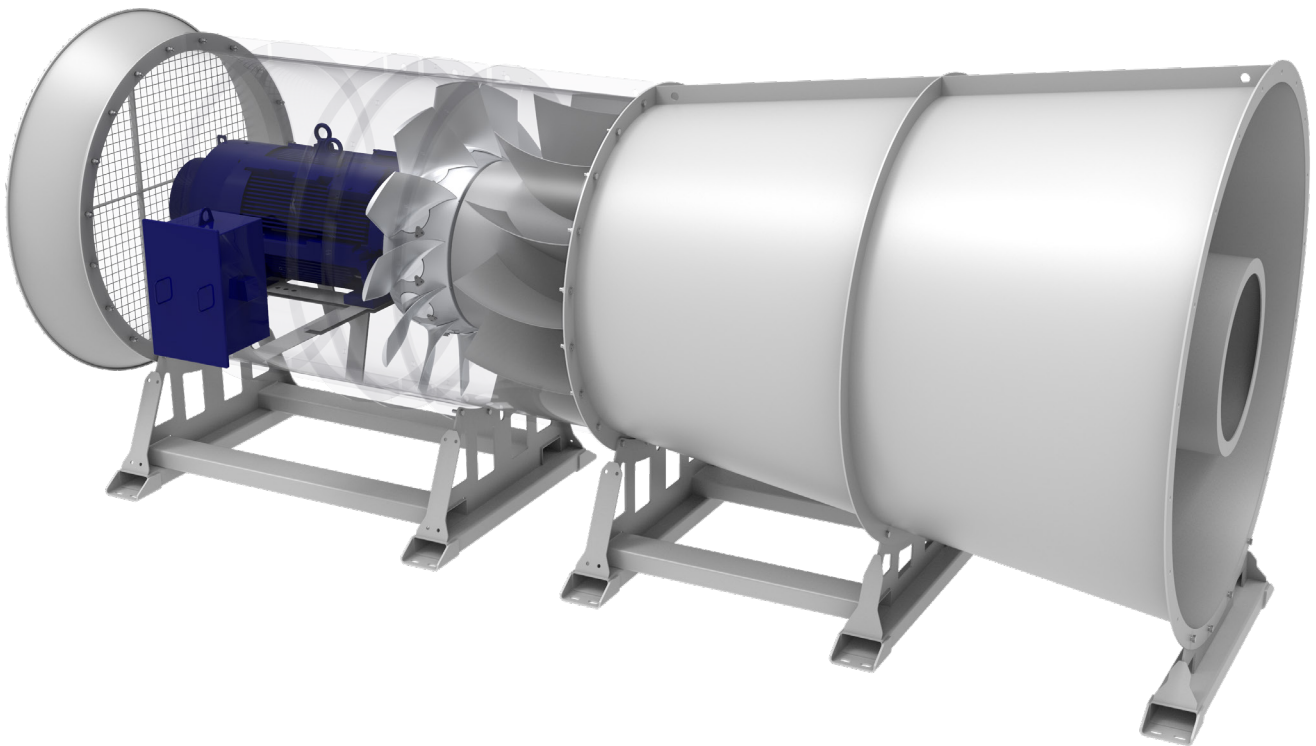


AXIAL VENTILATION FANS

CC1600

IN BRIEF

The newly designed CC1600 Axial Fans are designed specifically for ducted applications and booster applications. Available as single or twin stage configurations with flow rates up to 75m³/s and pressures up to 4kPa per stage. The CC1600 is a variable pitch design capable of a wide range of duties and applications.



KEY POINTS

- 1 Co-Rotating Design
- 2 Ducted and Booster Applications
- 3 Variable Pitch Blade Adjustment
- 4 Modular Single or Twin Stage Configurations
- 5 Flow Rates from 30m³/s to 75m³/s
- 6 Pressures from 400Pa to 4000Pa per Stage

SPECIFICATIONS

DESCRIPTION	FAN SPEED	STAGES	NO OF BLADES	BLADE ANGLES	MOTOR SIZE
CC1600Mk1 Axial Fan	1495RPM	1	12	42 - 57 Degrees	110kW to 220kW
	1495RPM	2	12	42 - 62 Degrees	2 x 110kW to 2 x 220kW
	1495RPM	1	6	62 - 72 Degrees	110kW to 220kW
	1495RPM	2	6	62 - 72 Degrees	2 x 110kW to 2 x 220kW

IMPELLER SPECIFICATIONS	DESCRIPTION
Blade Material	AC601 Aluminium Alloy or SG Iron
Hub Material	SG Iron Cast Hub
Design	High Efficiency Variable Pitch Castings
Casting Method	Sand and Gravity Feed Casting
Finish	Bare Metal, Epoxy Coatings on Request

FAN SPECIFICATIONS	DESCRIPTION
Fan Design	Co-Rotating
Fan Stages	Single or Twin Stage Configurations
Motor Power	110kW to 220kW
Internal Diameter	1600mm
Casing Thickness	8mm
Casing Finish	Galvanised
Flange OD	1776mm
Hole PCD	1700mm
Number of Holes	20
Hole Size	22mm
Hole Orientation	Offset from Top Dead Center
Lifting Mechanism	Full Length Lifting Bar with 40mm Holes
Serial Numbering	Laser Cut Stainless Steel Plates
Airflow And Rotor Direction	PolyCarbonate Arrows on Casings

MOTOR SPECIFICATIONS	DESCRIPTION
Windings	H Class Custom Specification
Insulation	Double H Class Insulation
Efficiency	>94%
Voltage	415V, 525V, 690V and 1000V
Frequency	50Hz / 60Hz (6P Operation Only @ 60Hz)
Poles	4P, 6P
Speed	990RPM / 1475RPM
Frame	D280 to D315
Mounting	Foot Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box