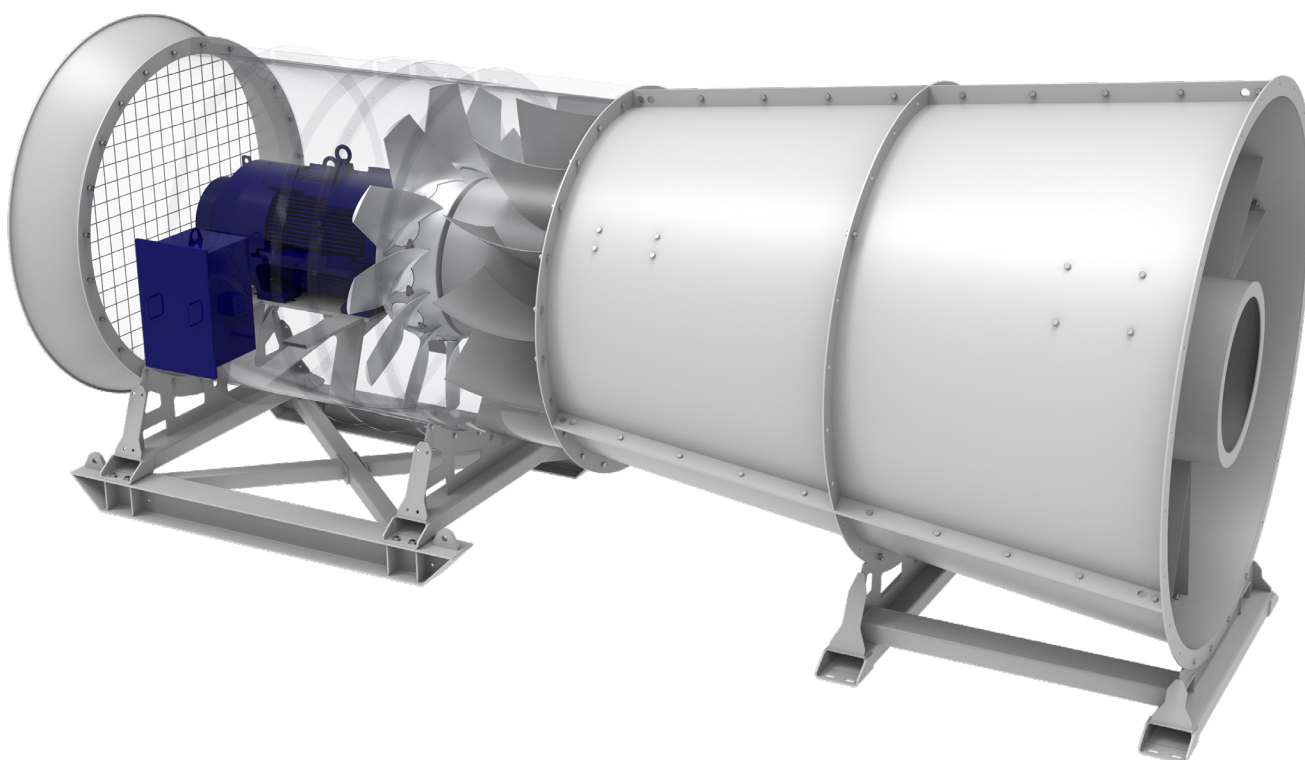


AXIAL VENTILATION FANS

CC1800

IN BRIEF

The newly designed CC1800 Axial Fans are designed specifically for booster applications. Available as single or twin stage configurations with flow rates up to 105m³/s and pressures up to 4kPa per stage. The CC1800 is a variable pitch design capable of a wide range of duties and applications.



KEY POINTS

- 1 Co-Rotating Design
- 2 Booster Fan Applications
- 3 Variable Pitch Blade Adjustment
- 4 Machined Impeller Track
- 5 Modular Single or Twin Stage Configurations
- 6 Flow Rates from 35m³/s to 105m³/s
- 7 Pressures from 500Pa to 4000Pa per Stage

SPECIFICATIONS

DESCRIPTION	FAN SPEED	NO OF BLADES	BLADE ANGLES	MOTOR SIZE
CC1800Mk1 Axial Booster Fan	1495RPM	12	42 - 57 Degrees	160kW to 400kW
	1495RPM	6	42 - 62 Degrees	110kW to 350kW
	990RPM	12	62 - 72 Degrees	150kW to 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 300kW
Internal Diameter	1800mm
Casing Thickness	8mm with 20mm Machined Impeller Track
Casing Finish	Painted Interzone 954 Paint Finish on Request
Flange OD	1986mm
Hole PCD	1900mm
Number of Holes	24
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 D350
Mounting	Foot Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box