



Engineered to Perform

Belt Drive Rotary Screw Compressors

ECO Series 5.5KW-45KW



About Us

Welcome to Nice Compressors Company. We are manufacturing air compressor with a huge range of Air Compressors, Vacuum Pumps and its spare parts. We have developed and innovated the compressed air systems by sustainable efforts. The continuous R&D process has helped in achieving the superior quality at minimum and low cost of products.

Nice Compressors Company offers a wide range of compressed air products from single stage, double stage, high pressure air compressors to large variety of oil free compressors and vacuum pumps.

Our Mission

Help million of factories energy saving production. Making things more easier and cleaner.

Our Vision

Providing high quality and economical Air Compressor with extensive support in after services

Our Value

Quality, Reliability, relationship and service

Quality

Quality is admired at every step. It is a soul of a company. The product is passed only after successive tests and optimum results. We always pursue technology innovation to give best experience and perfect workmanship products to our customer.

Reliability

The products are most reliable due to its quality and technological strength. The design and materials are according to ISO standards.

Relationship

Creating and nurturing a strong relationship with a customer is key to the ongoing success of a business.



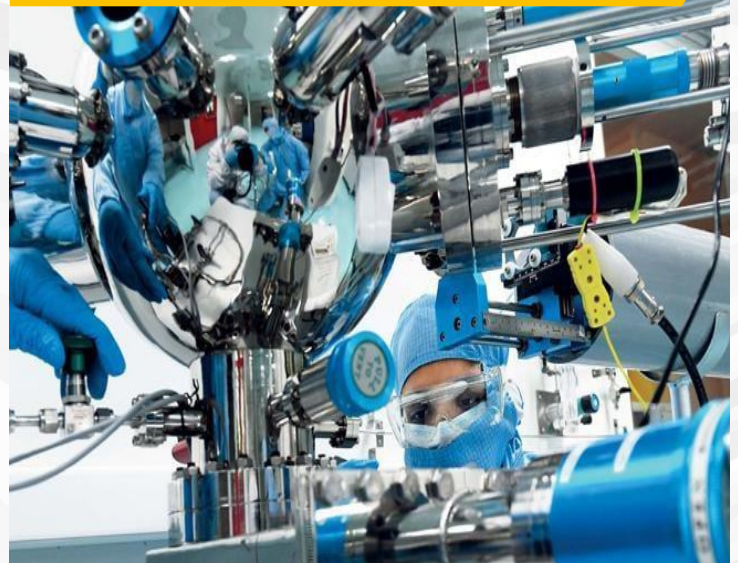
More Defined

Why to buy ECO Series Nice Comp Rotary Screw Compressor?

Nicecomp ECO series Rotary Screw Compressors are designed to get optimum utilisation, great savings and easy availability of Spare Parts and Services. The advance technology used to develop Oil Flooded ECO series Rotary Screw Compressor are highly innovative in technology. Distinguished features are:

- ▶ Robusta and Innovative technology.
- ▶ Easy and Simple design.
- ▶ Economical and Reliable.
- ▶ Easy and economic Sales, Service and Spare Parts.
- ▶ Energy saving with specially designed drives and V belt.

The Technology at its Best



- ▶ Exceptionally durable and efficient cooling technology.
- ▶ User Friendly and accessible Controller.
- ▶ Elegant and smart design Electric Control Panel.
- ▶ Aluminium and Copper after cooler piping technology.

Robusta and Innovative Technology

Robustic Designed Screw Air End



High Profile series Air End designed to give long lasting life and increased air discharge by 10% more.

Easy & Simple Design



Perfectly engineered & designed meeting the international levels. Extra space for maintenance and service. Low vibration sound less canopy with low noise level to 68 dBa. Rugged Air Filter case for element protection. Robusta components used to deliver maximum air with dynamic valves and anti-oil leakages fittings.

Economical and Reliable



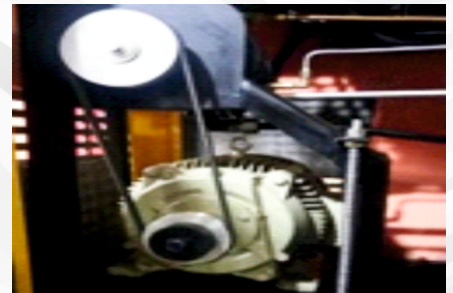
It depends a lot if the product is economic lower cost with utmost reliability. These compressors are tailored to suit every pocket.

Easy availability of sales, Service & Spare Parts



With easy availability of Spares & 24x7 services, Nicecomp Rotary Screw Compressors are more desired product in the market. These spares are easily available with economical cost.

Energy saving with specially designed drives and V belt



It is a great power saving machine with 20% energy saving. The highly efficient Electric motor with IE-2/IE-3 standard power ratings and uniformly designed aluminium drives helps to run the Screw saves more than any other compressor. Easy adjustments and alignments of V Belt helps save precious time.

Exceptionally durable and efficient cooling technology

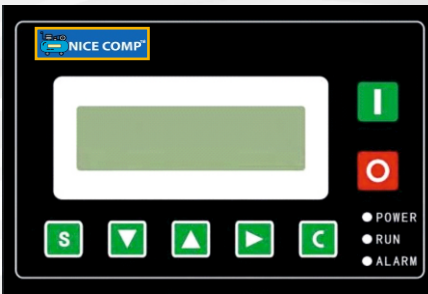
Sequential Cooling - Improves efficiency, service ability and noise level.

- ▶ Standard electronic no-loss drain valves improve efficiency.
- ▶ Independently - mounted, free-floating air and coolant heat exchanger reduce thermal stress and are easier to clean.
- ▶ Lowers discharge temperatures, significantly reducing the energy required to remove condensate in downstream air treatment.

The highly dynamic axial fan with deep duct helps the air to rotate and cool the radiator. Moreover the extra axial fan attached to the motor shaft helps to keep the compressor cool. The high viscosity Synthetic oil keeps the temperature cool with 4,000 / 8,000 hours life.



User Friendly and accessible Controller



Abundant features with built in alarms to keep compressor user friendly and easy accessibility. Highly protective inbuilt features to control the Motor, Electric faults, Temperature and Pressure. Web enabled accessibility helps to monitor as a remote device.

Elegant and smart design Electric Control Panel



Star Delta Electric Controller panel smartly designed: Increased protection of Motor with high quality electrical components.

Aluminium and Copper after cooler piping technology



Aluminium and Copper piping for quick heat absorption of oil and air. Increased flow to radiator. Easy and accessibility to remove and fit.

The depiction of Money saved while buying Nicecomp ECO Series Rotary Screw Compressor

| Savings description 7.5 KW/10 H.P | 1 year | 2 year | 3 year |
|---|---------------|---------------|----------------|
| High temperature control of temperature due to twin fan system (Energy Saved) | 8,200 | 16,400 | 24,600 |
| Economical Services and Spare Parts @ 40% yearly | 20,000 | 45,000 | 70,000 |
| Economical cost saving @30% on initial costing | 35,000 | | |
| High Air End output @ 10% | 8,000 | 4,000 | 22,000 |
| Total Savings In INR | 71,200 | 75,400 | 116,600 |

Buyer's Guide

How to choose the right air compressor:

First, you need to know the size of air compressor you need. The following tips should be noticed.

1. Get to know the air requirement of your tool.
As we all know, some tools consume more air comparing to others, for example, the pneumatic nail-guns, staplers that consume less air, on the contrary, the air grinders and sprayers need much air. So we need to know the air requirements or cubic feet per minute of the tools, whatever you are using or planning to use them. Generally, you can find a usage rating for CFM consumption at a recommended PSI on the tools or within the enclosed owner's manual provided by the tool manufacturer.
 - a. One tool at a time. If you are alone to use the compressor, you have to know the required largest CFM of the tool you may use, and then choose the right size accordingly.
 - b. More than one tools at a time. You need to add up all the CFM of all the tools you may use at the same time, and then determine the size of compressors you need accordingly.
 - c. If your compressor performs well below or above 100PSI, you should to know that the PSI and CFM is contradictory to each other, which means you drop in PSI usage, you get a slightly higher CFM, and vice versa.
2. Refer to the delivered or free CFM rating instead of the displaced CFM rating.
Actually, the displaced CFM and delivered or free CFM are different. The displaced CFM is the perfect standard rating for compressors that can not exist 100% in real world. This CFM comes out by a compressor working in a perfect environment at a total efficiency. As a result, you should decide the right size compressor by referring to the delivered CFM.
3. Choose the right compressors
The correct size number should be your decided CFM and add 20% more. Then what you have to do is pick out the compressors with the matched delivered CFM.

Second, you have to understand what the horsepower rating is.

As a matter of fact, horsepower is not the only component in the processes of producing air by air compressors, and the compressor pump has worked together with horsepower to produce the needed air. You have to remember that bigger the horsepower does not necessarily mean more air produce. But horsepower works together with a quality pump that can produce adequate CFM you need.

However, you should be aware of the differences between the horsepower from manufacturers and the real horsepower of the compressor you would like to buy. Most of the time, the horsepower provided by manufacturers are not the real horsepower of a compressor. It is the peak horsepower, which is the horsepower when the machine is getting start. Generally, the start-up horsepower is 1.5 to 3 times stronger than the normal running horsepower. So it is the real horsepower

instead of the peak horsepower that we should care about.

Third, provide the right voltage to run the compressor.

The voltage is optional to different sorts of compressors. For most of the time, the electric compressors can run properly with a standard 110-volt circuit. However, the electric wheelbarrow compressors is flexible to run with the power varied from 110-volt to 220-volt, which is depending on available power supply for the job. On the other hand, if no other optional gas-powered compressors are available and more air is required, usually the 220-volt motor would be your only choice. Therefore, when you want to buy a stationary shop compressor, you have to know the power supply at your disposal (208v, 230v, or 460v), and the power-phase (single-phase or three-phase).

Sometimes, the power supply failed or is far away, but we do not recommend using a generator to power your compressor for substitute. As generators may damage the compressors if sudden fluctuation in power occur, and it is considered improper usage of compressor and will void any warranty on it. However, we do recommend using a gas-powered compressor when power supply is unavailable, and applied the suggested length and gauge of power cord involved in users manual. You better choose longer (and larger diameter) hose instead of a longer cord. It is commonly known that most electric tools have initial start-up surge which mean more powers are required to start-up than to run, and the disparity of start-up power and normal run power can be as large as 3 times. This also means the amp-draw is 3 times as much.

Forth, use the right mode to run compressor, Stop-start or constant-run.

Stop-start mode means that pressures switch control the pressure level of high and low in the tank by automatically turning on and off the compressor. When the pressure level is lower than designed PSI in the tank, it will auto-turn on. Conversely, it will auto-turn off when the pressure level higher than the designed PSI. This operation is suitable for smaller electric, direct-drive compressors and some smaller wheelbarrow electric compressors.

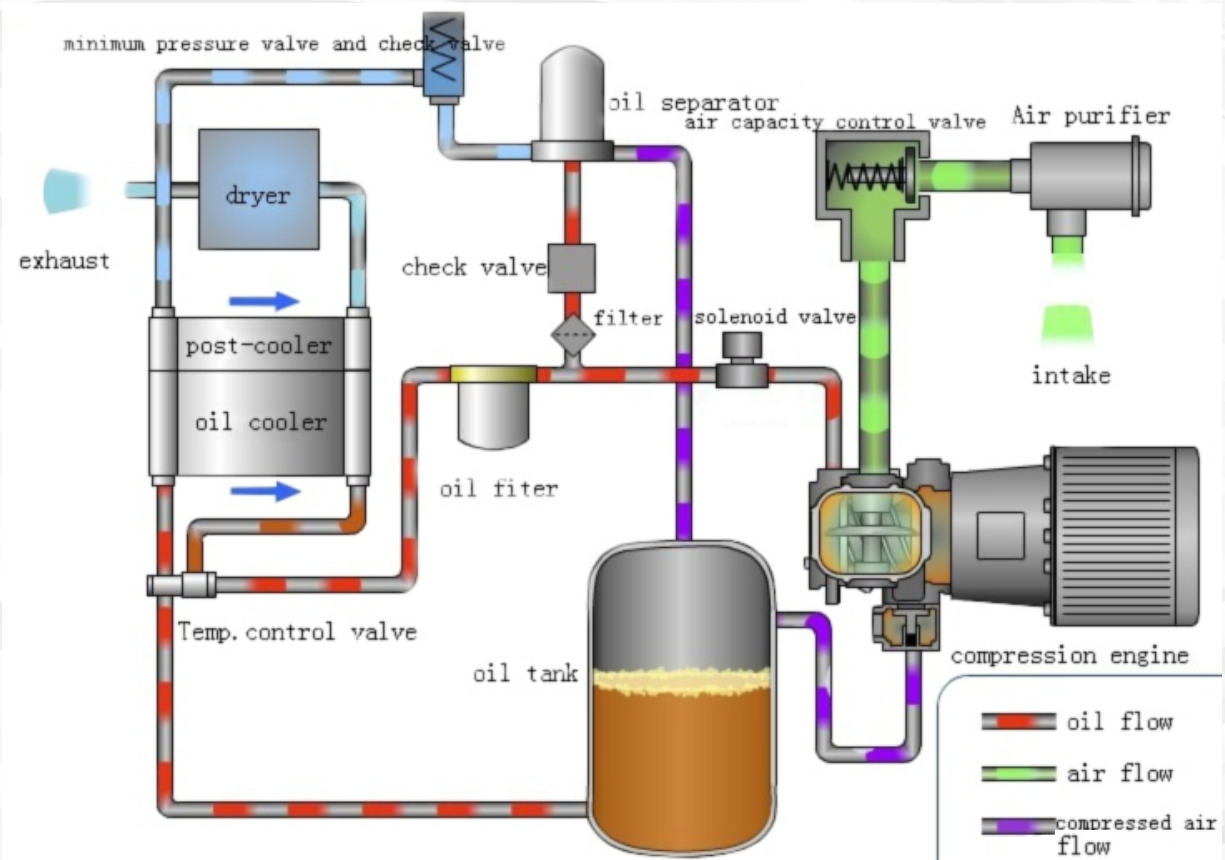
Constant-run mode means to run the pump continuously without stopping the motor. A pilot unloaded-valve is provided to level the designated pressure in the tank. The valve will open to atmosphere when the tank reaches the high-pressure setting so as to keep the compressor running. The valve will closed when the PSI is come to normal and then repeat the work of direct air back into the tank. This mode is more often applied in such tools that heavy and constant flow of air without interruption is required, for instance, a grinder, or sander, or a sprayer.

Generally, constant-run mode is usually used for a compressor that stops and starts more than 20 times per hour so as to protect the compressor from excessive overheat. As we all know, the frequent stop and start of compressor within a short time will produce a huge amount of heat which is more than the motor stays running all the time. Therefore, we should choose the right mode of compressor depending on the actual situation.

Technical Specifications of ECO models

| MODEL No. | ECO 75B 200ltr | ECO10A 500 ltr ECO10B 250 ltr | ECO 15A ECO 15B | ECO 20A ECO 20B | ECO 25A ECO 25B | ECO30A ECO30B | ECO40A ECO40B | ECO50A ECO50B |
|---------------------------------|-------------------|----------------------------------|--------------------|--------------------|--------------------|------------------|------------------|------------------|
| Specifications | | | | | | | | |
| kW / HP | 5.5 / 7.5 | 7.5 / 10 | 12.5 / 15 | 15 / 20 | 18 / 25 | 22 / 30 | 30 / 40 | 37 / 50 |
| M3/Min Cfm L/s @8bar | | 1.5/41/19 | 1.6/60/27 | | | 3.6/127/60 | 5.0/177/83 | 6.2/219/99 |
| M3/Min Cfm L/s @10bar | 0.67/24/11 | 0.7/28/12 | 1.3/46/20 | | | 3.2/113/53 | 4.5/159/7 | 5.6/198/93 |
| Noise Level dBa | 66 | 68 | 68 | 70 | 70 | 72 | 74 | 74 |
| Air Outlet Pipe Connection | ¾" | ¾" | ¾" | 1" | 1" | 1" | 1½" | 1½" |
| Dimension Breath x Height MM | 1412x650x1320 | 955x595x1180 1544x595x1840 | | | | | | |
| Weight (Kgs) | 224 | 262 | 245 | 269 | 375 | 385 | 515 | 545 |

Flow Chart of Rotary Screw Compressor





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