



HASMAG

Fair Air, Forever...



Fixed speed drive
20HP -100HP

HMD SERIES

ROTARY SCREW AIR COMPRESSORS

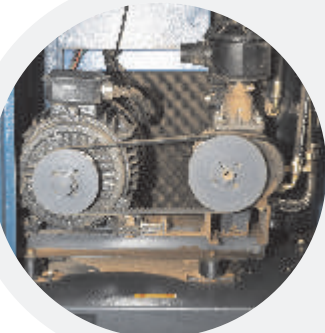
HASMAG Screw Air Compressor



Genuine Original Air End System

Air end is the heart of screw air compressor, it directly influences the energy efficiency and noise.

HASMAG air compressor adopts original German air end Technology with Advance rotor profile of 3rd Generation referred to as 5:6 profile, advanced SAP rotor molded lines, steel forging materials and Germany heat treated process technology for the material of rotors. Hence its efficiency is 15% higher than nodular cast iron and abrasive process technology for the material of rotors.



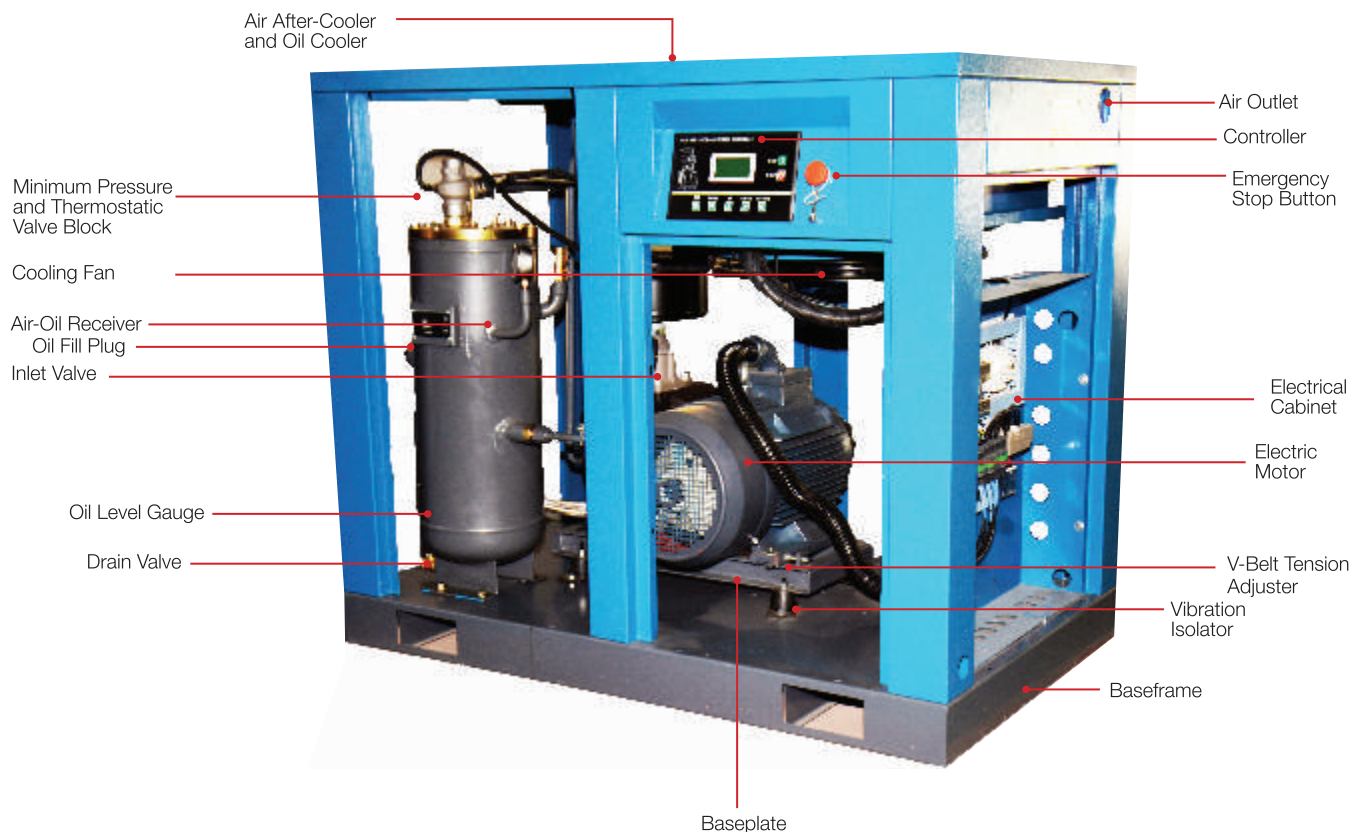
Standard Air End, Low Speed Transmission

Every unit of HASMAG air compressor adopts standard superior air end. There will not be high rotation problems.

When selecting the air end, strictly refer to our principle: the best specific power of low rotation speed.

Genuine low rotation speed and low specific power, gets the maximum efficiency of energy-saving and silence.

HMD-30A shown with panels removed



→ Multi-Function Electronic Controller

The electronic controller automatically monitors and controls the compressor's air, oil and electrical systems. It also tracks scheduled maintenance tasks for key components.

Sophisticated, yet with an intuitive and easy-to-use interface, the controller offers a full range of functions to optimize the compressor's efficiency, performance and reliability.



→ Rotary Screw Air End

Featuring a patented **5:6 asymmetrical rotor profile**, the advanced technology rotary screw air end is amongst the most efficient and reliable in the world. Its inherent durability is further enhanced by operating at very slow rotational speeds.

Perfect quality is assured by precision computer-aided manufacture and verified by meticulous inspection and dynamic testing of every air end.





Unique Cooling Flow Design

Advanced object-oriented design makes the air-end cold and heat exchange more effective.

The special design of gas-oil line of inner metal tube makes the cooling oil lubrication perform fast and it takes off the air end heat in time and totally avoid the high temperature of air end.



Optimum Design of the System

The technology optimizes the system to effectively reduce errors in running, to make the air output more efficient, keeping the energy consumption at a lower level.



Intelligent Control

The industry leading fully automatic control center for time switch and electric components are all chosen from world-renowned electric products and bring to you the resulting sense of reliability and convenience in the use of our air compressors.



Air Inlet Valve

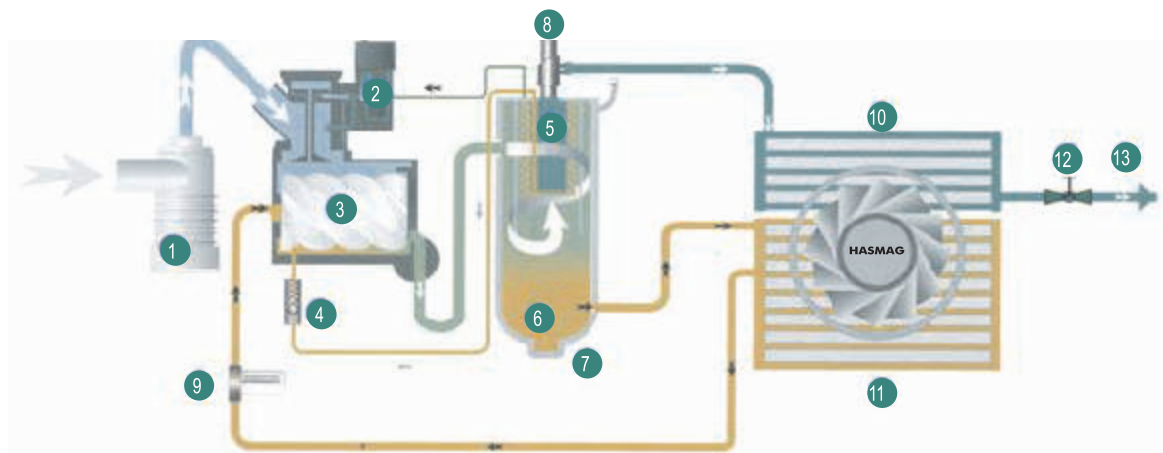
The high-quality air inlet valves can make 0 ~ 100% stepless adjustment to the air delivery of compressor depending on specific demands for terminal air supply, thus reducing the energy consumption. The non-return valve is disposed in an air inlet valve to prevent backflow of air and oil in case of unexpected halt.

Fixed Speed Rotary Screw Air Compressors (20HP-100HP)

Technical Parameters

| Model | | | HMD-20A | HMD-25A | HMD-30A | HMD-40A | HMD-50A | HMD-60A | HMD-75A | HMD-100A |
|---------------------------------|----------|--------|--|---------|---------|---------|---------|---------|---------|----------|
| Air Delivery / Working Pressure | @ 7 bar | m³/min | 2.40 | 3.28 | 3.93 | 5.21 | 6.80 | 7.79 | 10.30 | 13.05 |
| | | cfm | 85 | 116 | 139 | 184 | 240 | 275 | 364 | 461 |
| | @ 8 bar | m³/min | 2.23 | 3.08 | 3.58 | 4.96 | 6.38 | 7.18 | 9.58 | 12.33 |
| | | cfm | 79 | 109 | 127 | 175 | 225 | 254 | 338 | 435 |
| | @ 10 bar | m³/min | 2.15 | 2.72 | 3.20 | 4.38 | 5.67 | 6.74 | 9.03 | 11.78 |
| | | cfm | 76 | 96 | 113 | 155 | 200 | 238 | 319 | 416 |
| | @ 12 bar | m³/min | 1.75 | 2.26 | 2.49 | 3.59 | 4.44 | 5.86 | 7.41 | 10.59 |
| | | cfm | 62 | 80 | 88 | 127 | 157 | 207 | 262 | 374 |
| Compression Stage | | | single stage | | | | | | | |
| Type of cooling | | | A-Air cooled W-Water cooled | | | | | | | |
| Discharge temperature | | ℃ | ambient temperature+15℃ (air cooled) | | | | | | | |

Air cooling system flow diagram



- control piping system
- air inlet line
- oil line
- air line
- oil-air mixture

- 1. air filter
- 2. air inlet valve
- 3. air end
- 4. non-return valve
- 5. oil air separator element

- 6. oil
- 7. oil-air tank
- 8. minimum pressure valve
- 9. oil filter
- 10. after cooler

- 11. oil cooler
- 12. ball valve
- 13. air outlet

Our Global Presence

India | Srilanka | Bhutan
Nepal | Africa | UAE



Our Other Products

- Oil Lubricated Piston Air Compressors
- Oil Free Piston Air Compressors
- Compressed Air Line
- Refrigerant Air Dryers
- Desiccant Air Dryers
- Line Filters



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