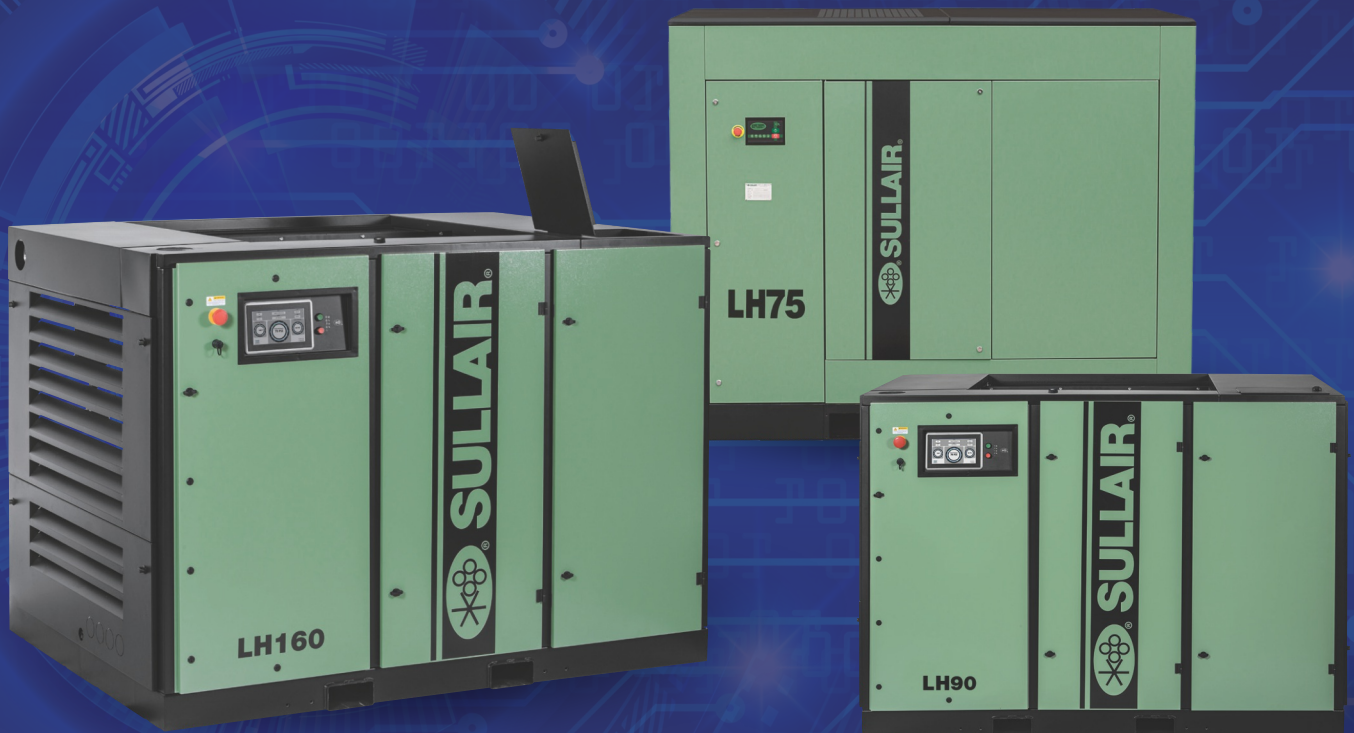


## LH High-Efficiency Series

High-Efficiency Stationary Oil Flooded Screw  
Air Compressor (22-160 kW, 7.5-12.6 bar(g))



## About Sullair

Since 1965, Sullair has been leading innovation in the field of screw compression and vacuum technology. With more than 50 years of experience, we have made a new round of innovation in this field. Sullair adopts the most advanced technology, equipment and production processes to provide customers with the best air compressors and vacuum equipment to meet the most demanding requirements of customers. Sullair has a first-class screw rotor design, which leads the industry trend in this field.



## 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 compressors are in it for the long haul, driven by the design of the legendary Air End. In factories and on job sites all over the world, you will find Sullair compressors standing the test of time, running consistently today like they did on day one.

## High Performance

You have high expectations for your operations, and we make machines that share your work ethic. Sullair compressors 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.

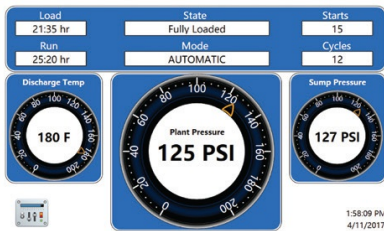


# Key Product Features and Indicators that bring You Better Performance

## Key Features

### 1 Electronic Control System

- 10" Touch Screen for LH90-160 only.
- Yaskawa as standard VSD to interface with 10" STS controller (LH90-160).
- The electronic control system from International brand -Schneider Electric with high reliability.
- The controller offer standard English and Chinese language, with temperature and pressure display in real time and alarm function.



### 2 Air End

- Sullair patented Air End designed, engineered and manufactured in the USA.
- Large rotor, low speed design, low noise, high reliability and durability.
- Proven reliable bearing design to extend bearing life (up to 100,000 hours) and reduce on maintenance cost.
- 5 years warranty will be provided for the screw Air End.
- The exclusive Sullair Diamond Warranty for 10 years on Air Ends are optional. (With using 24KT Compressor Fluid.)

### 3 Transmission System

Transmission System has a robust design of the gear plus coupling. The use of the coupling increase the operational reliability of the transmission system, avoids the large radial force and axial force brought by the helical gear transmission, protects the motor bearing and compressor bearing. This will significantly prolongs the life span of the transmission system.

### 5 Fluid Piping System

- Optimized fluid piping system with reduce pressure drop.
- The LH Series are package with Sullube®, that can provide excellent performance. Even at high temperature there is no coking, 8,000 hours operation life, it helps customer to reduce maintenance cost.

You can choose the exclusive Sullair Air End with 10 Years Diamond Warranty.



Maintaining the Sullair 10-Year Diamond Warranty requires using Genuine Sullair parts and 24KT® Compressor Fluid. Restrictions apply.

### 4 Filtration System

- Sullair Optima Air® Air Filter provide 99.9% efficiency per ISO5011, cleaner air intake and extend component life.
- Large capacity fluid/air tank, optimize the efficiency of pre separation, so as to improve the actual service life of fluid separator.
- Dual nested Optimizer TM separator elements (45 - 160 kW, reduce fluid carryover to a maximum of 2 ppm and extend service life up to 8,000 hours (under normal operating circumstance).

### 6 Cooling System

- LH Series installed with centrifugal fan provide high efficiency and lower noise (22-75 kW only).
- With large area cover by fluid cooler. The centrifugal fan can provide large surplus cooling, even working on the worst condition (22-75 kW only).



## 7 Motor

- LH Series offered with IP55 enclosed high efficiency motor ( for fixed speed).
- Offer with 1E3 high efficiency.
- Heavy duty designed low speed motors, which have longer bearing life than high speed motors.
- WEG is standard motor for 50 Hz.
- Class F insulation (Class Braise) B raise motor allow more then 50% life time vs fraise.
- Optional with IE4 efficiency motor.

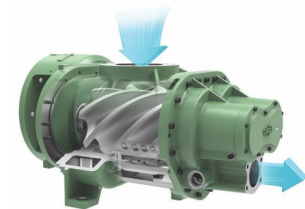
### Key Product Features and Indicators that bring You Better Performance (Features and Benefits )

- LH Series comes with Sullair's patented high efficiency rotary screw Air End, which improves the energy efficiency, provide strong durability and high reliability. We provide 5 years warranty with Sullair Air End.
- The LH Series package with IP55 IE3 motor as standard, that can bring energy efficiency and the cost saving to our customer (optional Ie4).
- LH Series are low noise designed , due to the unit is equipped with a centrifugal fan as a standard configuration, which not only provides a surplus cooling air flow, but also reduced the noise level by 2-3dB of the whole machine (22-75 kW only).
- LH Series 45-160 kW supplied with two stage fluid separation system with special filter material and equipped with large capacity oil-air tank, further optimizing its separation capacity and reducing the oil carry over (Less than 2ppm).
- The full range LH Series are equipped with Sullube, even at high temperature there is no coking, 8,000 hours operation life, it helps customer to reduce maintenance cost.

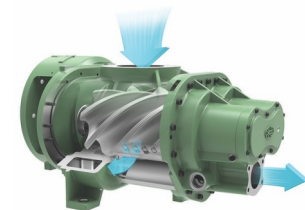
### Electronic Spiral Valve (Optional only for LH75-160)

#### Sullair Spiral Valve Benefits

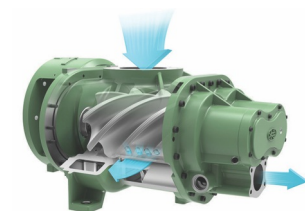
- Compressor with electronic spiral valve feature a variable displacement Air End. Compression volume is varied to suit air demand by progressively opening or closing internal bypass ports on the Air End. And compression chamber Closed bypass ports utilize the entire length of the rotor.
- Capacity is matched to system demand - prevent the wastage of air.
- Up to 55% turndown capability with electronic spiral valve.
- As compared to other compressors using suction throttling, or load / no load control, power saving up to 10% at part load conditions.
- 55 kW with mechanical spiral valve.



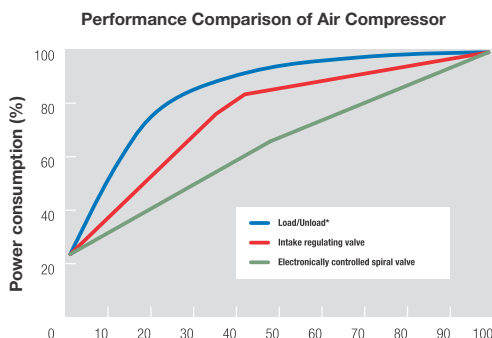
The spiral valve is closed and the air volume is compressed by 100%



The spiral valve is partially opened, the effective compression length of the rotor is reduced, and only a part of the intake air volume is compressed the energy consumption is reduced



The spiral valve is fully opened, further reducing the effective compression length of the rotor, and the minimum amount of in take air is compressed the energy consumption is further reduced



The main cost to operate an air compressor is energy costs. The saving of the energy cost can recover from the initial air compressor investment. Effectively matching compressor production capacity with sprial valves to facilitate your needs and also the best way to save both energy and money.



# Technical Specifications

## ■ LH 22-75 & 132 - 160 kW Air Compressor

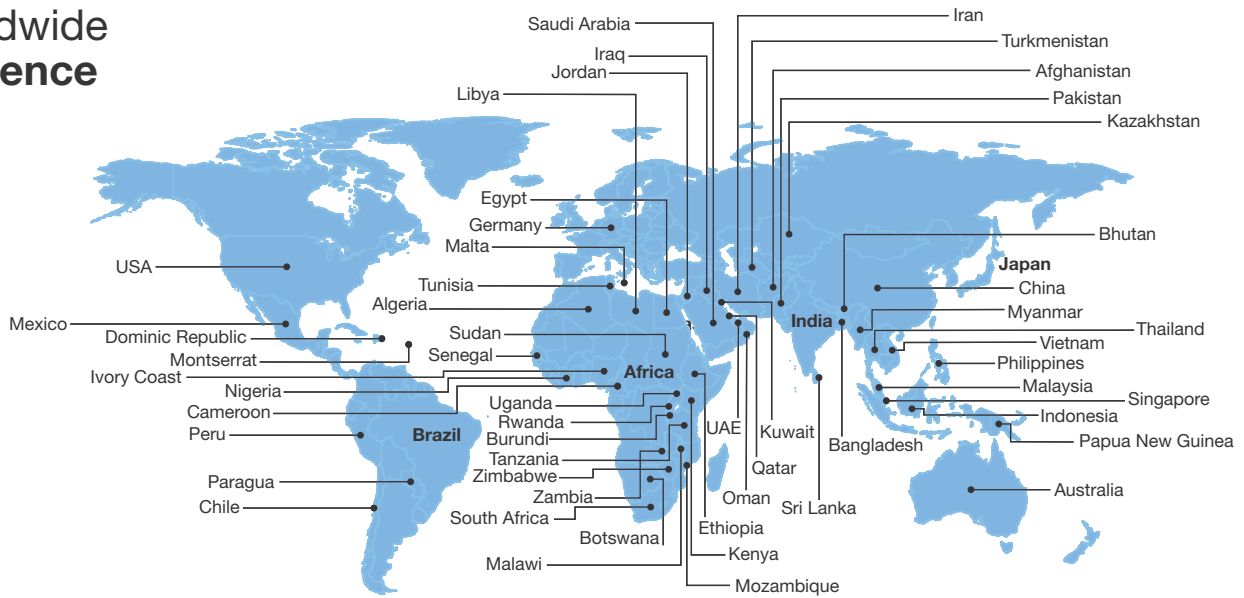
Compressor Model	kW	Maximum Pressure bar(g)	Air Discharge m3/min	CFM	Unit Weight kg	Unit Size LxWxH mm	Air Discharge Size	Noise @ 1 Meter
LH-22	22	7.6	4.2	148	1050	1602 X 860 X 1450	Rc 1	68
		8.6	4	141				
		10.6	3.7	131				
		12	3.3	117				
LH-30	30	7.6	5.9	208	1100	1602 X 860 X 1450	Rc 1-1/2	75
		8.6	5.6	198				
		10.6	4.9	173				
		12	4.2	148				
LH-37	37	7.6	6.9	244	1150	1602 X 860 X 1450	Rc 1-1/2	75
		8.6	6.4	226				
		10.6	5.9	208				
		12	5.1	180				
LH-45	45	7.6	8.6	304	1420	2150 X 1200 X 1730	Rc2	75
		8.6	7.9	279				
		10.6	7	247				
		12	5.7	201				
LH-55	55	7.6	11.2	395	1680	2150 X 1200 X 1730	Rc2	73
		8.6	10	353				
		10.6	8.6	304				
		12	7.6	268				
LH-75	75	7.6	15	530	2400	2500 X 1500 X 2027	Rc2	73
		8.6	14	494				
		10.6	12.4	438				
		12	10.8	381				

## ■ LH 132 - 160 kW Air Compressor

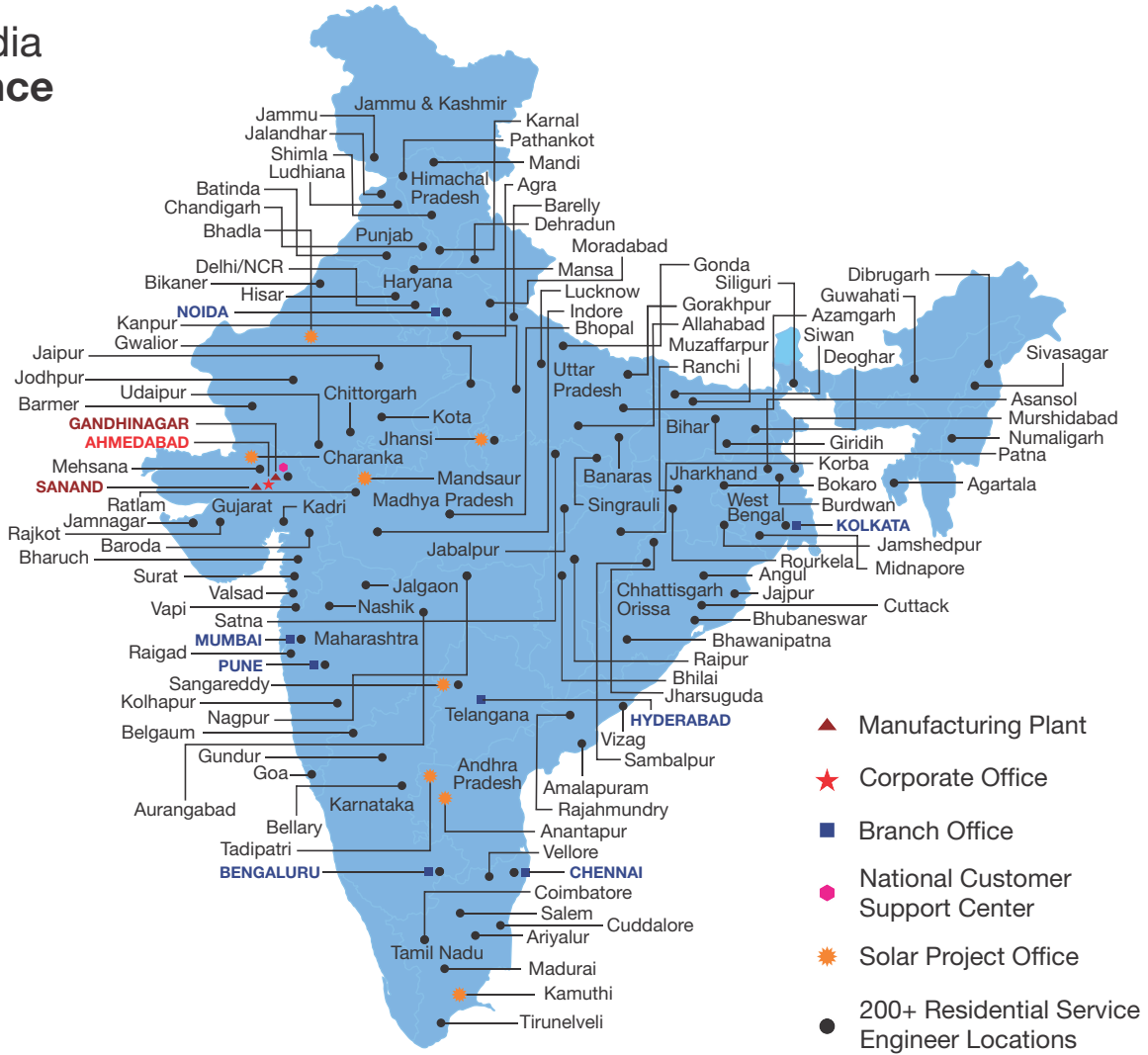
LH-132	132	7.6	27.2	955	3600	3150 X 2000 X 1880	NPT 3"	78
		8.6	25.3	889				
		10.6	23	808				
LH-160	160	7.6	32	1124	3750	3150 X 2000 X 1880	NPT 3"	76
		8.6	30.5	1071				
		10.6	27.3	959				

Note : Spiral Valve and VSD Option Available, Contact Sales Team

# Worldwide Presence



# Pan India Presence



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In the spirit of innovation, specifications and features are subject to change without notice.



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