

ShopTek™

Lubricated Rotary Screw Air Compressors

4-15 kW ■ 5-20 Horsepower



- Simple
- Compact
- Reliable
- Low maintenance costs
- Quiet

Sullair Capabilities

Sullair Leadership

Since 1965, Sullair has been recognized around the world as an innovator and a leader in rotary screw compression and vacuum technology. For more than 40 years, Sullair has designed and manufactured its own rotors and air end assemblies at the corporate headquarters in Michigan City, Indiana.

The award-winning rotary screw design sets the industry standards and delivers the quality and reliability one expects from a leader.

Sullair Technology

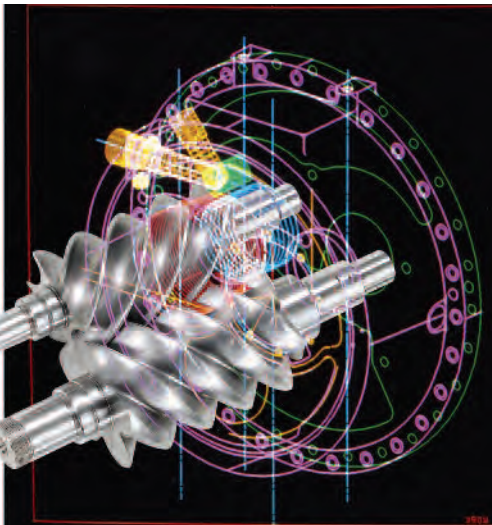
Utilizing the most modern technologies, equipment and advanced manufacturing techniques, Sullair designs, manufactures, assembles, and tests the most innovative compressed air and vacuum products in the industry. Sullair products are known around the world for their universally applicable design, outstanding craftsmanship and superior quality.

Sullair's Statistical Process Control

Sullair's Statistical Process Control (SPC) system monitors rotor quality standards to assure consistent compressor and vacuum performance.

Sullair's Commitment to Innovation

Underlying Sullair's leadership is a dedication to excellence and a commitment to innovation. Sullair is constantly exploring new ideas and seeking new ways to meet industry's need for increasingly energy efficient compressed air and vacuum solutions.



Sullair Stationary Air Power Systems

Sullair offers total compressed air systems to help compressed air users reduce energy costs and improve productivity by analyzing, managing and controlling their compressed air systems.

Sullair's air systems include: plant air audits, energy efficient products, compressed air system controls, equipment to monitor and manage systems, air distribution products, and after-purchase support.

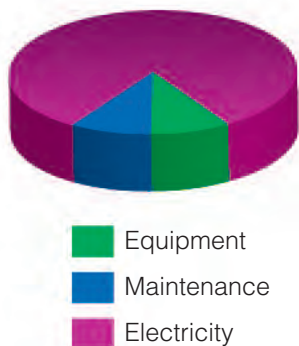
Each component of the system is carefully matched for capacity and pressure to provide maximum performance and energy efficiency. A total Sullair system provides the user with an air quality guarantee.

The Sullair ShopTek™ compressor is a complete Performance Air System for small horsepower applications. The package includes the Sullair ShopTek™ compressor, Sullair refrigerated dryer, Sullair filter, and an 80 gallon or 120 gallon storage tank.

Note: The dryer, filter, and receiver tank are optional.



Sullair Reduces Your Life-Cycle Costs



Air Compressor Life Cycle Costs

According to *Best Practices for Compressed Air Systems*, Compressed Air Challenge, Second Edition, 2007, energy costs now represent 82% of the total operating expenses. Energy savings from Sullair compressors can significantly reduce life cycle costs.

The Sullair compressors significantly reduce operating and energy costs

over the entire compressor life cycle. Contributing to the energy savings is Sullair's proven air end with the low restriction inlet valve

Sullair designs deliver cost savings for the life of the product. Improved air filtration translates into:

- Extended separator life
- Improved fluid filter life
- Less lubricant contamination

Superior Features and Benefits That Set Sullair Apart

Simple, Compact Design

Sullair compressors utilize design simplicity to provide exceptional reliability and extremely low maintenance. Designed with a small footprint, these compact machines redefine industry standards for continuous duty compressors in the 5 hp to 20 hp range.

Reliable Sullair Air End

- Patented rotor design
- Bearing fluid reservoirs
- Long life bearings

Broad Operating Range

ShopTek™ compressors are available in a range from 5 hp to 20 hp, with capacities from 17 to 78 acfm.

Sound Enclosure

- Easily removable for service
- Reduces sound levels to as low as 66 dBA

Easy Separator Maintenance

- Simply unbolt the cover and lift it off
- No tubing to disconnect
- “O” Ring seal prevents leaking
- Reduces service time

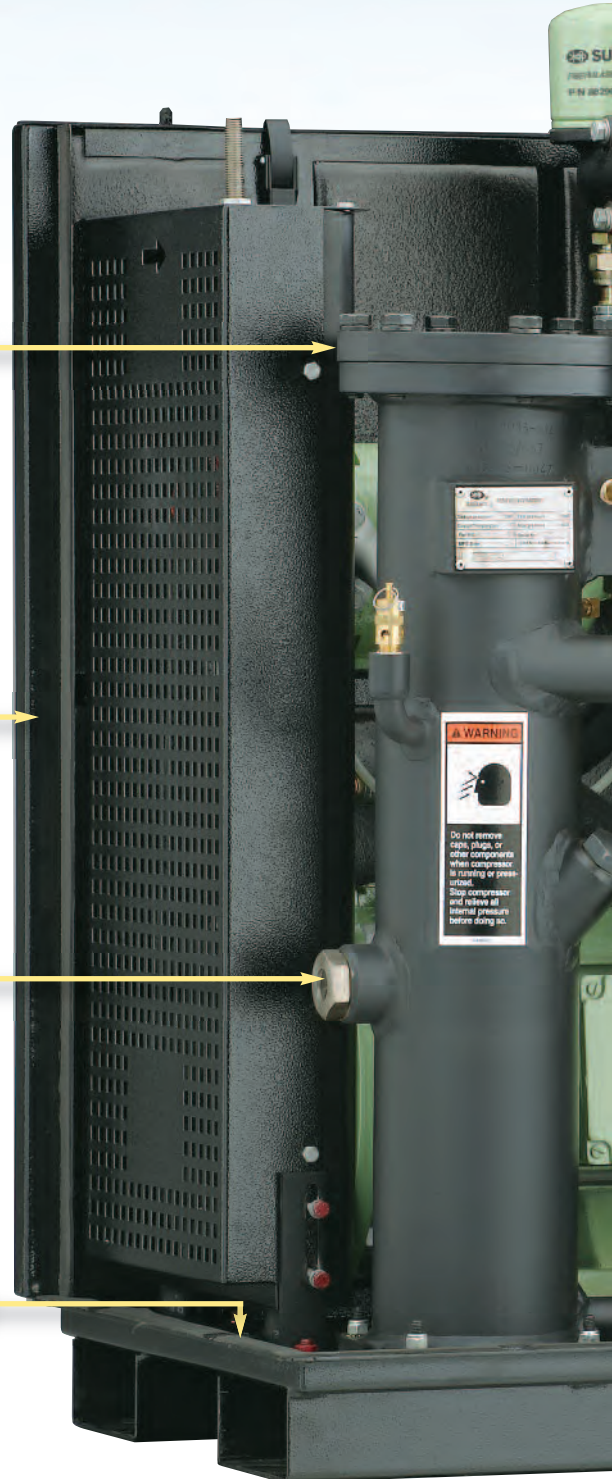
V-Belt System

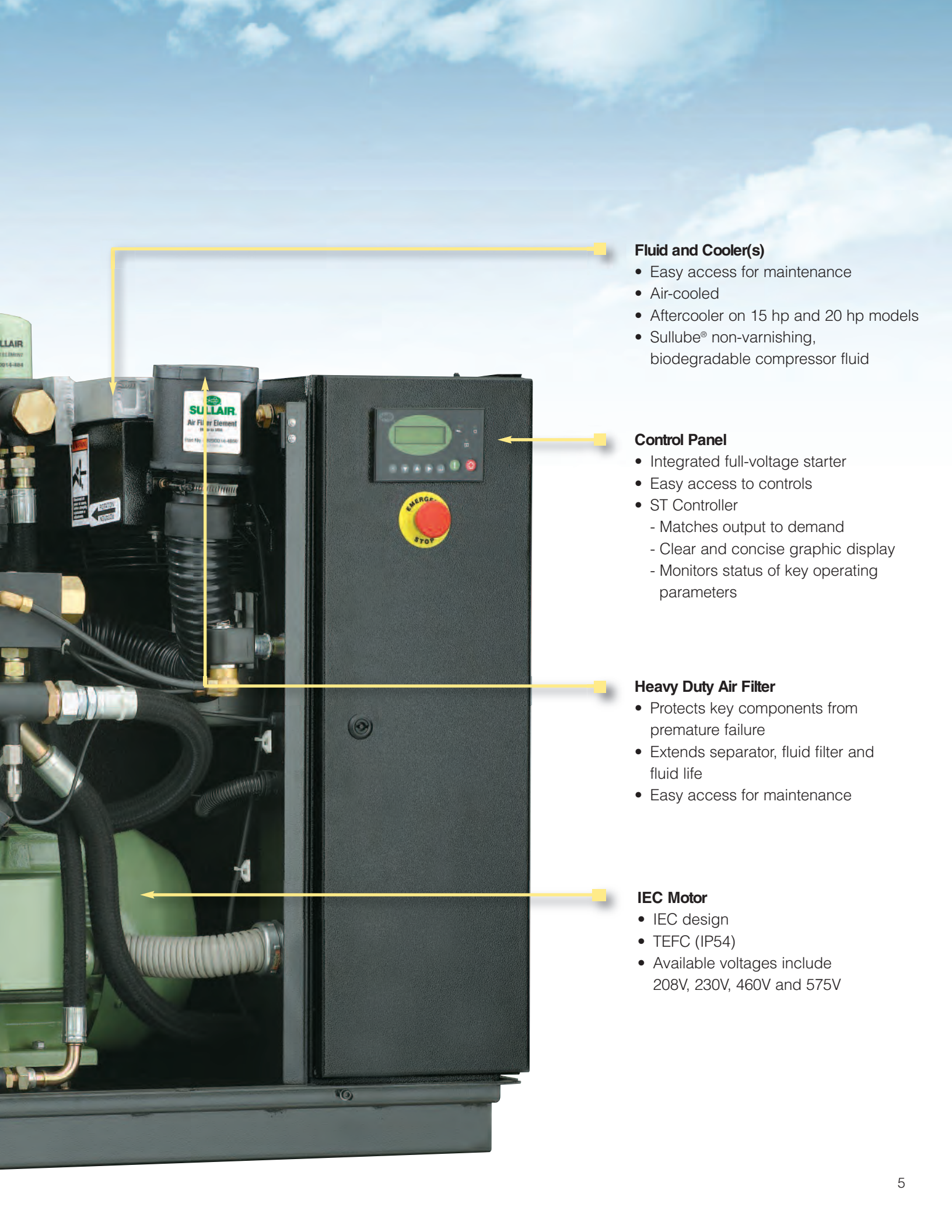
- Protective belt guard
- Easily adjusted and aligned

Fluid Sight Glass

Environmental Protection Pan

- Fully-sealed
- Captures spills





Fluid and Cooler(s)

- Easy access for maintenance
- Air-cooled
- Aftercooler on 15 hp and 20 hp models
- Sullube® non-varnishing, biodegradable compressor fluid

Control Panel

- Integrated full-voltage starter
- Easy access to controls
- ST Controller
 - Matches output to demand
 - Clear and concise graphic display
 - Monitors status of key operating parameters

Heavy Duty Air Filter

- Protects key components from premature failure
- Extends separator, fluid filter and fluid life
- Easy access for maintenance

IEC Motor

- IEC design
- TEFC (IP54)
- Available voltages include 208V, 230V, 460V and 575V

ShopTek™ Performance Air System

Compressed air is a vital source of energy for applications such as general manufacturing, cabinet and trim shops, auto body and tire shops, and commercial laundries. To meet varying air quality requirements, Sullair responds to your needs by developing a total compressed air package.

Clean, Dry Air is Essential

Without removing the condensate, moisture in the air stream can damage your total compressed air system, product, or process.

Quality air treatment — the removal of condensate and particulate — is essential. When cooled, vapor in compressed air will condense. The removal of condensate and particulate is essential for quality air.

To protect your plant air system and air-using equipment, particulate must be removed by filtration. Sullair filters will provide this protection and improve the quality of your product or process. Proper filtration will also reduce your compressed air energy costs.

The Sullair Solution

We've taken the guesswork out of putting your System together. Sullair offers the Performance Air System which includes a ShopTek™ compressor; a refrigerated dryer; a liquid and particulate filter; and a receiver tank. All components of the System have been perfectly matched and sized to provide maximum performance, without paying for more than you need. Plus, the Performance Air System is simple to install and requires a minimum amount of floor space.

The Sullair Dryer Features:

- Oversized demister separator
- Low pressure drop
- Environmentally compatible refrigerant
- Dew point indicator
- Easy drain access
- Multi-panel maintenance access
- 115V voltage

The Sullair Filter Features (not visible):

- High efficiency design using latest filter technology
- Removal of particles to 1.0 micron
- Removal of coalesced liquid water and lubricants
- Maximum remaining aerosol after filtration is 0.5 ppm @ 70°F

Features of the Receiver Tank Include:

- ASME and CRN approval
- 80 and 120 gallon tank availability
- Pressure relief and ball valve as standard



Technical Specifications:

60Hz Motor Frequency			Performance Full-Load Capacities ***							
Model*	Motor		125 psig acfm	9 bar m³/min	150 psig acfm	10 bar m³/min	175 psig acfm	12 bar m³/min	Dryer Size	Filter Size
ST410	5	3.75	-	-	17	.48	-	-	RH-25	FXF-25
ST510	7.5	5	-	-	27	.76	-	-	RH-35	FXF-45
ST709	10	7.5	36	1.06	-	-	-	-	RH-35	FXF-45
ST712	10	7.5	-	-	-	-	31	.89	RH-35	FXF-45
ST1109	15	11	64	1.8	-	-	-	-	RN-75	FXF-65
ST1112	15	11	-	-	-	-	47	1.26	RN-50	FXF-45
ST1509	20	15	80	2.2	-	-	-	-	RN-100	FXF-130
ST1512	20	15	-	-	-	-	64	1.8	RN-75	FXF-65

50Hz Motor Frequency			Performance Full-Load Capacities ***							
Model*	Motor		116 psig acfm	8 bar m³/min	145 psig acfm	10 bar m³/min	188 psig acfm	13 bar m³/min	Dryer Size	Filter Size
ST410	5	3.75	-	-	17.6	.50	-	-	RH-25	FXF-25
ST510	7.5	5	-	-	26.5	.75	-	-	RH-35	FXF-45
ST708	10	7.5	38	1.07	-	-	-	-	RH-35	FXF-45
ST713	10	10	-	-	-	-	30	.85	RH-35	FXF-45
ST1108	15	11	63.6	1.8	-	-	-	-	RN-75	FXF-65
ST1113	15	11	-	-	-	-	42.9	1.21	RN-50	FXF-45
ST1509	20	15	80.6	2.28	-	-	-	-	RN-100	FXF-130
ST1512	20	15	-	-	-	-	60	1.7	RN-75	FXF-65

*** Capacity per CAGI / PNEUROP PN2CPTC2 (Annex C to ISO 1217)

Dimensions and Weights:										
Models	Customer Connection	Length		Width		Height		Weight		dBA Rating*
		in	mm	in	mm	in	mm	lb	kg	
ST400										
Enclosed	3/4" NPT	32.5	825.5	21.5	546.1	37	939.8	524	237.7	66
Enclosed Tankmount (R)	1-1/4" NPT	64	1625.6	23	584.2	63	1600.2	854	387.4	66
Enclosed Tankmount with Dryer/Filter (RD)	1/2" NPT	69	1752.6	23	584.2	63	1600.2	935	424.1	66
ST500										
Enclosed	3/4" NPT	32.5	825.5	21.5	546.1	37	939.8	546	247.7	67
Enclosed Tankmount (R)	1-1/4" NPT	64	1625.6	23	584.2	63	1600.2	876	397.3	67
Enclosed Tankmount with Dryer/Filter (RD)	1/2" NPT	69	1752.6	23	584.2	63	1600.2	955	433.2	67
ST700										
Enclosed	3/4" NPT	32.5	825.5	21.5	546.1	37	939.8	567	255.8	68
Enclosed Tankmount (R)	1-1/4" NPT	64	1625.6	23	584.2	63	1600.2	897	406.9	68
Enclosed Tankmount with Dryer/Filter (RD)	1/2" NPT	69	1752.6	23	584.2	63	1600.2	981	444.0	68
ST1100										
Enclosed	1" NPT	39.3	998.2	24.3	617.2	40.7	1033.8	772	350.2	69
Enclosed Tankmount	1-1/4" NPT	66	1676.4	25.5	647.7	71.5	1816.1	1192	540.7	69
Enclosed Tankmount with Dryer/Filter (RD)	3/4" NPT	71	1803.4	25.5	647.7	71.5	1816.1	1288	584.2	69
ST1500										
Enclosed	1" NPT	39.3	998.2	24.3	617.2	40.7	1033.8	805	365.1	70
Enclosed Tankmount (R)	1-1/4" NPT	66	1676.4	25.5	647.7	71.5	1816.1	1225	555.6	70
Enclosed Tankmount with Dryer/Filter (RD)	3/4" NPT	71	1803.4	25.5	647.7	71.5	1816.1	1321	599.1	70

*At 1 meter.

Sullair's Compressed Air Products

www.sullair.com



Fundamental to Sullair's leadership is a dedication to reduce not only the amount of natural resources consumed to create energy, but to minimize environmental impact, in both the manufacture and use of all our products. We are constantly exploring new ideas and seeking new technologies to meet the ever-increasing need for high quality, energy-efficient compressed air products and environmental sustainability.



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LS15EN 1307R



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