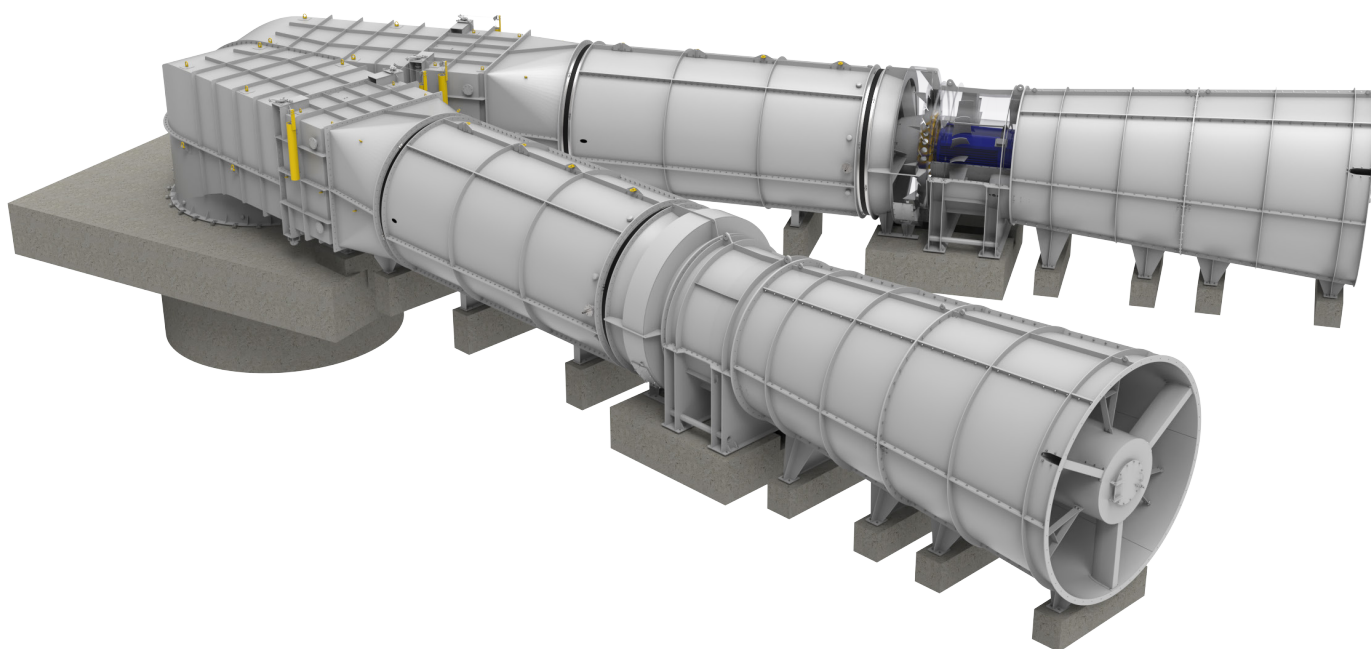


AXIAL VENTILATION FANS

CC3080

IN BRIEF

The CC3080 Axial Fan model is currently the largest diameter axial fan manufactured by Clemcorp. 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. The CC3080 can safely operate at up to 745RPM operating speed, allowing the fan to generate high pressures and volumes with a variety of hub sizes.



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 200m³/s to 400m³/s
- 6 Single stage pressures up to 4kPa

SPECIFICATIONS

DESCRIPTION	FAN SPEED	NO OF BLADES	BLADE ANGLES	MOTOR SIZE
CC3080Mk1 Primary Fan	745RPM (Max)	24	45-65 Degrees	450kW to 1300kW
	745RPM (Max)	12	45-65 Degrees	450kW to 950kW

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	450kW to 1300kW
Internal Diameter	3080mm
Casing Thickness	12mm with 25mm Machined Impeller Track
Casing Finish	Painted Interzone 954 Paint Finish on Request
Hole Orientation	Offset from Top Dead Center
Lifting Mechanism	Rated Lifting Points
Serial Numbering	Laser Cut Stainless Steel Plates
Airflow And Rotor Direction	PolyCarbonate Arrows on Casings

MOTOR SPECIFICATIONS	DESCRIPTION
Windings	F Class or H Class Custom Specification
Insulation	Customer Specification
Efficiency	>94%
Voltage	415v, 525v, 690v, 1000v and 3300v
Frequency	50hz or 60hz
Poles	8P, 10P
Speed	745RPM (MAX)
Frame	Up to D630 Frame
Mounting	Foot Mounting
Leads	Varies
Terminal Box	External on Fan Casing