



# ShopTek®

Lubricated Rotary Screw Air Compressors

4–75 kW ■ 5–100 hp

NOW  
AVAILABLE  
UP TO  
**100 hp**  
ShopTek®



# ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors, and our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

*Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States and China — all ISO 9001 certified to ensure the highest quality standards in manufacturing. In addition, Sullair Suzhou and Shenzhen facilities are ISO 9001, ISO 14001 and OHSAS 18001 certified.*

**Sullair is A Hitachi Group Company**

**RELIABILITY.  
DURABILITY.  
PERFORMANCE.**

*These are the pillars that drive the quality of Sullair compressed air solutions. It's a promise we keep with every machine we make.*

## RELIABILITY

Customers who work with Sullair have found that the intangibles make all the difference — things like trust, confidence, and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

## DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressed air solutions are in it for the long haul, driven by the design of the legendary air end. In factories and shops all over the world, you'll find Sullair compressors that have stood the test of time, running consistently today like they did on day one.

## PERFORMANCE

You have high expectations for your operations, and we make machines that share your work ethic. Sullair compressed air solutions do what they're supposed to do, and they do it extremely well for a very long time. And working with us means not only access to clean, quality air, but also the tools you need to optimize this vital resource.

# SUPERIOR FEATURES AND BENEFITS THAT SET SULLAIR APART

## Simple, Compact Design

ShopTek® 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 100 hp range.

## Reliable Sullair Air End

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

## Sound Enclosure for Quiet Operation

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

## Intelligent Electronic Controls

ShopTek® compressors are fitted with the latest technology microprocessor controller to ensure uniform operation and uninterrupted production.

## Deluxe Monitoring

All essential parameters of the compressor are conveniently displayed on the controller. Pressure is controlled using transducers to minimize off-load running and reduce over-compression to help ensure optimum performance and savings in energy costs.

## Energy Efficient Features

All ShopTek motors are designed for improved energy efficiency and a compact footprint. That's why Sullair provides premium efficient motors as standard. Plus, the Sullair air end is designed to deliver maximum output with minimum power consumption, giving ShopTek compressors a superior energy advantage.

All ShopTek compressors are factory-filled with biodegradable Genuine Sullube® 10,000 hour fluid.

- Protects and cleans (no varnish)
- Controls operating temperatures
- Optimal viscosity
- Environmentally friendly
- Reduces fluid loss
- High flash point (263° C)



ShopTek compressors are covered by the 5 year Emerald Warranty – which provides coverage on major components including:

- Air end
- Air/fluid receiver
- Main Drive Motor
- Fluid cooler
- Aftercooler

For more information, contact your local authorized Sullair distributor.



# THE SULLAIR STANDARD

## HIGHER THAN THE INDUSTRY STANDARD

Sullair ShopTek® air compressors redefine industry standards for continuous duty compressors in the 5 to 100 hp range. Designed with the end customer in mind, ShopTek compressors feature a small footprint and are built to provide exceptional reliability and extremely low maintenance.

### All ShopTek air compressors come standard with:

- Legendary Sullair air end
- 10,000 hour Genuine Sullube® factory fill
- 5-year Emerald Warranty — providing coverage on major components including the air end; air/fluid receiver; main drive motor; fluid cooler; and aftercooler



## LEGENDARY SULLAIR AIR END

A continuous supply of compressed air. It's your biggest expectation in an air compressor. The legendary Sullair air end, at the heart of tens of thousands of compressors worldwide, will help keep your operation pumping, worry-free.

### Proven Reliability

Bulletproof. It's a word often used in conjunction with the Sullair air end. Although the principle of rotary screw compression remains the same, as does the durability, Sullair continuously improves the materials, engineering and design of its air ends and compressor packages.

### Longer Air End Life

Controlled pressure lubrication and bearing fluid reservoirs assure a reliable supply of fluid to rotating elements – helping extend air end life.



# ShopTek® PERFORMANCE AIR SYSTEM

*All ShopTek 5–20 hp compressors may be upgraded to the ShopTek Performance Air System by adding matching dryers, filters and receiver tanks.*



#### **Features of the Receiver Tank Include:**

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

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.

#### **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 sized to provide maximum performance. Plus, the Performance Air System is simple to install and requires a minimum amount of floor space.

#### **Clean, Dry Air is Essential**

Quality air treatment — the removal of condensate and particulate — is essential to protect your plant air system and air-using equipment. Plus, quality air can help improve the quality of your product and process.

The Performance Air System helps achieve your goals with:

- Matched refrigerated dryer — to help remove water vapor found in compressed air. The Sullair dryer features an oversized demister separator, dew point indicator and easy drain access. And the unit features environmentally compatible refrigerant.
- High-efficiency filter — to help remove particles down to 1.0 micron. The filter also helps to remove coalesced liquid and lubricants.

# ShopTek® 5–20 hp COMPRESSORS

## V-Belt System

- Protective belt guard
- Easily adjusted and aligned

## Easy Separator Maintenance

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

## Heavy Duty Air Filter

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

## Fluid and Air Cooler(s)

- Easy access for maintenance
- Air-cooled
- Aftercooler on 15 hp and 20 hp models

## Easy Access Oil Sampling Valve

## Environmental Protection Pan

- Fully-sealed
- Captures spills

## Fluid Sight Glass

- Easily check fluid level

## IEC Motor

- TEFC (IP54)
- Voltages: 208-230/460V/3PH/60Hz
- Single-Phase models available in 5, 7.5 and 10 hp

## Control Panel

- Integrated full-voltage starter
- ST Controller
  - Simple user interface
  - Clear and concise graphic display
  - Monitors status of key operating parameters



# ShopTek® 25–100 hp COMPRESSORS

## Separator

- ASME certified tank
- High-quality/low carryover (<2 ppm)
- Access panel for easy removal and serviceability
- Fluid sight glass

## Fluid and Air Coolers

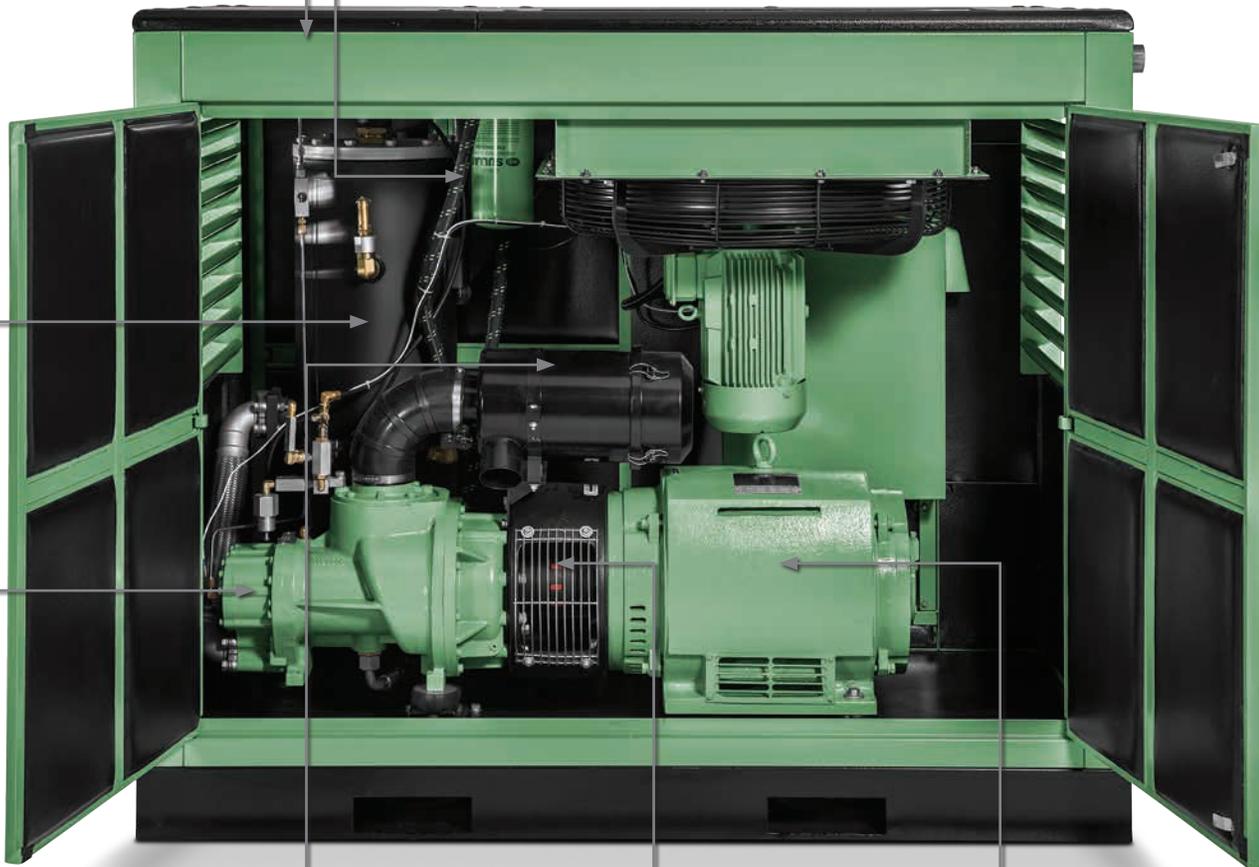
- Easy access for maintenance
- Thermostatically controlled oil cooler helps eliminate condensation in oil at lower temps
- Efficient combo cooler design
- Aftercooler is single pass

## Control Panel

- EC Controller
  - Clear and concise graphic display
  - Monitors status of key operating parameters
- Modulation Control
  - Stabilizes system pressure
  - Reduces cycling — extends life of wearing components
- Wye-Delta starter



## Easy Access Oil Sampling Valve



## Legendary Sullair Air End

- Asymmetrical rotors made in the USA
- Durable
- Proven bearing design

## Heavy Duty Inlet Filter

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

## Direct-Coupled Gear Drive

- Provides efficient power transmission
- Ensures alignment and smooth operation

## Premium Motor

- Slow-running, premium efficient 1800 rpm

# PRODUCT INFORMATION

FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

SPECIFICATIONS — 60 Hz								BASE MOUNTED							
MODEL	MOTOR		PRESSURE		CAPACITY		dBA	LENGTH		WIDTH		HEIGHT		WEIGHT	
	hp	kW	psig	bar	acfm*	m <sup>3</sup> /min		in	mm	in	mm	in	mm	lbs	kg
ST410	5	4	150	10	16	0.47	66	32.5	825.5	21.5	546.1	37	939.8	524	237.7
ST510	7.5	5	150	10	26.5	0.76	67	32.5	825.5	21.5	546.1	37	939.8	546	247.7
ST709	10	7.5	125	9	35.5	1.06	68	32.5	825.5	21.5	546.1	37	939.8	567	255.8
ST712	10	7.5	175	12	30.1	0.89	68	32.5	825.5	21.5	546.1	37	939.8	567	255.8
ST1109	15	11	125	9	63.5	1.8	69	39.3	998.2	24.3	617.2	40.7	1033.8	772	350.2
ST1112	15	11	175	12	46.5	1.26	69	39.3	998.2	24.3	617.2	40.7	1033.8	772	350.2
ST1509	20	15	125	9	80.1	2.2	70	39.3	998.2	24.3	617.2	40.7	1033.8	805	365.1
ST1512	20	15	175	12	62	1.7	70	39.3	998.2	24.3	617.2	40.7	1033.8	805	365.1
ST1808	25	18	115	8	103	2.9	75	53	1340	29	740	51	1300	1280	580
ST2208	30	22	115	8	127	3.6	75	53	1340	29	740	51	1300	1433	650
ST3008	40	30	115	8	160	4.6	80	63	1600	34	860	56.7	1440	1984	900
ST3708	50	37	115	8	219	0.89	80	63	1600	34	860	56.7	1440	2205	1000
ST4509	60	45	125	8	278	7.87	82	86.6	2199.6	49.6	1259.8	69.3	1760.2	3446	1563.1
ST5509	75	55	125	8	341	9.65	82	86.6	2199.6	49.6	1259.8	69.3	1760.2	3765	1707.8
ST7509	100	75	125	8	438	12.4	82	86.6	2199.6	49.6	1259.8	69.3	1760.2	4017	1822.1

ADDITIONAL CONFIGURATIONS ** — 60 Hz (LATIN AMERICA & EMEA ONLY)								BASE MOUNTED							
MODEL	MOTOR		PRESSURE		CAPACITY		dBA	LENGTH		WIDTH		HEIGHT		WEIGHT	
	hp	kW	psig	bar	acfm*	m <sup>3</sup> /min		in	mm	in	mm	in	mm	lbs	kg
ST4508	60	45	115	8	280	7.93	82	78.7	2000	47.2	1200	66.1	1680	3042	1380
ST5508	75	55	115	8	348	9.85	82	78.7	2000	47.2	1200	66.1	1680	3108	1410
ST7508	100	75	115	8	443	12.55	82	78.7	2000	47.2	1200	66.1	1680	3351	1520

\* acfm measured in accordance with ISO1217, Annex C

\*\* Not available in all regions

TANK MOUNT								
MODEL	LENGTH		WIDTH		HEIGHT		WEIGHT	
	in	mm	in	mm	in	mm	lbs	kg
ST410	64	1625.6	23	584.2	63	1600.2	854	387.4
ST510	64	1625.6	23	584.2	63	1600.2	876	397.3
ST7XX	64	1625.6	23	584.2	63	1600.2	897	406.9
ST11XX	66	1676.4	25.5	647.7	71.5	1816.1	1192	540.7
ST15XX	66	1676.4	25.5	647.7	71.5	1816.1	1225	555.6

TANK MOUNT WITH DRYER AND FILTER								
MODEL	LENGTH		WIDTH		HEIGHT		WEIGHT	
	in	mm	in	mm	in	mm	lbs	kg
ST410	64	1625.6	23	584.2	63	1600.2	935	424.1
ST510	64	1625.6	23	584.2	63	1600.2	955	433.2
ST7XX	64	1625.6	23	584.2	63	1600.2	981	444.0
ST11XX	66	1676.4	25.5	647.7	71.5	1816.1	1288	584.2
ST15XX	66	1676.4	25.5	647.7	71.5	1816.1	1321	599.1