

# ShopTek™

## Lubricated Rotary Screw Air Compressors

4-15 kW ■ 5-20 Horsepower



- Simple
- Compact
- Reliable
- Low Maintenance Costs
- Quiet

  
**SULLAIR®**

# Sullair Capabilities

## Sullair Leadership

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

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

## Sullair Technology

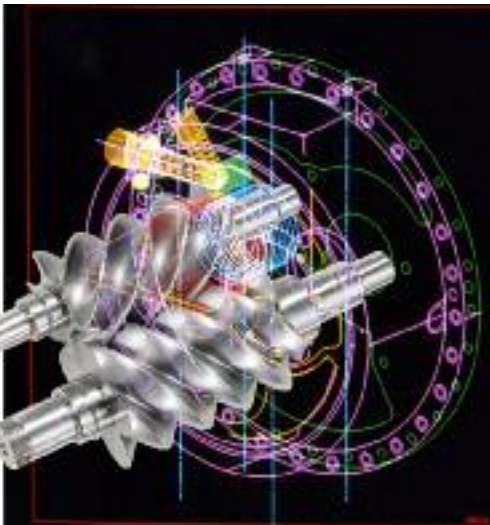
Utilizing the most modern technologies, equipment and advanced manufacturing techniques, Sullair designs, manufactures, assembles, and tests the most advanced compressed air products in the industry. Sullair products are known around the world for their universally applicable design, outstanding craftsmanship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

## Sullair's Statistical Process Control

Our Statistical Process Control (SPC) system monitors rotor quality standards to assure consistent compressor performance.

## Sullair's Commitment to Innovation

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



# Sullair Air System Solutions

Sullair offers air system solutions—*a total compressed air system*—to help compressed air users reduce energy costs and improve productivity

by analyzing, managing and controlling total compressed air systems. Sullair's air system solutions include: plant air system audits,

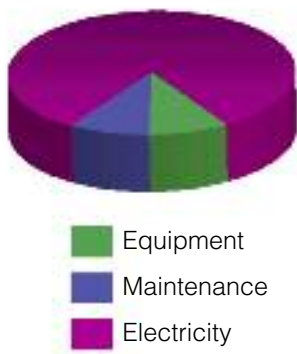
energy efficient products, compressed air system controls, monitoring and management systems, air distribution products, and after-purchase support.



*The Sullair ShopTek™ compressor is a complete Performance Air System for small horsepower applications. The package includes the Sullair ShopTek™ compressor, SRS dryer, SCF 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

## 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 to 20 horsepower 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 to 20 horsepower, with capacities from 17 to 78 acfm.

## Fluid and Cooler(s)

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

## 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



# Benefits That Set Sullair Apart



## Heavy-Duty Air Filter

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

## Sound Enclosure

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

## Control Panel

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

## 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 SRS Series Dryer features:

- Advanced 3-in-1 heat exchanger module
- Oversized demister separator
- Low pressure drop
- Environmentally friendly refrigerant
- Dew point indicator
- Easy drain access
- Single panel maintenance access
- 115V voltage

## The SCF Filter features:

- 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
- Convenient filter bypass for use during routine filter maintenance

## Features of the Receiver Tank include:

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



# ST Series Technical Specifications: 60 Hz

## Compressor Performance:

Model	Motor HP	Capacity acfm	Full Load Pressure (psig)	Dryer Size	Filter Size
ST410	5	17	150	SRS-25	SCF-40
ST510	7.5	27	150	SRS-35	SCF-40
ST709	10	38	125	SRS-50	SCF-65
ST712	10	31	175	SRS-35	SCF-40
ST1109	15	64	125	SRS-75	SCF-125
ST1112	15	45	175	SRS-50	SCF-65
ST1509	20	78	125	SRS-100	SCF-125
ST1512	20	60	175	SRS-75	SCF-125

## Dimensions and Weights:

Models	Customer Connection	Length inches	Width inches	Height inches	Weight lbs	dBa
<b>ST400</b>						
Enclosed	3/4" NPT	32.5	21.5	37	524	66
Enclosed Tankmount	1-1/4" NPT	64	23	63	854	66
Enclosed Tankmount with Dryer/Filter	3/4" NPT	69	23	63	935	66
<b>ST500</b>						
Enclosed	3/4" NPT	32.5	21.5	37	546	67
Enclosed Tankmount	1-1/4" NPT	64	23	63	876	67
Enclosed Tankmount with Dryer/Filter	3/4" NPT	69	23	63	955	67
<b>ST700</b>						
Enclosed	3/4" NPT	32.5	21.5	37	567	68
Enclosed Tankmount	1-1/4" NPT	64	23	63	897	68
Enclosed Tankmount with Dryer/Filter	3/4" NPT	69	23	63	981	68
<b>ST1100</b>						
Enclosed	1" NPT	39.3	24.3	40.7	657	69
Enclosed Tankmount	1-1/4" NPT	66	25.5	71.5	1077	69
Enclosed Tankmount with Dryer/Filter	3/4" NPT	71	25.5	71.5	1171	69
<b>ST1500</b>						
Enclosed	1" NPT	39.3	24.3	40.7	679	70
Enclosed Tankmount	1-1/4" NPT	66	25.5	71.5	1099	70
Enclosed Tankmount with Dryer/Filter	3/4" NPT	71	25.5	71.5	1193	70

# Global Support. Local Solutions.



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Taipei Hsien, Taiwan

Sullair offers air system solutions to help compressed air users reduce their energy costs and improve their productivity by analyzing, managing and controlling total compressed air systems. Information on the compressed air system tailored to your specific needs can be obtained by contacting your local Sullair Distributor. To acquire local distributor contact information visit us online at [www.Sullair.com](http://www.Sullair.com) or call 1-800-SULLAIR.



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