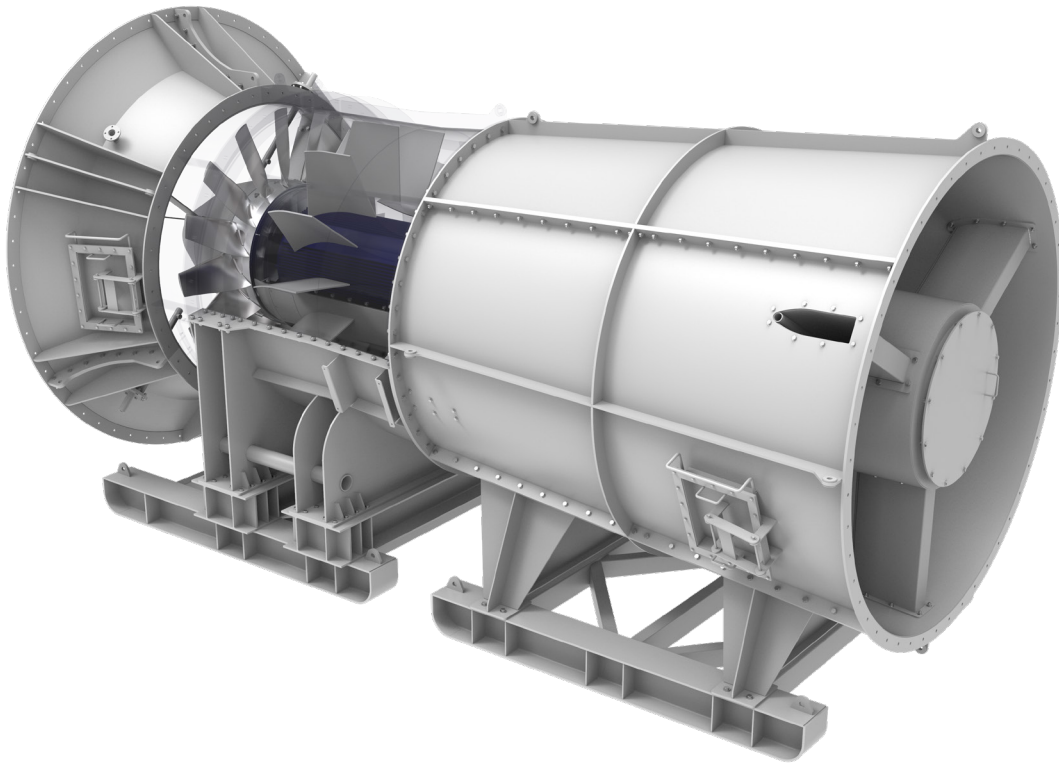


CC2400

IN BRIEF

The recently released CC2400 Axial Fan model is currently the largest diameter fan that Clemcorp manufacture and represents the pinnacle of our engineering achievements and aerodynamic designs. Designed specifically to suit the unique rigours of underground metalliferous mine ventilation, we have attained market leading fan efficiencies in the most robust fan structure available anywhere in the industry. No detail has been overlooked with this fan and every box possible has been ticked.



KEY POINTS

- 1 Suitable for Horizontal or Vertical Applications
- 2 Fully supported swing away inspection hatches, nose and diffuser fairings
- 3 Adjustable blade pitch and blade solidity to suit a wide range of duties
- 4 Fan Total Efficiency up to 88%
- 5 Flow rates from 100m³/s to 210m³/s
- 6 Pressures from 500Pa to 3400Pa

SPECIFICATIONS

DESCRIPTION	FAN SPEED	NO OF BLADES	BLADE ANGLES	MOTOR SIZE
CC2400Mk1 Primary Fan	990RPM	16	45-60 Degrees	250kW to 560kW
	990RPM	8	45-65 Degrees	160kW to 500kW

IMPELLER SPECIFICATIONS	DESCRIPTION
Blade Material	AC601 Aluminium Alloy, SG Iron or SAF2205 Duplex Stainless Steel
Hub Material	AS350 Fabricated Steel
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	Vane Axial
Fan Stages	Single or Twin Stage Configurations
Motor Power	160kW to 560kW
Internal Diameter	2400mm
Casing Thickness	8mm with 25mm Machined Impeller Track
Casing Finish	Painted Interzone 954 Paint Finish on Request
Hole Orientation	Offset from Top Dead Center
Lifting Mechanism	Full Length Lifting Bar with 34mm 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 or 60Hz
Poles	6P
Speed	990RPM
Frame	Up to D400 Frame
Mounting	Foot Mounting
Leads	Varies
Terminal Box	External on Fan Casing