



Rotary Screw Air Compressors

3000 | 3700 | 4500

Reliable • Smaller • Quieter • Energy Efficient • Easier to Maintain

II  SULLAIR IIIIIIIIIII 3700 III



30-45 kW/40-60 horsepower
Rotary Screw Air Compressors

The Next Revolution in Compressor Design

As an industry leader since 1965, Sullair pioneered rotary screw technology. We applied our 40 years of compressor know-how to the development of this series. Our objectives in designing a smaller point-of-use compressor were two-fold. First, to continue to provide the quality and reliability customers expect from Sullair. But rather than relying on existing technology, we reviewed every aspect of product development with the end user and the maintenance worker in mind. The result is truly revolutionary — Sullair reliability in the most compact, most robust, most maintenance-friendly and quietest compressor package available on the market.

Simply stated, the Sullair 3000, 3700, and 4500 rotary screw compressors provide more performance and efficiency than any other 40, 50, or 60 horsepower unit available today. It sets new standards in virtually every category:

- compact size
- low sound levels
- serviceability
- energy efficiency
- cost of operation
- air quality

Features & Options

3700 Standard Features

- Integrated inlet valve for better CFM performance
- Low life cycle costs including long-life bearings, rotors, and consumable parts
- Less than 1 ppm fluid carryover
- Excellent motor cooling design characteristics for longer motor life
- Sequencing standard
- NEMA 4 standard
- WS microprocessor standard
- Smallest footprint in its class
- Quietest in its class at 68 dba
- No-maintenance coupling handles torque at start-up

Best-in-class

- 12 unique serviceability features
- Environmental Health & Safety design features
- Sullube™ – 8000 hour non-varnishing biodegradable compressor fluid
- Optimal air filter: 10 times the filtration versus other filters

3700 Options

- Air-cooled or water-cooled
- 24KT™ (10-Year air-end Warranty)
- Cold weather package
- Premium efficient ODP motor
- TEFC main motor premium efficient
- Weather hood
- Wye Delta starter

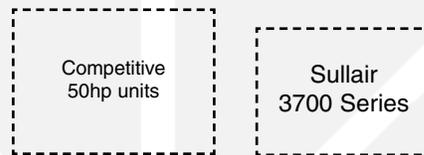




The Smallest Footprint in its Class

The Sullair 3000, 3700, and 4500 meet the smaller footprint needs for point-of-use compressors.

- Measures only 62" x 34.5" x 61.5" – more compact than any other competitive 40, 50, or 60 horsepower compressor on the market
- Fits through a standard 36-inch door, simplifying installation
- All the maintenance areas are on one side, reducing the amount of clearance and floor space typically required



Improved technology and skillful engineering allowed Sullair to design a more compact compressor with the high reliability standards and performance you expect from a name like Sullair.

Get Critical Information from Simplified Microprocessor

With the simplified WS microprocessor, there are no complicated menus to manage.

- Two large start/stop buttons are used in conjunction with three smaller ones to navigate the system and adjust settings
- The graphic display is clear and concise, making it easy to read and simple to understand
- Get the critical operations information you require more easily, including status, temperature, pressure, and load/unload set points
- The new microprocessor has WSPC interface capability
- Use a Windows PC to remotely monitor, upgrade the software, and set up changes
- Built-in sequencing of up to 16 machines with the full load solenoid valve



The Sullair 3000, 3700, and 4500

68 dba: The Quietest Compressor Available Today

The Sullair 3000, 3700, and 4500 incorporate many design features that reduce the noise of the machine, making it ideal for point-of-use installations.

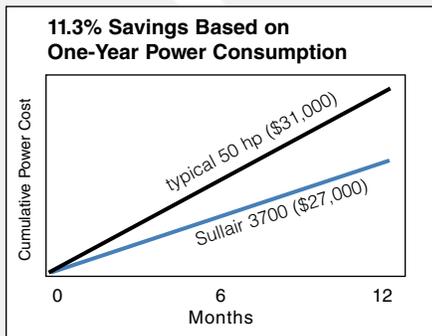
- Air-end, motor, and receiver tank mounted on rubber isolators
- Insulated intake and exhaust louvers
- Low-noise centrifugal fan

More Reasons Why We're Known as the Green Machines

The Sullair 3000, 3700, and 4500 are "Green Machines" that reinforce Sullair's reputation for providing energy-saving solutions that significantly reduce operating and energy costs using:

- Sullair's proven air-end with the integrated inlet valve
- High efficiency centrifugal fan
- Low pressure drop air-fluid separation system to prevent energy loss

Considering that energy costs represent 77% of the total cost of owning compressors, these savings significantly reduce energy costs.



Based on 24 hours per day/7 days per week of continuous operation, using full load specific power at \$0.08 per kW/hr

Lower Overall Costs for the Life of Your Machine

The new 3000, 3700, and 4500 designs deliver cost savings over the life of the product. The highly efficient Optimal Air Filter provides filtration that is 10 times better than the standard cellulose media air filters commonly used in the industry.

Improved air filtration translates into:

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

Full ambient air flow over both the fan motor and the compressor motor extends motor life. Our gears are designed with high helix angles to improve the contact ratio for reduced gear stresses and increased bearing life. And the best-in-class serviceability means you spend less time on maintenance, allowing your facility to run at peak efficiency and uptime.

To further reduce costs over the life of the compressor, try Sullair's 24KT™ lubricant or our biodegradable Sullube™ lubricant.

New Clean, Ergonomic Enclosure is Standard

The 3000, 3700, and 4500's enclosure was designed with an eye toward improved form, fit, and finish.

- The new enclosure is an integral part of every machine, and allows for easy service and further reduces noise
- Skeleton structure supports the cooler pack, starter, and outer panels, while beveled edges and corners provide the clean look of an ergonomically designed package

All That, Plus Better for the Environment Too

The 3000, 3700, and 4500 also feature several Environmental Health & Safety enhancements.

- Low-noise fan helps reduce the machine's noise level to 68 dba, important to operators using the machine on the plant floor
- A fully-sealed environmental protection pan assures that fluid is contained should any drips occur while servicing
- A new coreless filter features a non-metallic design which can either be incinerated or crushed, virtually eliminating disposal issues

In addition, the Sullair 3000, 3700, and 4500 compressors are better for the environment.

- Our environmentally compatible Sullube™ lubricant is a biodegradable fluid
- Try our 24KT™ lubricant. No lubricant changes. No disposal fees.
- Our three gallon sump reduces overall fluid costs and disposal issues

Easier than Ever to Service

The Sullair 3000, 3700, and 4500 simplify routine maintenance. No less than 12 features revolutionize the compressor's serviceability and make for a cleaner, safer work environment and cost-effective compressor.



Unimpeded Access to Inside the Compressor

Open the canopy doors, or completely remove them, for unimpeded access to the inside of the compressor. Standard maintenance can all be performed from this side.



Simplified Filter Change

Changing the air and fluid filters is now simpler than ever. The fluid filter is in an inverted position to minimize lubricant loss during filter changes.



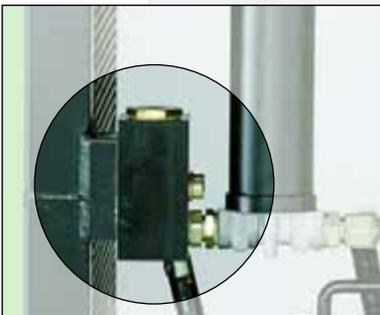
Electric Solenoid Drain

The Series features an electric solenoid drain with an easy-to-clean strainer that improves reliability.



Quick Access to Cooler

With the removal of just a few bolts, the cooler slides out on rails for easy routine cleaning.



Quick Thermostat Change

To change the thermostat, simply thread the old thermostat out, and the new one in.



Improved Separator Element

To service the separator, simply unbolt the lid and lift it off using the handle. There's no tubing to disconnect, which means less time to change and no leaks.



Easy Fluid Check

You can check the fluid level directly from the front panel without opening the machine.



Environmental Protection Pan

The Series features a fully sealed environmental protection pan to capture spills that may occur during servicing.

Plus . . .

- Reduced coupling service time
- Easily accessible fluid drain valve, fluid scavenger sight glass and strainer

Sullair Quality and Reliability

In addition to these numerous engineering achievements, it's important to know what Sullair did not change—the 3000, 3700, and 4500 feature the same long life bearings and award-winning rotors we're known for.

The Best Lubricants On The Market

Recognizing that the key to your compressor's long life is the fluid that lubricates your machine, Sullair has developed fluids specifically for our compressors, and for the way you use them.

Sullube™ is Sullair's standard factory fill, and has proven to be superior to both hydrocarbon oils and other synthetic fluids.

Sullair's unique **24KT™** fluid is an alternative to our standard factory fill of environmentally-friendly Sullube.™

Sullair's **24KT™** is a semi-organic, silicone-based compressor fluid with matchless properties.

Sullair's **SRF** and food grade lubricants are also available; contact your local distributor for further information.



The Most Comprehensive Warranties in the Industry

Our confidence in the high quality workmanship, materials, and components of Sullair products allows us to offer the most unique warranty coverage: A comprehensive five-year protection package. Sullair is the only manufacturer to offer this unprecedented warranty. Simply complete and return your startup card to activate your warranty.* No kits or spare parts agreements required.



Emerald Five-Year Compressor Health Assurance

The Emerald Five-Year warranty is available on nearly all Sullair industrial compressors when one of Sullair's recommended compressor fluids is used. This unmatched warranty covers all major components: the air-end, motor, air/fluid receiver, fluid cooler, and aftercooler.



Ultra Emerald Five-Year Compressor Warranty

With the Ultra Emerald Warranty, you get all the benefits of Sullair's Emerald Five-Year Compressor Health Assurance, with the added benefit of our Variable Speed Drive (VSD). Sullair compressors with VSD keep working at maximum efficiency for longer life and lower energy costs.

Contaminant Removal Systems Five-Year Warranty

Sullair offers the most comprehensive Contaminant Removal Systems warranty in the industry—five years on the major components of Sullair dryers, filters, and accessories.

Oil Free Guarantee



Sullair matches the best combination of compressor, dryer, and filters to remove atmospheric particulate, aerosols, and other pollutants to provide two levels of air quality—from general purpose to the most critical applications.



24KT™ Ten-Year Warranty

When you use the 24KT™ compressor fluid, the Sullair 24KT™ System carries an unprecedented ten-year warranty on the Sullair air-end. You receive the benefits of our five-year coverage on all other major components.

*If Sullair does not receive the startup card, the standard two-year warranty applies.

Specifications

3000 - 40 Horsepower - 60 Hz Horsepower Rated

Model	3007	3009	3010
Compressor Performance*			
Full Load Pressure (psig)	100	125	150
Capacity at Full Load Pressure (acfm)	199	182	165
Motor (horsepower)			
	40	40	40
Dimensions & Weights w/Enclosure – Uncrated (Crated)			
Length - inches	62 (68)	62 (68)	62 (68)
Width - inches	34.5 (49.5)	34.5 (49.5)	34.5 (49.5)
Height - inches	61.5 (76)	61.5 (76)	61.5 (76)
Weight - lbs.	1990 (2320)	1990 (2320)	1990 (2320)
Discharge Connection - in. NPT	1 1/2	1 1/2	1 1/2
Moisture Drain Connection - in. NPT	1/4	1/4	1/4
dBA Ratings at 1 Meter (Typical)			
Air-cooled w/enclosure	68	68	68

3700 - 50 Horsepower - 60 Hz Horsepower Rated

Model	3707	3709	3710	3712
Compressor Performance*				
Full Load Pressure (psig)	100	125	150	175
Capacity at Full Load Pressure (acfm)	250	222	196	179
Motor (horsepower)				
	50	50	50	50
Dimensions & Weights w/Enclosure – Uncrated (Crated)				
Length - inches	62 (68)	62 (68)	62 (68)	62 (68)
Width - inches	34.5 (49.5)	34.5 (49.5)	34.5 (49.5)	34.5 (49.5)
Height - inches	61.5 (76)	61.5 (76)	61.5 (76)	61.5 (76)
Weight - lbs.	2040 (2370)	2040 (2370)	2040 (2370)	2040 (2370)
Discharge Connection - in. NPT	1 1/2	1 1/2	1 1/2	1 1/2
Moisture Drain Connection - in. NPT	1/4	1/4	1/4	1/4
dBA Ratings at 1 Meter (Typical)				
Air-cooled w/enclosure	68	68	68	68

4500 - 60 Horsepower - 60 Hz Horsepower Rated

Model	4509	4510	4512
Compressor Performance*			
Full Load Pressure (psig)	125	150	175
Capacity at Full Load Pressure (acfm)	267	247	220
Motor (horsepower)			
	60	60	60
Dimensions & Weights w/Enclosure – Uncrated (Crated)			
Length - inches	62 (68)	62 (68)	62 (68)
Width - inches	34.5 (49.5)	34.5 (49.5)	34.5 (49.5)
Height - inches	61.5 (76)	61.5 (76)	61.5 (76)
Weight - lbs.	2190 (2520)	2190 (2520)	2190 (2520)
Discharge Connection - in. NPT	1 1/2	1 1/2	1 1/2
Moisture Drain Connection - in. NPT	1/4	1/4	1/4
dBA Ratings at 1 Meter (Typical)			
Air-cooled w/enclosure	69	69	69

All models available in: 200V, 230V, 460V and 575V

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

NOTE: Data subject to change without notice.

Air Audits

Sullair air audits review your entire compressed air system to identify ways to maximize efficiency; reduce waste; and reduce utility, maintenance, and equipment costs. And, Sullair is the only compressor manufacturer to offer three levels of air system audits that address the Department of Energy's standard levels — walk-through, assessment, and audit.

Customer Care by SULLAIR™

Our Customer Care program gives you a complete package of all the system maintenance resources you need, and our training programs teach you how to properly operate, maintain, and service Sullair equipment. Our global customer support network gives you high-speed access to genuine Sullair service parts and responsive, knowledgeable service.

AirTility™

Sullair's AirTility™ is the industry's most comprehensive air outsourcing solution. Think of AirTility™ for your compressed air system just as you think of the electrical and water systems at your facility — as a utility. AirTility™ is for those who want a reliable, safe compressed air system with no capital expenditures and no maintenance worries.

System Monitoring

Sullair's eConnect™ remotely monitors and diagnoses the health of your compressed air equipment. Using only a computer and a web browser, the status of your entire system can be viewed from anywhere in the world. System monitoring also helps in preventive maintenance and trend analysis.

Core Products

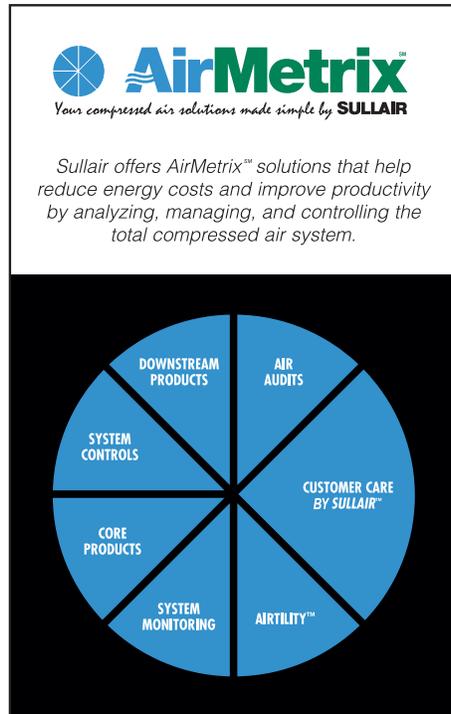
No one gives you more ways to efficiently produce clean air power than Sullair. Compressors are the heart of our business, and our reputation for reliability is reflected in our entire industrial compressor range, from 5 to 600 hp. Sullair also offers a wide range of dryers and filters for contaminant removal, as well as a range of rotary screw vacuum systems.

System Controls

Compressed air system controls match compressed air supply with system demand, and let you take a total systems approach to the most efficient production, distribution, and use of compressed air. Proper control is essential to efficient system operation and high performance.

Downstream Products

Sullair — and our distributor partners — are complete systems solutions providers for the demand side of your compressed air system. From the filter, regulator, and lubricator to the piping system and storage tanks, we provide a complete range of equipment and expertise to help keep your system at peak productivity.



For more information on Sullair products and services, please contact your local Sullair distributor.



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