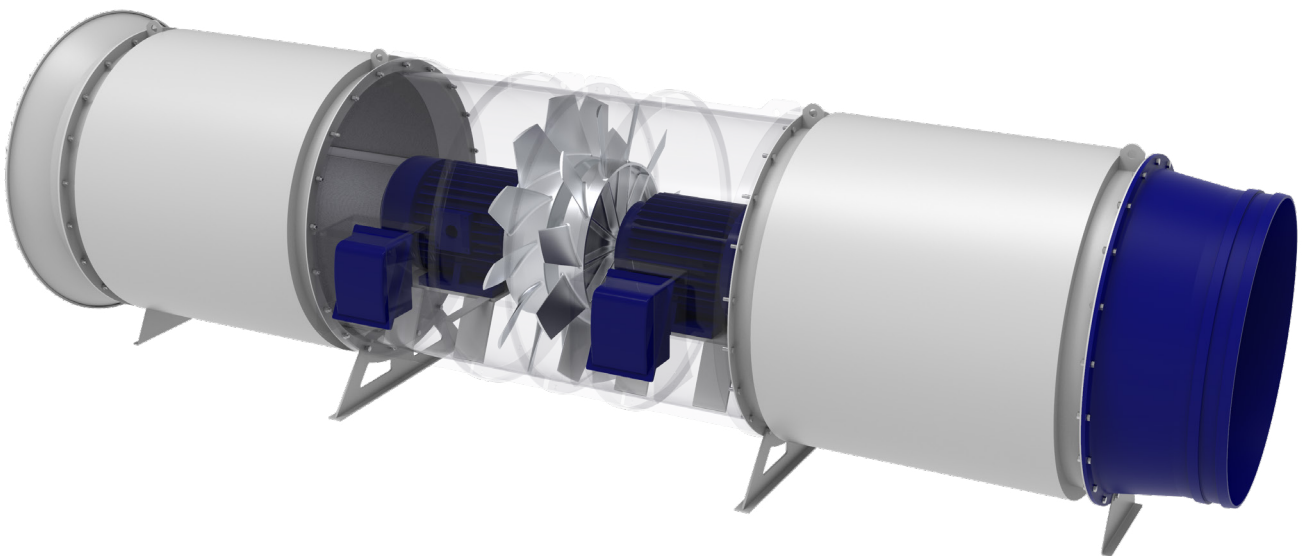


CC1254

IN BRIEF

The CC1254Mk3 Series of Axial Fans have been used in the mining industry for the past 25 years. Designed specifically for demanding underground conditions the CC1254Mk3 has been used in mechanised mines worldwide. Available as single or twin stage with flow rates up to 35m³/s and pressures up to 1.6kPa per stage. The CC1254Mk3 uses fixed pitch vacuum cast impellers for increased efficiency and longevity.



KEY POINTS

- 1 Contra Rotating Design
- 2 Ducted Applications
- 3 Fixed Pitch One Piece Castings
- 4 Single or Twin Stage Configurations
- 5 Flow Rates from 22m³/s to 42m³/s
- 6 Pressures from 150Pa to 1600Pa per Stage

SPECIFICATIONS

DESCRIPTION	FAN SPEED	STAGES	PEAK PRESSURE	MAX VOLUME	BLADE ANGLES	MOTOR SIZE
CC1254Mk3 Axial Fan Twin Stage	1495RPM	2	4.5kPa	42m ³ /s	Fixed Pitch	2 x 75kW
CC1254Mk3 Axial Fan Twin Stage	1495RPM	2	4.0kPa	34m ³ /s	Fixed Pitch	2 x 55kW
CC1254Mk3 Axial Fan Single Stage	1495RPM	1	1.8kPa	40m ³ /s	Fixed Pitch	1 x 75kW
CC1254Mk3 Axial Fan Single Stage	1495RPM	1	1.8kPa	33m ³ /s	Fixed Pitch	1 x 55kW

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

FAN SPECIFICATIONS	DESCRIPTION
Fan Design	Contra-Rotating
Fan Stages	Single or Twin Stage Configurations
Motor Power	55kW or 75kW Per Stage
Internal Diameter	1260mm
Casing Thickness	6mm
Casing Finish	HD Galvanising, Paint Finish on Request
Flange OD	1380mm
Hole PCD	1320mm
Number of Holes	20
Hole Size	18mm
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 / 1785RPM
Frame	D250 / D280
Mounting	Foot Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box