

USA Based  
from 2010

Proposal Reference: SBAE/123  
Date: 25-11-2022



OFFER FOR FS-CURTIS SCREW AIR COMPRESSOR NxV-75 & NxV- 75 (75 KW)

2025 yrs

895 yrs

2025 yrs

| Sr. | Description   | Qty. | Unit Rate       | Discount Rate (35%)                             |
|-----|---|------|-----------------|---|
| 1   | FS Curtis Make Lubricated Screw Air Compressors<br>Model : NxV-75(100 HP) , Working Pressure @ 7.5 KG,<br>Capacity-148~494 CFM (VARIABLE SPEED DRIVE)<br>Base mounted Air Compressor in Acoustic Canopy with<br>standard fittings | 1Nos | Rs. 24,98,000/- | Rs. 16,23,700/-<br>Rs. 14,15,500/-              |
|     | 08080702 → 12 to 14 weeks   |      |                 |   |
| 2   | FS Curtis Make Lubricated Screw Air Compressors<br>Model : NxV-37(50 HP) , Working Pressure @ 7.5 KG,<br>Capacity-233 CFM<br>Base mounted Air Compressor in Acoustic Canopy with<br>standard fittings                             | 1Nos | Rs. 8,40,000/-  | Rs. 5,46,000/-<br>Rs. 5,60,650/-                |
|     | → Ready Stock.  |      |                 |   |
| 3   | FS Curtis Make Lubricated Screw Air Compressors<br>Model : NxV-75(100 HP) , Pressure @ 7.5 KG, Capacity-<br>494CFM<br>Base mounted Air Compressor in Acoustic Canopy with<br>standard fittings                                    | 1Nos | Rs.20,85,000 /- | Rs.13,85,250/-<br>Rs. 11,83,000/-               |
|     | 06680389 → 12 to 14 weeks   |      |                 |   |
| 4   | REFRIGENT AIR DRYER<br>Model.- CR-1000<br>Capacity-1000 CFM   | 1Nos | RS. 8,20,000/-  | RS. 5,33,000/-<br>Rs. 3,99,000/-                |
|     | → 2 weeks   |      |                 |   |
| 5   | REFRIGENT AIR DRYER<br>Model.- CR-650<br>Capacity-650 CFM   | 1Nos | RS. 5,98,000/-  | RS. 3,88,700/-<br>Rs. 2,91,750/-                |
|     | → 4 weeks   |      |                 |   |
| 6   | REFRIGENT AIR DRYER<br>Model.- CR-500<br>Capacity-500 CFM   | 1Nos | RS. 5,35,000/-  | RS. 3,47,750/-<br>Rs. 2,67,000/-                |
|     | → 4 weeks   |      |                 |   |
| 7   | PRE FILTER      2. FINE FILTER      3. CORBOWN FILTER<br>FFA125U            FFA125 H            FFA125C<br>Capacity-616CFM    Capacity-616CFM    Capacity-616CFM  | 6Nos | RS.60,000       | RS. 39,000 X 6<br>=2,34,000/-<br>Rs. 2,99,000/- |
|     | (PER FILTER PRICE RS. - 39000 X 6 =234000)  |      |                 |   |
| 8   | PRE FILTER      2. FINE FILTER      3. CORBOWN FILTER<br>FFA175U            FFA175 H            FFA175C<br>Capacity-900~1000CFM   | 3Nos | RS.74,000       | RS. 48,100 X 3<br>=1,44,300/-<br>Rs. 3,22,000/- |
|     | (PER FILTER PRICE RS. - 48100 X 3=1,44,300)   |      |                 |   |

5 years

one for

cons

FS Compressors India Pvt. Ltd.,  
Plot No- S3, Chakan MIDC Industrial Area,  
Phase II, Savardari, Khed, Pune- 410 501, Maharashtra

Discussed with  
Mr. Sachin Singh of PSUBIS  
Mr. B L Saini of BBAIR and  
cycles of above  
dates.  
23/12/22

Proposal Reference: SBAE/123  
Date: 25-11-2022



FREIGHT EXTRA PUNE TO YOUR WORKS

General Terms & Conditions

Taxes & Duties: The above prices are Ex Works, ~~PUNE/EX-warehouse~~ IN India. - FOR-IAL, BWD

GST: Extra as applicable. 18%   
 12 to 14 weeks.

Delivery: With In 14-16 Weeks, Pune from the date of receipt of your technically and commercially clear Purchase Order along with advance. The delivery period stated herein is the standard lead time subject to change time to time. Deliveries for the bulk orders shall be discussed separately.

Packing Forwarding Freight & Transit insurance charges: Packing and forwarding is charged @ 2% of basic order value, Freight & Transit Insurance charges and duties if any thereof, shall be directly paid by you to freight forwarder or vendor.   
 Inclusive

Warranty: 12 months from the date of commissioning or 18 months from the date of dispatch or 4000 running hours, whichever is earlier for the Equipment supply only.   
 5 year warranty.

Our Liability Under This Warranty Is Expressly Limited To Repairing Or Replacing At Our Option And Components/Parts, Which Upon Inspection Found To Be Defective. This Warranty Does Not Cover Normal Wear And Tear And/Or Any Damage That May Be Caused Due To Misuse Or Mishandling And/Or Negligence In Operation And/Or Maintenance.

Payment terms: ~~30% non-refundable advance~~ along with technically and commercially clear Purchase Order, balance with 100% applicable taxes & duties against proforma invoice, at least 27 days prior to dispatch.   
 90% Basic + 100% GST within 7 days from the date of receipt of material.

Validity: This offer shall be valid for a period of 30 days; the validity can be extended with our written consent.

Usage: Our products are not to be sold, installed, commissioned or used in any manner in any country, by any organization and/or person listed in the United States sanctions list as available in <https://sanctionssearch.ofac.treas.gov/>   
 10% after within 30 days subject to submission of PBG valid for one year from the date of commissioning or within 30 days of receipt of compressors.

In case you need any further clarifications please feel free to contact us.

Assuring you of our best support and services.

**AUTHORISED DEALER.**

For S B AIR ENGINEERS SERVICES, BHIWADI

SANDEEP KUMAR

Sales Engineer

Mobile: +91-9785325857, 9414240322

[salesbairengineers@gmail.com](mailto:salesbairengineers@gmail.com)

Erection and commissioning supervision included in above price.

AMC Charges: 75 KW - 19500/- Per Year  
37 KW - 17500/- Per Year

FS Compressors India Pvt. Ltd.,

Plot No- 53, Chakan MIDC Industrial Area,

Phase II, Savardari, Khed, Pune- 410 501, Maharashtra

→ NO of Visit - 12 calls

→ Any NO of BD calls.

Payment: on every quarterly within 7 days after submission of bill.

## TECHNICAL DATA – NXD37-A100



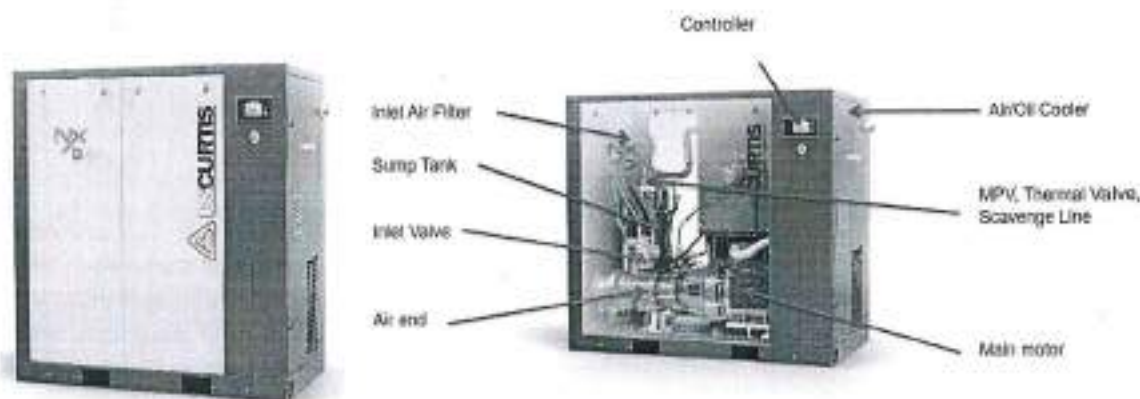
### Specifications of Oil Injected Screw Compressor

#### Technical Data:

|                         |   |                                 |
|-------------------------|---|---------------------------------|
| • Free Air Delivery     | - | <u>233 CFM</u>                  |
| • Working Pressure      | - | 7 Bar                           |
| • Nominal Motor Power   | - | 37 KW                           |
| • Motor Class           | - | IE3                             |
| • Starter               | - | Star-Delta                      |
| • Electrical Connection | - | 3Phase, 400V +/-10%, 50Hz +/-5% |
| • Sound Level           | - | 75 dB(A)                        |
| • Dimension             | - | 1350 x 940 x 1680 mm            |
| • Weight                | - | 895 Kg                          |

#### Compressor:

- One Single Stage, Rotary Screw Element Complete With:-
- Dry Paper Type Suction Air Filter ; Conveniently Located For Easy Replacement Of Filter Element
- Un-loader With Integrated Regulating Valve For Load/Unload Control System ; Simple Design With Only One Moving Part, Needs No Regular Adjustments
- Two-Way Solenoid Valve Required For Load/Unload Regulation Of The Compressor
- Air / Oil Temperature Sensor To Sense element outlet temperature and To Shut Down The Compressor In Case Of High Element Outlet Air Temperature



(Product image shown are representative and may not match exactly with the actual product)

#### Screw Element:

- Exclusive FS-Curtis Air-End Feature The Latest Rotor Profile (5:6) To Maximize Efficiency.
- Optimize The Operating Temperature, To Ensure Better Life Of Consumables & Air End.

## TECHNICAL DATA – Nx D37-A100

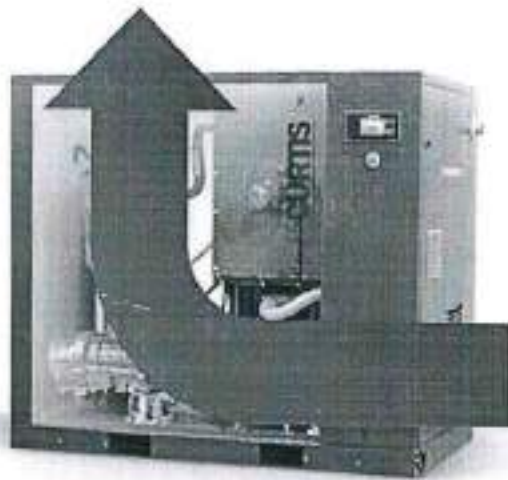


### Air Oil Receiver Tank Consisting Of;

- Oil Sight Glass For Oil Level And Oil Filling Arrangement
- Minimum Pressure Valve To Close Off The Compressor When The Unit Is Stopped Or Running Unloaded And To Maintain Required Air Pressure In The System For Proper Oil Lubrication.
- Safety Valve
- Gauge For Air Oil Receiver Pressure, Oil Draining Arrangement
- Three Stage Air Oil Separation System
  - First By Cyclonic Action (Centrifugal),
  - Second By Gravitational (Heavier Particles Separate Down),
  - Third By Passing Through Coalescent Filter

### Air & Oil Cooler Assembly

- Air & Oil Cooler Are Independent & Compact Block Coolers Of Aluminum For:-
  - Optimum Heat Transfer
  - Lower Pressure Drop
  - Lower Weight.
  - Suitable for 50° C
- After Cooler Reduces The Temperature Of Outlet Air To Approximately To 15° C Above Ambient Temperature.
- Oil Filter (Spin on type) Mounted On Air Oil Manifold Block For Filtration Of Lubricating Oil
- Thermostatic Valve To Regulate Oil Temperature Within The System.  
Cooling Fan With Fan Motor For More Effective Cooling.



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### Motor

- Squirrel Cage Induction Motor With TEFC IP 55 Enclosure, Class F Insulation, Suitable For 50° C Ambient Temperature And 400 +/- 10% Volts, 3phase, 50 +/- 5% Hz Supply
- Motor Non drive end bearings greased for life.

## TECHNICAL DATA – NxD37-A100



### Power And Control Panel

Power Panel Incorporating;

- Suitable Star-Delta Starter With Contactors, CTs, Etc.
- Single Phasing Preventer Ensures Safety Of Compressor By Tripping In Case Of Single Phasing & Phase Sequence Relay to avoid Reverse Rotation
- Emergency Stop Button

### Drive Arrangement

- Direct Driven Compressor,
- Less Maintenance
- Longer Life

### Control Panel



- **SC3000 Standard** Is An Indigenously designed controller developed by FSCURTIS. It is an Electronic Microprocessor For Controlling, Protecting and Monitoring of Screw Air Compressors.
- **SC3000 Standard** Offers Several Functions viz:
  - Load-Unload Control
  - Narrow Pressure Band
  - Programmable Start Stop
  - Delayed Second Stop
  - Multi-logic Control
  - Multi-mode Control (Local / Remote / RS485)
  - Intelligent Shutdown Protection
  - Pre- Warning Indication
  - Automatic restart after power failure
  - VFD Compatible controller
  - Error History

- **Keys**
  - Start
  - Stop
  - Set
  - Return
  - Navigation (3 Keys)
- **Luminous Indication**
  - Running
  - Warning
- **LCD Display**
  - Operational status at a given instance
  - Maintenance Messages (Alarms & Faults)
  - Setting Parameters of the Compressor
- **Compressor Warning & Shutdown Indications**
  - Emergency Stop
  - Element Outlet Temperature
  - Main Motor Overload
  - Fan Motor Overload
  - Phase Sequence
  - Reverse Rotation
  - General Faults Indication
- The **SC3000** Compressor Management Software Allows Considerable Reduction In Electricity Consumption
- New Controller is more efficient - it keeps track of the time since the last stop occurred(Intelligent Unload Cycles )
- The result is that the machine can simply stop rather than unload, eliminating several minutes of unloaded running.
- **Extra Advantage**
  - Controller unloads rather than stops the machine if the pressure is dropping fast.
  - Controller can predict the time until the minimum pressure limit is reached once the machine has stopped.
  - Compressor restarts soon enough to ensure that the system pressure never drops below the desired minimum.
  - Inbuilt option to view System pr. (If Pressure transmitter is fitted on air oil separator) (Pressure Transmitter & DP will be Provided with an extra cost)
  - Machine will trip if there is a pressure difference more than 1.2bar(Default value) between System pressure and the pressure after MPV
  - LED light glows in case if any service period expired
  - Inverter can be controlled

## TECHNICAL DATA – Nx D37-A100



### Acoustic Canopy:

- Compressor Package Is Enclosed In A Anticorrosive Powder Coated Acoustic Canopy With Sound Absorbing Material For Limiting The Noise Level.
- Canopy Is Pressurized Ensuring No Pressure Drop At Suction Filter And Avoids Entry For Dust Particles In The Element
- Anti-Vibration Mounts Support Electric Motor And Compressor Unit And Isolate The Moving Components From Rest Of The Structure, Thereby Reduces Sound Level And Avoids Need For Anchoring The Machine On Floor.

### Pre-filter Panel:

- Suitably Sized Pre-filtering Arrangement For The Air Entering The Canopy Of Compressor Unit.
- Easily Removable For Cleaning Purpose.

### Ready To Commission Compressor Unit:

- Air Compressor Unit Can Be Put Directly On The Industrial Floor And Is Provided With First Fill Of Oil.

\* Due to continuous engineering improvements, features are subject to change without prior notice.

## TECHNICAL DATA – Nx D75-A100



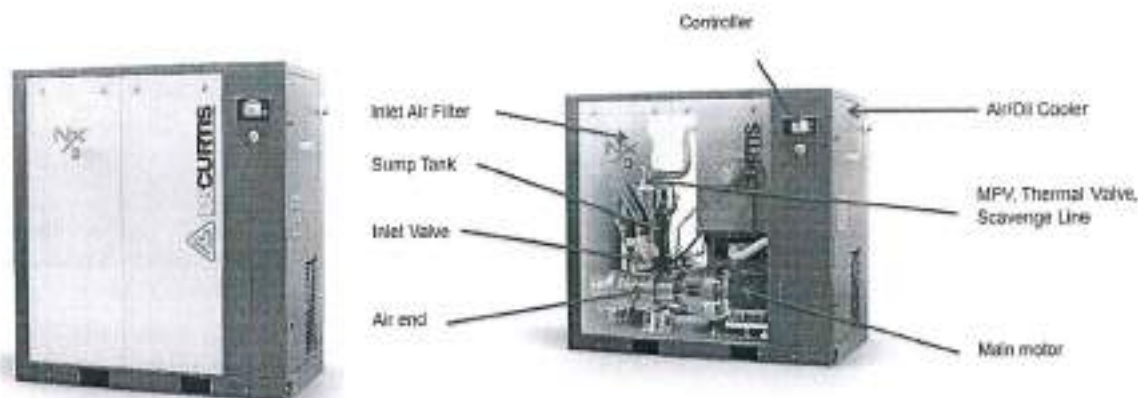
### Specifications of Oil Injected Screw Compressor

#### Technical Data:

|                         |   |                                 |
|-------------------------|---|---------------------------------|
| • Free Air Delivery     | - | 494 CFM                         |
| • Working Pressure      | - | 7 Bar                           |
| • Nominal Motor Power   | - | 75 KW                           |
| • Motor Class           | - | IE3                             |
| • Starter               | - | Star-Delta                      |
| • Electrical Connection | - | 3Phase, 400V +/-10%, 50Hz +/-5% |
| • Sound Level           | - | 76 dB(A)                        |
| • Dimension             | - | 2180 x 1330 x 1850 mm           |
| • Weight                | - | 2025 Kg                         |

#### Compressor:

- One Single Stage, Rotary Screw Element Complete With:-
- Dry Paper Type Suction Air Filter ; Conveniently Located For Easy Replacement Of Filter Element
- Un-loader With Integrated Regulating Valve For Load/Unload Control System ; Simple Design With Only One Moving Part, Needs No Regular Adjustments
- Two-Way Solenoid Valve Required For Load/Unload Regulation Of The Compressor
- Air / Oil Temperature Sensor To Sense element outlet temperature and To Shut Down The Compressor In Case Of High Element Outlet Air Temperature



[Product image shown are representative and may not match exactly with the actual product]

#### Screw Element:

- Exclusive FS-Curtis Air-End Feature The Latest Rotor Profile (5:6) To Maximize Efficiency.
- Optimize The Operating Temperature, To Ensure Better Life Of Consumables & Air End.



## TECHNICAL DATA – Nx75-A100



### Air Oil Receiver Tank Consisting Of;

- Oil Sight Glass For Oil Level And Oil Filling Arrangement
- Minimum Pressure Valve To Close Off The Compressor When The Unit Is Stopped Or Running Unloaded And To Maintain Required Air Pressure In The System For Proper Oil Lubrication.
- Safety Valve
- Gauge For Air Oil Receiver Pressure, Oil Draining Arrangement
- Three Stage Air Oil Separation System
  - First By Cyclonic Action (Centrifugal),
  - Second By Gravitational (Heavier Particles Separate Down),
  - Third By Passing Through Coalescent Filter

### Air & Oil Cooler Assembly

- Air & Oil Cooler Are Independent & Compact Block Coolers Of Aluminum For:-
  - Optimum Heat Transfer
  - Lower Pressure Drop
  - Lower Weight.
  - Suitable for 50<sup>o</sup> C
- After Cooler Reduces The Temperature Of Outlet Air To Approximately To 15<sup>o</sup> C Above Ambient Temperature.
- Oil Filter (Spin on type) Mounted On Air Oil Manifold Block For Filtration Of Lubricating Oil
- Thermostatic Valve To Regulate Oil Temperature Within The System.  
Cooling Fan With Fan Motor For More Effective Cooling.



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### Motor

- Squirrel Cage Induction Motor With TEFC IP 55 Enclosure, Class F Insulation, Suitable For 50<sup>o</sup> C Ambient Temperature And 400 +/- 10% Volts, 3phase, 50 +/- 5% Hz Supply
- Motor Non drive end bearings greased for life.

## TECHNICAL DATA – Nx D75-A100



### Power And Control Panel

Power Panel Incorporating;

- Suitable Star-Delta Starter With Contactors, CTs, Etc.
- Single Phasing Preventer Ensures Safety Of Compressor By Tripping In Case Of Single Phasing & Phase Sequence Relay to avoid Reverse Rotation
- Emergency Stop Button

### Drive Arrangement

- Direct Driven Compressor,
- Less Maintenance
- Longer Life

### Control Panel



- **SC3000 Standard** Is An Indigenously designed controller developed by FSCURTIS. It is an Electronic Microprocessor For Controlling, Protecting and Monitoring of Screw Air Compressors.
- **SC3000 Standard** Offers Several Functions viz:
  - Load-Unload Control
  - Narrow Pressure Band
  - Programmable Start Stop
  - Delayed Second Stop
  - Multi-logic Control
  - Multi-mode Control (Local / Remote / RS485)
  - Intelligent Shutdown Protection
  - Pre- Warning Indication
  - Automatic restart after power failure
  - VFD Compatible controller
  - Error History

## TECHNICAL DATA – Nx75-A100



- **Keys**
  - Start
  - Stop
  - Set
  - Return
  - Navigation (3 Keys)
  
- **Luminous Indication**
  - Running
  - Warning
  
- **LCD Display**
  - Operational status at a given instance
  - Maintenance Messages (Alarms & Faults)
  - Setting Parameters of the Compressor
  
- **Compressor Warning & Shutdown Indications**
  - Emergency Stop
  - Element Outlet Temperature
  - Main Motor Overload
  - Fan Motor Overload
  - Phase Sequence
  - Reverse Rotation
  - General Faults Indication
  
- The **SC3000** Compressor Management Software Allows Considerable Reduction In Electricity Consumption
- New Controller is more efficient - it keeps track of the time since the last stop occurred(Intelligent Unload Cycles )
- The result is that the machine can simply stop rather than unload, eliminating several minutes of unloaded running.
  
- **Extra Advantage**
  - Controller unloads rather than stops the machine if the pressure is dropping fast.
  - Controller can predict the time until the minimum pressure limit is reached once the machine has stopped.
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  - Inbuilt option to view System pr. (If Pressure transmitter is fitted on air oil separator) (Pressure Transmitter & DP will be Provided with an extra cost)
  - Machine will trip if there is a pressure difference more than 1.2bar(Default value) between System pressure and the pressure after MPV
  - LED light glows in case if any service period expired
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## TECHNICAL DATA – Nx75-A100



### Acoustic Canopy:

- Compressor Package Is Enclosed In A Anticorrosive Powder Coated Acoustic Canopy With Sound Absorbing Material For Limiting The Noise Level.
- Canopy Is Pressurized Ensuring No Pressure Drop At Suction Filter And Avoids Entry For Dust Particles In The Element
- Anti-Vibration Mounts Support Electric Motor And Compressor Unit And Isolate The Moving Components From Rest Of The Structure, Thereby Reduces Sound Level And Avoids Need For Anchoring The Machine On Floor.

### Pre-filter Panel:

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# TECHNICAL DATA – NxV75-A100



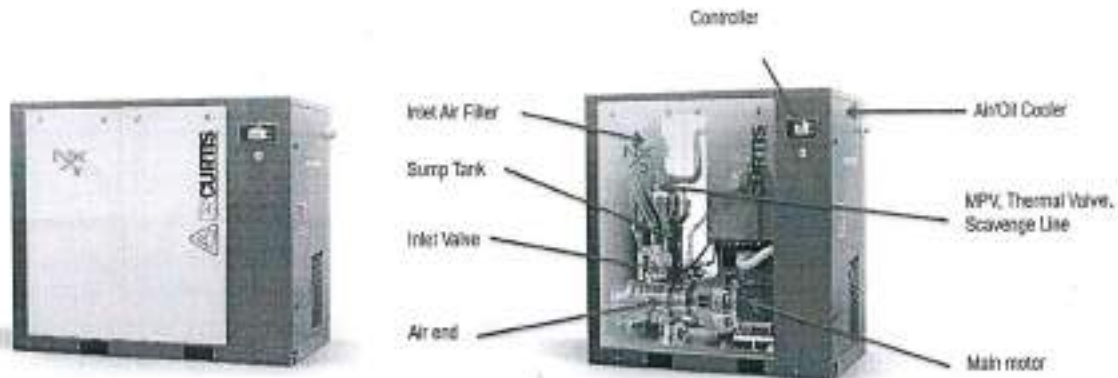
## Specifications of Oil Injected VFD Screw Compressor

### Technical Data:

|                         |   |                               |
|-------------------------|---|-------------------------------|
| • Free Air Delivery     | - | 148-494 CFM                   |
| • Working Pressure      | - | 7 Bar                         |
| • Nominal Motor Power   | - | 75 KW                         |
| • Motor Class           | - | IE2                           |
| • Starter               | - | VFD                           |
| • Electrical Connection | - | 3Phase,400V +/-10%,50Hz +/-5% |
| • Sound Level           | - | 74 dB(A)                      |
| • Dimension             | - | 2180 x 1330 x 1850 mm         |
| • Weight                | - | 2025 Kg                       |

### Compressor:

- One Single Stage, Rotary Screw Element Complete With:-
- Dry Paper Type Suction Air Filter ; Conveniently Located For Easy Replacement Of Filter Element
- Un-loader With Integrated Regulating Valve For Load/Unload Control System ; Simple Design With Only One Moving Part, Needs No Regular Adjustments
- Two-Way Solenoid Valve Required For Load/Unload Regulation Of The Compressor
- Air / Oil Temperature Sensor To Sense element outlet temperature and To Shut Down The Compressor In Case Of High Element Outlet Air Temperature



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### Screw Element:

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**FS Compressors India Pvt. Ltd.**  
Plot no S-3, Chakan MIDC Industrial Area,  
Phase – II, Savardari, Pune 410501, Maharashtra

## TECHNICAL DATA – NxV75-A100

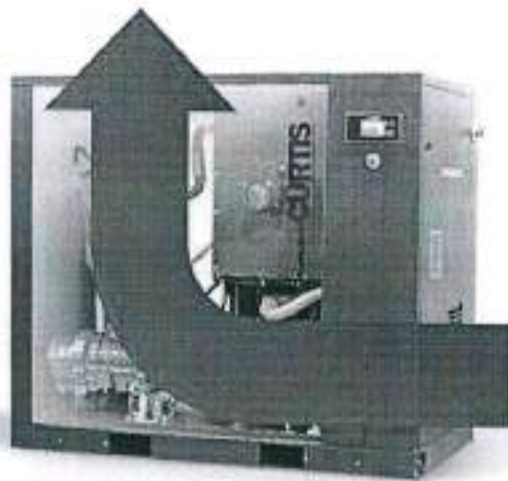


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### Air & Oil Cooler Assembly

- Air & Oil Cooler Are Independent & Compact Block Coolers Of Aluminum For:-
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### Motor

- Squirrel Cage Induction Motor With TEFC IP 55 Enclosure, Class F Insulation, Suitable For 50° C Ambient Temperature And 400 +/- 10% Volts, 3phase, 50 +/- 5% Hz Supply
- Motor Non drive end bearings greased for life.

# TECHNICAL DATA – NxV75-A100



## Power And Control Panel

Power Panel Incorporating;

- Suitable VFD Starter With Contactors, CTs, Etc.
- Single Phasing Preventer Ensures Safety Of Compressor By Tripping In Case Of Single Phasing & Phase Sequence Relay to avoid Reverse Rotation
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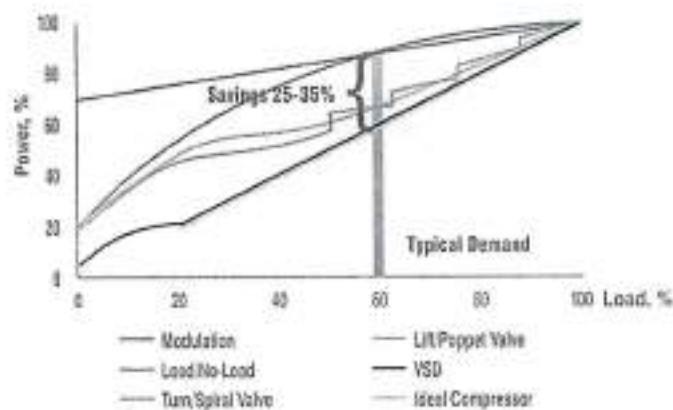
## Advantages of Variable Speed

- The VSD - Time Proven Directly Coupled Design – Offers Faster Response & Greater Operational Efficiency
- Variable Operation Slow Downs Air-end Speed, Which Lowers Energy Costs & Reduce Wear
- With SC3000 Controller, The VSD Enhances Quality By Stabilizing Air Pressure At 1 PSI Increments
- In Addition, The Soft Starting Capability Of FS-Curtis' VSD Reduces Inrush Current Requirement, Decreasing Your Power Demand — and, of Course, Increasing Your Energy Saving

Nx SERVED WITH  
VSD LIFE CYCLE  
COSTS OVER 5 YEARS



ENERGY SAVINGS WITH VSD  
COMPARING LOAD/NO-LOAD  
POWER CONSUMPTION



## Drive Arrangement

- Direct Driven Compressor,
- Less Maintenance
- Longer Life

## Control Panel



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  - Multi-logic Control
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  - Intelligent Shutdown Protection
  - Pre- Warning Indication
  - Automatic restart after power failure
  - VFD Compatible controller
  - Error History
- **Keys**
  - Start
  - Stop
  - Set
  - Return
  - Navigation (3 Keys)
- **Luminous Indication**
  - Running
  - Warning



## TECHNICAL DATA – NxV75-A100



- **LCD Display**
  - Operational status at a given instance
  - Maintenance Messages (Alarms & Faults)
  - Setting Parameters of the Compressor
  
- **Compressor Warning & Shutdown Indications**
  - Emergency Stop
  - Element Outlet Temperature
  - Main Motor Overload
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  - Phase Sequence
  - Reverse Rotation
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### Acoustic Canopy:

- Compressor Package Is Enclosed In A Anticorrosive Powder Coated Acoustic Canopy With Sound Absorbing Material For Limiting The Noise Level.
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- Anti-Vibration Mounts Support Electric Motor And Compressor Unit And Isolate The Moving Components From Rest Of The Structure, Thereby Reduces Sound Level And Avoids Need For Anchoring The Machine On Floor.

## TECHNICAL DATA – NxV75-A100



### Pre-filter Panel:

- Suitably Sized Pre-filtering Arrangement For The Air Entering The Canopy Of Compressor Unit.
- Easily Removable For Cleaning Purpose.

### Ready To Commission Compressor Unit:

- Air Compressor Unit Can Be Put Directly On The Industrial Floor And Is Provided With First Fill Of Oil.

\* Due to continuous engineering improvements, features are subject to change without prior notice.

SPARES COST COMPARISON

40000 Hrs

Fs-Curtis

| FS CURTIS Oil Lubricated Screw Air Compressor NxD37 |                          |               |                |           |                      |                    |                                       |  |  |
|---|--------------------------|---------------|----------------|-----------|----------------------|--------------------|---------------------------------------|--|--|
| ITEM  | CHANGE INTERVAL IN HOURS | NO OF CHANGES | QTY PER CHANGE | TOTAL QTY | BASIC PRICE EACH -RS | BASIC TOTAL PRICE  | Remarks                               |  |  |
| Air filter element                                  | 2,000                    | 20            | 1              | 20        | 3,540.00             | 70,800.00          |                                       |  |  |
| Oil Filter  | 2,000                    | 20            | 1              | 20        | 2,160.00             | 43,200.00          |                                       |  |  |
| Oil Separator Kit                                   | 4,000                    | 10            | 1              | 10        | 11,860.00            | 1,18,600.00        |                                       |  |  |
| Oil   | 4,000                    | 10            | 15             | 150       | 650.00               | 97,500.00          |                                       |  |  |
| Minimum Pressure Valve Kit/Assembly                 | 20,000                   | 2             | 1              | 2         | 5,985.00             | 11,970.00          | MPV Assembly                          |  |  |
| BDV   |                          |               |                |           |                      |                    |                                       |  |  |
| Solenoid Valve                                      |                          |               |                |           |                      |                    | NA, Includes in Intake Valve Assembly |  |  |
| Intake Valve Assembly/Kit                           | 20,000                   | 2             | 1              | 2         | 21,865.00            | 43,730.00          |                                       |  |  |
| Controller  | 40,000                   | 1             | 1              | 1         | 40,000.00            | 40,000.00          | Intake Valve Assembly                 |  |  |
| <b>TOTAL</b>  |                          |               |                |           |                      | <b>4,25,800.00</b> |                                       |  |  |

**SPARES COST COMPARISON**

**40000 Hrs Fs-Curtis**

| FS CURTIS Oil Lubricated Screw Air Compressor NxV75/90 |                          |               |                |           |                       |                    |                                       |
|--|--------------------------|---------------|----------------|-----------|-----------------------|--------------------|---------------------------------------|
| ITEM   | CHANGE INTERVAL IN HOURS | NO OF CHANGES | QTY PER CHANGE | TOTAL QTY | BASIC PRICE EACH - RS | BASIC TOTAL PRICE  | Remarks                               |
| Air filter element                                     | 2,000                    | 20            | 1              | 20        | 8,440.00              | 1,68,800.00        |                                       |
| Oil Filter   | 2,000                    | 20            | 2              | 40        | 2,160.00              | 86,400.00          |                                       |
| Oil Separator Kit                                      | 4,000                    | 10            | 1              | 10        | 23,380.00             | 2,33,800.00        |                                       |
| Oil  | 4,000                    | 10            | 45             | 450       | 650.00                | 2,92,500.00        |                                       |
| Minimum Pressure Valve Kit/Assembly                    | 20,000                   | 2             | 1              | 2         | 8,000.00              | 16,000.00          | MPV Assembly                          |
| BDV  |                          |               |                |           |                       |                    | NA, Includes in Intake Valve Assembly |
| Solenoid Valve   |                          |               |                |           |                       |                    |                                       |
| Intake Valve Assembly/Kit                              | 20,000                   | 2             | 1              | 2         | 45,690.00             | 91,380.00          | Intake Valve Assembly                 |
| Controller   | 40,000                   | 1             | 1              | 1         | 40,000.00             | 40,000.00          |                                       |
| <b>TOTAL</b>   |                          |               |                |           |                       | <b>9,28,880.00</b> |                                       |

Spares Cost for

**SPARES COST COMPARISON**

**40000 Hrs Kaeser**

| Kaeser Oil Lubricated Screw Air Compressor CSDX140 |                          |               |                |           |                       |                     |                       |
|--|--------------------------|---------------|----------------|-----------|-----------------------|---------------------|-----------------------|
| ITEM   | CHANGE INTERVAL IN HOURS | NO OF CHANGES | QTY PER CHANGE | TOTAL QTY | BASIC PRICE EACH - RS | BASIC TOTAL PRICE   | Remarks               |
| Air filter element                                 | 3,000                    | 13            | 1              | 13        | 11,968.00             | 1,59,573.33         |                       |
| Oil Filter   | 3,000                    | 13            | 2              | 27        | 10,665.00             | 2,84,400.00         |                       |
| Oil Separator Kit                                  | 6,000                    | 7             | 1              | 7         | 33,298.00             | 2,21,986.67         |                       |
| Oil  | 6,000                    | 7             | 52             | 347       | 865.00                | 2,99,866.67         | 20Ltr - INR 17304     |
| Minimum Pressure Valve Kit/Assembly                | 12,000                   | 3             | 1              | 3         | 12,333.00             | 41,110.00           | MPV Assembly          |
| BDV (Inlet Valve Maintenance)                      | 12,000                   | 3             | 1              | 3         | 22,179.00             | 73,930.00           |                       |
| Solenoid Valve                                     | 12,000                   | 3             | 1              | 3         | 2,016.00              | 6,720.00            |                       |
| Intake Valve Assembly/Kit                          | 24,000                   | 2             | 1              | 2         | 71,144.00             | 1,18,573.33         | Intake Valve Assembly |
| Controller   | 40,000                   | 1             | 1              | 1         | 1,50,000.00           | 1,50,000.00         |                       |
| <b>TOTAL</b>                                       |                          |               |                |           |                       | <b>13,56,160.00</b> |                       |

|                        | FS-Curtis    | Vs | Kaeser       |
|------------------------|--------------|----|--------------|
| <i>Aired Life</i>      | 40000 Hrs    |    | 36000 Hrs    |
| <i>Motor</i>           | VFD Drive    |    | Fix Speed    |
| <i>Spare Cost</i>      | Less Cost    |    | Higher Cost  |
| <i>Running Cost</i>    | Less Cost    |    | Higher Cost  |
| <i>Maintenance</i>     | Easy         |    | Not Easy     |
| <i>Controller Cost</i> | very Less    |    | Very High    |
| <i>Drive</i>           | Direct Drive |    | Direct Drive |
| <i>Aired</i>           | 5:6 Ratio    |    | 5:6 Ratio    |

**POWER COST COMPARISION for Fs-Curtis vs KAESER Make CSDX140 vs NxD75 Models to Deliver 494 cfm of COMPRESSED AIR @ 7bar WORKING PRESSURE assuming 8760 Running Hours**

| Sr. No. | Description  | Unit                   | KAESER             | Fs-Curtis          |
|---------|--|------------------------|--------------------|--------------------|
| 1       | Model offered  |                        | CSDX140            | NxD75              |
| 2       | Version  |                        | AIR COOLED         | AIR COOLED         |
| 3       | Installed Motor Power Output   | Kw                     | 75                 | 75                 |
| 4       | Motor Power Input for which customer is charged by SEB (Package Power On Full Load)              | Kw                     | 81                 | 81                 |
| 5       | FAD @ 7 bar (g) pressure   | Cu. meter / min.       | 13.74              | 14                 |
|         | FAD @ 7 bar (g) pressure   | CFM                    | 485.2281           | 494.41             |
|         | Specific Power Consumption   | Kw / cu meter per min. | 5.895196507        | 5.785714286        |
|         | Standard of Measurement  | ISO 1217               |                    |                    |
|         |  | <b>Kw/CFM</b>          | <b>0.170090626</b> | <b>0.163831638</b> |
| 6       | Power input for producing 494 cfm of air @ 7 bar working pressure considering 8760 running hours | Kw                     | 82.53275109        | 81                 |
| 7       | Power cost for 8760 running hours, Unit rate Rs.8.5/-  | Rupees                 | 6145389            | 6031260            |
| 8       | Additional Power Cost Which could be saved by using Fs-Curtis make Screw Air compressor          |                        | 114129             | Base               |

| Sr. no. | Description     | Expected life<br>( Running hours ) | Price each<br>( Rupees ) | Quantity<br>( nos. ) | Total value<br>( Rupees ) |
|---------|-----------------|------------------------------------|--------------------------|----------------------|---------------------------|
|         | KAESER CSDX 140 |                                    |                          |                      |                           |
| 1       | Air filter      | 3000                               | 7190                     | 2.66667              | 19173                     |
| 2       | Oil filter      | 6000                               | 9595                     | 1.33333              | 12793                     |
| 3       | Oil separator   | 6000                               | 25,039                   | 1.33333              | 33385                     |
| 4       | Oil             | 6000<br>( 52 l x 640 )             | 33280                    | 1.33333              | 44373                     |
|         |                 |                                    |                          |                      | 109725                    |

| Sr. no. | Description    | Expected life<br>( Running hours ) | Price each<br>( Rupees ) | Quantity<br>( nos. ) | Total value<br>( Rupees ) |
|---------|----------------|------------------------------------|--------------------------|----------------------|---------------------------|
|         | KAESER DSD 142 |                                    |                          |                      |                           |
| 1       | Air filter     | 3000                               | 7190                     | 2.67                 | 19197                     |
| 2       | Oil filter     | 6000                               | 9595                     | 1.34                 | 12857                     |
| 3       | Oil separator  | 6000                               | 36,746                   | 1.34                 | 49240                     |
| 4       | Oil            | 6000<br>( 70l x 640 )              | 44800                    | 1.34                 | 60032                     |
|         |                |                                    |                          |                      | 141326                    |

| Sr. no. | Description       | Expected life<br>( Running hours ) | Price each<br>( Rupees ) | Quantity<br>( nos. ) | Total value<br>( Rupees ) |
|---------|-------------------|------------------------------------|--------------------------|----------------------|---------------------------|
|         | ATLAS COPCO GA 75 |                                    |                          |                      |                           |
| 1       | Air filter        | 2000                               | 17345                    | 4                    | 69380                     |
| 2       | Oil filter        | 2000                               |                          |                      | 0                         |
| 3       | Oil separator     | 4000                               | 43,500                   | 2                    | 87000                     |
| 4       | Oil               | 4000                               | 23782                    | 2                    | 47564                     |
|         |                   |                                    |                          |                      | 203944                    |

## 203

|   | FX 16       | TF 203      |
|---|-------------|-------------|
| RATED CAPACITY ( AT REFERENCE CONDITIONS )  | 636         | 741.615     |
| RATED CAPACITY AT SITE CONDITIONS<br>( AIR INLET TEMP. - 45 C, AMBIENT TEMP - 40 C, PDP - +3 C) | 430.4448    | 501.925032  |
| PRESSURE DROP ( bar )   | 0.3         | 0.16        |
| Average power consumption ( kw )  | 4.1         | 1.716       |
| Power consumption per cfm   | 0.009525031 | 0.003418837 |
| Power saved per cfm   | 0.006106194 | Base        |
| Power saved for using 484 cfm air compressor  | 120580.2342 |             |
| Pressure drop saved   | 0.14        | Base        |
| Additional Energy cost for generating additional pressure of<br>0.14 bar (7*0.14)               | 239618.4    | Base        |
| Total energy Saved By Using KAESER make Air dryer   | 360198.6342 | Base        |

Proposal Reference: SBAE/123  
Date: 25-11-2022



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To,  
M/S – JINDAL ALUMINIUM LTD  
SP-2/333 ,RIICO INDUSTRIAL AREA  
,Bhiwadi,Rajasthan (India)

MR. .RAJGOPAL C SARDA JI (9611195368)

Subject: Offer for FS Curtis make Screw Air Compressors

Dear Sir,

Thank you for your enquiry 25-11-2022 for air compressors & allied accessories. We take this opportunity to introduce ourselves as FS Compressors India Pvt. Ltd., a group company of Taiwan's top Industrial house, Fusheng Industrial Co. Ltd. The Group has 19 plants across the globe, and, as per a market study published in USA, is the 3<sup>rd</sup> largest manufacturer globally for compressed air solutions. The company's focus is to provide best designed compressed air systems under FSCURTIS brand in a cost effective way and with outstanding service levels.

Fusheng Industrial Corp was incorporated in 1953 as an Air compressor company in Taiwan. Over the years, they have established three main business divisions viz., Machinery, Electronics, & Sporting goods with all the divisions under the directives of the group President. By far, the machinery division is the largest of the three and represents the true global portfolio of the group. The companies and brands under the Group are

- 1) FS-Curtis, Curtis Toledo for Air compressors based in St. Louis MO USA,
- 2) FS-Elliott Co., for centrifugal compressors based in Pittsburgh Pa. USA,
- 3) FS Europe GmbH Germany for R&D and Engineering,
- 4) FS-Precision Tech Co. LA Cal. USA, for manufacturing high precision casting products for automotive, medical and aerospace industry.
- 5) ALMiG for air compressors, based in Germany

The group has maintained the spirit of 'Pursuing excellence and enriching lives' and is applied to every corner of the enterprise's activity. The company strives for innovation and continuous improvement.

Our manufacturing unit in Chakan, Pune will be the hub to manufacture 'FSCURTIS' Brand Piston and Screw Compressors. Our product range comprises of:

- 01) Piston compressors up to 64 CFM (lubricated and oil free type)
- 02) Oil Injected Screw Air Compressors up to 1240 CFM
- 03) Transport Compressor up to 14 CFM
- 04) Water Injected Oil Free Screw Compressors up to 750 CFM Range
- 05) Booster Compressor up to 324 CFM
- 06) Refrigerated Air Dryer up to 2500 CFM
- 07) Heatless Air Dryer up to 2000 CFM
- 08) Filters up to 1645 CFM
- 09) Air Receiver up to 12 m<sup>3</sup>
- 10) Auto Drain Valve up to 3000 CFM

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FS Compressors India Pvt. Ltd.,  
Plot No- 53, Chakan MIDC Industrial Area,  
Phase II, Savardarl, Khed, Pune- 410 501, Maharashtra



Proposal Reference: SBAE/123  
Date: 25-11-2022



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The company has regional offices and resident engineers, trained service personnel across India to cater to the customer needs and services.

We boast of a Clientele that encompasses a wide array of industries, some of which are ONGC, Bharat Petroleum, Linde, Hindalco, L&T, Praxair, PepsiCo, Coco Cola, Honda Siel Cars, Essar Power, GE Energy, RIL, MCF, IOCL, HOCL, JSW Steels, BALCO, JSL Stainless, Tata Power and many more.

With this background, **FS Compressors India Pvt. Ltd.**, is now all geared up to cater to wide spectrum of compressed air needs, of the industry in India by providing its customers with **affordable systems** under '**FS CURTIS**' branded compressors and accessories which are being assembled in India. It is our earnest wish to be associated with your organization in our area of interest for a mutually fruitful longstanding business relation. Kindly call us at your earliest convenience to explore these possibilities. Our team of Engineers will be glad to visit you for providing the best of compressed air systems.

We are committed to making the entire transaction with our customer a satisfying one.

We look forward to partnering you in your new projects. Please find enclosed herewith the Technical Specifications, Price Schedule & Terms and Conditions.

We trust you will find our offer in order and in line with your requirement. Should you need any further information / clarification, please feel free to contact us.

Thanking you again for your enquiry and faith reposed in our product.

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FS Compressors India Pvt. Ltd.,  
Plot No- 53, Chakan MIDC Industrial Area,  
Phase II, Savardari, Khed, Pune- 410 501, Maharashtra

Load Factor



## Airmen Engineers & Services Private Limited

Plot No. A-14A, Bir Singh Colony, Near White Temple, Budh Vihar Phase - 2, Near Rohini Sector 24, Delhi  
CIN-U74999DL2017PTC317234

E Mail : [sales@airmen.in](mailto:sales@airmen.in), [karan@airmen.in](mailto:karan@airmen.in), ([www.airmen.in](http://www.airmen.in))

Authorised Dealer for KAESER COMPRESSOR (INDIA) PVT LTD

### ANNEXURE: - 1 - PRICE AND COMMERCIAL TERMS & CONDITIONS

#### FOR COMPRESSORS (250 CFM, 485 CFM- FIXED SPEED AND SIGMA FREQUENCY CONTROL)

| SR. NO.        | DESCRIPTION   | QTY   | HSN CODE,GST -18% | Delivery from on Pune plant./ UNIT PRICE                           |
|----------------|---|---|-------------------|--|
| 08460120<br>1. | SCREW AIR COMPRESSOR - Air cooled: KAESER make direct driven, single stage fluid cooled air end with world renowned sigma profile heavy duty stationary screw air compressor each having a FAD of <b>247 cfm</b> (7.00 m <sup>3</sup> /min) at 7.5 bar (g) and maximum working pressure of <b>8.5 bar (g)</b> at the outlet, driven by Electric motor of <b>37 kW</b> rated output. The FAD will be guaranteed as per ISO 1217 Addition4, 2009<br><br><i>Fixed</i>  | <b>NON VFD</b><br><b>250 CFM</b><br><br>BSD-75<br>1 No.<br><br>1590 X 1030 X 1700 (W X D X H)<br>985 kgs. | 84148090          | <i>Agreed Rate</i><br><b>Rs. 9,33,850/-</b><br><br>Rs. 13,66,000/= |
| 2.             | <b>SFC (Sigma Frequency Control)</b><br>SCREW AIR COMPRESSOR - Air cooled: KAESER make direct driven with Sigma-Frequency Control, single stage fluid cooled air end with world renowned sigma profile heavy duty stationary screw air compressor each having a FAD of <b>54-263 cfm</b> (1.54-7.44 m <sup>3</sup> /min) at 7.5 bar (g) and maximum working pressure of <b>8.5 bar (g)</b> at the outlet, driven by Electric motor of <b>37 kW</b> rated output. The FAD will be guaranteed as per ISO 1217 Addition4, 2009 | <b>VFD</b><br><b>250 CFM</b><br><br>BSD-75<br>SFC<br>1 No.<br><br><i>Siemens Drive</i>                    | 84148090          | <i>Not Req.</i><br>Rs. 22,06,000/-<br><b>Rs. 15,09,600/-</b>       |
| 06680389<br>3. | SCREW AIR COMPRESSOR - Air cooled: KAESER make direct driven, single stage fluid cooled air end with world renowned sigma profile heavy duty stationary screw air compressor each having a FAD of <b>485 cfm</b> (13.74 m <sup>3</sup> /min) at 7.5 bar (g) and maximum working pressure of <b>8.5 bar (g)</b> at the outlet, driven by Electric motor of <b>75 kW</b> rated output. The FAD will be guaranteed as per ISO 1217 Addition4, 2009<br><br><i>Fixed</i>   | CSDX-140<br>1 No.<br><br>2110 X 1290 X 1950 (W X D X H)<br>1830 kg  | 84148090          | <b>Rs. 14,86,750/-</b><br><br>Rs. 21,74,000/=                      |



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Authorised Dealer for KAESER COMPRESSOR (INDIA) PVT LTD

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### TOTAL SOLUTION OF COMPRESSED AIR REQUIREMENT

This refers to the telephonic discussions we had today for your requirement of compressed air system; we are hereunder submitting Techno-Commercial offer for **KAESER** make Compressed Air System (Air Compressor, Refrigerated Air Dryer, Micro Filter & Air Receiver) suitable to your requirement:

**ANNEXURE-1:** Price and Commercial Terms Conditions.

**ANNEXURE-2:** Scope of Supply and Technical Specification.

We trust our enclosed offer is in line with your requirement. If you require any further techno-commercial justification/clarification, please feel free to contact us. Thanking you & assuring you of best of our services at all the times, we remain.



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Authorized Dealer for KAESER COMPRESSOR (INDIA) PVT LTD

|    |   |   |                 |   |
|----|---|---|-----------------|---|
| 4. | <p><b>SFC (Sigma Frequency Control)</b><br/>SCREW AIR COMPRESSOR - Sigma Frequency Control, Air cooled: KAESER make direct driven, single stage fluid cooled air end with world renowned sigma profile heavy duty stationary screw air compressor each having a FAD of 122 CFM-472 CFM (3.46-13.37 m<sup>3</sup>/min) at 7.5 bar (g) and maximum working pressure of 8.5 bar (g) at the outlet, driven by Electric motor of 75 kW rated output. The FAD will be guaranteed as per ISO 1217 Addition 4, 2009</p> | <p><b>CSDX-140 SFC</b><br/>1 No.<br/>2110x1290x1950 (WxDxH)<br/>1650 kg</p> | <p>84148090</p> | <p>Rs. 36,64,000/=</p> <p><i>Agreed Rate</i><br/><b>Rs. 25,06,100/-</b></p> |
| 5. | <p>KAESER make Extra Coalescences filter to bring down the Oil Vapour and Particle size down to 0.01 mm which is better than class-1 to ISO 8573-1 (2001) for.</p>  | <p>F-83-KE<br/>1 No.</p>  | <p>84213990</p> | <p>Rs. 66,000/=</p>   |
| 6. | <p>KAESER make Activated Carbon filter to bring down the Oil Vapour content down to 0.01 mg/m<sup>3</sup> and particle size down to 0.001 mm which is better than class-1 to ISO 8573-1 (2001) for.</p>   | <p>F-320-KE<br/>1 No.</p>   | <p>84213990</p> | <p>Rs. 1,65,000/=</p>   |

### FOR DRYERS (500 CFM, 600 CFM, 1000 CFM)

| SR. NO. | DESCRIPTION  | QTY                                 | HSN CODE, GST -18% | Delivery from Pune plant./ UNIT PRICE             |
|---------|--|-------------------------------------|--------------------|---|
| 1.      | <p><b>REFRIGERATED AIR DRYER;</b> KAESER- make refrigeration air dryer that is developed for reduced energy consumption &amp; optimization of reliability and user friendliness. This Air Dryer is suitable for above air compressor at air inlet temperature of 50 deg C to the air dryer and ambient temperature to 45 deg. Flow Rate- 23 m<sup>3</sup>/min.</p> | <p>TF-230<br/>1 No.<br/>500 CFM</p> | <p>84211999</p>    | <p>Rs. 10,70,000/=</p> <p><b>Rs. 731500/-</b></p> |
| 2.      | <p><b>REFRIGERATED AIR DRYER;</b> KAESER- make refrigeration air dryer that is developed for reduced energy consumption &amp; optimization of reliability and user friendliness. This Air Dryer is suitable for above air compressor at air inlet temperature of 50 deg C to the air dryer and ambient temperature to 45 deg. Flow Rate- 28 m<sup>3</sup>/min.</p> | <p>TF-280<br/>1 No.<br/>600 CFM</p> | <p>84211999</p>    | <p>Rs. 11,62,000/=</p> <p><b>Rs. 794200/-</b></p> |



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Authorised Dealer for KAESER COMPRESSOR (INDIA) PVT LTD

|    |   |                                    |          |   |
|----|---|------------------------------------|----------|---|
| 3. | <b>REFRIGERATED AIR DRYER;</b> KAESER- make refrigeration air dryer that is developed for reduced energy consumption & optimization of reliability and user friendliness. This Air Dryer is suitable for above air compressor at air inlet temperature of 50 deg C to the air dryer and ambient temperature to 45 deg.<br>Flow Rate- 34 m3/min. | TF-340<br>1 No.<br><i>1000 CFM</i> | 84211999 | $\frac{1020 \text{ days}}{1665 \times 1030 \times 1700} - 83045$<br>$\frac{2110 \times 1290 \times 1950}{1590 \times 1030 \times 1700}$<br><b>KAESER COMPRESSORS</b><br><i>Agreed</i><br><i>Rs. 9,40,850/-</i><br>Rs. 13,38,000/= |
|----|---|------------------------------------|----------|---|

### Buyer's scope of work

Unloading & shifting positioning, all interconnecting piping between the equipment (compressor, dryer, receiver tank) and its accessories, matching flanges, all electrical cabling, MCB/MCCB/SFU/Local Isolator Switch and its accessories, all ducting work, all condensate (moisture) piping and accessories, all civil work and hardware, any grouting work/fasteners require to install vertical air receiver tank for installation. As per KAESER recommendation electrical cable should be multi core flexible copper cable. Do not use Aluminum cable

### COMMERCIAL TERMS AND CONDITIONS

- **PRICES** : The prices are in Rupees & are based on delivery from on Pune plant. → *Ex-works Pune*
- **GST** : Extra as applicable - *18% Extra.*
- **P&F** : *Extra @ 3% - Included.*
- **FREIGHT** : At actual at your account. *L*
- **TRANSIT INS.**: Transit insurance shall be in your scope. However, we can arrange the same at a rate of 0.23% of the basic order value. However, it will be your responsibility to complete the documents/formalities regarding claiming of insurance in case of transit damage. *- JAL Scope*
- **PURCHASE ORDER:** Please raise your purchase order on  
**Kaeser Compressors (India) Pvt. Ltd.,**  
 Plot No: 1 & 2, Survey No: 297-298-299, Indo German  
 Technology Park Village: Urawade, Taluka. - Mulshi, Dist: Pune,  
 412 108 *L*
- **PAYMENT TERMS:** 30 % advance along with order, Balance against Performa Invoice prior to dispatch.

*Payment*  
 → 30% Advance along with ABG valid for 20 weeks from the date of Issuance  
 60% with 100% GST Against Performa form before dispatch.  
 10% After Commissioning subject to submit 20 December 2022  
 - 10% maintenance guarantee valid for one year



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Authorised Dealer for KAESER COMPRESSOR (INDIA) PVT LTD

- **DELIVERY** : Ex Stock subject to prior sale else within 16-20 Weeks from receipt of your technically and commercially Purchase Order with advance payment.
- VALIDITY** : This offer is valid for 30 days from the date of its issue & subject to confirmation thereafter.

### GENERAL

- 1) **Warranty of the Equipment**: - The equipment is provided with warranty against faulty / defective material / workmanship / manufacturing defects only for 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier. The normal consumable spares & rubber parts, effect of corrosion, erosion and normal wear & tear are specifically excluded from this warranty. The equipment should be maintained & used as per instructions given in the Instruction Book supplied along with the equipment & only genuine KAESER spares should be used. It shall be valid within India only.
- 2) **Erection & Commissioning**: - The air compressor does not need any grouting / foundation, Normal industrial floor that is able to hold the weight of the compressor package is sufficient. Commissioning of the compressor shall be done free of charge. For commissioning the Compressor, maximum 2 visits shall be made by our engineer.
- 3) **Force Majeure**: - This clause is applicable.

Yours faithfully,

For Airmen Engineers & Service Private Limited

Karan Chopra

+91-8588855726

Discussed with  
Mr. Karan Chopra  
and agreed above terms.  
[Signature]  
28/12/23

**Comparison between KAESER & Competition**

| Sr. No  | Description   | Units     | KAESER              | EG         |
|---|---|-----------|---------------------|------------|
| <b>Catalogue Information</b>  |   |           |                     |            |
| 1   | Model offered   |           | CSDX 140            | EG 75      |
| 2   | Control Version   |           | Sigma Control 2     | 77         |
| 3   | Cooling Type  |           | Air Cooled          | Air Cooled |
| 4   | Max Working Pressure  | In Bar(g) | 8.5                 | 7.5        |
| KAESER can be operated from 5.5 bar-8.5 bar   |   |           |                     |            |
| <b>Technical Data and Comparison</b>  |   |           |                     |            |
| 1   | Main Motor Rating   | In KW     | 75                  | 75         |
| 2   | Motor Make  |           | Siemens Germany IE4 | 777        |
| KAESER uses Super Premium efficient Siemens Germany make IE4 motors   |   |           |                     |            |
| 3   | FAD @ 7.0 Bar(g)  | In CFM    | 486                 | 622        |
| As per ISO 1217 : 2005, Annexure C  |   |           |                     |            |
| 4   | Total Input Power to package @ 7.0 Bar(g) including cooling fan power                                   | In KW     | 81                  | 92         |
| As per ISO 1217 : 2005, Annexure C  |   |           |                     |            |
| 5   | Specific Power @ 7.0 Bar(g)   | KW/CFM    | 0.1667              | 0.1741     |
| As per ISO 1217 : 2005, Annexure C/ KAESER has lowest specific power consumption.   |   |           |                     |            |
| 6   | Total Input power for say requirement of 500 CFM on annual basis  | In KW     | 83.3                | 87.04      |
| 7   | Net savings in Electrical power per hour with KAESER's CSDX 140 Compressor                              | KWH       | BASE                | 3.7        |
| 8   | Savings Electricity bills for 365 days and 24 hours of operation/year @ Rs 9/ kWh Power cost in 1 year  | KWH       | BASE                | ₹ 2,01,742 |
| This is the amount of Savings you get by using KAESER Compressor  |   |           |                     |            |
| 9   | Savings Electricity bills for 365 days and 24 hours of operation/year @ Rs 9/ kWh Power cost in 3 years | KWH       | BASE                | ₹ 2,01,742 |
| 10  | Normal Operating temperatures   | degC      | 85-90               | 98-100     |
| KAESER runs at lower running temperatures and hence lowest oil carry over and higher uptime even at peak Indian temperatures. |   |           |                     |            |
| 11  | Drive arrangement   |           | 1:1 Direct Drive    | Gear Drive |
| There is no GEAR BOX in KAESER.   |   |           |                     |            |

**POWER SAVINGS IN SECOTEC DRYER**

| Sr. No  | Model   |     | TF-280           | 7                 |
|---|---|-----|------------------|-------------------|
| 1   | Flow Rate   | CFM | 300              | 300               |
| 2   | Technology Used   |     | Thermal Mass 344 | HOT BY-PASS Valve |
| 3   | Electrical Power consumption at standard test condition, (ISO 7183)   | KW  | 3.7              | 2.86              |
| As per ISO 7183   |   |     |                  |                   |
| 4   | Electrical Power consumption For one year-SECOTEC TECHNOLOGIE   | KW  | 0.97             | 2.85              |
| 5   | Savings In Kw with Patent Thermal Mass Technology, KAESER's SECOTEC Dryer consumes 50% of the Power in a Year | KW  | BASE             | 1.88              |
| 6   | 8768 running hours /year and Rs. 9 per unit (165x24hrs Kw)  | Rs  | BASE             | ₹ 1,46,210        |
| This is the amount of Savings you get by using KAESER's SECOTEC Dryer |   |     |                  |                   |
| 7   | Savings by using Kaeser's Dryer in 3 years  |     | BASE             | ₹ 1,46,210        |
| 8   | TOTAL SAVINGS by using KAESER (Compressor+Dryer) in a Year  | Rs  | BASE             | ₹ 4,41,981        |
| This is the amount of Savings you get by using KAESER Equipment       |   |     |                  |                   |
| 9   | TOTAL SAVINGS by using KAESER (Compressor+Dryer) in Three Years   | Rs  | BASE             | ₹ 13,25,944       |

These details are correct to the best of our knowledge, but still you are requested to check with specified companies for verifications, if any.



M/s. Industrial Sales Equipment Company,  
Bhimnagar.

Final Rates

**PRICE SCHEDULE**

08280702

06680389

08460202

| Product  | Unit Price     | Quantity | HSN Code | GST Rate |
|--|----------------|----------|----------|----------|
| EG 75-8 V, 400V/50HZ, 522 CFM<br>ELGI Make VFD Air Compressor        | ₹ 28,40,800.00 | 1        | 84148090 | 18%      |
| E75-8, 400V/50HZ, 82-522 CFM<br>ELGI Make Fixed speed Air Compressor | ₹ 21,62,400.00 | 1        | 84148090 | 18%      |
| EG 37-7.5 VFD 400V/50HZ, 55-255 CFM<br>ELGI Make VFD Air Compressor  | ₹ 17,73,400.00 | 1        | 84148090 | 18%      |
| EG 37-7.5 400V/50HZ, 255 CFM<br>ELGI Make Fixed speed Air Compressor | ₹ 12,13,800.00 | 1        | 84148090 | 18%      |
| ELRD 1100A<br>ELGI Make Air Dryer                                    | ₹ 7,19,200.00  | 1        | 8421:00  | 18%      |
| PF1177<br>ELGI Make Air Pre-Filter                                   | ₹ 117,100.00   | 1        | 73:11:00 | 18%      |
| PF1177<br>ELGI Make Air Post-Filter                                  | ₹ 117,100.00   | 1        | 73:11:00 | 18%      |
| CF1177<br>ELGI Make Air Post-Filter                                  | ₹ 117,100.00   | 1        | 73:11:00 | 18%      |
| ELRD 600A AIR DRYERS<br>ELGI Make Air Dryer                          | ₹ 5,61,100.00  | 1        | 84:21:00 | 18%      |
| PFE 0620<br>ELGI Make Pre Filter                                     | ₹ 97,600.00    | 1        | 73:11:00 | 18%      |
| PFE 0620<br>ELGI Make Post Filter                                    | ₹ 97,600.00    | 1        | 73:11:00 | 18%      |
| CFE 0620<br>ELGI Make Post Filter                                    | ₹ 97,600.00    | 1        | 73:11:00 | 18%      |
| ELRD 500A<br>ELGI Make Air Dryer                                     | ₹ 5,15,500.00  | 1        | 84:21:00 | 18%      |
| PF520<br>ELGI Make Air Post-Filter                                   | ₹ 79,000.00    | 1        | 73:11:00 | 18%      |
| PF520<br>ELGI Make Air Post-Filter                                   | ₹ 79,000.00    | 1        | 73:11:00 | 18%      |
| CF520<br>ELGI Make Air Post-Filter                                   | ₹ 79,000.00    | 1        | 73:11:00 | 18%      |

long price list

Final Discounted Rates

₹. 14,50,00  
₹. 11,55,000  
₹. 84:14  
₹. 84:14  
₹. 5,30,0  
₹. 62,000  
₹. 62,000  
₹. 62,000  
₹. 3,10,000  
₹. 50,000  
₹. 50,000  
₹. 50,000  
₹. 2,91,600  
₹. 41,700  
₹. 41,700  
₹. 41,700

Discount on the above price is 32%





**TERMS & CONDITIONS**

- 1. This sale will attract GST 18% ✓
- 2. Freight Condition shall be extra from COIMBATORE - FOR JAL Bhivwadi. Incl Insurance
- 3. Transit Insurance included ✓
- 4. Statutory information: Please advise the GSTIN information in your purchase order.
- 5. Terms of payment: ~~20% advance and balance before delivery~~ 90% + 10% GST after receipt within 7d ~~20% against PO before dispatch, balance~~
- 6. Delivery: 4-5 weeks from the date of PO. 10% After Commissioning or within 15 da ~~4-5 weeks~~
- 7. Consignee: The consignment will be dispatched on "selfes" basis with special instruction to the transporter to the consignment against the original copy of L/R. from supply subject to submission of PBG valid for one year from commissioning
- 8. Supervision of erection and commissioning: We shall depute trained personnel for supervision of erection and commissioning under FOC. ✓
- 9. Validity: The offer is valid for a period of 30 days from the date of offer. Expanded
- 10. Warranty: warranty: one year on complete package, Ex-factory warranty on: Air End, Motor, cooler, Oil separator tank  
① Special Warranty for All Equipment is 2 years from the date of commissioning or 30 months from the date of dispatch, whichever is earlier. as per  
② Warranty is limited to repair/replace of defective parts against manufacturing defects only and does not extend to any consequential liability thereof. attached sheet

20% 0.5d after 8 weeks



Exclusions: Electricals (except motors and controller), rubber parts, seals, belts and consumables like air filter, oil filter, separator element, lubricant and similar wear and tear parts.

UPTIME Warranty clause as per the attached UPTIME Document.

11. Force majeure: We shall not be under any liability to the purchaser for any failure to perform any of the obligations under the contract where it is prevented by i) situations beyond its reasonable controls ii) acts or omissions of the purchaser. If the performance of the contract is prevented by this clause for more than 120 days, then either party (except where delay is caused by the purchaser, in the event only company) upon 30 days written notice may terminate the contract with respect to the unexecuted portion, where upon the purchaser shall promptly pay the company its termination charges determined in accordance of the company's standard accounting practices upon submission of invoices thereof.

We appreciate your interest in our product and are confident that we will be able to satisfy your requirement. As the next step, I request your time for a techno-commercial discussion on the offer as per your convenience.

Yours Sincerely,

For INDUSTRIAL EQUIPMENT COMPANY,

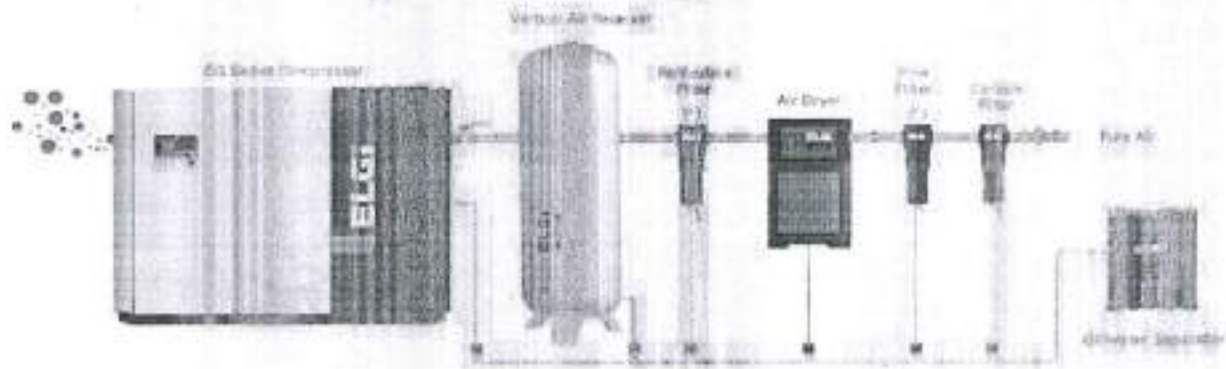
**Govind Yadav** | Sales Engineer

Mobile No: +91 9314304232 | Email: compressors@iecbhiwadi.com

**RECOMMENDED LAYOUT**

To achieve best performance levels, the following layout is recommended for

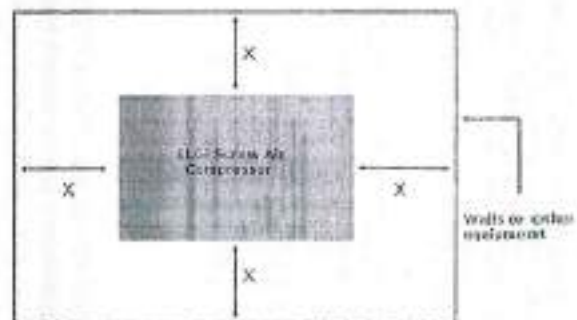
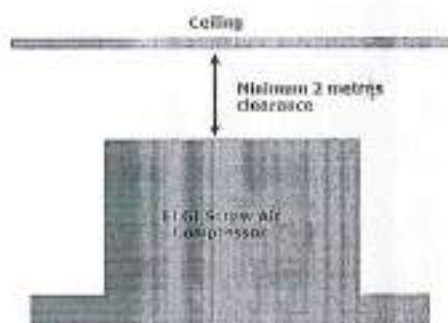
**Oil-Lubricated Compressed Air Supply System**



**RECOMMENDED COMPRESSOR PLACEMENT – BASIC:**

1. The entrance to the compressor room should be high enough and wide enough to get the compressor in and out.
2. Leave minimum 1 m space for compressors <75 kW and 1.5 m space for >75 kW, around the compressor for safe and proper inspection, cleaning and maintenance activities. (Fig. left below)
3. Leave minimum 2 m space above the compressor for the hot air to flow away from the compressor. (Fig. right above) (Air Cooled)
4. Maintain the room temperature with proper ventilation (The compressor room temperature should not be above 5°C from ambient temperature). Higher suction temperatures would result in reduced oil life due to higher discharge oil temperature (DOT).
5. Ensure the compressor is protected against direct sunlight and rains.
6. The compressor base should make 100% contact directly with the floor. Do not place the compressor on the wooden pallet supplied with the compressor.

**NOTE: Installation & Commissioning will be done only after achieving above recommendations.**



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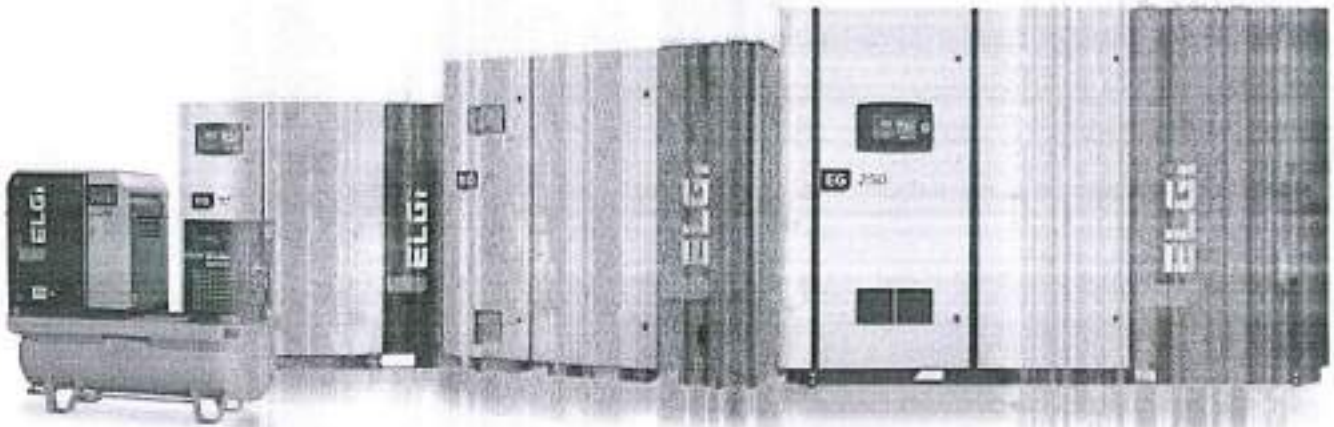
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**ELGI ELECTRIC POWERED - SCREW AIR COMPRESSOR**



| EG 75-8 400V / 50Hz       |                         |
|---------------------------|-------------------------|
| Description               | Specifications          |
| Model                     | EG 75-8 → Direct Driven |
| Capacity*                 | 522 cfm ✓               |
| Maximum pressure          | 8 bar.g                 |
| Normal working pressure   | 7 bar.g                 |
| Main motor nominal rating | 75 kW                   |
| Starter                   | Star-Delta Starter      |
| Dimensions                | 2063mm*1269mm*1969mm    |
| Weight of the package     | 2020 kg                 |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

**SCOPE OF SUPPLY:**

**Base & Enclosure:**

- Rigid frame
- Powder-coated panels with two service doors at the front and two at the sides
- Latches on each door
- Ducts for drive motor

**Drive System:**

- Main motor – high Efficiency IE3 TEFC motor with "Class-F" insulation
- Flexible coupling with elastic element
- Rigid connection of motor and the air-end flange
- CE certified control panel with
- Wye-delta reduced voltage starter for the main motor
- DOL starter with contactor for cooling motors
- High amp protection electric motors

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- o **Quality assurance and reliability that come from being an ISO 9001:2015 company.**
  - Each component in ELGi products pass through stringent quality tests and are 100% tested for performance in the manufacturing line
  - Each product comes with ELGi's UPTIME Assurance.
- o **Dedicated toll-free Customer Care System**
  - After sales service through our service organization that consists of 13 branches, over 70 dealers across India, over 200 distributors in 100+ countries across the globe.

Please find enclosed with this offer:

- o Technical specifications and Scope of supply
- o Commercial Terms & Conditions
- o Installation Guidelines
- o UPTIME Warranty

We hope our offer is in line with your requirement and in case you need any other clarifications, please feel free to contact the undersigned.

We look forward to receiving your valuable order.

Thanking and assuring you of our utmost attention always,

Yours Sincerely,

For INDUSTRIAL EQUIPMENT COMPANY,

**Govind Yadav** | Sales Engineer

Mobile No: +91 9314304232 | Email: compressors@iecbehwadi.com



#### Air Inlet System:

- Pre-filter: To ensure clean air is supplied to the inlet system
- Air duct: To get clean and cool air to the air filter
- Air filter housing
- Twin paper element, each of 3 microns with an efficiency of 99%
- For pre-cleaning on the air cleaner to separate heavy particles and avoid clogging of paper element
- Service indicator - indicating filter service need
- Rubber coupling connecting air filter to the intake valve
- Normally closed type intake valve with integrated blow down and solenoid control valve
- Load/unload type capacity control for EG 11 to EG 45
- Intake valve modulation with 100 to 60% capacity control and load/unload below 60% for EG 55 & EG 75

#### Compression System:

- Highly efficient axis air end with n-v profile rotors

#### Air/Oil Separation System:

- Receiver tank incorporating OSBIC principle mounted on the base frame
- Oil filling port
- Oil drain with valve
- Pressure relief valve
- Oil sight glass
- Spin-on air-oil separator element (EG11-EG22) / Cartridge type air-oil-separator element (EG30 - EG75)
- Minimum pressure valve

#### Discharge System:

- Moisture separator with zero loss drain valve

#### Cooling System:

- Thermal zones for hot and cool air for maximized cooling
- High ambient oil cooler for low operating temperature
- High efficiency after-cooler for low approach temperature
- Cooler mounted insulated compartment for easy cleaning
- Cooling fan with integrated motor

#### Lubrication System:

- High capacity spin-on oil-filter element with 10-micron rating
- Return oil line from separator tank to air-end.
- Rigid pipe connections for long life and leak-free operation

#### Controls System:

- Neuron III controller
- Pressure transducer
- Temperature sensor

#### Safety Features:

- CE certified package

#### Optional Features:

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- Integrated dryer and VFD

\*\* Due to continuous engineering improvements, features are subject to change without prior notice. Product image shown are representative and may not match exactly with the actual product.

| <b>EG 75-8 V 400V/50HZ</b> |  |
|----------------------------|--|
| <b>Description</b>         | <b>Specifications</b>                              |
| Model                      | EG 75-8 V — VFD                                    |
| Capacity*                  | 80 ~ 522 cfm                                       |
| Maximum pressure           | 8.0 bar.g  |
| Normal working pressure    | 7.0 bar.g  |
| Main motor nominal rating  | 75 kW SF 1.15 400V (+/-10%), 50Hz (+/-5%), 3 Phase |
| Starter                    | Variable Frequency Drive                           |
| Dimensions                 | 2063x1269x1969 mm                                  |
| Weight of the package      | 2090 kgs   |

| <b>EG 37-7.5 V 400V/50HZ</b> |                       |
|------------------------------|-----------------------|
| <b>Description</b>           | <b>Specifications</b> |
| Model                        | EG 37-7.5 CV          |
| Capacity*                    | 55-255 cfm            |
| Maximum pressure             | 7.5 cfm               |
| Normal working pressure      | 7.0 cfm               |
| Main motor nominal rating    | 37 kw                 |
| Starter                      | VFD                   |
| Dimensions                   | 1705mm*1111mm*1570mm  |
| Weight of the package        | 1155 kgs              |

| <b>EG 37-7.5 400V/50HZ</b> |                       |
|----------------------------|-----------------------|
| <b>Description</b>         | <b>Specifications</b> |
| Model                      | EG 37-7.5 — NON VFD   |
| Capacity*                  | 255 cfm               |
| Maximum pressure           | 7.5 cfm               |
| Normal working pressure    | 7.0 cfm               |

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|                           |                      |
|---------------------------|----------------------|
| Main motor nominal rating | 37 kw                |
| Starter                   | Star Delta Starter   |
| Dimensions                | 1705mm*1111mm*1570mm |
| Weight of the package     | 1110 kgs             |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

#### SCOPE OF SUPPLY:

##### Base & Enclosure:

- Rigid frame
- Powder-coated panels with two service doors at the front and two at the sides
- Latches on each door
- Ducts for drive motor

##### Drive System:

- Main motor – high Efficiency IE3 TEFC motor with "Class-F" insulation
- Flexible coupling with elastic element
- Rigid connection of motor and the air-end flange
- CE certified control panel with
- Wye-delta reduced voltage starter for the main motor
- DOL starter with contactor for cooling motors
- High amp protection electric motors

##### Air Inlet System:

- Pre-filter: To ensure clean air is supplied to the inlet system
- Air duct: To get clean and cool air to the air filter
- Air filter housing
- Twin paper element, each of 3 microns with an efficiency of 99%
- For pre-cleaning on the air cleaner to separate heavy particles and avoid clogging of paper element
- Service indicator – indicating filter service need
- Rubber coupling connecting air filter to the intake valve

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- Normally closed type intake valve with integrated blow down and solenoid control valve
- Load/unload type capacity control for EG 11 to EG 45
- Intake valve modulation with 100 to 60% capacity control and load/unload below 60% for EG 55 & EG 75

**Compression System:**

- Highly efficient axis air end with n-v profile rotors

**Air/Oil Separation System:**

- Receiver tank incorporating OSBIC principle mounted on the base frame
- Oil filling port
- Oil drain with valve
- Pressure relief valve
- Oil sight glass
- Spin-on air-oil separator element (EG11-EG22) / Cartridge type air-oil-separator element (EG30 – EG75)
- Minimum pressure valve

**Discharge System:**

- Moisture separator with zero loss drain valve

**Cooling System:**

- Thermal zones for hot and cool air for maximized cooling
- High ambient oil cooler for low operating temperature
- High efficiency after-cooler for low approach temperature
- Cooler mounted insulated compartment for easy cleaning
- Cooling fan with integrated motor

**Lubrication System:**

- High capacity spin-on oil-filter element with 10-micron rating
- Return oil line from separator tank to air-end.
- Rigid pipe connections for long life and leak-free operation

**Controls System:**

- Neuron III controller
- Pressure transducer
- Temperature sensor

**Safety Features:**

- CE certified package

**Optional Features:**

- Integrated dryer and VFD

\*\* Due to continuous engineering improvements, features are subject to change without prior notice. Product image shown are representative and may not match exactly with the actual product.



| ELRD 600A AIR DRYERS      |                        |
|---------------------------|------------------------|
| Description               | Specifications         |
| Model                     | <u>ELRD 600 AC</u>     |
| Capacity*                 | <u>600 cfm @ 7 bar</u> |
| Maximum pressure          | 16 bar.g               |
| Normal working pressure   | 7 bar.g                |
| Main motor nominal rating | 3.13 kW                |
| Starter                   | NA                     |
| Dimensions                | 800mm*1000mm*1350mm    |
| Weight of the package     | 275 kg                 |

| PFE 0620                  |                      |
|---------------------------|----------------------|
| Description               | Specifications       |
| Model                     | PFE0620              |
| Capacity*                 | 620 cfm@ 7 bar       |
| Maximum pressure          | NA <i>Pae filter</i> |
| Normal working pressure   | 7 bar.g              |
| Main motor nominal rating | NA                   |
| Starter                   | NA                   |
| Dimensions                | 705mm*160mm          |
| Weight of the package     | 9.5 kg               |

| FFE 0620                  |                       |
|---------------------------|-----------------------|
| Description               | Specifications        |
| Model                     | FFE0620               |
| Capacity*                 | 620 cfm@ 7 bar        |
| Maximum pressure          | NA <i>fine filter</i> |
| Normal working pressure   | 7 bar.g               |
| Main motor nominal rating | NA                    |
| Starter                   | NA                    |
| Dimensions                | 705mm*160mm           |
| Weight of the package     | 9.5 kg                |

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| <b>CFE 0620</b>           |                       |
|---------------------------|-----------------------|
| <b>Description</b>        | <b>Specifications</b> |
| Model                     | CFE0620               |
| Capacity*                 | 620 cfm@ 7 bar        |
| Maximum pressure          | NA                    |
| Normal working pressure   | 7 bar.g               |
| Main motor nominal rating | NA                    |
| Starter                   | NA                    |
| Dimensions                | 705mm*160mm           |
| Weight of the package     | 9.5 kg                |

*Carbon Filter*

| <b>ELRD 1100A AIR DRYERS</b> |                       |
|------------------------------|-----------------------|
| <b>Description</b>           | <b>Specifications</b> |
| Model                        | ELRD 1100 AC          |
| Capacity*                    | 1100 cfm @ 7 bar      |
| Maximum pressure             | 16 bar.g              |
| Normal working pressure      | 7 bar.g               |
| Dimensions                   | 900mm*1200mm*1725mm   |
| Weight of the package        | 425 kg                |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

| <b>ELRD 500A AIR DRYERS</b> |                       |
|-----------------------------|-----------------------|
| <b>Description</b>          | <b>Specifications</b> |
| Model                       | ELRD 500 AC           |
| Capacity*                   | 500 cfm @ 7 bar       |
| Maximum pressure            | 16 bar.g              |
| Normal working pressure     | 7 bar.g               |
| Dimensions                  | 800mm*1000mm*1350mm   |
| Weight of the package       | 250 kg                |

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| AF 0520P-1 1/2" BSP       |                |
|---------------------------|----------------|
| Description               | Specifications |
| Model                     | AF 0520 P      |
| Capacity*                 | 520 cfm        |
| Maximum pressure          | 20 bar         |
| Normal working pressure   | 7 bar          |
| Main motor nominal rating | NA             |
| Starter                   | NA             |
| Dimensions                | 851mm*151mm    |
| Weight of the package     | 8.0 kgs        |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

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| <b>AF 0520F-1 1/2" BSP</b> |                       |
|----------------------------|-----------------------|
| <b>Description</b>         | <b>Specifications</b> |
| Model                      | AF 0520 F             |
| Capacity*                  | 520 cfm               |
| Maximum pressure           | 20 bar                |
| Normal working pressure    | 7 bar                 |
| Main motor nominal rating  | NA                    |
| Starter                    | NA                    |
| Dimensions                 | 851mm*151mm           |
| Weight of the package      | 8.0 kgs               |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

| <b>AF 0520C-1 1/2" BSP</b> |                       |
|----------------------------|-----------------------|
| <b>Description</b>         | <b>Specifications</b> |
| Model                      | AF 0520 C             |
| Capacity*                  | 520 cfm               |
| Maximum pressure           | 20 bar                |
| Normal working pressure    | 7 bar                 |
| Main motor nominal rating  | NA                    |
| Starter                    | NA                    |
| Dimensions                 | 851mm*151mm           |
| Weight of the package      | 8.0 kgs               |

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| <b>AF 01177P-1 1/2" BSP</b> |                       |
|-----------------------------|-----------------------|
| <b>Description</b>          | <b>Specifications</b> |
| Model                       | AF 01177 P            |
| Capacity*                   | 1177 cfm              |
| Maximum pressure            | 20 bar                |
| Normal working pressure     | 7 bar                 |
| Main motor nominal rating   | NA                    |
| Starter                     | NA                    |
| Dimensions                  | 862mm*240mm           |
| Weight of the package       | 18.5 kgs              |

| <b>AF 01177F-1 1/2" BSP</b> |                       |
|-----------------------------|-----------------------|
| <b>Description</b>          | <b>Specifications</b> |
| Model                       | AF 01177 F            |
| Capacity*                   | 1177 cfm              |
| Maximum pressure            | 20 bar                |
| Normal working pressure     | 7 bar                 |
| Main motor nominal rating   | NA                    |
| Starter                     | NA                    |
| Dimensions                  | 862mm*240mm           |
| Weight of the package       | 18.5 kgs              |

| <b>AF 01177C-1 1/2" BSP</b> |                       |
|-----------------------------|-----------------------|
| <b>Description</b>          | <b>Specifications</b> |
| Model                       | AF 01177              |
| Capacity*                   | 1177 cfm              |
| Maximum pressure            | 20 bar                |
| Normal working pressure     | 7 bar                 |
| Main motor nominal rating   | NA                    |
| Starter                     | NA                    |
| Dimensions                  | 862mm*240mm           |
| Weight of the package       | 18.5 kgs              |

**AUTHORISED DEALER: INDUSTRIAL EQUIPMENT COMPANY**

A - 139, Bhagat Singh Colony

T: 93140 82838 E: sales@iecblwadi.com W: www.industrialaircompressors.in

ELGi - W: www.elgi.com Toll Free: 1800 425 3544



| <b>Vertical Air Receiver 5000 ltrs-10 (4" inlet/outlet) MINI MAKE</b> |                                   |
|---|-----------------------------------|
| <b>Description</b>  | <b>Specifications</b>             |
| Model   | VAR 5000-10                       |
| Capacity*   | 5000 ltrs                         |
| Hydro test Pressure   | 16 bar                            |
| Shell Thickness   | 10 mm                             |
| Dish Thickness  | 12 mm                             |
| Accessories   | ADV, Pressure Guage, Safety Valve |
| Dimensions  | Height 3550mm*Dia 1500mm          |
| Weight of the package   | 1735 kgs                          |

\*For compressors At normal working pressure, All the data above are as per ISO 1217, Annex C

**AUTHORISED DEALER: INDUSTRIAL EQUIPMENT COMPANY**

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ELGI - W: www.elgi.com Toll Free: 1800 425 3544

Comperison Sheet

FS

| S.No | Description   | ELGI         | Competition  | Savings with ELGI            |
|------|---|--------------|--------------|------------------------------|
| 1    | Model   | EG 75        | 75 KW        |                              |
| 2    | Working Pressure  | 7 Bar        | 7 Bar        |                              |
| 3    | FAD in CFM  | 522          | 494          | FAD is more in ELGI          |
| 4    | SFC (Specific Power Consumption)-KW/CFM   | 0.1732       | 0.1947       | Power is Better with ELGI    |
| 5    | Approx. Power Cost for generating 1 CFM considering 8000 running hrs & Rs.8/. Per Unit cost | RS.11,084.00 | RS.12,460.00 | Low Power Cost with Elgi     |
| 6    | Approx. Power Cost for generating 500 CFM   | 5542400      | 6230400      | Low Power Cost with Elgi     |
| 7    | Approx. Saving with Elgi in 1 Year  |              |              | 688000                       |
| 8    | Approx. Saving with Elgi in 5 Years   |              |              | 3440000                      |
|      | Make  | ELGI         | XYZ          | Benefit with ELGI Compressor |
|      | Warranty on Package   | 1yr          | 1yr          | Standard Warranty            |
|      | Warranty on Airand  | 6yr          | 3yr          | More Reliability             |
|      | Warranty on Motor   | 3yr          | 1yr          | More Reliability             |
|      | Warranty on Cooler  | 3yr          | 1yr          | More Reliability             |
|      | Warranty on Oil Seperation Tank   | 3yr          | 1yr          | More Reliability             |
|      | Description   | ELGI         | XYZ          | Remarks                      |

Handwritten notes:   
 - A bracket under '3yr' in the 'Warranty on Motor' row, with '1yr' written above it.   
 - A bracket under '3yr' in the 'Warranty on Cooler' row, with '1yr' written above it.   
 - A bracket under '3yr' in the 'Warranty on Oil Seperation Tank' row, with '1yr' written above it.   
 - A handwritten note 'Best for 3yr' with an arrow pointing to the '3yr' in the 'Warranty on Motor' row.



|  |                            |   |   |                       |   |
|--|----------------------------|---|---|-----------------------|---|
|  |                            |   |   |                       | More oil carry over results in reducing the life of Down Stream filters & pressure drop will occur frequently in filters due to clogging resulting in pressure drop due to which the compressor will consume more power & filters need to be replaced more frequently |
|  | Oil Carry Over             | Less Than 1 PPM                           | less than 2 PPM                           |                       |   |
|  | Warranty on Compressor     | One Year                                  | One year or 4000 Hrs whichever is earlier | Customer satisfaction |   |
|  | Warranty on Air-End        | 6 years or 30000 Hrs whichever is earlier | One year or 4000 Hrs whichever is earlier |                       | We have confidence in our machine that we can offer an Extended warranty of 6 year on Air-End   |
|  | Warranty on Motor          | 3 Years                                   | One year or 4000 Hrs whichever is earlier |                       | We have confidence in our machine that we can offer an Extended warranty of 3 year on Motor   |
|  | Warranty on Cooler         | 3 Years                                   | One year or 4000 Hrs whichever is earlier |                       | We have confidence in our machine that we can offer an Extended warranty of 3 year on Cooler  |
|  | Warranty on Separator Tank | 3 Years                                   | One year or 4000 Hrs whichever is earlier |                       | We have confidence in our machine that we can offer an Extended warranty of 3 year on Separator tank  |

**COMMERCIAL SCHEDULE**

US Bases  
India 2015  
started

Final Rate  
with 5%  
w/o discount

| Qty. | Description   | Unit Price | Discounted Price |
|------|---|------------|------------------|
|      | Gardner Denver Air Compressor Model "L75+A7.5" (75 K.W) (100HP) CFM 520 Oil Lubricated, Air Cooled Rotary Screw Compressor with standard scope of supply as described in the subject offer With IConn Kit   | 23,63,000  | 14,17,800        |
| 1    | Gardner Denver Variable Frequency Drive (VFD) Air Compressor Model "L75+A7.5 RS" IE 3 Main Motor (75 K.W) (100HP) CFM 238-520 Oil Lubricated, Air Cooled Rotary Screw Compressor with standard scope of supply as described in the subject offer With IConn Kit | 31,23,000  | 18,73,800        |
| 1    | Gardner Denver Variable Frequency Drive (VFD) Air Compressor Model "Li37-A10 RS" IE 3 Main Motor (37 K.W) (50HP) CFM 52-242 Oil Lubricated, Air Cooled Rotary Screw Compressor with standard scope of supply as described in the subject offer.                 | 16,57,000  | 9,94,200         |
| 1    | Refrigerant Air Dryer of 1112 CFM With Max Working Pressure of 12 bar "CD315F-A"  | 10,97,700  | 6,58,620         |
| 1    | Refrigerant Air Dryer of 765 CFM With Max Working Pressure of 12 bar "CD216F-A"   | 7,56,400   | 4,53,840         |
| 1    | Refrigerant Air Dryer of 559 CFM With Max Working Pressure of 12 bar "CD160F-A"   | 6,70,900   | 4,02,540         |
| 3    | General Purpose CF0305L3"B High Efficiency Filter"CF0305L3"C & Dry Particulate Filter CF0305L3"E CFM 1077 Each Filter   | 3,82,800   | 2,29,680         |
| 3    | General Purpose CF082L1 1/2"B High Efficiency Filter"CF082L1 1/2"C & Dry Particulate Filter CF082L1 1/2"E CFM 290 Each Filter   | 1,73,100   | 1,03,860         |
| 2    | (Optional) Extended 5 Years warranty (Protect-5) for Model L75+A-7.5  | 54,000     | 54,000           |
| 1    | (Optional) Extended 5 Years warranty (Protect-5) Model Li37-A10 RS  | 21,000     | 21,000           |

NON VFD  
fixed speed

VFD

VFD

Rs. 13,23,280  
Each

Rs. 17,48,880  
Each

Rs. 9,27,920  
Each

Final Rate

Rs. 96,936 / Each

8000 Running hours

Rs. 96,936 / Each

NO Extra charges for labor in price

**The GD Protect 5 Extended Warranty (5 years or 40,000 Hrs) will cover the following**

**Parts:**

- Air End
- Motors
- Separator Vessels
- Air and Oil Coolers
- Variable Speed Drives
- Ventilation Fan Assembly
- Controllers

→ Oil Change - 8000 Running Hours  
cost: 1600/- Per change

→ Oil Separator - 4000 Running Hours  
cost:

TERMS & CONDITIONS

|                             |   |
|-----------------------------|---|
| Prices                      | Price mentioned above are on <b>FOR</b> Basis for supply of mentioned equipment. Price quoted does not include any Taxes or Duties, which shall be extra to purchasers account as applicable at the time of shipment.<br><i>FOR - JAL BND</i> |
| Delivery                    | Within <del>14-18</del> <i>14</i> weeks from the date of receipt of your technically and commercially clear Order with advance.   |
| Duties                      | GST Extra @ 18% <i>✓</i>  |
| Freight & Transit Insurance | Inclusive. <i>✓</i>   |
| Payment Terms               | 100% Payment within 7 days of receipt of material at your site  |
| Validity                    | Prices are valid for <del>30</del> <i>30</i> days and thereafter <del>subject to our confirmation</del>   |
| Warranty                    | 60 months from date of commissioning OR 63 months from date of Invoice, whichever is the earliest. <i>✓</i>   |

Vijendra Singh Shekhawat  
Manager- Sales & Marketing  
Adsar Hydro Controls  
F-773 A, Road No. 6D  
VKIA, Jaipur  
Cell-80033-97773

*Discussed with  
Mr. Shekhawat and  
agreed above.*

*[Signature]*  
*06/12/22*

**TERMS & CONDITIONS**

|  |   |
|--|---|
| → <b>Prices</b>                          | Price mentioned above are on <u>EX-Works, Ahmedabad</u> Basis for supply of mentioned equipment. Price quoted does not include any Taxes or Duties, which shall be extra to purchasers account as applicable at the time of shipment. ✓ → <i>FOR-JALBND. on Freight Paid Ba</i> ✓ |
| → <b>Delivery</b>                        | Within 14-16 Weeks from the date of receipt of your technically and commercially clear Order with advance. ✓  |
| → <b>Duties</b>                          | GST Extra @ 18% ✓   |
| → <b>Freight &amp; Transit Insurance</b> | <del>Extra As Actual</del> <i>Included in above Price.</i>  |
| → <b>Payment Terms</b>                   | <del>30% advance along with PO &amp; balance 70% against PI before dispatch</del>   |
| → <b>Validity</b>                        | Prices are valid for 30 days and thereafter subject to our confirmation   |
| → <b>Warranty</b>                        | <u>60 months</u> from date of commissioning OR <u>63 months</u> from date of Invoice, whichever is the earliest. ✓  |

Vijendra Singh Shekhawat  
Manager- Sales & Marketing  
Adsar Hydro Controls  
F-773 A, Road No. 6D  
VKIA, Jaipur  
Cell-80033-97773

L75+A7.5 Consumable Service Part

| Model    | Part Number | Part Description  | Change   | Qty          | Amount        |
|----------|-------------|---|----------|--------------|---------------|
| L75+A7.5 | SK2-LB5590  | Service Kit A (2000 H) Air Filter & Oil Filter  | 2000 HRS | 1            | 16615         |
|          | SK4-LB5575  | Service Kit B (4000 H) - Air Filter , Oil Filter & Air Oil Seprator Element               | 4000 HRS | 1            | 47421         |
|          | SK2-LB5590  | Service Kit A (2000 H) Air Filter & Oil Filter  | 6000 HRS | 1            | 16615         |
|          | SK4-LB5575  | Service Kit B (4000 H) - Air Filter, Oil Filter & Air Oil Seprator Element and Oil Change | 8000 HRS | 1            | 123513        |
|          |             |   |          |              |               |
|          |             |   |          |              |               |
|          |             |   |          | <b>Total</b> | <b>204164</b> |

L75+A7.5 RS Consumable Part

|             |               |   |          |              |               |
|-------------|---------------|---|----------|--------------|---------------|
| L75+A7.5 RS | SK2-LB5590    | Service Kit A (2000 H) Air Filter & Oil Filter  | 2000 HRS | 1            | 16615         |
|             | SK4-LB5575-RS | Service Kit B (4000 H) - Air Filter , Oil Filter & Air Oil Seprator Element               | 4000 HRS | 1            | 51714         |
|             | SK2-LB5590    | Service Kit A (2000 H) Air Filter & Oil Filter  | 6000 HRS | 1            | 16615         |
|             | SK4-LB5575-RS | Service Kit B (4000 H) - Air Filter, Oil Filter & Air Oil Seprator Element and Oil Change | 8000 HRS | 1            | 127806        |
|             |               |   |          |              |               |
|             |               |   |          | <b>Total</b> | <b>212750</b> |

L137-A10 RS Consumable Part

|             |              |   |          |              |               |
|-------------|--------------|---|----------|--------------|---------------|
| L137-A10 RS | SK2-LB3045   | Service Kit A (2000 H) Air Filter & Oil Filter  | 2000 HRS | 1            | 13870         |
|             | SK4-LB3045RS | Service Kit B (4000 H) - Air Filter , Oil Filter & Air Oil Seprator Element               | 4000 HRS | 1            | 33636         |
|             | SK2-LB3045   | Service Kit A (2000 H) Air Filter & Oil Filter  | 6000 HRS | 1            | 13870         |
|             | SK4-L13045   | Service Kit B (4000 H) - Air Filter, Oil Filter & Air Oil Seprator Element and Oil Change | 8000 HRS | 1            | 90350         |
|             |              |   |          |              |               |
|             |              |   |          | <b>Total</b> | <b>151726</b> |
|             |              |   |          |              |               |
|             |              |   |          |              |               |
|             |              |   |          |              |               |
|             |              |   |          |              |               |
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|             |              |   |          |              |               |
|             |              |   |          |              |               |
|             |              |   |          |              |               |



|                            | Kaiser   | Others  |
|----------------------------|--|---|
| Motors                     | <ol style="list-style-type: none"> <li>1. Standard Siemens, good motors.</li> <li>2. High Super Inverter efficiency.</li> <li>3. 97 watt losses on each of the three motor winding, for stainless to continuously monitor motor's winding temperature.</li> <li>4. Magnet TPC Type motor.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Vendor make/Chinese motor.</li> <li>2. EHV/DFI Motor.</li> <li>3. No NPSB sensor installed.</li> </ol>  |
| Almond                     | <ol style="list-style-type: none"> <li>1. Large sized, with undercuts in the location, and slow speed screw results in increased working hours for the critical components.</li> <li>2. Mechanical side ring seal have no maintenance required.</li> <li>3. Most efficient in the industry.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Smaller sized with geared driven high speed screw, resulting in high vibrations and hence decreased life of components.</li> <li>2. Tight tolerances on shaft which have high degree of wear and tear a life of 20000 to 25000 hrs only.</li> </ol>   |
| Drive                      | <ol style="list-style-type: none"> <li>1. Direct Drive, Motor PWM - Screw RPM (i.e. 0Hz (Inversion/Low))</li> <li>2. Long life, quiet and easy to maintain coupling.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Geared Drive, Slow RPM &gt; Motor RPM (Transition losses and reduced life of components).</li> <li>2. Tight tolerances on shaft which have high degree of wear and tear a life of 20000 to 25000 hrs only.</li> </ol>   |
| Coating                    | <ol style="list-style-type: none"> <li>1. 30 to 40 % large size coating than any competitor, and hence uninterrupted working of machine, even in extreme ambient condition and low viscosity thermoplastics.</li> <li>2. Coaters are placed vertically and outside the competitors, making it easy to clean.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Small sized coating, and hence generally unable to perform under extreme ambient conditions.</li> <li>2. Coaters are placed horizontally and inside the competitors, making it difficult to do regular maintenance.</li> <li>3. Tight tolerances on shaft which have high degree of wear and tear a life of 20000 to 25000 hrs only.</li> </ol> |
| Service                    | <ol style="list-style-type: none"> <li>1. Complete OI is removed early through CNC Quick Release Coupling, making it easy quick and trouble free operation.</li> <li>2. Cost of WAGNER's Synthetic oils is Rs. 600 /lit. (for 6000lit).</li> <li>3. Double AVM Feeding, fully complete compressor on AVM adds eliminating any requirement of oil level, specially critical components such as Motor and Almond on AVM Drive.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Conventional nut is screwed beneath all oil drain ports, and need to be replaced 8000 to 10000 hrs. No ETM is there, they have grease.</li> <li>2. Cost of Synthetic oil is about 1800 /lit.</li> </ol>   |
| Oil Pump & Oil Circulation | <ol style="list-style-type: none"> <li>1. Oil pump made in SS, have no maintenance cost. TTM (Eaton Thermal Management) for Oil circulation is used which is linked with the Sigma Controller. 2</li> </ol>  | <ol style="list-style-type: none"> <li>1. Generally made of rubber hoses, and need to be replaced 8000 to 10000 hrs. No ETM is there, they have Manual Maintenance system.</li> </ol>   |
| Controller                 | <ol style="list-style-type: none"> <li>1. NFD (Noble Frequency Distribution) instead of conventional patented protection, to prevent any unauthorized changes in the running parameters.</li> <li>2. AOT, Frequency, Service duration counter and leak sensor, Data Cycle (Scan Rate), Day Cycle (Interval).</li> <li>3. Inverter: Ethernet, addressable optional communication modules for: Profibus-DP, Modbus, Profnet and DeviceNet.</li> <li>4. ADA (or Air Demand Analysis) capabilities: leak, with graph for pressure, flow and AAD in real time.</li> <li>5. 3 year warranty and full history with 8 GB memory card.</li> <li>6. Selection of Dual, Double, Single, Domestic and overseas control is standard.</li> </ol> | <ol style="list-style-type: none"> <li>1. Password protection only, prone to unauthorized access and thefts.</li> <li>2. Limited debugging capability for a day or 2.</li> <li>3. No ADA capabilities.</li> <li>4. Ethernet connectivity not available, or available at an extra cost.</li> </ol>   |
| Cost/Service/Spares        | <ol style="list-style-type: none"> <li>1. In built centrifugal separator with auto cleaner at the outlet of air cooler.</li> <li>2. Zero Air loss and zero pressure loss for Digital installed (electronic drain valve, 1 for compressor and other for Drier)</li> </ol>   | <ol style="list-style-type: none"> <li>1. In built centrifugal separator but without auto cleaner.</li> <li>2. Generally there is loss and pressure loss during air intake.</li> </ol>  |
| Wiring and Components      | <ol style="list-style-type: none"> <li>1. All the wiring and components is done by EAGLES India.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Generally all the wiring and components are done by their channel partners.</li> </ol>  |

Handwritten scribbles or faint markings at the bottom of the page.

## iConn-Welcome to Industrial Revolution 4.0

- Industrial Modern with high speed cloud server connectivity.
- Shows important compressor details like pressure, temperature, Running Hours, service hours, Live and historical alarm/trips.
- GPS Based systems.
- Optimise service revenue and longer compressor life.
- Optimise resource efficiency due to predictive analysis.
- Messages/Mails for preventive actions on services and for any alarm/trip.
- No any charges in the basic version.

Secure iConn Data Management

Opens to API'S, such as SAP, GE, Oracle, Microsoft



Analytical → Predictive → Cognitive

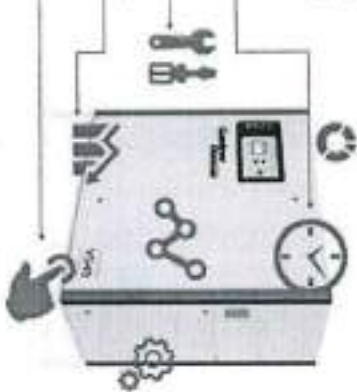


# iConn-Welcome to Industrial Revolution 4.0

## Basic data analytics

Enabling understanding of product performance in the field. This is the easier step to take (and even) to help you understand your total business plan.

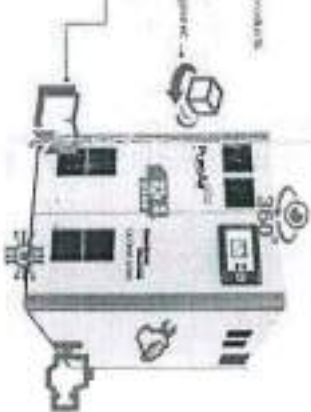
- Maintenance routines can be planned based on real time data.
- Engineers and technicians can be optimized according to the machine schedule.
- Quantities can still occur, however your duration time remains to be seen.
- This, too, high value and you change the whole client experience.



## Augmented reality

This is where the connected service and products are standard with actual workers.

- Typical operations, machine products being demonstrated virtually for the service engineer.
- A direct transfer to the same area as a program without other things being done.



## Predictive maintenance

Accelerating your understanding of machine usage and sensor data. You may not have enough data or good quality sensors.

- However, this, alone of the by drivers, sensors have for their more intelligence and change.
- Always your engineering schedules more forward based on probability of failure.
- Finally, a successful your design analysis and helps the business learn.



## Cognitive

This is where you own the production line. Also, this is the one that learn, however, before learning, they have to be taught.

- Only for get something with an excellent level are pushing the envelope. But they are distributed to the machine.
- A network, algorithms, and in some cases, examples, given recommendations and answers, before the human has analyzed or absorbed the data.





01

IN

# Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**Li Series**  
**30 - 45 kW**



# Intelligent Air Technology

## The New Generation

Industries across the globe rely on CompAir rotary screw compressors for the supply of high quality compressed air. The CompAir Li series air compressor range incorporates the best of CompAir technology, design and quality. To deliver reliable, economical and efficient performance in a completely new package.

The Li series delivers high quality air at volumes at a pressure range between 7 and 10 bar and is available in air cooled versions.

## High Efficiency Air End

Li series screw compression elements are manufactured in-house using the latest CNC rotor grinding machinery, coupled with on-line laser technology, in order to maintain precise manufacturing tolerances.

CompAir's commitment to quality ensures Li series compressors offer the highest levels of reliability and performance with low operating costs throughout the compressor's life.

## Maximum Durability

We maximise service life and durability by eliminating elastomer and thermoplastic pipe and tube in system pressure lines. Replacing them with corrosion resistant stainless steel tubing and passivated zinc coated carbon steel piping. For ease of maintenance we complete the connection with viton sealed grooved couplings and self sealing high pressure compression fittings.

## Belt Free Drive

With direct or gear drive coupling, the belt free drive Li series compressor range not only reduces transmission losses, it improves efficiency and reduces noise. Most importantly, it delivers greater reliability and reduced maintenance costs.





## Energy Efficient Motor

Premium high efficiency TEFC IE3 electric motors are fitted as standard to the entire Li Series screw compressor range. Reducing not only your power consumption but also reducing your CO<sub>2</sub> emissions.

## Intelligent Control

Precise operational control is essential to reduce running costs. Li series rotary screw compressors are supplied with intelligent, fully electronic controllers with efficient monitoring and userfriendly touch screen panel. Ensuring compressor performance is always optimised to meet your system demand.

## Designed for Serviceability

Maintenance personnel love the Li series compressor range. Service access is quick and easy with all doors able to be removed in seconds.

We've also made sure serviceable components including filters are easily accessible and no piping needs to be disconnected to service the separator.

## High Performance Separator

The Li series compressor separation system has twice the surface area of conventional separators.

Offering superior separation & enhancing service life. The separation system produces less than two parts per million oil carry-over, with lower pressure loss than competitive separation designs.

## Heavy Duty Inlet Filter

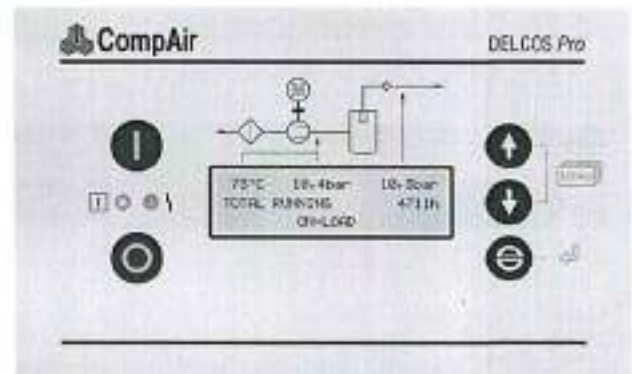
Dirt and dust that enter the compressor can adversely impact lubricant and machine life.

An inlet filter with an efficiency rating of 99% is standard equipment on the Li Series compressor range.

## Delcos Pro Controller

The new control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters. The Delcos Pro also has the capability to have programmable inputs and outputs, control additional equipment as well as providing the following features with a clear readable text.

- Discharge / line pressure & Air display
- Oil temperature display
- Total hours run and loaded hours
- Service due & status indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop / start
- Remote stop / start



- Auto restart on power failure
- Second pressure setting
- Status indication
- RS485-Modbus RTU

## Li Series - Technical Data

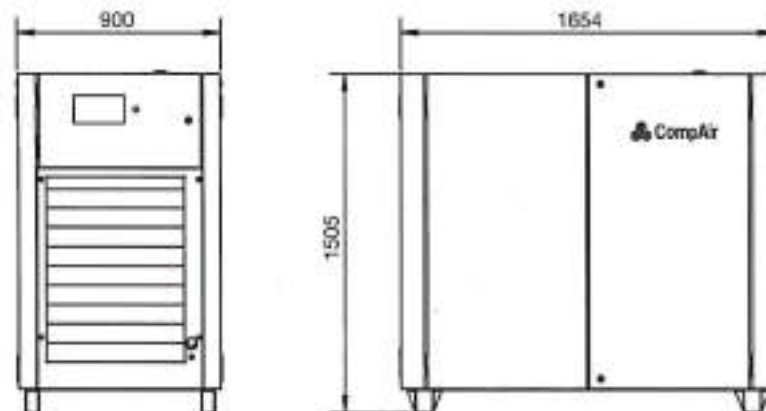
### 30 - 45 kW Fixed Speed

| Compressor Model | Motor Rating [kW] | Free Air Delivered <sup>1)</sup> [m <sup>3</sup> /min] |         |          | Noise Level <sup>2)</sup> [dB(A)] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|-------------------|--|---------|----------|-----------------------------------|-------------|---------------------------|
|                  |                   | 7 bar g  | 8 bar g | 10 bar g |                                   |             |                           |
| Li30             | 30                | 5.8  | 5.7     | 5.3      | 67                                | 900         | 1654 x 900 x 1505         |
| Li37             | 37                | 6.5  | 6.4     | 5.7      | 68                                | 946         | 1654 x 900 x 1505         |
| Li45             | 45                | 7.9  | 7.0     | 7.0      | 69                                | 1020        | 1654 x 900 x 1505         |

<sup>1)</sup> Measured and listed in accordance with ISO 1217 Annex C at the following conditions: Air Inlet Pressure - 1 bar a (14.5 psia), Air Inlet Temperature - 20°C (68°F), Humidity - 0% (dry), Cooling Water Inlet Temperature - 20°C (68°F).

<sup>2)</sup> L<sub>50</sub> (10W)

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.





01

IN

# Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**L45<sup>+</sup> - L132**  
**L55 RS - L132 RS**  
Fixed & Regulated Speed



Quality pays off

CompAir lubricated rotary screw compressors incorporate the very latest technological advances and guarantee a continuous supply of high quality compressed air.

## The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops the L-Series achieving cutting edge performance and efficiency. The L45+ - L132 range of lubricated screw compressors comprises of fixed speed and regulated speed (RS) models. All models are optionally available with integrated heat recovery.

▶ **Pressure Range**  
5 to 13 bar

▶ **Volume Flow**  
2.20 to 22.88 m<sup>3</sup>/min

▶ **Motor Power**  
45 to 132 kW



\*Optional IE 4



## Engineering Excellence

Compressors are more than just a financial investment, they are a key component in ensuring that manufacturers, processors and operators receive consistent, high quality low cost air.

The screw compression element is the heart of the compressor and therefore CompAir keeps the design and manufacture in-house, using the latest CNC rotor grinding machinery, coupled with online laser technology.

The resulting reliability and performance ensures that operating costs will remain low throughout the compressor's life.

**GERMAN**  
**ENGINEERING**  
& DESIGN

## Premium Efficiency Airend

The high output airend with slow rotational speed reduces energy costs. In addition to this, the innovative design of the fail safe shaft seal, integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum to guarantee that the highest levels of quality and reliability are achieved. With the new extended warranty, the airends are covered **up to 5 years or 40,000 hours.\***



\*whichever is soonest.

## Exceptional Reliability & Performance

### ▶ Large Surface After Cooler

Optimum cooling to ensure low operating and discharge temperatures.

### ▶ High Performance Separator Filter

Two stage filtration ensures highest quality air is delivered to your system (< 3 ppm oil carryover). The vessel has a hinged cover for easy maintenance.

### ▶ High Efficiency Electric Motor

The compressors are equipped with an energy saving IE3 electric motor and contribute to lower CO<sub>2</sub> emission levels.

### ▶ Thermostatically Controlled Motor Driven Fan

Highly efficient and extremely quiet fan allows compressor operation in the work place, plus the use of maximum duct length without further assistance.

### ▶ Long Life Premium Synthetic Oil Factory Filled

Specially developed premium lubricant with 8000 hours life to ensure optimum cooling and lubrication of air ends.

### ▶ Highest Quality Connections

Solid hoses and pipe connections with viton vetric couplings.

## Delcos XL Innovative Touch Screen Compressor Controller

The Delcos XL with its high resolution touch screen display is extremely user-friendly and self-explanatory. All functions are clearly structured in five main menus and are intuitively visual. The multilingual Delcos XL control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters, which is essential for reducing your running costs.

### Features & functions

- Home Page - instant overview of the compressor status
- Real Time Clock - allows pre-setting of compressor starting / stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log - for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power Failure
- Optional Base Load Sequencing
- SD Card - stores several run characteristics



### Trend diagrams

With the ability to display detailed system analysis in the form of trend diagrams and graphs, operating parameters can be precisely set to maximise efficiency.

- Line / Network Pressure
- Motor Speed (Regulated Speed)
- On Load Hours / Total Hours Run & Average Volume Flow
- Weekly Average Volume Flow





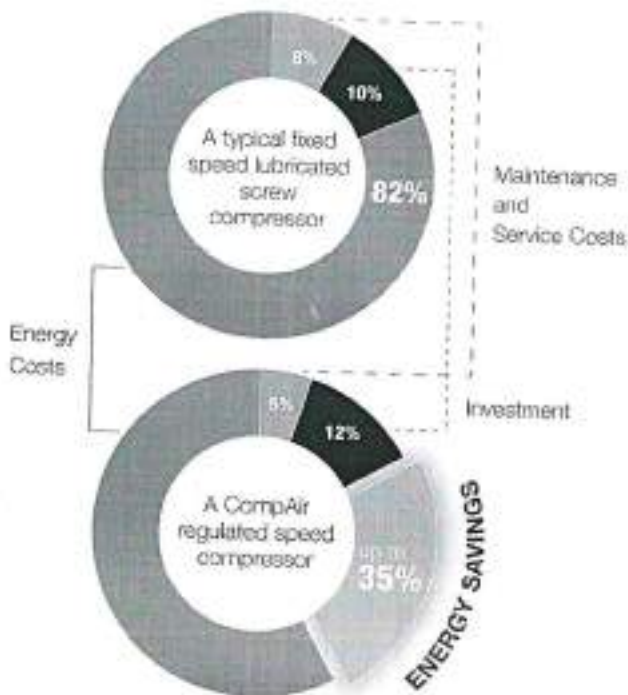
# AirOnDemand

## Regulated Speed Compressors

### The Perfect Response to Individual Air Demands

Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.

The annual cost of ownership can be significantly reduced using regulated speed technology.



### CompAir RS Features are Your Benefits

The L-RS Series products are designed to obtain the greatest efficiency across the entire operating range.

- ▶ **Wide Regulation Range**  
No cycles means substantial energy savings
- ▶ **Perfect Motor - Drive - Airend Design**  
High efficiency across broad flow range

### L75+ and L132 with Efficiency Upgrade

These models feature a an extra large airend with optimised rotor tip speed and achieve up to 8% energy savings.



Typical Airend Size



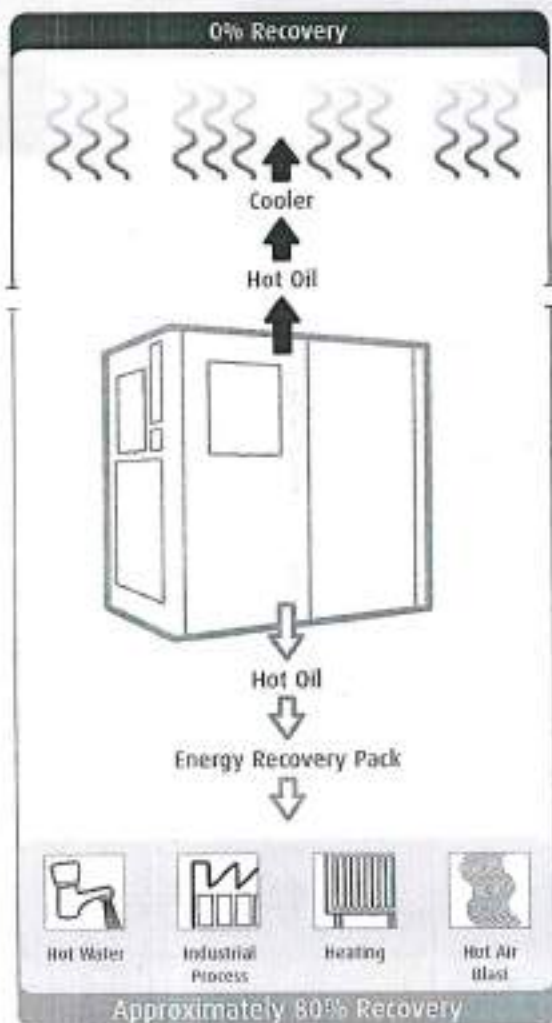
Larger Airend

# AirPlus

## Add Further Value

### Integrated heat recovery

Significant energy and costs savings can be achieved with CompAir's efficient integrated heat recovery system. It can be either factory fitted or supplied as retrofit kit including all necessary pipe-work and fittings.



Visit [www.compair.com](http://www.compair.com) to watch the heat recovery video and to access the energy savings calculation tool.

### Motor Efficiency

As a standard, all compressors of this range are equipped with an energy efficient IE3 electric motor. To achieve even higher levels of efficiency they are optionally available with an IE4 motor.

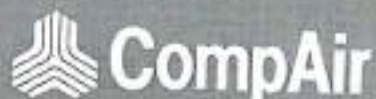


## Compressed Air Purification

A modern production system and process demands increasing levels of air quality.

A CompAir compressed air system utilising the latest technology provides an energy efficient solution at lowest life cycle costs.

- Water Separator
- Compressed Air Filter
- Condensate Drain Solution
- Compressed Air Refrigerant Dryer
- Heatless Desiccant Dryers
- Heat Regenerative Desiccant Dryers
- Nitrogen Generator
- SmartAir Master Multi Compressor Controllers



# The best investment protection you can get



## 5 Years Warranty Upgrade!

The CompAir Extend 5 Warranty and Service programmes will assure you up to 40,000 hours / 5 years<sup>1</sup>. It is one of the most generous warranties available in the industry affording you total piece of mind.

### Your Benefits :

- The CompAir authorised service provider will deliver a guaranteed quality of service
- An Extend 5 service agreement underpinning the warranty will enable accurate maintenance, budgeting and cost of ownership
- The use of genuine CompAir parts and lubricants will maximise compressor life and efficiency

<sup>1</sup> Warranty duration is up to 5 years / 40,000 hours on the whole package, whichever is the shortest.

## iConn Industry 4.0 Solution

Our compressors can be upgraded with iConn, the smart proactive real-time monitoring system, which gives you real-time knowledge about the compressed air system. It enables accurate production planning and total peace-of-mind protection, generating insight and statistics that keep you informed on performance, at the same time highlighting potential issues before they become a problem.



## Compact Design - Easy Installation

The small footprint reduces the space required for installation.

## Easy Servicing

The design of these packages ensures that the service points are readily accessible. The enclosure side doors are hinged and removable to allow complete access to all service points. The reduced number of moving parts further lowers the maintenance costs.

## CompAir Genuine Spare Parts

Enjoy complete peace of mind.

Genuine CompAir parts and lubricants ensure that compressed air plant reliability and efficiency is maintained at the highest standards. CompAir spare parts and lubricants are distinguished by:

- Long service life, even under harshest conditions
- Minimum losses contributing to energy savings
- High reliability improves plant up-time
- Products manufactured with the strictest Quality Assurance Systems



## L-Series - Technical Data

### L45+ - L132 Fixed Speed

| Compressor Model | Nominal Pressure | Drive Motor [kW] | FAD <sup>1)</sup>     |  | Noise Level <sup>2)</sup> [dB(A)] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|------------------|------------------|-----------------------|--|-----------------------------------|-------------|---------------------------|
|                  | [bar g]          |                  | [m <sup>3</sup> /min] |  |                                   |             |                           |
| L45+             | 7.5              | 45               | 8.67                  |  | 69                                | 1725        | 2158 x 1223 x 1971        |
|                  | 10               |                  | 7.40                  |  |                                   |             |                           |
| L55              | 7.5              | 55               | 10.69                 |  | 69                                | 1725        | 2158 x 1223 x 1971        |
|                  | 10               |                  | 9.51                  |  |                                   |             |                           |
|                  | 13               |                  | 8.24                  |  |                                   |             |                           |
| L75+             | 7.5              | 75               | 14.72                 |  | 69                                | 2010        | 2158 x 1223 x 1971        |
|                  | 10               |                  | 12.26                 |  |                                   |             |                           |
| L75              | 7.5              | 75               | 13.24                 |  | 72                                | 1765        | 2158 x 1223 x 1971        |
|                  | 10               |                  | 12.44                 |  |                                   |             |                           |
|                  | 13               |                  | 10.43                 |  |                                   |             |                           |
| L90              | 7.5              | 90               | 17.45                 |  | 73                                | 2513        | 2337 x 1368 x 2039        |
|                  | 10               |                  | 15.47                 |  |                                   |             |                           |
|                  | 13               |                  | 13.45                 |  |                                   |             |                           |
| L110             | 7.5              | 110              | 20.77                 |  | 75                                | 2614        | 2337 x 1368 x 2039        |
|                  | 10               |                  | 18.63                 |  |                                   |             |                           |
|                  | 13               |                  | 16.21                 |  |                                   |             |                           |
| L132             | 7.5              | 132              | 22.87                 |  | 76                                | 2778        | 2337 x 1368 x 2039        |
|                  | 10               |                  | 21.27                 |  |                                   |             |                           |
|                  | 13               |                  | 18.59                 |  |                                   |             |                           |

### L55 RS - L132 RS Regulated Speed

| Compressor Model | Nominal Pressure [bar g] | Drive Motor [kW] | FAD <sup>1)</sup> [m <sup>3</sup> /min] |       | Noise Level at 70% load <sup>2)</sup> [dB(A)] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|--------------------------|------------------|---|-------|---|-------------|---------------------------|
|                  |                          |                  | min.                                    | max.  |   |             |                           |
| L55RS            | 5 - 10                   | 55               | 2.34                                    | 10.31 | 67  | 1725        | 2158 x 1223 x 1971        |
| L75RS            | 5 - 13                   | 75               | 2.20                                    | 13.99 | 71  | 1800        | 2158 x 1223 x 1971        |
| L75+RS           | 5 - 7                    | 75               | 7.00                                    | 14.7  | 72  | 2010        | 2158 x 1223 x 1971        |
| L90RS            | 5 - 13                   | 90               | 4.69                                    | 17.74 | 72  | 2769        | 2337 x 1368 x 2039        |
| L110RS           | 5 - 13                   | 110              | 4.65                                    | 20.82 | 72  | 2770        | 2337 x 1368 x 2039        |
| L132RS           | 5 - 13                   | 132              | 4.65                                    | 22.84 | 74  | 2786        | 2337 x 1368 x 2039        |

- <sup>1)</sup> Data measured and noted in accordance with ISO 1317, Annex 4, Annex C & Annex E and the following conditions:  
 At Inlet Pressure: 1 bar a, Air Inlet Temperature: 20°C, Humidity: 0% (dwt).
- <sup>2)</sup> Measured in free field conditions in accordance with ISO 2151, Annexes 1 & 2 (3A).

# Global Experience – Truly Local Service

With over 200 years of engineering excellence, the CompAir brand offers an extensive range of highly reliable, energy efficient compressors, dryers and accessories to suit all applications.

An extensive network of dedicated CompAir sales companies and distributors across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.



## CompAir Compressed Air Product Range

### Advanced Compressor Technology Lubricated

- Rotary Screw\*
- Piston
- Portable

### Oil-Free

- Two Stage Rotary Screw\*
- Water Injected Screw\*
- Piston
- High Speed Centrifugal - Quantima®
- Rotary Scroll

### Complete Air Treatment Range

- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

### Modern Control Systems

- CompAir Controllers
- SmartAir Master Sequencer
- iConn - Smart Flow Management

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Custom Engineered Solutions
- Local Service Centers
- Genuine CompAir Parts and Lubricants

\* These range of units are available in Fixed and Regulated Speed versions.

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.