



# LS-120

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# LS-160

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**BEGIN SAVING MONEY...  
FROM DAY 1.**

Lubricated Rotary Screw  
Air Compressors

40 to 100 hp

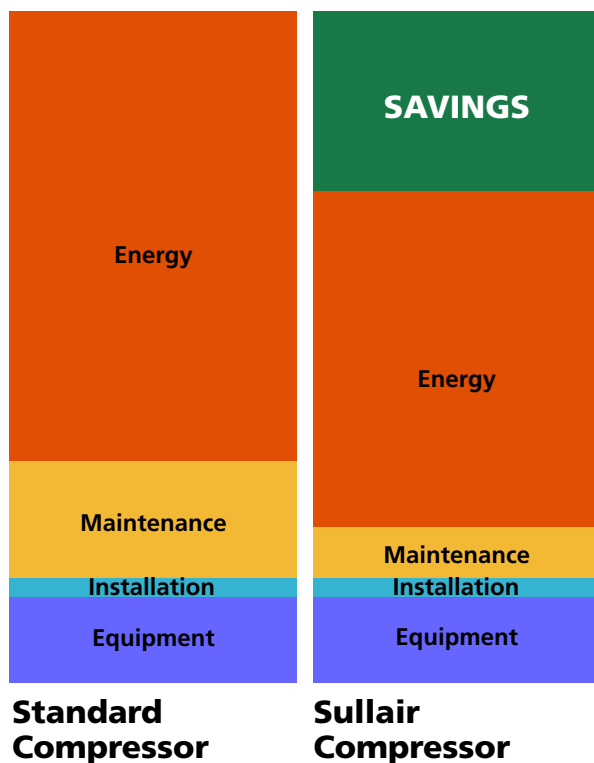


# YOU SAVE MORE BECAUSE SULLAIR GIVES YOU MORE...

## ■ Low Life-Cycle Costs

### Reduced operating costs:

- Less make-up fluid required.
- Long-life components.
- Finer filtration levels.
- Maximum up-time.
- Reduced energy costs.



## ■ Best Warranties in the Business

**Includes non-prorated parts and labor**



**EMERALD  
5-YEAR  
WARRANTY**



**24KT™  
TEN-YEAR  
WARRANTY**



## ■ Longest Compressor Life Expectation

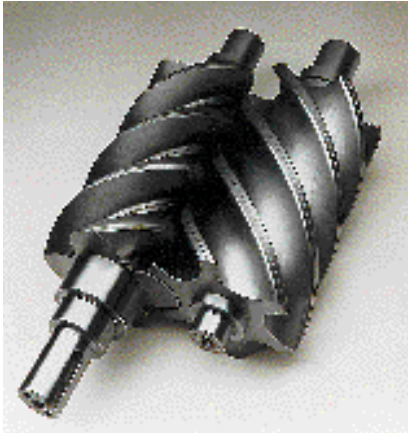
- "Bulletproof" air-end.
- Track record for reliability and durability.
- Oversized cooler extends component life.
- Cooler running premium efficient motor flange mounted to air end.
- Demonstrated 20-30 year design criteria.

## ■ A Concern for the Environment and Safety

- Surpasses regulations for machine operation and operator safety.
- Environmentally friendly fluids. Biodegradable fluid condensate.
- Reduced power consumption.
- Environmentally friendly package.



# A PACKAGE DESIGN THAT'S M



## SULLAIR ROTORS and AIR-END

Rugged, heavy-duty design.  
Time-proven reliability.  
Rotors are precision-ground for high performance.  
Long bearing life.  
5-year and 10-year warranties.



## PREMIUM EFFICIENCY MOTOR

2% better efficiency than EPACT motors.  
Long-life 4-pole motor for quieter operation.  
Flanged-mounted for permanent alignment and reduced maintenance.



## OPTIMALAIR™ INLET FILTER

Finest inlet filtration in the industry. (0.2 to 0.3 microns)  
Keeps fluids clean and extends life of other internal components.  
Reduced pressure drop throughout the operating life resulting in energy savings.

CONT

## INSTRUMENTATION

Time proven, easy-to-read electro-mechanical gauges:  
Differential pressure gauges for separator and air filter.  
Air receiver and line pressure gauges.  
Compressor discharge air/fluid temperature gauge.  
Hour meter.





# MORE THAN A BASIC PACKAGE.

## CONTROLS



### SUPERVISOR™ CONTROLLER (OPTIONAL)

Microprocessor controller. Monitors all system temperatures, pressures and differential pressures.

"Call for service" information. Built-in Troubleshooting Guide. Status of sequenced compressors. Output for remote interface.

### COOLING ALTERNATIVES AVAILABLE AS STANDARD

Air-cooled and water-cooled units.

Chose the most cost-effective cooling method for your environment.

### FIBERGLASS FLUID FILTER

More effective than paper elements.

Water resistant.

Protects air-end for longer life.



### OPTIMIZER™ AIR/FLUID SEPARATION

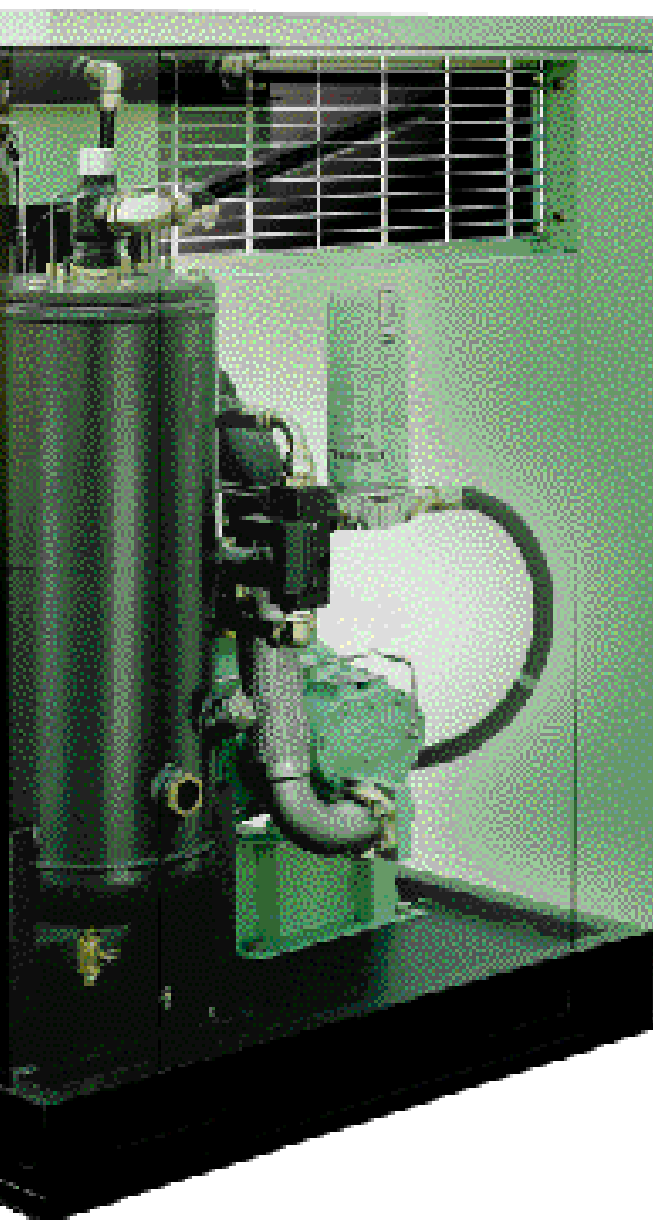
High quality of air.

Fluid carry-over limited to 1 part per million (ppm) by weight.

Reduced pressure drop throughout operation.

Saves power throughout the life of the filter.

Reduced maintenance cost.



## Standard features and options

Direct Coupled with Non-Lubricated Coupling	●
Flange-Mounted Drive Train	●
Premium Efficient Motor	●
Highly Efficient Air/Fluid Separation—MSS	●
Spin-On Fiberglass Fluid Filter	●
Built-In Aftercooler with Moisture Separator and condensate drain.	●
Optimalair Inlet Air Filter	●
Sullube™ 8000 Hour Compressor Fluid	●
Sound-Attenuating Enclosure	●
Open Model	●
Emerald 5-year Health Assurance	●
Electro-Mechanical Controls	●
Air-Cooled	●
Bearing Fluid Reservoir—BFR	●
Sullair's Versatile Control System—VCS	●
24KT™ (10-Year Air-End Warranty)	●
Cold Weather Package	●
Water-Cooled	●
Supervisor Controller	●

● = Standard    ● = Option

# Specifications

## LS-120, 60 HZ

### Compressor Performance

Model	40L	40H	40HH	50L	50H	50HH	50XH	60H	60HH	60XH
Capacity (acfm)	199	183	166	245	221	197	180	264	243	218
Full Load Pressure (psig)	100	125	150	100	125	150	175	125	150	175
Motor (hp)	40	40	40	50	50	50	50	60	60	60

### Dimensions and Weight (Enclosure) Air-Cooled

Length (in)	72 (72)			72 (72)			72 (72)			
Width (in)	48 (48)			48 (48)			48 (48)			
Height (in)	60 (62.5)			60 (62.5)			60 (62.5)			
Weight (lb)	2270 (2660)			2300 (2690)			2500 (2890)			

## LS-160, 60 HZ

### Compressor Performance

Model	60L	60H	60HH	75L	75H	75HH	75XH	100L	100H
Capacity (acfm)	304	262	235	377	346	298	278	489	447
Full Load Pressure (psig)	100	125	150	100	125	150	175	100	125
Motor (hp)	60	60	60	75	75	75	75	100	100

### Dimensions and Weight (Enclosure) Air-Cooled

Length (in)	72 (72)			72 (72)			72 (78)			
Width (in)	48 (48)			48 (48)			48 (48)			
Height (in)	60 (62.5)			60 (62.5)			59 (62.3)			
Weight (lb)	2690 (3180)			2720 (3210)			2740 (3410)			

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

All compressors tested at full operating pressure to meet the CAGI/PNEUROP standard.

## MAXIMIZE YOUR COMPRESSED AIR SYSTEM



This compressor is one of several compressed air products that comprise the Sullair System. The System includes oil-free and lubricated compressors, compressed air dryers, filters and other related contaminant-removal accessories working together to deliver superior performance and energy efficiency.



**Moisture Removal**



**Particulate Removal**



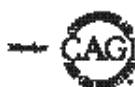
**Condensate Separation**



**Condensation Removal**



To help compressed air users reduce their energy costs and improve their productivity, Sullair offers AirMetrix solutions to analyze, manage and control total compressed air systems. AirMetrix solutions include: energy efficiency products, compressed air system controls, monitoring and management systems, air distribution products, and air system audits.



[www.sullair.com](http://www.sullair.com)

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