



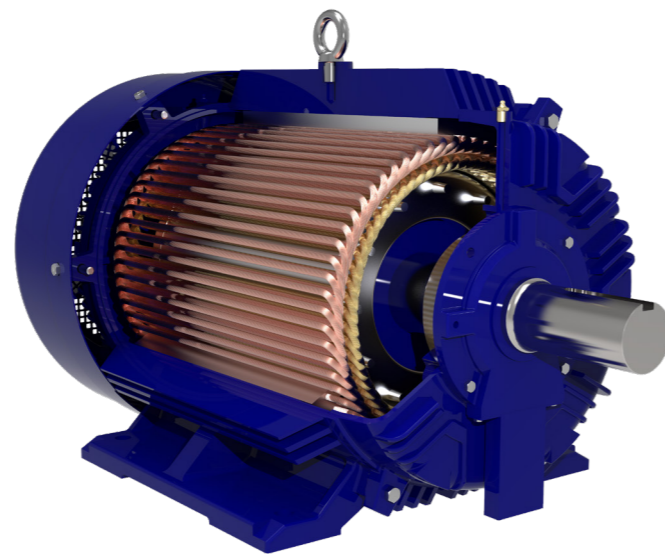
Dual Speed Axial Fans

Imagine the flexibility of being able to run a fan at lower speeds to reduce power consumption when airflow requirements are lower, yet still maintaining the option to run at full speed for maximum performance – all without requiring the capital and operating expense associated with a typical variable speed drive.

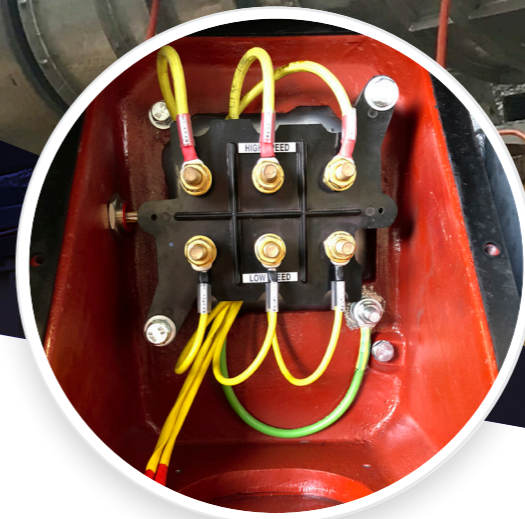
Clemcorp have developed a 'two motors in one' solution with a range of dual speed axial fans designed to run at either asynchronous 4-pole 1485RPM or 6-Pole 985 RPM speeds. **Simple, Rugged and Built for Mining** dual speed fans have the potential to deliver massive power savings for your operation.

KEY POINTS

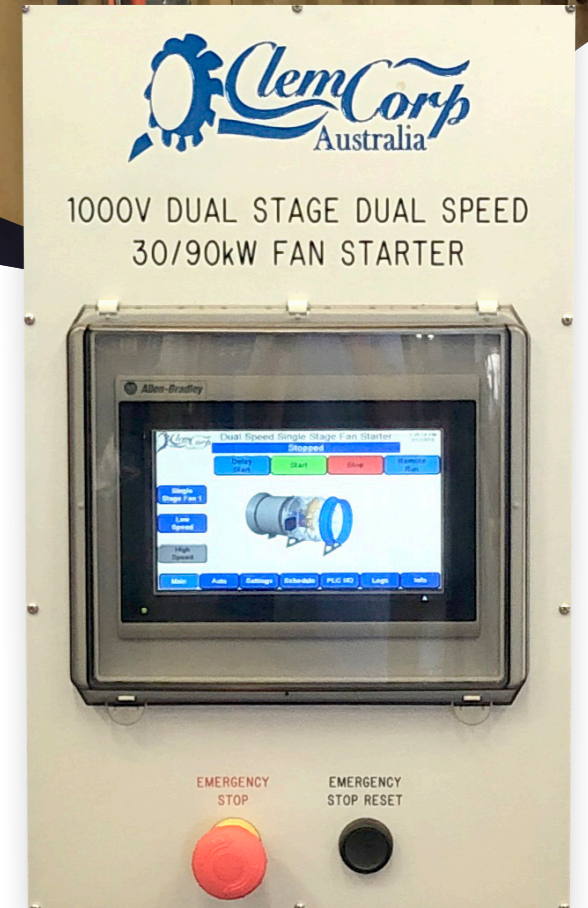
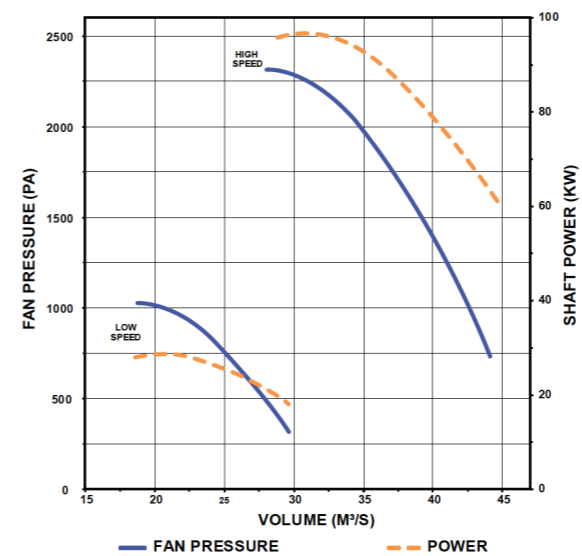
- 1 Single or Multiple Stage Configuration
- 2 Two Individual Motor Windings 4-Pole 1485RPM and 6-Pole 985RPM
- 3 Exclusive Custom Wound Clemcorp/Teco Motor Specification
- 4 Based on standard components with retrofit options for most existing fan units
- 5 33% reduction in speed results in a 70% reduction in power consumption



Custom Dual Wound Extreme Duty Motor



Discrete Dual Winding System



Custom PLC/HMI Fan Starter

Integrated scheduling tool.
Fully remote or local operation.
Plug-and-play for ventilation on demand applications.

DUAL SPEED FAN RUNNING COSTS & SAVINGS

DESCRIPTION	RATIO RUNNING SPEED	ANNUAL RUNNING COSTS @ 0.35C / KWH	SAVINGS PER ANNUM
CC1400MK4 (90kW / 30kW)	100% High	\$275,940*	N/A
	50% High / 50% Low	\$183,960*	\$91,980†
	30% High / 70% Low	\$147,168*	\$128,722†

* Based on 24/7 Operation 365 Days Per Year.
† Saving P/A based on comparison of running speed at 100% High.

SPECIFICATIONS

DESCRIPTION	NO OF STAGES	FAN SPEED	KW RATING	MAX FLOW RATE	MAX PRESSURE
CC1400Mk4 Axial Fan	1	1485RPM / 985RPM	90kW / 30kW	45m³/s / 30m³/s	2500Pa / 1000Pa
CC1400Mk4 Axial Fan	2	1485RPM / 985RPM	2 x 90kW / 2 x 30kW	45m³/s / 30m³/s	4900Pa / 2150Pa
CC1254Mk3 Axial Fan	1	1485RPM / 985RPM	55kW / 18kW	32m³/s / 22m³/s	1700Pa / 750Pa
CC1254Mk3 Axial Fan	2	1485RPM / 985RPM	2 x 55kW / 2 x 18kW	34m³/s / 23m³/s	4500Pa / 2000Pa