BOURI
COMPRESSORS

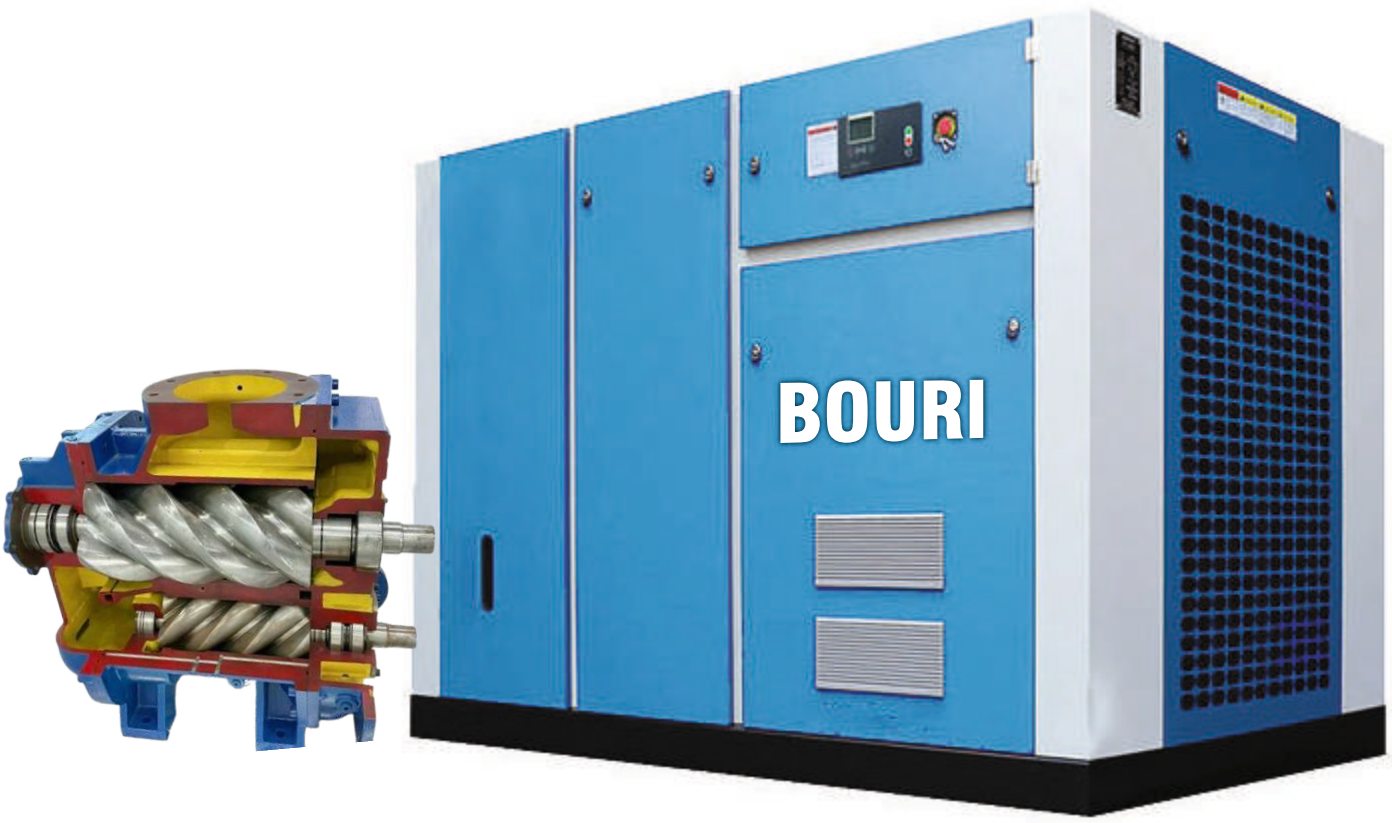
Oil - Injected

Two Stage Rotary Screw

Air Compressor.

Installed Motor Power 55 - 250 kW

Free air delivery from 13.7 to 54 m^3/ min, pressure 8 - 13 bar



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ABOUT US

BOURI COMPRESSORS

BOURI Compressors India Pvt. Ltd. is committed to the research and development, production, and sales of air compressors, compressed air post-treatments, and other related accessory equipment, providing sustainable and energy-saving compressed air drying and purification system solutions for compressor users. Our mission is to Purify Air, Cherish Forests, and Treasure Nature. Under the high quality and fine craftsmanship requirements, we are aiming to assist our customers in achieving their sustainable development goals and empower them to continuously make breakthroughs and gain self-growth in this complex and ever-changing market.

Our company has been striving for development over the past decades, with a focus on products such as oil injected low & medium-pressure air compressors, medium and high-pressure piston and booster air compressors, , compressed air purification treatment systems, etc. Customized air compressor proposals could be offered based on any specific requirements. Feel free to contact us for your very tailor-made air compressor plans.

Mission

Committed to energy conservation, environmental protection, technology development, and protection of the earth

Vision

Committed to energy conservation, environmental protection, technology development, and protection of the earth

Values

Pragmatic, responsible, hard -working, and collaborative

BOURI COMPRESSORS

GAME CHANGER ON ENERGY SAVING:

FIXED SPEED VS VFD:

Compressed air is often called the “fourth utility” in manufactur-ing because it so energy-intensive. Generating compressed air can account for 10–30% of a plant’s electricity costs, . With ener-gy expenses making up as much as 75–80% of a compressor’s lifecycle, improving efficiency matters. This is where Variable Speed Drive (VSD) compressors come in.

WHAT IS A VSD COMPRESSOR?

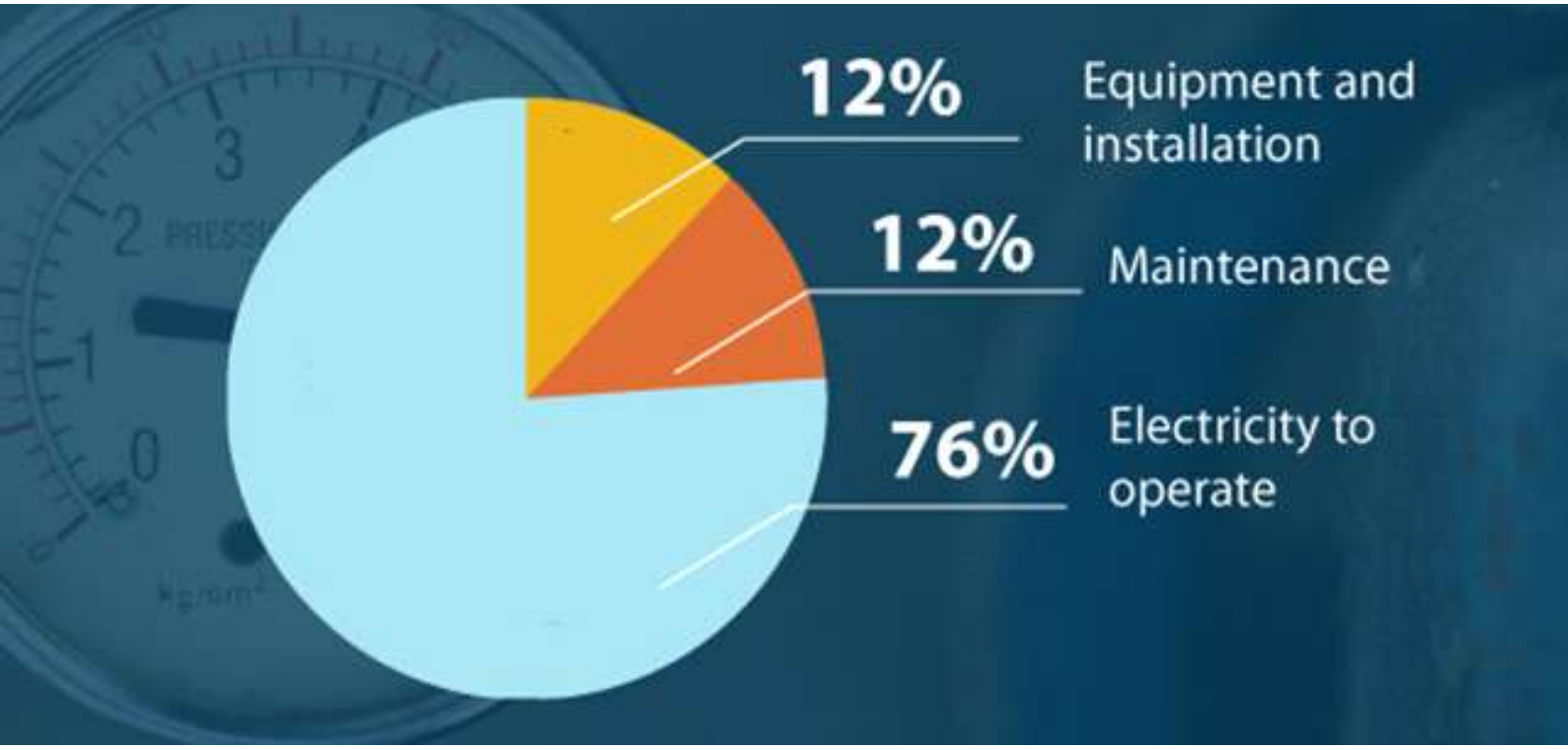
A VSD compressor (Variable Speed Drive compressor) is an air compressor that can adjust motor speed to match air demand in real time. In contrast, a traditional fixed-speed compressor (often called a load/unload compressor) runs at the same speed con-tinuously, either at full throttle or off with little in between.

VSD compressors utilize electronic controllers called a variable-frequency drive (VFD). These VFDs ramp the motor RPM up or down continuously based on air demand feedback (usually via line pressure). When your plant needs more air, the VFD ramps the motor up; when demand drops, it slows the motor down. The change is smooth, so there’s no hard jolt or big power spike at startup. This smart control keeps line pressure steady, cuts elec-tricity use, runs quietly, and puts less strain on internal parts—making a VSD compressor a dependable, energy-saving choice for commercial and industrial facilities.

Because the motor isn’t forced to run full-out when not needed, it draws far less power at part load, cutting energy waste. In fact, using a variable speed compressor can easily save around 25% energy by using just the right amount of energy required to do the job and no more. Depending on the application, energy sav-ings with VSD control can be as high as 50% in some facilities.

In simpler terms: a fixed-speed compressor is either ON at 100% or OFF/idle. A VSD compressor can run at 100%, 80%, 50%, 20%, etc. as needed. This ability to match output to demand gives VSD compressors a huge efficiency, especially in plants where air demand fluctuates.

Energy cost vs maintenance and equipment installation cost.:



BOURI COMPRESSORS INTRODUCED TWO STAGE COMPRESSION THE HIGHEST ENERGY EFFICIENT THAN SINGLE STAGE COM PRESSION IN THE INDUSTRY:

EMC SERIES TWO STAGE COMPRESSION SCREW AIR COMPRESSOR (VSD)

BOURI COMPRESSORS

Ensure the selection of units with the highest energy-saving returns compared to standard screw machines, as the BOURI two-stage compressor can provide more air volume and a larger range of air volume regulation to achieve high efficiency.
The stability of being a leader in the industry is not only a reflection of stability, but also of efficiency, and it can operate strongly and powerful even under harsh working conditions.

When the discharge pressure fluctuation range of the compressor you are currently using is large, and you still want to minimize the operating costs of the system, simply choosing a reliable and efficient air compressor cannot meet your energy-saving needs. BOURI two-stage compression air compressor can make you achieve what you want. The BOURI two-stage compression air compressor has significant energy-saving effects. The advanced system controller brings you stable system pressure, reduces system energy consumption, extends component life, and improves your production efficiency.

Technical Parameters

Models	Flow rate (m3/min) @ 8bar	Flow rate (m3/min) @ 10bar	Flow rate (m3/min) @ 12bar	Power	Noise	Outlet size	Weight
EM55DV	13.7	11.3	8.3	55	70±13	DN65	2100
EM75DV	17.7	14.7	11.7	75	75±3	DN65	2200
EM90DV	20.9	17.9	14.9	90	70±3	DN65	3500
EM110DV	24.6	20.8	17.8	110	75±3	DN80	3600
EM132DV	27.8	24.7	21.7	132	75±3	DN80	3880
EM160DV	33.5	28.5	25.5	160	75±13	DN80	3900
EM185DV	40	34.4	28.7	185	80±3	DN90	4000
EM200DV	42.8	37.2	34.2	200	75±3	DN125	7300
EM220DV	45.9	42.6	39.6	220	75±3	DN125	7500
EM250DV	54.85	49.5	46.5	250	75±3	DN125	7600

LOW PRESSURE SCREW AIR COMPRESSOR

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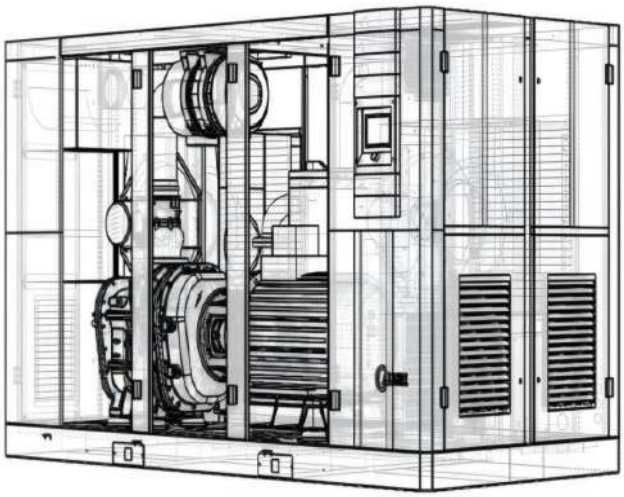
Adopting a large rotor and low speed to ensure high performance of the machine; increase the oil and gas separation equipment to ensure that the oil content at the outlet is less than 2 ppm; low pressure screw air compressor air source cleaning reduces the frequency of cleaning the nozzle of the loading machine and improves product quality; the heat dissipation area of the oil cooler is increased by more than 30% to ensure normal operation in summer without overheating.



Independently design the internal pressure ratio of the host and optimize the input power ratio; intelligent control system that automatically adjusts the exhaust volume according to customer usage (variable frequency model); built-in IoT module, allowing users to monitor the operation status of the air compressor anytime, anywhere through a mobile terminal (user selectable).

Technical Parameters

Models	Flow rate (m3/min) ($3kg/cm^2$)	Power (kW)	Noise dB(A)	Outlet Size	Weight
EM55L	16.00	55	83±3	Dn100	3000
EM75L	21.50	75	85±3	DN100	4300
EM90L	28.00	90	80±3	DN125	4900
EM110L	33.50	110	82±3	DN125	5100
EM132L	40.00	132	85±3	DN150	6900
EM160L	50.00	160	80±3	DN150	7100
EM185L	58.00	185	83±3	DN150	7500
EM200L	62.50	200	79±3	DN200	8600
EM220L	70.00	220	85±3	DN200	8800
EM250L	82.00	250	82±3	DN200	9500
EM315L	95.00	315	85±3	DN250	11000

THE OTHER BASIC ADVANTAGES :

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1. Robust Steel piplng for life long application.

2. Power full intake control for longer life trouble free application.

3. Air cooled version for all models applicable for highest ambient temperature (47 deg. Centigrade) application.

4. 5:6 ROTOR PROFILE DRASTICALLY REDUCES THE RPM AND FRICTIONAL FORCES INCREASED LONGER AIREND LIFE.

5. ULTRA GLIDE SYNTHETIC COOLANT PROVIDED LONGER DRAIN INTERVALS 8000-10000 RUNNING HOURS OR 2 YEARS.

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COMPRESSORS

BOURI COMPRESSORS INDIA PVT. LTD.
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