

# CSF SERIES ES-8 SERIES

Superior performance  
for Shovel and Draglines



# OUR POINT OF DIFFERENCE

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## Customer support

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### **FULL SUPPORT, NO WORRIES**

When you buy from Sullair, you're getting so much more than just a compressor.

Enjoy the peace of mind that comes with a national support team, including seven offices around the country, GPS-tracked mobile service vans, and instructor-led and online training. Your choice secures the expertise of our technicians, who are factory trained using the latest tools and diagnostic techniques to ensure the optimum service of your compressor. If anything ever goes wrong, or if you simply want to make sure that you're getting the most out of your compressor, just call **1300 266 773**. We've got you covered.



## Reduced life cycle costs

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### **DRIVING PRODUCTIVITY UP, AND ENERGY COSTS DOWN**

We know energy efficiency is important to you; it's important to us, too.

Compressed air systems now make up 10 per cent of total industrial electricity use in Australia, and the cost of electricity continues to rise. And that's not all: nearly 75 per cent of the life-cycle cost of an air compressor is energy. This is why we've designed our Sullair compressors and air-ends to deliver optimum efficiency over their life cycle.



## Lowest lifetime cost

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### **RELAX, WE'VE GOT IT COVERED FOR A DECADE**

Sullair compressors help significantly reduce operating and energy costs over the entire compressor life cycle.

- Legendary Sullair air-end with a low restriction inlet valve
- High-efficiency fan
- Low pressure drop air-fluid separation system to prevent energy loss
- Extend component life with improved air filtration
- Extended separator life
- Improved fluid filter life
- Less lubricant contamination



## Powerful air

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### **AIR POWER TO MATCH EVERY TASK, EVERY TIME**

You can be rest assured that our tools are always up to the task.

Sullair TS series compressors are built to be relentless performers from 75 to 450kW. With an impressive free-air delivery range - 200 l/s (424 cfm) up to 1466 l/s (3108 cfm) pressure variants from 5.5 bar to 13 bar - and the renowned Sullair Air-End reliability, you've got a powerful partner in any task for years to come.



## Maximum efficiency

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### **MAXIMUM AIR, MINIMUM ENERGY**

Sometimes the design features that leave the greatest impacts are the things we don't see.

By putting energy efficiency at the forefront of every engineering decision we make, we ensure all Sullair products minimise power consumption. The TS Series two stage compression process is tried and proven to minimise power consumption and deliver long operational life. And by helping keep energy bills down, we know our smarter technologies give businesses a competitive edge.



# THE CSF SERIES



## CLEVER COMPONENT PROTECTION

The harsh environment design removes the risk of component damage with an IP55 TEFC MEPS2 motor with Class F insulation. A IP65 electrical enclosure allows the compressor to perform in wet and dusty environments when fitted with outdoor environment pack.



## EFFICIENT, RELIABLE AIR FILTRATION

A two-stage intake filter with cyclonic pre-cleaner, prolongs the life of the air end, air-oil separator element and oil filter. The large size reduces pressure drop and extends element life.



## ELECTRONIC CONTROLLER FOR FLEXIBLE CONTROL

Provides advanced protection. Simple or sophisticated remote monitoring and control. Energy saving sequencing for up to eight compressors.



## MADE TO LAST THE DISTANCE WITH SULLAIR

**CHAMPION** compressors go beyond Australian industry standards. Engineered for 100% duty, 24/7, without risk of damage. The energy efficient Sullair air end has a heavy duty advanced profile that delivers more air for less power.



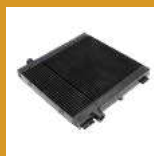
## SPACE SAVING

Unique space saving design tailored to suit minimal spaces, and ideal solution for Draglines and Rope Shovel installations where installation space is a premium



## ENHANCED SAFETY

Internal guarding of moving parts and electrical components that go beyond Australian safety standards. A thoughtful acoustic enclosure makes for an ultra quiet package that can be used in normal workshop environments to save space. EH&S initiatives ensure that **CHAMPION** thinks 'safety first'.



## TOUGH AUSTRALIAN CONDITIONS COOLING SYSTEM

Highly efficient aluminium block oil cooler and aftercooler matched with a generous sized fan. Excellent temperature management prevents oil oxidation and reduces 'vapour' oil carry-over. Designed to continuously operate in hot, dusty conditions of 50°C ambient.



## THOUGHTFUL SERVICE ACCESS

Smart, 'lift off' cabinet system delivers lower maintenance costs for the machine and savings for you. Plus your CSF can be placed against a wall for greater space savings.

# THE ES-8 SERIES



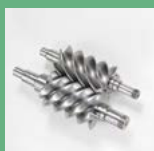
## SIMPLE BY DESIGN

The ES-8 has a superior package design with nearly 40% fewer parts than conventional designs to improve reliability. The encapsulated design of the ES-8 allows easy access to all maintenance parts and long life and efficiency are guaranteed with Sullair's renowned airend.



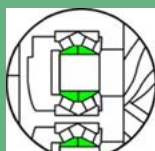
## SIMPLE, COMPACT DESIGN

Sullair encapsulated compressors utilise design simplicity to provide exceptional reliability and extremely low maintenance. Designed with a smaller footprint and fewer parts than conventional models, these compact machines redefine industry standards for continuous duty compressors.



## ROTARY SCREW RELIABILITY

The ES model using a single-stage rotary screw air end, featuring Sullair patented E-Profile rotors (and rugged bearing design).



## LONGER AIREND LIFE

Bearing fluid reservoirs ensure that an ample supply of lubricating fluid is available to the bearings at compressor startup. This assures a reliable supply of fluid to all rotating elements and assures long life of the compressor air end.



## LOWER MAINTENANCE COST

Thanks to a simplified design that uses fewer parts and connections, the ES requires only minimum maintenance for optimum performance. There are no troublesome belts to wear out or replace. Routine maintenance is further reduced with such items as spin-on air /fluid separators.



## SULLAIR DELUXE ELECTRONIC CONTROLLER

State of the art technology. Accurately monitors and controls the compressor. Computer-based controller allows sequencing of multiple compressors. 24VDC Control system - Provides advanced protection. Simple or sophisticated remote monitoring and control, Energy saving sequencing for multiple machines.



## HEAVY DUTY AIR FILTER

The heavy duty air filter on the ES 8 series compressors protects the compressor from premature failure of Key components and extends the life of lubricant, separator and fluid filter.



## SPIN-ON FIBREGLASS FLUID FILTER

Aircraft-quality media provides better quality filtration. The filters are up to 20% more efficient than conventional paper elements and improves the life of the compressor.

# THE ES-8 SERIES

Designed to be fit-for-purpose, meeting the rigorous conditions and space confinements of Shovel and Dragline in the Mining Industry.

### TECHNICAL SPECIFICATIONS

- Electrical**
  - Mechanical Interlock with circuit breaker / local isolator
  - Local latched Emergency Stop push button
  - AS3000 Compliant Electrical
  - Motor - 415V 50Hz WEG W22 NEMA Premium 22kW 2P 284/6T S (GEMS Approved & Registered)
  - Control Voltage 24VDC
- Machine**
  - Base mounted with Rubber Vibration pads
  - Multi-stage air/fluid separation reduces fluid carryover to less than 2ppm
- Spin of separator element is easily replaced
  - Spin on Fibreglass fluid Filter - Aircraft quality media provides better Filtration
  - Heavy Duty Cyclonic Air Inlet Filter
  - Highly efficient block oil cooler and aftercooler
  - Integrated moisture separator
  - Flanged mounted motor and air end, provides positive alignment and optimises bearing life of air end and motor.
  - Helical design drive gears - reduce thrust lead, and increases bearing life

MODEL	TYPE	FULL LOAD OPERATING PRESSURE		COOLING	POWER	CAPACITY (M3/MIN)	VOLTAGE / PHASE / FREQUENCY	SYNCHRONOUS SPEED	
		MIN	MAX						
ES8-30XH	Single Stage Fluid Injected Screw Compressor	60 psig (4.2bar)	175psig (12.1bar)	Pressurised Fluid	22kW / 30HP	2.12	415/3/50	3600RPM	
PHASE SEQUENCE PROTECTION		CONTROL CIRCUIT PROTECTION		POWER CIRCUIT PROTECTION		WIRE IDENTIFICATION		AMBIENT TEMP RATING	
Standard		Circuit breakers		Circuit breakers		Grafoplast type marking ferrules		<50°C	
								IP65	

# THE CSF SERIES

Inside and out, the CSF delivers longer life and lower running costs in a powerful performing and heavy duty design.

Created and assembled locally to withstand harsh Australian conditions, they're suited to ambient temperatures of up to 50°C, can handle humidity and dust, and includes dirty environment inlet filtration packs as standard.

Benefit from heavy duty machine that delivers a lifetime of tough performance. The quiet and thoughtful design of the CSF machine saves both space and money.

The Champion CSF series is a market proven industrial compressor being relaunched due to market demands.

### TECHNICAL SPECIFICATIONS

MODEL	MAX PRESSURE		CAPACITY - FREE AIR DELIVERY			MOTOR RATING		NOISE LEVEL DB(A)	DIMENSION	APPROX WEIGHT	AIR OUTLET DISCHARGE SIZE
	PSI	BAR	L/S	M3/MIN	CFM	KW	HP		L X W X H (MM)	KG	
CSF 22	109	7.5	61	3.68	130	22	30	71	1316 X 780 X 1105	540	1" BSPF
	145	10.0	50	3.03	107						
	189	13.0	43	2.58	91						





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\*With our policy of continuous improvement, we reserve the right to change or discontinue at any time, specifications or designs without notice. Note: All images are for illustration purposes only. E&OE