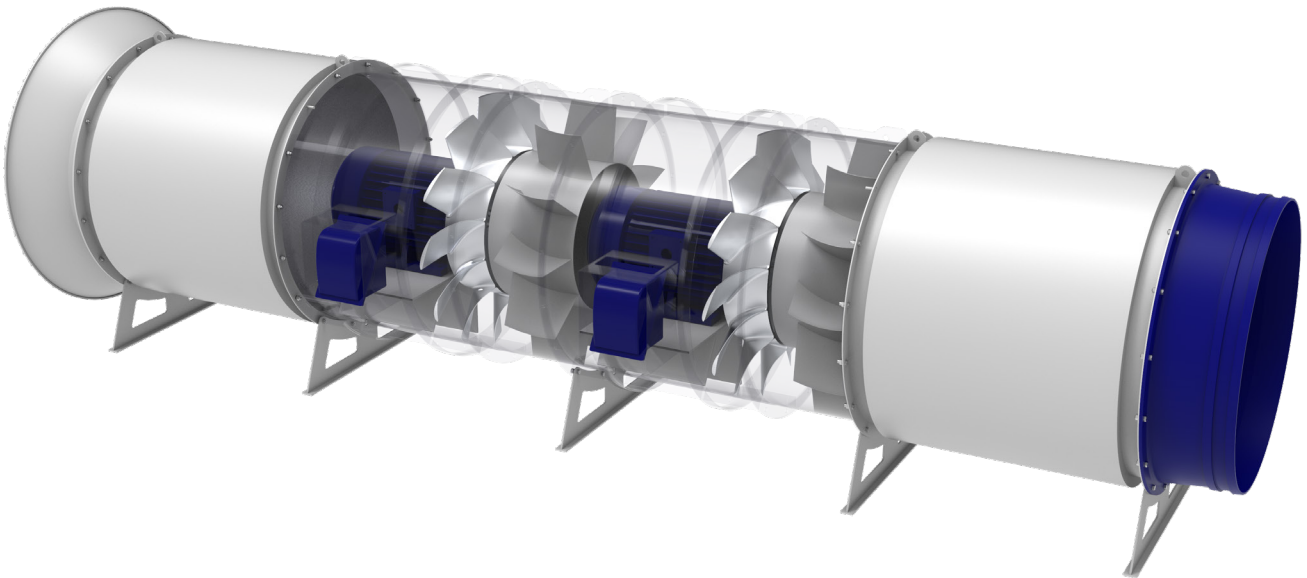


## AXIAL VENTILATION FANS

# CC1400

### IN BRIEF

The CC1400Mk4 Series of Axial Fans have been a staple of the mining industry for the past 20 years. Designed specifically for demanding underground conditions the CC1400Mk4 has been used in mechanised mines worldwide. Available as single, twin or triple stage configurations with flow rates up to 57m<sup>3</sup>/s and pressures up to 2.7kPa per stage. The CC1400Mk4 uses fixed pitch vacuum cast impellers for increased efficiency and longevity.



### KEY POINTS

- 1 Co-Rotating Design
- 2 Ducted and Booster Applications
- 3 Fixed Pitch One Piece Castings
- 4 Modular Single or Twin Stage Configurations
- 5 Flow Rates from 30m<sup>3</sup>/s to 57m<sup>3</sup>/s
- 6 Pressures from 250Pa to 2700Pa per Stage

### SPECIFICATIONS

DESCRIPTION	FAN SPEED	STAGES	NO OF BLADES	BLADE ANGLES	MOTOR SIZE
CC1400Mk4	1495RPM	1	12	Fixed Pitch	90kW-132kW
	1495RPM	2	12	Fixed Pitch	90kW-132kW
	1495RPM	3	12	Fixed Pitch	90kW-132kW

IMPELLER SPECIFICATIONS	DESCRIPTION
Impeller Material	AC601 Aluminium Alloy
Design	High Efficiency Fix Pitch One Piece Castings
Casting Method	Vacuum Casting
Finish	Bare Aluminum, Epoxy Coatings on Request

FAN SPECIFICATIONS	DESCRIPTION
Fan Design	Co-Rotating
Fan Stages	Single, Twin or Triple Stage Configurations
Motor Power	90kW, 110kW or 132kW Per Stage
Internal Diameter	1400mm
Casing Thickness	6mm
Casing Finish	HD Galvanising, Paint Finish on Request
Flange OD	1542mm
Hole PCD	1488mm
Number of Holes	16
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
Poles	4P
Speed	1485RPM
Frame	D280 / D315
Mounting	Foot Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box