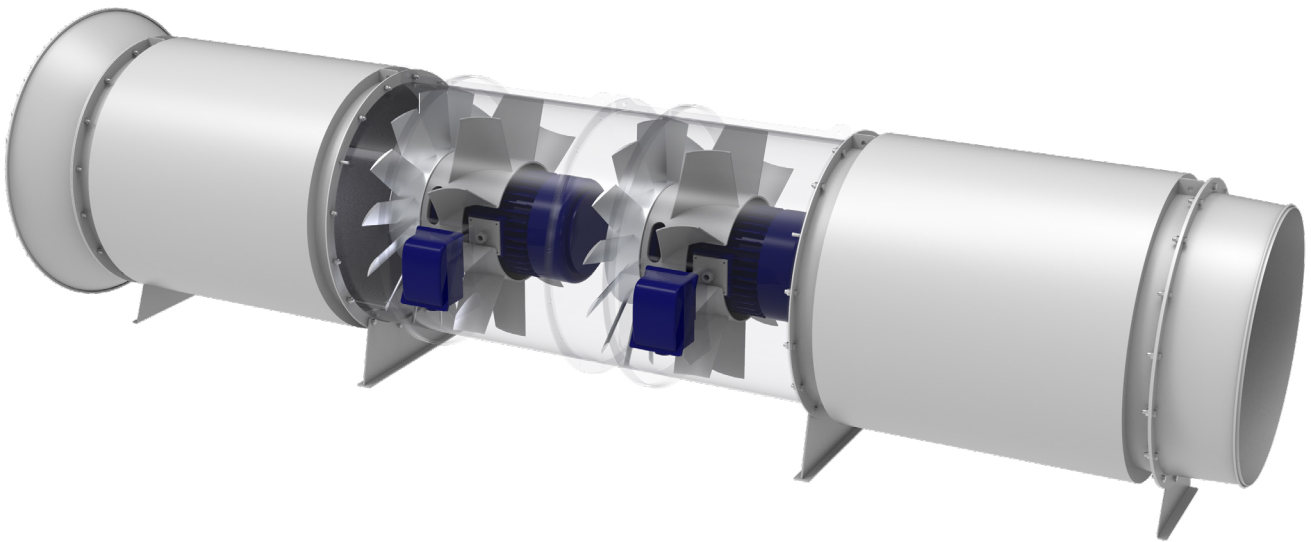


## AXIAL VENTILATION FANS

# CC1070

### IN BRIEF

The CC1070 Series of Axial Fans have been used in the mining industry for the past 20 years. Designed specifically for demanding underground conditions the CC1070 has been used in mechanised mines worldwide. Available as single or twin stage with flow rates up to 29m<sup>3</sup>/s and pressures up to 1.2kPa per stage. The CC1070 uses fixed pitch cast impellers for increased efficiency and longevity.



### KEY POINTS

- 1 Co-Rotating Design
- 2 Short Run Ducted Applications
- 3 Fixed Pitch One Piece Castings
- 4 Single or Twin Stage Configurations
- 5 Flow Rates from 22m<sup>3</sup>/s to 29m<sup>3</sup>/s
- 6 Pressures from 100Pa to 1200Pa per Stage

### SPECIFICATIONS

DESCRIPTION	FAN SPEED	STAGES	PEAK PRESSURE	MAX VOLUME	BLADE ANGLES	MOTOR SIZE
CC1070 Axial Fan Twin Stage	1495RPM	2	2.4kPa	29m <sup>3</sup> /s	Fixed Pitch	2 x 37kW
CC1070 Axial Fan Twin Stage	1495RPM	2	2.4kPa	23m <sup>3</sup> /s	Fixed Pitch	2 x 30kW
CC1070 Axial Fan Single Stage	1495RPM	1	1.2kPa	29m <sup>3</sup> /s	Fixed Pitch	1 x 37kW
CC1070 Axial Fan Single Stage	1495RPM	1	1.2kPa	23m <sup>3</sup> /s	Fixed Pitch	1 x 30kW

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

<b>FAN SPECIFICATIONS</b>	<b>DESCRIPTION</b>
Fan Design	Co-Rotating
Fan Stages	Single or Twin Stage Configurations
Motor Power	30kW or 37kW Per Stage
Internal Diameter	1070mm
Casing Thickness	6mm
Casing Finish	HD Galvanising, Paint Finish on Request
Flange OD	1185mm
Hole PCD	1125mm
Number of Holes	16
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

<b>MOTOR SPECIFICATIONS</b>	<b>DESCRIPTION</b>
Windings	H Class Custom Specification
Insulation	Double H Class Insulation
Efficiency	>94%
Voltage	415V, 525V, 690V and 1000V
Frequency	50Hz
Poles	4P
Speed	1485RPM
Frame	D200 / D225
Mounting	Flange Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box