# AXIAL VENTILATION FANS
CC925

IN BRIEF

The CC925 Series of High Pressure Axial Fans have been a used in the mining industry for the past 15 years. Designed specifically for high pressure applications the CC925 is tailored towards areas with low clearances and small duct diameter. Available as single, twin or Triple stage with flow rates up to 18m3/s and pressures up to 3.6kPa per stage. The CC925 uses fixed pitch sand cast one piece impellers for increased efficiency and longevity.
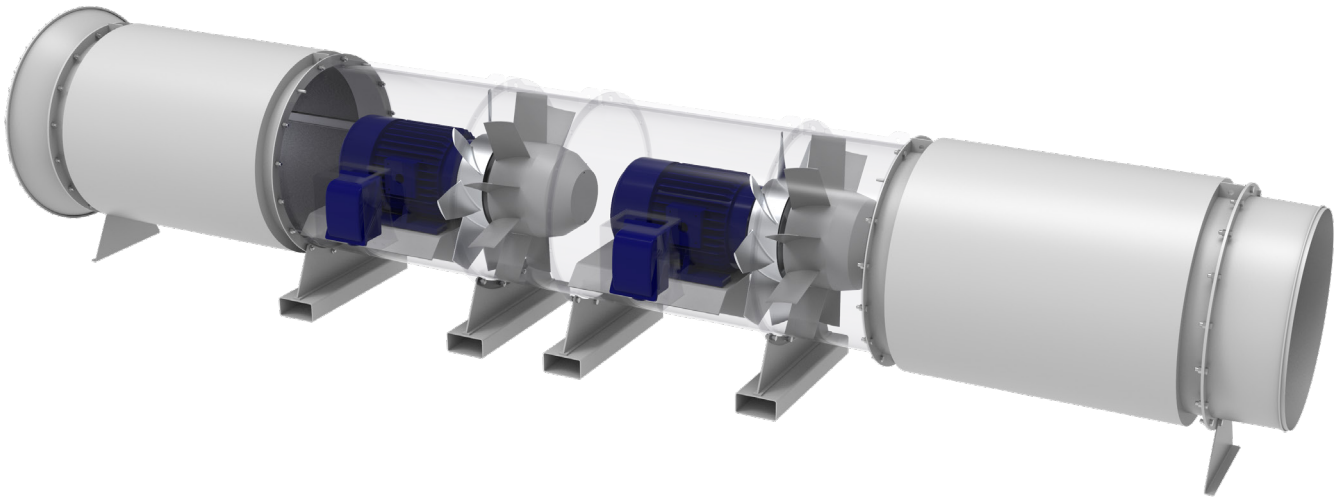
KEY POINTS

1 Co-Rotating Design

2 Ducted Applications

3 Fixed Pitch One Piece Castings

4 Single or Twin Stage Operation

5 Flow Rates from 17m3/s to 4m3/s

6 Pressures from 1000Pa to 3600Pa per Stage

SPECIFICATIONS

DESCRIPTION	FAN SPEED	STAGES	PEAK PRESSURE	MAX VOLUME	BLADE ANGLES	MOTOR SIZE
CC925 Axial Fan Twin Stage	2995RPM	2	6.4kPa	17m3/s	Fixed Pitch	2 x 45kW
CC925 Axial Fan Single Stage	2995RPM	1	3.7kPa	17m3/s	Fixed Pitch	1 x 45kW

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

FAN SPECIFICATIONS	DESCRIPTION
Fan Design	Co-Rotating
Fan Stages	Single or Twin Stage Configurations
Motor Power	45kW Per Stage
Internal Diameter	900
Casing Thickness	8mm
Casing Finish	HD Galvanising, Paint Finish on Request
Flange OD	1006mm
Hole PCD	960mm
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

MOTOR SPECIFICATIONS	DESCRIPTION
Windings	H Class Custom Specification
Insulation	Double H Class Insulation
Efficiency	>94%
Voltage	415V, 525V, 690V and 1000V
Frequency	50Hz
Poles	2P
Speed	2995RPM
Frame	D225
Mounting	Foot Mounting
Leads	1m Extended From Casing
Terminal Box	External on Fan Casing
Terminal Box Protection	Steel Guard around Box