

# ES Series— Rotary Screw Air Compressors 5 to 30 HP



*ES-6  
5-10 HP*

*ES-8  
15-30 HP*

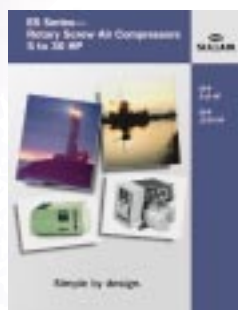
**Simple by design.**

# SULLAIR

## SULLAIR: A COMPANY WITH A FOCUS

### *Unchallenged leadership*

For decades, Sullair has been a leader in rotary screw technology. Our ability to respond to our customers' needs, with new, cutting-edge advancements is solid evidence of our leadership. Sullair compressor innovations include our encapsulated compressors, our energy efficient two-stage tandem compressors and our unprecedented 24KT™ 10-year air end warranty. Building on a solid base of experience and innovation, Sullair's leadership in rotary screw technology is unparalleled in the world today.



### *About the cover...*

The lighthouse and windmill represent design and mechanical simplicity. The design of the Sullair ES-6 and ES-8 reflects simplified design and technology in rotary screw air compressors.

# RESSOR COMPANY USED VISION.

## *Focus on rotary screw technology*

Sullair Corporation, a subsidiary of Sundstrand Corporation, is one of the world's leading authorities on rotary screw compression technology. Since it began manufacturing rotary screw compressors in 1965, Sullair has focused on this area of specialization. Sullair uses its extensive resources in Michigan City, Indiana to further develop and advance rotary screw technology. The company continues to compile a body of research and expertise that is unparalleled in the field.



## *Sullair's global reach*

Sullair serves the world marketplace. In addition to its manufacturing complex in the U.S., Sullair has manufacturing facilities in China and France. From these centers, Sullair coordinates a sales and service network that provides comprehensive product support to customers around the world.



**ISO 9001**



Member



# COMPRESSORS

## SULLAIR ENCAPSULATED SIMPLICITY

### *Simple, compact design*

Sullair encapsulated compressors utilize design simplicity to provide exceptional reliability and extremely low maintenance. Designed with a smaller footprint and 40 percent fewer parts than conventional models, these compact machines redefine industry standards for continuous duty compressors in the 5 to 30 horsepower range.

### *Rotary screw reliability*

These ES models use a single-stage rotary screw air end, featuring Sullair's patented E-Profile rotors and rugged bearing design. On standard ES models, the air end is warranted for a period of **5 years<sup>(1)</sup>**. On 24KT™ models, the air end is warranted for **10 years<sup>(2)</sup>**.

<sup>(1)</sup> Sullair's 5-year warranty includes motor, air/fluid receiver and cooler(s).

<sup>(2)</sup> Sullair's 24KT warranty includes 5-years on the motor, air/fluid receiver and cooler(s).



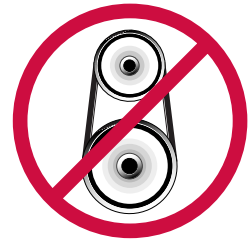
# ATED COMPRESSORS. Y AT WORK.

## *Lower maintenance costs*

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.

## *Broad operating range*

ES compressors, which are fluid lubricated and cooled, are available in 5 to 30 horsepower, with capacities from 13 to 111 acfm and pressure ratings of 100 to 175 psig.



### **NO BELTS!**

- *Eliminates sideloads on bearings associated with V-belts.*
- *Energy costs are reduced.*
- *Reduced maintenance.*



**COMPRESSOR  
HEALTH  
ASSURANCE**



**10-YEAR  
AIR END  
WARRANTY**

# PACKAGE DESIGN

## SUPERIOR SET SULLAIR

### **Superior package design**

SAE O-ring fittings are standard.  
40% fewer parts improve reliability.  
Smaller footprint sets industry standard.  
Designed for continuous duty.  
Package includes integrated full voltage starter and air-cooled aftercooler.

### **1 Sullair Supervisor II Deluxe microprocessor (ES-8)**

State-of-the-art technology.  
Constantly displays essential functions.  
Accurately monitors and controls the compressor.  
Computer-based controller allows sequencing of multiple compressors.  
Electro-mechanical controls (ES-6)

### **2 Encapsulated design**

Minimizes connections.  
Maintenance items are easy to replace.  
**The reliable Sullair air end**  
Sullair patented E-profile rotor design.  
Longer average bearing life, designed for up to 100,000 hours of service.

### **3 Multi-stage air/fluid separation**



Multi-Stage Separation reduces fluid carryover to less than 2 ppm.  
Reduced carryover lowers make-up fluid costs.  
Spin-on type separator element is easily replaced.

### **4 Spin-on fiberglass fluid filter**

Aircraft-quality media provides better filtration.  
Up to 20% more efficient than conventional paper elements.  
Lengthens life of the compressor.  
Filter service life is extended up to 1 year.

### **5 Heavy-duty air filter**

Includes remote air intake connection on ES-8.  
Protects premature failure of key components.  
Extends separator, fluid filter and fluid life.



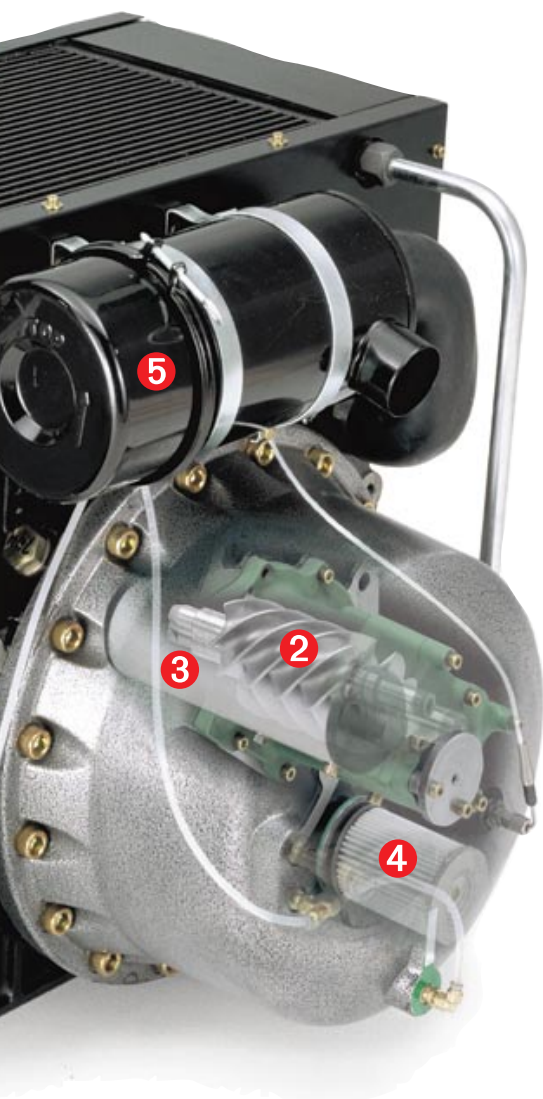
# FEATURES AIR APART.

## ***Flange-mounted motor and air end***

Up to 3% energy savings over belt drive.  
Eliminates maintenance expense associated with V-belts.  
NEMA frame "C" face flange design.  
Provides positive alignment.  
Optimizes bearing life of air end and motor.

## ***Helical design drive gears***

Reduce thrust load, increase bearing life.



## ***Select one of these long-life fluids...***

### ***Sullube™ is standard factory fill.***

5-year air end warranty.  
Biodegradable.  
One year or 8000 hour service life.  
Reduces fluid disposal costs.

### ***24KT™ is optional.***

Exclusive 10-year air end warranty.  
Eliminates annual fluid changes.  
Eliminates annual fluid disposal costs.

### ***Free fluid sampling and analysis program with either fluid.***

## ***Sullair's Versatile Control System***

Matches output to demand.  
Stabilizes system pressure.  
Minimizes need for an air receiver.  
Extends package life.

## ***Premium efficient motor (ES-8)***

Exceeds EPACT (1992) motor efficiency regulations.  
Reduces energy consumption and operating costs.  
5-year warranty.  
250,000-hour insulation life.

## ***Bearing Fluid Reservoirs***

Ensure that fluid is available at startup.  
Extend air end life.

## ***Optional sound enclosure***

Reduces sound levels to as low as 70 dBA.  
Lift-up, hinged canopy on ES-6.  
Lift-out panels for easy access on ES-8.



***Reduces fluid carryover.***



***Allows the compressor to run in modulation or load/no load operation. Dual control operation includes automatic start/stop (ES-8).***



***Extends bearing life.***

# FEATURES

## Sullair Supervisor II Deluxe microprocessor controller on ES-8

## The reliable Sullair E-Profile air end



### ***Compatible and user-friendly***

This state-of-the-art, computer-compatible microprocessor controller has a simple graphical illustration of the monitored functions and an easy-to-read keypad.

### ***Featuring:***

- Constant readout of pressure and temperature.
- On-demand readout of all operating and maintenance conditions.
- Monitors key functions and safety shutdowns.
- Power failure auto re-start.
- Dual control, provides automatic start-stop operation.
- Lead-lag and sequencing with multiple compressors.

### ***Two-way communications***

RS 485 communications port allows remote input of operating parameters and output of actual readings.

### ***Decades of proven reliability are testimony to the quality of the Sullair air end.***

Although the principle of rotary screw compression remains the same, Sullair is continually improving materials, engineering and design of its air ends and compressor packages.

### ***No loss of capacity or efficiency***

Sullair air ends have only two moving parts: the asymmetrical profile rotors. Contact occurs only on a lubricated pitchline, so wear is virtually eliminated. As a result, Sullair compressors do not lose capacity or efficiency.

### ***Longer air end life***

Controlled pressure



lubrication and BFR (Bearing Fluid Reservoirs) assure a reliable supply of fluid to rotating elements.

### ***Lower operating costs***

Discharge port matches ratios of volume and operating pressure for maximum efficiency. Axial air inlet avoids preheating inlet air for further savings.



## Sullube™ Sullair's standard long-life compressor fluid

### *Environmentally compatible*

Sullube™ is a biodegradable fluid that is recyclable. Low levels of Sullube carried over in condensate may be accepted for direct sewer disposal without additional separation/equipment. Contact local authorities for approval.

### *8,000-hour fluid*

Because Sullube can operate for three full shifts for one year, labor related to fluid change-out and associated downtime costs during this time are virtually eliminated.

### *Non-varnishing*

Because of its unique chemical formulation, Sullube will not varnish.

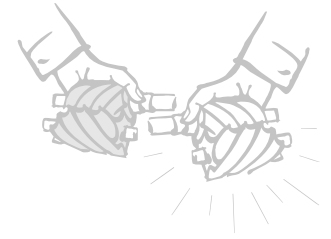
### *Longer fluid life*

Unique additive package maintains desired characteristics over a wide range of operating conditions for extended periods.



## Sullair's air end exchange program

If your Sullair compressor requires a replacement air end, Sullair will provide one with updated components featuring the latest technology. The replacement air end is factory warranted and is easy to install. If the replacement occurs during the warranty period, labor is also included.



**Fact:** *Factory replacement air ends are built to the latest technology.*

GENUINE  
**SULLUBE™**  
BY SULLAIR

**Fact:** *Thousands of municipalities worldwide approve Sullube in condensate form to be acceptable for sewage disposal.*

# OPTIONS

## 24KT™ compressor fluid and the 10-year warranty

### ***10-year compressor air-end warranty***

24KT fluid formulation is so revolutionary, Sullair is the only compressor manufacturer to offer this unprecedented warranty.

Sullair's 24KT warranty includes 5-years on the motor (ES-8), air/fluid receiver and cooler(s).

### ***Routine fluid disposal costs are eliminated***

There is no foreseeable end to the useful life of 24KT fluid, when used according to Sullair recommendations. Fluid-related maintenance costs are drastically reduced.

### ***24KT Fluid extends compressor component life***

24KT is chemically inert and does not break down or varnish. It works clean. Filters, separators and coolers will not plug. Bearings last longer. Associated labor costs are also reduced.

### ***Compressor operates at peak performance***

Constant viscosity insures excellent lubrication to all rotating parts.



## ES-8 with integrated dryer



### ***Provides clean, dry air***

The ES-8 encapsulated compressors are available with an integrated, refrigerated dryer and high efficiency coalescing filter to provide critical quality compressed air. This Sullair System removes water and fluid contamination from the discharge air to meet the stringent requirements of high-tech industries.

### ***Dryer capacity matched to compressor***

for optimum performance and savings.

### ***Oil-Free System Guarantee***

Add high-efficiency MPH filter for a complete Oil-Free System Guarantee.

### ***Protects downstream equipment and product or process***

from the contaminating and corrosive effects of water, dirt and fluid aerosols.

### ***Reduces installation costs***

The dryer and filter are an integral part of the compressor package.

- Smaller footprint.
- No inter-connecting piping

## Standard and optional equipment

|  | ES-6<br>5-10 HP | ES-8<br>15-30 HP |
|--|-----------------|------------------|
| Encapsulated Design                            | ●               | ●                |
| Supervisor II Deluxe                           | X               | ●                |
| Electro-Mechanical Control                     | ●               | ●                |
| Highly Efficient Air/Fluid Separation—MSS      | ●               | ●                |
| Integrated Aftercooler                         | ●               | ●                |
| Spin-On Fiberglass Fluid Filter                | ●               | ●                |
| Heavy Duty Intake Filter                       | ●               | ●                |
| SRF 1/4000 Compressor Fluid                    | ●               | ●                |
| Sullube 8000 Hour Compressor Fluid             | ●               | ●                |
| Emerald 5-year Health Assurance <sup>(1)</sup> | ●               | ●                |
| 24KT (10-Year Air End Warranty) <sup>(2)</sup> | ●               | ●                |
| Sound Attenuating Enclosure                    | ●               | ●                |
| Tank Mounting                                  | ●               | ●                |
| Integrated Refrigerated Dryer                  | X               | ●                |
| Bearing Fluid Reservoir—BFR                    | ●               | ●                |
| Sullair's Versatile Control System—VCS         | ●               | ●                |

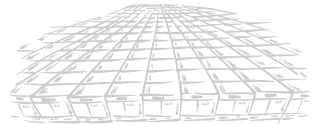
● = Standard   ● = Option   X = Not Available

<sup>(1)</sup> Sullair's 5-year warranty includes motor, air/fluid receiver and cooler(s).

<sup>(2)</sup> Sullair's 24KT warranty includes 5-years on the motor, air/fluid receiver and cooler(s).

Sullair is committed to a program of continuous improvement.

Features and specifications may change without notice. Consult your Sullair representative or authorized Sullair distributor.



*Fact: Today, more than 150,000 Sullair compressors are in use around the world.*

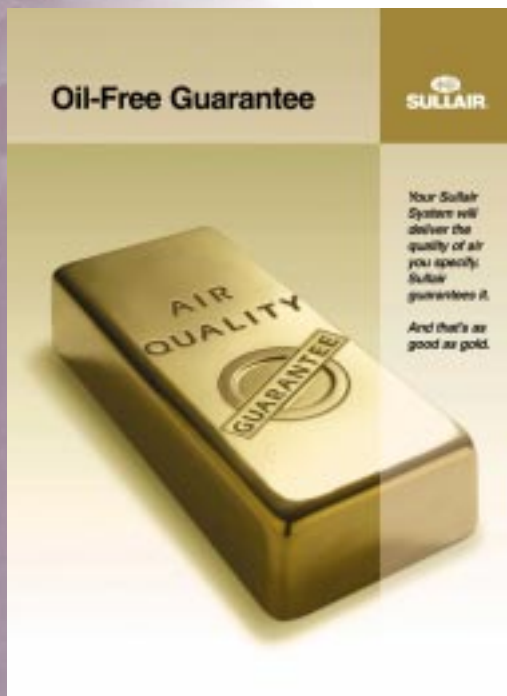
# AIR QUALITY

## Sullair Air Quality Guarantee. It's as good as gold.

Sullair assures that its System—compressor, dryer and filter—will meet specific performance levels throughout its operational life. We offer a one-year test/review period, backed by a purchase refund guarantee, to verify the performance of the Sullair System.

### *The Sullair System.*

The Sullair System matches a Sullair compressor, a Sullair dryer and Sullair filters. Dry air is filtered to remove atmospheric particulate, aerosols and other pollutants to provide compressed air for general purposes to the most critical application.



### *Two levels of air quality.*

Sullair recognizes that the requirements for air quality vary according to each compressed air application. For this reason, we provide Systems that achieve two distinct levels of air quality.

### *Level 1.*

This System consists of a Sullair compressor and Sullair MPF and MPH or PF/PH filters. The compressed air from this system contains particulates no larger than .01 micron, including coalesced liquid water and lubricants. Maximum remaining oil aerosol content is 0.01 parts per million by weight (ppm/w) @ 70°F, including oil vapor. The air from this Sullair System meets the most stringent ISO standard (ISO 8573.1, Class 1) for air quality.

### *Level 2.*

Level 2 offers the highest quality compressed air for critical applications. The air from this Sullair System exceeds the ISO standard (ISO 8573.1, Class 1) for air quality with the use of the MPC or PC filter. The System includes a Sullair compressor and Sullair MPF, MPH and MPC or PF, PH and PC filters. The odor-free compressed air from this system contains particulates no larger than 0.01 micron, including water and oil aerosol content of 0.01 ppm/w @ 70°F. The remaining oil vapor content is less than 0.003 ppm/w.

### *Select the System.*

Select the air quality level to meet your plant air or process requirements. You can be assured that the quality of air from the Sullair System you specify will remain consistent for the life of the equipment. Sullair guarantees it. And that's as good as gold.

These Systems are not intended to remove carbon monoxide, methyl isocyanate or other noxious, corrosive or toxic gases, vapors or fumes. The system does not provide breathing air.

# SUPPORT

## Global service support and worldwide parts availability



Your investment is supported by an experienced team of compressed air system experts. Our global network of authorized Sullair distributors and field service representatives provide responsive, knowledgeable service, including on-site and factory-based technical assistance, to Sullair customers around the world.

Because Sullair believes that using Genuine Sullair Replacement Parts is critical for optimum compressor system performance, we make them available on a global basis. Through Sullinet, our on-line network, distributors can procure Genuine Sullair Replacement Parts for any piece of Sullair equipment in any part of the world, quickly and efficiently.



## Specifications for ES-6 50Hz

| Series ES-6, 50Hz  | 5.5L            | 5.5HH | 5.5XH | 7.5L            | 7.5HH | 7.5XH | 10L             | 10HH | 10XH |
|--|-----------------|-------|-------|-----------------|-------|-------|-----------------|------|------|
| <b>Compressor Performance</b>                            |                 |       |       |                 |       |       |                 |      |      |
| Full Load Pressure (bar)                                 | 7.5             | 10    | 12.1  | 7.5             | 10    | 12.1  | 7.5             | 10   | 12.1 |
| Capacity (m <sup>3</sup> /min)                           | .60             | .49   | .38   | .85             | .69   | .58   | 1.11            | .96  | .80  |
| Motor (kW)   | 4               | 4     | 4     | 5.5             | 5.5   | 5.5   | 7.5             | 7.5  | 7.5  |
| <b>Dimensions and Weights without Enclosure (crated)</b> |                 |       |       |                 |       |       |                 |      |      |
| Length (mm)  | 749.3 (1016)    |       |       | 787.4 (1016)    |       |       | 787.4 (1016)    |      |      |
| Width (mm)   | 647.7 (762)     |       |       | 647.7 (762)     |       |       | 647.7 (762)     |      |      |
| Height (mm)  | 508 (762)       |       |       | 508 (762)       |       |       | 508 (762)       |      |      |
| Weight (kg)  | 117.8           |       |       | 122.5           |       |       | 127             |      |      |
| Shipping Weight (kg)                                     | (176.3)         |       |       | (181.5)         |       |       | (186)           |      |      |
| Discharge Connection (mm)                                | 12.7            |       |       | 12.7            |       |       | 12.7            |      |      |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |                 |       |       |                 |       |       |                 |      |      |
| Length (mm)  | 1308.1 (1447.8) |       |       | 1308.1 (1447.8) |       |       | 1308.1 (1447.8) |      |      |
| Width (mm)   | 787.4 (990.6)   |       |       | 787.4 (990.6)   |       |       | 787.4 (990.6)   |      |      |
| Height (mm)  | 647.7 (965.2)   |       |       | 647.7 (965.2)   |       |       | 647.7 (965.2)   |      |      |
| Weight (kg)  | 163.3           |       |       | 169.9           |       |       | 172.4           |      |      |
| Shipping Weight (kg)                                     | (245.0)         |       |       | (249.5)         |       |       | (254)           |      |      |
| Discharge Connection (mm)                                | 12.7            |       |       | 12.7            |       |       | 12.7            |      |      |

## Specifications for ES-6KT 50Hz

| Series ES-6KT, 50Hz                                      | 5.5L            | 7.5L            | 10L             |
|--|-----------------|-----------------|-----------------|
| <b>Compressor Performance</b>                            |                 |                 |                 |
| Full Load Pressure (bar)                                 | 7.5             | 7.5             | 7.5             |
| Capacity (m <sup>3</sup> /min)                           | .60             | .85             | 1.11            |
| Motor (kW)   | 4               | 5.5             | 7.5             |
| <b>Dimensions and Weights without Enclosure (crated)</b> |                 |                 |                 |
| Length (mm)  | 749.3 (1016)    | 787.4 (1016)    | 787.4 (1016)    |
| Width (mm)   | 647.7 (762)     | 647.7 (762)     | 647.7 (762)     |
| Height (mm)  | 508 (762)       | 508 (762)       | 508 (762)       |
| Weight (kg)  | 117.8           | 122.5           | 127             |
| Shipping Weight (kg)                                     | (176.3)         | (181.5)         | (186)           |
| Discharge Connection (mm)                                | 12.7            | 12.7            | 12.7            |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |                 |                 |                 |
| Length (mm)  | 1308.1 (1447.8) | 1308.1 (1447.8) | 1308.1 (1447.8) |
| Width (mm)   | 787.4 (990.6)   | 787.4 (990.6)   | 787.4 (990.6)   |
| Height (mm)  | 647.7 (965.2)   | 647.7 (965.2)   | 647.7 (965.2)   |
| Weight (kg)  | 163.3           | 169.9           | 172.4           |
| Shipping Weight (kg)                                     | (245.0)         | (249.5)         | (254)           |
| Discharge Connection (mm)                                | 12.7            | 12.7            | 12.7            |

## Specifications for ES-8 50Hz

| Series ES-8, 50 Hz                                    | 15L           | 15HH | 15XH | 20L           | 20HH | 20XH | 25L                     | 25HH | 25XH | 30L           | 30HH | 30XH |
|---|---------------|------|------|---------------|------|------|-------------------------|------|------|---------------|------|------|
| <b>Compressor Performance</b>                         |               |      |      |               |      |      |                         |      |      |               |      |      |
| Full Load Pressure (bar)                              | 6.9           | 9.7  | 12.1 | 6.9           | 9.7  | 12.1 | 6.9                     | 9.7  | 12.1 | 6.9           | 9.7  | 12.1 |
| Capacity (m <sup>3</sup> /min)                        | 1.62          | 1.32 | 1.02 | 2.29          | 1.84 | 1.50 | 2.77                    | 2.18 | 1.78 | 3.25          | 2.72 | 2.12 |
| Motor (kW)  | 11            | 11   | 11   | 15            | 15   | 15   | 18.5                    | 18.5 | 18.5 | 22            | 22   | 22   |
| <b>Dimensions and Weights without Enclosure</b>       |               |      |      |               |      |      |                         |      |      |               |      |      |
| Length (mm)   | 1239 (1702)   |      |      | 1283 (1702)   |      |      | 1283 (1702)             |      |      | 1283 (1702)   |      |      |
| Width (mm)  | 852 (1092)    |      |      | 852 (1092)    |      |      | 852 (1092)              |      |      | 852 (1092)    |      |      |
| Height (mm)   | 763 (1168)    |      |      | 763 (1168)    |      |      | 763 (1168)              |      |      | 763 (1168)    |      |      |
| Weight (kg)   | 478.5 (576)   |      |      | 505.8 (603.3) |      |      | 505.8 (603.3)           |      |      | 519.4 (616.9) |      |      |
| Discharge Connection (in)                             |               |      |      |               |      |      | .75" NPT / .75" NPT     |      |      |               |      |      |
| Moisture Drain Connection (in)                        |               |      |      |               |      |      | .375" Hose / .375" Hose |      |      |               |      |      |
| <b>Dimensions and Weights with Enclosure (crated)</b> |               |      |      |               |      |      |                         |      |      |               |      |      |
| Length (mm)   | 1524 (1702)   |      |      | 1524 (1702)   |      |      | 1524 (1702)             |      |      | 1524 (1702)   |      |      |
| Width (mm)  | 914 (1092)    |      |      | 914 (1092)    |      |      | 914 (1092)              |      |      | 914 (1092)    |      |      |
| Height (mm)   | 1067 (1372)   |      |      | 1067 (1372)   |      |      | 1067 (1372)             |      |      | 1067 (1372)   |      |      |
| Weight (kg)   | 628.2 (725.8) |      |      | 655.5 (753.0) |      |      | 655.5 (753.0)           |      |      | 669.1 (766.6) |      |      |
| Discharge Connection (in)                             |               |      |      |               |      |      | .75" NPT / .75" NPT     |      |      |               |      |      |
| Moisture Drain Connection (in)                        |               |      |      |               |      |      | .375" Hose / .375" Hose |      |      |               |      |      |

## Specifications for ES-8KT 50Hz

| Series ES-8KT, 50Hz                                      | 15L           | 15H  | 20L           | 25L  | 30L           |  |
|--|---------------|------|---------------|------|---------------|--|
| <b>Compressor Performance</b>                            |               |      |               |      |               |  |
| Full Load Pressure (bar)                                 | 6.9           | 9.7  | 6.9           | 6.9  | 6.9           |  |
| Capacity (m <sup>3</sup> /min)                           | 1.62          | 1.34 | 2.29          | 2.77 | 3.25          |  |
| Motor (kW)   | 11            | 11   | 15            | 18.5 | 22            |  |
| <b>Dimensions and Weights without Enclosure (crated)</b> |               |      |               |      |               |  |
| Length (mm)  | 1239 (1702)   |      | 1283 (1702)   |      | 1283 (1702)   |  |
| Width (mm)   | 852 (1092)    |      | 852 (1092)    |      | 852 (1092)    |  |
| Height (mm)  | 763 (1168)    |      | 763 (1168)    |      | 763 (1168)    |  |
| Weight (kg)  | 478.5 (576)   |      | 505.8 (603.3) |      | 519.4 (616.9) |  |
| Discharge Connection                                     | .75" NPT      |      | .75" NPT      |      | .75" NPT      |  |
| Moisture Drain Connection                                | .375" hose    |      | .375" hose    |      | .375" hose    |  |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |               |      |               |      |               |  |
| Length (mm)  | 1524 (1702)   |      | 1524 (1702)   |      | 1524 (1702)   |  |
| Width (mm)   | 914 (1092)    |      | 914 (1092)    |      | 914 (1092)    |  |
| Height (mm)  | 1067 (1372)   |      | 1067 (1372)   |      | 1067 (1372)   |  |
| Weight (kg)  | 628.2 (725.8) |      | 655.5 (753.0) |      | 669.1 (766.6) |  |
| Discharge Connection                                     | .75" NPT      |      | .75" NPT      |      | .75" NPT      |  |
| Moisture Drain Connection                                | .375" hose    |      | .375" hose    |      | .375" hose    |  |

# Specifications for ES-8 with Dryer 60Hz

## Series ES-8, 60 Hz

| with Built-In Refrigerated Dryer                | 15L            | 15H      | 15XH     | 20H         | 20XH     | 25H      | 25XH        | 30H      | 30XH        |
|---|----------------|----------|----------|-------------|----------|----------|-------------|----------|-------------|
| <b>Compressor Performance</b>                   |                |          |          |             |          |          |             |          |             |
| Full Load Pressure (psig)                       | 93             | 118      | 168      | 118         | 68       | 118      | 168         | 118      | 168         |
| Capacity (acfm)                                 | 65             | 57       | 41       | 76          | 55       | 94       | 75          | 111      | 92          |
| Motor (hp)                                      | 15             | 15       | 15       | 20          | 20       | 25       | 25          | 30       | 30          |
| Air Outlet (NPT) in.                            | 1              | 1        | 1        | 1           | 1        | 1        | 1           | 1        | 1           |
| Drain Connection (FPT) in.                      | 1/2            | 1/2      | 1/2      | 1/2         | 1/2      | 1/2      | 1/2         | 1/2      | 1/2         |
| Refrigerant Compressor Installed Power kW       | 1.19           | 1.19     | 1.19     | 1.19        | 1.19     | 1.19     | 1.19        | 1.19     | 1.19        |
| Max. Heat of Rejection (BTU/Hr)                 | 7473           | 7473     | 7473     | 7473        | 7473     | 7473     | 7473        | 7473     | 7473        |
| Dryer Cooling Air Flow (cfm)                    | 412            | 412      | 412      | 412         | 412      | 412      | 412         | 412      | 412         |
| Refrigerant Charge (lb) (R134a)                 | 0.95           | 0.95     | 0.95     | 0.95        | 0.95     | 0.95     | 0.95        | 0.95     | 0.95        |
| Standard Voltage                                | 115/1/60       |          |          |             |          |          |             |          |             |
| Full Load Amps                                  | 12.3           | 12.3     | 12.3     | 12.3        | 12.3     | 12.3     | 12.3        | 12.3     | 12.3        |
| Pressure Drop Across Dryer (psi)                | 1.25-3.0       | 1.25-3.0 | 1.25-3.0 | 1.25-3.0    | 1.25-3.0 | 1.25-3.0 | 1.25-3.0    | 1.25-3.0 | 1.25-3.0    |
| Pressure Drop Across Filter (psi)               | .5-2           | .5-2     | .5-2     | .5-2        | .5-2     | .5-2     | .5-2        | .5-2     | .5-2        |
| Pressure Dewpoint (°F)                          | 35-39          | 35-39    | 35-39    | 35-39       | 35-39    | 35-39    | 35-39       | 35-39    | 35-39       |
| Rating Based Upon Amb.Temp. (°F)                | 100° + 100 psi |          |          |             |          |          |             |          |             |
| <b>Dimensions and Weights uncrated (crated)</b> |                |          |          |             |          |          |             |          |             |
| Length (in)                                     | 60 (67)        | 60 (67)  | 60 (67)  | 60 (67)     | 60 (67)  | 60 (67)  | 60 (67)     | 60 (67)  | 60 (67)     |
| Width (in)                                      | 36 (54)        | 36 (54)  | 36 (54)  | 36 (54)     | 36 (54)  | 36 (54)  | 36 (54)     | 36 (54)  | 36 (54)     |
| Height (in)                                     | 42 (43)        | 42 (43)  | 42 (43)  | 42 (43)     | 42 (43)  | 42 (43)  | 42 (43)     | 42 (43)  | 42 (43)     |
| Weight (lb)                                     | 1278 (1733)    |          |          | 1345 (1773) |          |          | 1398 (1773) |          | 1408 (1833) |
| Discharge Connection (in)                       | .75 NPT        | .75 NPT  | .75 NPT  | .75 NPT     | .75 NPT  | .75 NPT  | .75 NPT     | .75 NPT  | .75 NPT     |
| Moisture Drain Connection (in)                  | .375 NPT       | .375 NPT | .375 NPT | .375 NPT    | .375 NPT | .375 NPT | .375 NPT    | .375 NPT | .375 NPT    |

Measured in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217).

SPECIFICATIONS 60HZ



# SPECIFICATIONS 60HZ

## Specifications for ES-6 60Hz

| Series ES-6, 60Hz  | 5H        | 5XH | 7.5H      | 7.5XH | 10H       | 10XH |
|--|-----------|-----|-----------|-------|-----------|------|
| <b>Compressor Performance</b>                            |           |     |           |       |           |      |
| Full Load Pressure (psig)                                | 125       | 175 | 125       | 175   | 125       | 175  |
| Capacity (acfm)  | 17        | 13  | 28        | 20    | 36        | 30   |
| Motor (hp)   | 5         | 5   | 7.5       | 7.5   | 10        | 10   |
| <b>Dimensions and Weights without Enclosure (crated)</b> |           |     |           |       |           |      |
| Length (in)  | 29.5 (40) |     | 31 (40)   |       | 31 (40)   |      |
| Width (in)   | 25.5 (30) |     | 25.5 (30) |       | 25.5 (30) |      |
| Height (in)  | 20 (30)   |     | 20 (30)   |       | 20 (30)   |      |
| Weight (lb)  | 260       |     | 270       |       | 280       |      |
| Shipping Weight (lb)                                     | (390)     |     | (400)     |       | (410)     |      |
| Discharge Connection (in)                                | .5" NPT   |     | .5" NPT   |       | .5" NPT   |      |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |           |     |           |       |           |      |
| Length (in)  | 51.5 (57) |     | 51.5 (57) |       | 51.5 (57) |      |
| Width (in)   | 31 (39)   |     | 31 (39)   |       | 31 (39)   |      |
| Height (in)  | 25.5 (38) |     | 25.5 (38) |       | 25.5 (38) |      |
| Weight (lb)  | 360       |     | 370       |       | 380       |      |
| Shipping Weight (lb)                                     | (540)     |     | (550)     |       | (560)     |      |
| Discharge Connection (in)                                | .5" NPT   |     | .5" NPT   |       | .5" NPT   |      |

## Specifications for ES-6KT 60Hz

| Series ES-6KT, 60Hz                                      | 5H        | 7.5H      | 10H       |
|--|-----------|-----------|-----------|
| <b>Compressor Performance</b>                            |           |           |           |
| Full Load Pressure (psig)                                | 125       | 125       | 125       |
| Capacity (acfm)  | 17        | 28        | 36        |
| Motor (hp)   | 5         | 7.5       | 10        |
| <b>Dimensions and Weights without Enclosure (crated)</b> |           |           |           |
| Length (in)  | 29.5 (40) | 31 (40)   | 31 (40)   |
| Width (in)   | 25.5 (30) | 25.5 (30) | 25.5 (30) |
| Height (in)  | 20 (30)   | 20 (30)   | 20 (30)   |
| Weight (lb)  | 260       | 270       | 280       |
| Shipping Weight (lb)                                     | (390)     | (400)     | (410)     |
| Discharge Connection (in)                                | .5" NPT   | .5" NPT   | .5" NPT   |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |           |           |           |
| Length (in)  | 51.5 (57) | 51.5 (57) | 51.5 (57) |
| Width (in)   | 31 (39)   | 31 (39)   | 31 (39)   |
| Height (in)  | 25.5 (38) | 25.5 (38) | 25.5 (38) |
| Weight (lb)  | 360       | 370       | 380       |
| Shipping Weight (lb)                                     | (540)     | (550)     | (560)     |
| Discharge Connection (in)                                | .5" NPT   | .5" NPT   | .5" NPT   |

# Specifications for ES-8 60Hz

| Series ES-8, 60Hz                                     | 15L                      | 15H | 15XH | 20H         | 20XH | 25H         | 25XH | 30H         | 30XH |
|---|--------------------------|-----|------|-------------|------|-------------|------|-------------|------|
| <b>Compressor Performance</b>                         |                          |     |      |             |      |             |      |             |      |
| Full Load Pressure (psig)                             | 100                      | 125 | 175  | 125         | 175  | 125         | 175  | 125         | 175  |
| Capacity (acfm)                                       | 65                       | 57  | 41   | 76          | 55   | 94          | 75   | 111         | 92   |
| Motor (hp)  | 15                       | 15  | 15   | 20          | 20   | 25          | 25   | 30          | 30   |
| <b>Dimensions and Weights without Enclosure</b>       |                          |     |      |             |      |             |      |             |      |
| Length (in)   | 49 (67)                  |     |      | 51 (67)     |      | 51 (67)     |      | 51 (67)     |      |
| Width (in)  | 34 (43)                  |     |      | 34 (43)     |      | 34 (43)     |      | 34 (43)     |      |
| Height (in)   | 30 (46)                  |     |      | 30 (46)     |      | 30 (46)     |      | 30 (46)     |      |
| Weight (lb)   | 1055 (1270)              |     |      | 1115 (1330) |      | 1115 (1330) |      | 1145 (1360) |      |
| Discharge Connection (in)                             | .75" NPT / .75" NPT      |     |      |             |      |             |      |             |      |
| Moisture Drain Connection                             | .375" NPT mm / .375" NPT |     |      |             |      |             |      |             |      |
| <b>Dimensions and Weights with Enclosure (crated)</b> |                          |     |      |             |      |             |      |             |      |
| Length (in)   | 60 (67)                  |     |      | 60 (67)     |      | 60 (67)     |      | 60 (67)     |      |
| Width (in)  | 42 (43)                  |     |      | 42 (43)     |      | 42 (43)     |      | 42 (43)     |      |
| Height (in)   | 36 (54)                  |     |      | 36 (54)     |      | 36 (54)     |      | 36 (54)     |      |
| Weight (lb)   | 1385 (1600)              |     |      | 1445 (1660) |      | 1445 (1660) |      | 1475 (1630) |      |
| Discharge Connection (in)                             | .75" NPT / .75" NPT      |     |      |             |      |             |      |             |      |
| Moisture Drain Connection                             | .375" NPT mm / .375" NPT |     |      |             |      |             |      |             |      |

# Specifications for ES-8KT 60Hz

| Series ES-8KT, 60Hz                                      | 15L         | 15H | 20H         | 25H | 30H         |
|--|-------------|-----|-------------|-----|-------------|
| <b>Compressor Performance</b>                            |             |     |             |     |             |
| Full Load Pressure (psig)                                | 100         | 125 | 125         | 125 | 125         |
| Capacity (acfm)  | 65          | 57  | 76          | 94  | 111         |
| Motor (hp)   | 15          | 15  | 20          | 25  | 30          |
| <b>Dimensions and Weights without Enclosure (crated)</b> |             |     |             |     |             |
| Length (in)  | 49 (67)     |     | 51 (67)     |     | 51 (67)     |
| Width (in)   | 34 (43)     |     | 34 (43)     |     | 34 (43)     |
| Height (in)  | 30 (46)     |     | 30 (46)     |     | 30 (46)     |
| Weight (lb)  | 1055 (1270) |     | 1115 (1330) |     | 1145 (1360) |
| Discharge Connection (in)                                | .75" NPT    |     | .75" NPT    |     | .75" NPT    |
| Moisture Drain Connection (in)                           | .375" NPT   |     | .375" NPT   |     | .375" NPT   |
| <b>Dimensions and Weights with Enclosure (crated)</b>    |             |     |             |     |             |
| Length (in)  | 60 (67)     |     | 60 (67)     |     | 60 (67)     |
| Width (in)   | 42 (43)     |     | 42 (43)     |     | 42 (43)     |
| Height (in)  | 36 (54)     |     | 36 (54)     |     | 36 (54)     |
| Weight (lb)  | 1385 (1600) |     | 1445 (1660) |     | 1475 (1630) |
| Discharge Connection (in)                                | .75" NPT    |     | .75" NPT    |     | .75" NPT    |
| Moisture Drain Connection (in)                           | .375" NPT   |     | .375" NPT   |     | .375" NPT   |



This is one of several compressed air products that comprise the Sullair System. The System includes oil-free and lubricated air compressors, dryers, filters and related accessories, designed to deliver peak performance and energy efficiency.



Sullair is pleased to be ISO 9001 certified by Lloyd's Register Quality Company



www.sullair.com

SULLAIR CORPORATION, 3700 E. Michigan Blvd., Michigan City, IN 46360 Telephone: 1-800-367-6737

SIP-1000 Specifications subject to change without notice. © Copyright 2002 Sullair Corporation. All rights reserved. E/7/02/10



Printed on recycled paper.