

Screw Air Compressor



The enterprise passes the ISO9001:2000 international quality system certification

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Hongkong Fengguang Industry Ltd
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Airstone Screw Air Compressor Manufacturer





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INTRODUCTION

Airstone Group is considered one of the leading manufacturer of air compressor products in Guangdong, China. Airstone has over 500 employees. Our goal is to provide exceptional customer service coupled with quality products and energy saving solutions.

Airstone's primary businesses focus in following key areas:
 Oil-injected rotary screw compressors (Belt driven and Direct driven. Fixed speed and Variable speed. High, Normal and Low pressure.)
 Portable air compressors (Diesel-powered and Electric motor powered)
 Oil free air compressors (Dry type, Scroll type, Piston type and Water-lubricated type)
 Centrifugal compressors

At Airstone, we earn our customers' trust and satisfaction by manufacturing the superior quality compressed air products for all industries. All of our products are designed for reliable performance, easy maintenance, and maximum energy efficiency. Airstone has been exporting to more than 150 countries across the globe. We have the largest international sales and service team in China compressor industry.

Airstone continuously innovates product development and management to meet customers' demand. The powerful enterprise culture and continuous innovation make Airstone improved rapidly to reach the business principle "Energy Saving First, Mutual Value Shared".

Airstone's vision is to be a world-renowned high-end energy-saving machinery brand, with sustainable development, constantly improving its own value and sharing it with our customers and staff, committed to continuously satisfy the needs of global companies by providing a full range of industrial air compression solutions.

WHY CHOOSE US

Choose Airstone , is to choose an Intelligent Steward



POFESSIONAL

Airstone , a compressor manufaturer with advanced machine and profes- sional skills , supporting 24hours online service , have over 20 years experiece in compressor



SERVICE

When you work with Airstone you partner with a team of compressed air experts who prioritise your needs. Our goal is to provide the best outcomes for your business, with modern, reliable equipment that is cost and energy efficient together with the right advice, and an unsurpassed commitment to service. We pride ourselves on our quick response times and reliability.



RELIABLE

We are in the unique position of being able to satisfy all your compressed air requirements. We offer it all under one roof – we produce, sell and service all aspects of compressed air. We understand how important it is for your business to be operational always. Our ability to satisfy all elements of your compressed air requirements, whether it be production, sales, or service, stands us apart in the industry.



HIGH EFFICIENCY

Our standard oil injected screw air compressor meet most factory needs and we also supply Diesel, Electric and Oil Free type air compressors which are suited to projects of all sizes and scope.



INTELLIGENT

Our team of technical experts always aim to provide the right solutions to address your needs. We listen to your concerns and make sure we provide the best advice. Spiralling energy costs are affecting all businesses. To maximise the efficiency of your compressed air system we conduct Air Demand Analysis testing and reports, and examine how your system can be improved to limit energy consumption and save your money. Our experienced team can train your staff in compressed air, adding value to your business.



“How to choose screw air compressor

01

The Higher the IE number, the more energy saving the machine

The formulation of national energy efficiency standards is divided according to specific power, and the value of this value as the evaluation standard is more consistent with the actual use status of customers. The smaller the unit input specific power value, the more power is saved for the machine

02

Consider the safety of compressor operation

Air compressor is a kind of machine working under pressure, which is accompanied by temperature rise and pressure when working, and its operation safety should be put in the first place. Generally, the certified manufacturer's product quality assurance system is complete, and no major quality problems will occur. Even if some problems occur, the manufacturer will be responsible for three guarantees

03

Consider the combination conditions of gas field

If the field is narrow, it should be vertical; If the gas field has long distance change, mobile type shall be considered; If there is no power supply for the use occasion, the diesel engine driven type shall be selected; If there is no tap water for the use occasion, the air-cooled type must be selected

04

Consider the combination conditions of gas field

Generally, the compressed air produced by the air compressor contains a certain amount of lubricating oil and water. In some cases, oil and water are prohibited. At this time, attention should be paid to choose oil free compressor

AIRSTONE HB SERIES

COMPRESSOR

Features

...

Fix Speed Compressor

Direct Driven

Low Energy loss

Star delta starting

Stable compressed air supply



*Technical data for Fix Speed compressor

| Model Number | Pressure | Capacity | | Motor Power | Driven method | Ambient Temperature | Connection Size | Dimensions (mm) Air Cooled | | | Lubricate | Weight | Noise |
|--------------|----------|----------|--------|-------------|---------------|----------------------------|-----------------|----------------------------|-------|--------|-----------|--------|-------|
| | bar | psi | m³/min | cfm | | °C | | Length | Width | Height | Litres | kg | dB(A) |
| AS-10HB | 7 | 100 | 1.2 | 42.4 | 7.5/10 | | RP1/2" | 890 | 650 | 830 | 10 | 180 | 62 |
| | 8 | 116 | 1.1 | 38.8 | | | | | | | | | |
| | 10 | 145 | 0.9 | 31.8 | | | | | | | | | |
| | 12 | 174 | 0.8 | 28.3 | | | | | | | | | |
| AS-15HB | 7 | 100 | 1.7 | 60.0 | 11/15 | | G3/4" | 1000 | 700 | 1050 | 15 | 290 | 62 |
| | 8 | 116 | 1.6 | 56.5 | | | | | | | | | |
| | 10 | 145 | 1.4 | 49.4 | | | | | | | | | |
| | 12 | 174 | 1.1 | 38.8 | | | | | | | | | |
| AS-20HB | 7 | 100 | 2.4 | 84.8 | 15/20 | Direct driven /Belt driven | G3/4" | 1000 | 700 | 1050 | 15 | 290 | 65 |
| | 8 | 116 | 2.2 | 77.7 | | | | | | | | | |
| | 10 | 145 | 2 | 70.6 | | | | | | | | | |
| | 12 | 174 | 1.7 | 60.0 | | | | | | | | | |
| AS-25HB | 7 | 100 | 3.1 | 109.5 | 18.5/25 | | G1" | 1150 | 850 | 1150 | 18 | 400 | 65 |
| | 8 | 116 | 2.85 | 100.6 | | | | | | | | | |
| | 10 | 145 | 2.3 | 81.2 | | | | | | | | | |
| | 12 | 174 | 2.2 | 77.7 | | | | | | | | | |
| AS-30HB | 7 | 100 | 3.6 | 127.1 | 22/30 | | G1" | 1150 | 820 | 1150 | 18 | 410 | 65 |
| | 8 | 116 | 3.4 | 120.1 | | | | | | | | | |
| | 10 | 145 | 3.25 | 114.8 | | | | | | | | | |
| | 12 | 174 | 2.7 | 95.3 | | | | | | | | | |
| AS-40HB | 7 | 100 | 5.2 | 183.6 | 30/40 | | G1" | 1300 | 950 | 1250 | 25 | 780 | 65 |
| | 8 | 116 | 5 | 176.6 | | | | | | | | | |
| | 10 | 145 | 4.3 | 151.9 | | | | | | | | | |
| | 12 | 174 | 3.3 | 116.5 | | | | | | | | | |
| AS-50HB | 7 | 100 | 6.8 | 240.1 | 37/50 | | G1-1/2" | 1450 | 930 | 1300 | 25 | 610 | 65 |
| | 8 | 116 | 6.2 | 218.9 | | | | | | | | | |
| | 10 | 145 | 5.6 | 197.8 | | | | | | | | | |
| | 12 | 174 | 4.0 | 141.3 | | | | | | | | | |
| AS-60HB | 7 | 100 | 8 | 282.5 | 45/60 | | G1-1/2" | 1450 | 930 | 1300 | 30 | 650 | 65 |
| | 8 | 116 | 7.7 | 271.9 | | | | | | | | | |
| | 10 | 145 | 7 | 247.2 | | | | | | | | | |
| | 12 | 174 | 5.7 | 201.3 | | | | | | | | | |
| AS-75HB | 7 | 100 | 10 | 353.1 | 55/75 | | G2" | 1650 | 1200 | 1540 | 30 | 1050 | 72 |
| | 8 | 116 | 9.2 | 324.9 | | | | | | | | | |
| | 10 | 145 | 8.5 | 300.2 | | | | | | | | | |
| | 12 | 174 | 7.6 | 268.4 | | | | | | | | | |
| AS-100HB | 7 | 100 | 13.5 | 476.7 | 75/100 | | G2" | 1800 | 1200 | 1540 | 35 | 1150 | 72 |
| | 8 | 116 | 12 | 423.8 | | | | | | | | | |
| | 10 | 145 | 11.2 | 395.5 | | | | | | | | | |
| | 12 | 174 | 10.2 | 360.2 | | | | | | | | | |
| AS-120HB | 7 | 100 | 16.1 | 568.6 | 90/120 | Direct driven | G2" | 1900 | 1250 | 1570 | 35 | 1240 | 75 |
| | 8 | 116 | 15 | 529.7 | | | | | | | | | |
| | 10 | 145 | 13.8 | 487.3 | | | | | | | | | |
| | 12 | 174 | 12.3 | 434.4 | | | | | | | | | |
| AS-150HB | 7 | 100 | 21 | 741.6 | 110/150 | | DN65 | 2300 | 1470 | 1840 | 60 | 1800 | 75 |
| | 8 | 116 | 18.9 | 667.4 | | | | | | | | | |
| | 10 | 145 | 18.7 | 660.4 | | | | | | | | | |
| | 12 | 174 | 14.5 | 512.1 | | | | | | | | | |
| AS-175HB | 7 | 100 | 25.2 | 889.9 | 132/175 | | DN65 | 2300 | 1470 | 1840 | 160 | 1980 | 75 |
| | 8 | 116 | 24 | 847.5 | | | | | | | | | |
| | 10 | 145 | 21.5 | 759.3 | | | | | | | | | |
| | 12 | 174 | 18.5 | 653.3 | | | | | | | | | |
| AS-200HB | 7 | 100 | 28.7 | 1013.5 | 160/200 | | DN85 | 2700 | 1700 | 2300 | 60 | 2750 | 78 |
| | 8 | 116 | 27.2 | 960.5 | | | | | | | | | |
| | 10 | 145 | 24.6 | 868.7 | | | | | | | | | |
| | 12 | 174 | 21.3 | 752.2 | | | | | | | | | |
| AS-250HB | 7 | 100 | 32 | 1130.0 | 182/250 | | DN85 | 2700 | 1700 | 2300 | 80 | 3250 | 78 |
| | 8 | 116 | 30.5 | 1077.1 | | | | | | | | | |
| | 10 | 145 | 27.5 | 971.1 | | | | | | | | | |
| | 12 | 174 | 24.8 | 875.8 | | | | | | | | | |
| AS-300HB | 7 | 100 | 36.7 | 1296.0 | 220/300 | | DN100 | 3200 | 2000 | 2500 | 80 | 3560 | 82 |
| | 8 | 116 | 34.7 | 1225.4 | | | | | | | | | |
| | 10 | 145 | 30.2 | 1066.5 | | | | | | | | | |
| | 12 | 174 | 27.8 | 981.7 | | | | | | | | | |
| AS-350HB | 7 | 100 | 42.8 | 1511.4 | 250/350 | | DN100 | 3200 | 2000 | 2500 | 120 | 4200 | 82 |
| | 8 | 116 | 40.5 | 1430.2 | | | | | | | | | |
| | 10 | 145 | 38.1 | 1345.5 | | | | | | | | | |
| | 12 | 174 | 34.5 | 1218.3 | | | | | | | | | |

AIRSTONE HVF SERIES

COMPRESSOR

Features

...

- Energy saving 15% compared to Fix speed
- Three phase AC asynchronous motor
- Heat Resistance up to 180°C
- Variable speed compressor / VSD starting



*Technical data for inverter type (HVF Series) compressor

| Model Number | Pressure | Capacity | Capacity | | Motor Power | Ambient Temperature | Connection Size | Dimensions (mm) Air Cooled | | | Lubricate | Weight | Noise |
|--------------|----------|----------|----------|--------|-------------|---------------------|-----------------|----------------------------|-------|--------|-----------|--------|-------|
| | bar | psi | m³/min | cfm | kW/HP | | | Length | Width | Height | Litres | kg | dB(A) |
| AS-10HVF | 7 | 100 | 1.2 | 42.4 | 7.5/10 | -5°C ± 50°C | RP1/2" | 890 | 650 | 830 | 10 | 190 | 62 |
| | 8 | 116 | 1.1 | 38.8 | | | | | | | | | |
| | 10 | 145 | 0.9 | 31.8 | | | | | | | | | |
| | 12 | 174 | 0.8 | 28.3 | | | | | | | | | |
| AS-15HVF | 7 | 100 | 1.7 | 60.0 | 11/15 | | G3/4" | 1000 | 700 | 1050 | 15 | 300 | 62 |
| | 8 | 116 | 1.6 | 56.5 | | | | | | | | | |
| | 10 | 145 | 1.4 | 49.4 | | | | | | | | | |
| | 12 | 174 | 1.1 | 38.8 | | | | | | | | | |
| AS-20HVF | 7 | 100 | 2.4 | 84.8 | 15/20 | | G3/4" | 1000 | 700 | 1050 | 15 | 300 | 65 |
| | 8 | 116 | 2.2 | 77.7 | | | | | | | | | |
| | 10 | 145 | 2 | 70.6 | | | | | | | | | |
| | 12 | 174 | 1.7 | 60.0 | | | | | | | | | |
| AS-25HVF | 7 | 100 | 3.1 | 109.5 | 18.5/25 | | G1" | 1150 | 850 | 1150 | 18 | 410 | 65 |
| | 8 | 116 | 2.85 | 100.6 | | | | | | | | | |
| | 10 | 145 | 2.3 | 81.2 | | | | | | | | | |
| | 12 | 174 | 2.2 | 77.7 | | | | | | | | | |
| AS-30HVF | 7 | 100 | 3.6 | 127.1 | 22/30 | | G1" | 1150 | 850 | 1150 | 18 | 420 | 65 |
| | 8 | 116 | 3.4 | 120.1 | | | | | | | | | |
| | 10 | 145 | 3.25 | 114.8 | | | | | | | | | |
| | 12 | 174 | 2.7 | 95.3 | | | | | | | | | |
| AS-40HVF | 7 | 100 | 5.2 | 183.6 | 30/40 | | G1" | 1300 | 950 | 1250 | 25 | 490 | 65 |
| | 8 | 116 | 5 | 176.6 | | | | | | | | | |
| | 10 | 145 | 4.3 | 151.9 | | | | | | | | | |
| | 12 | 174 | 3.3 | 116.5 | | | | | | | | | |
| AS-50HVF | 7 | 100 | 6.8 | 240.1 | 37/50 | | G1-1/2" | 1450 | 930 | 1300 | 25 | 620 | 65 |
| | 8 | 116 | 6.2 | 218.9 | | | | | | | | | |
| | 10 | 145 | 5.6 | 197.8 | | | | | | | | | |
| | 12 | 174 | 4.0 | 141.3 | | | | | | | | | |
| AS-60HVF | 7 | 100 | 8 | 282.5 | 45/60 | | G1-1/2" | 1450 | 930 | 1300 | 30 | 660 | 65 |
| | 8 | 116 | 7.7 | 271.9 | | | | | | | | | |
| | 10 | 145 | 7 | 247.2 | | | | | | | | | |
| | 12 | 174 | 5.7 | 201.3 | | | | | | | | | |
| AS-75HVF | 7 | 100 | 10 | 353.1 | 55/75 | | G2" | 1650 | 1200 | 1540 | 30 | 1100 | 72 |
| | 8 | 116 | 9.2 | 324.9 | | | | | | | | | |
| | 10 | 145 | 8.5 | 300.2 | | | | | | | | | |
| | 12 | 174 | 7.6 | 268.4 | | | | | | | | | |
| AS-100HVF | 7 | 100 | 13.5 | 476.7 | 75/100 | | G2" | 1800 | 1200 | 1540 | 35 | 1200 | 72 |
| | 8 | 116 | 12 | 423.8 | | | | | | | | | |
| | 10 | 145 | 11.2 | 395.5 | | | | | | | | | |
| | 12 | 174 | 10.2 | 360.2 | | | | | | | | | |
| AS-120HVF | 7 | 100 | 16.1 | 568.6 | 90/120 | | G2" | 1900 | 1250 | 1570 | 35 | 1300 | 75 |
| | 8 | 116 | 15 | 529.7 | | | | | | | | | |
| | 10 | 145 | 13.8 | 487.3 | | | | | | | | | |
| | 12 | 174 | 12.3 | 434.4 | | | | | | | | | |
| AS-150HVF | 7 | 100 | 25.2 | 741.6 | 110/150 | | DN65 | 2300 | 1470 | 1840 | 60 | 1830 | 75 |
| | 8 | 116 | 21 | 667.4 | | | | | | | | | |
| | 10 | 145 | 18.9 | 660.4 | | | | | | | | | |
| | 12 | 174 | 14.5 | 512.1 | | | | | | | | | |
| AS-175HVF | 7 | 100 | 25.2 | 889.9 | 132/175 | | DN65 | 2300 | 1470 | 1840 | 60 | 2000 | 75 |
| | 8 | 116 | 24 | 847.5 | | | | | | | | | |
| | 10 | 145 | 21.5 | 759.3 | | | | | | | | | |
| | 12 | 174 | 18.5 | 653.3 | | | | | | | | | |
| AS-200HVF | 7 | 100 | 28.7 | 1013.5 | 160/200 | | DN85 | 2700 | 1700 | 2300 | 60 | 2800 | 78 |
| | 8 | 116 | 27.2 | 960.5 | | | | | | | | | |
| | 10 | 145 | 24.6 | 868.7 | | | | | | | | | |
| | 12 | 174 | 21.3 | 752.2 | | | | | | | | | |
| AS-250HVF | 7 | 100 | 32 | 1130.0 | 185/250 | | DN85 | 2700 | 1700 | 2300 | 80 | 3300 | 78 |
| | 8 | 116 | 30.5 | 1077.1 | | | | | | | | | |
| | 10 | 145 | 27.5 | 971.1 | | | | | | | | | |
| | 12 | 174 | 24.8 | 875.8 | | | | | | | | | |
| AS-300HVF | 7 | 100 | 36.7 | 1296.0 | 220/300 | | DN100 | 3200 | 2000 | 2500 | 80 | 3600 | 82 |
| | 8 | 116 | 34.7 | 1225.4 | | | | | | | | | |
| | 10 | 145 | 30.2 | 1066.5 | | | | | | | | | |
| | 12 | 174 | 27.8 | 981.7 | | | | | | | | | |
| AS-350HVF | 7 | 100 | 42.8 | 1511.4 | 250/350 | | DN100 | 3200 | 2000 | 2500 | 120 | 4250 | 82 |
| | 8 | 116 | 40.5 | 1430.2 | | | | | | | | | |
| | 10 | 145 | 38.1 | 1345.5 | | | | | | | | | |
| | 12 | 174 | 34.5 | 1218.3 | | | | | | | | | |

AIRSTONE PMC SERIES

COMPRESSOR

Features

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- Energy saving 15% compared to Fix speed
- Three phase AC asynchronous motor
- Heat Resistance up to 180°C
- Variable speed compressor / VSD starting

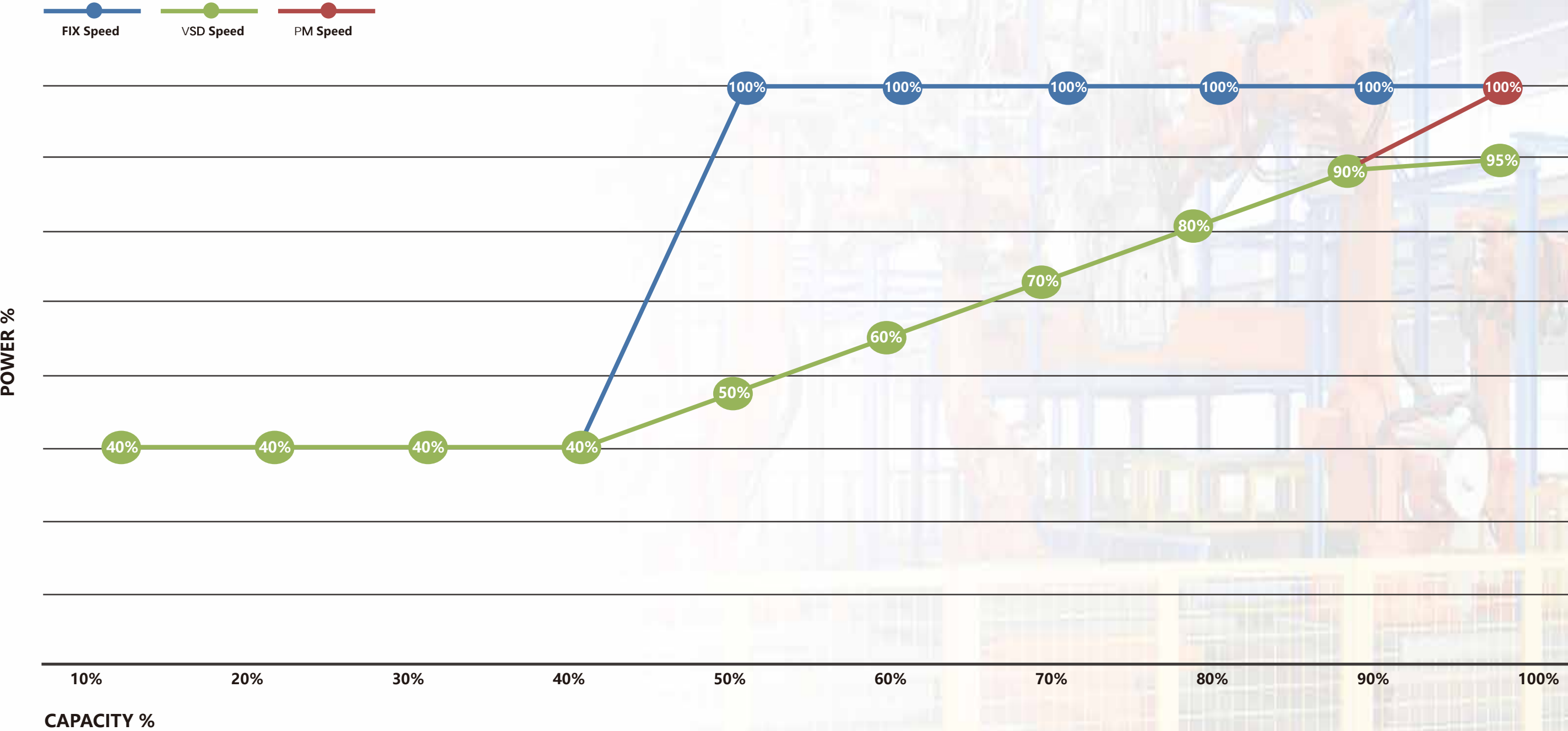


*Technical data For ermanent magnet inverter compressor

| Model Number | Pressure | Capacity | Capacity | Motor Power | Connection Size | Dimensions (mm) Air Cooled | | | Weight | Noise |
|--------------|----------|----------|------------|-------------|-----------------|----------------------------|-------|--------|--------|-------|
| | bar | psi | m³/min | | | Length | Width | Height | | |
| AS-10PMC | 7 | 100 | 0.36-1.14 | 7.5/10 | RP1/2" | 890 | 650 | 830 | 190 | 62 |
| | 8 | 116 | 0.33-1.04 | | | | | | | |
| | 10 | 145 | 0.28-0.855 | | | | | | | |
| AS-15PMC | 7 | 100 | 0.51-1.62 | 11/15 | G3/4" | 1000 | 700 | 1050 | 310 | 62 |
| | 8 | 116 | 0.48-1.52 | | | | | | | |
| | 10 | 145 | 0.42-1.33 | | | | | | | |
| AS-20PMC | 7 | 100 | 0.72-2.3 | 15/20 | G3/4" | 1000 | 700 | 1050 | 320 | 65 |
| | 8 | 116 | 0.66-2.1 | | | | | | | |
| | 10 | 145 | 0.62-1.9 | | | | | | | |
| AS-25PMC | 7 | 100 | 0.93-3.0 | 18.5/25 | G1" | 1150 | 850 | 1150 | 410 | 65 |
| | 8 | 116 | 0.87-2.78 | | | | | | | |
| | 10 | 145 | 0.81-2.2 | | | | | | | |
| AS-30PMC | 7 | 100 | 1.41-3.42 | 22/30 | G1" | 1150 | 850 | 1150 | 420 | 65 |
| | 8 | 116 | 1.1-3.23 | | | | | | | |
| | 10 | 145 | 1.96-3.1 | | | | | | | |
| AS-40PMC | 7 | 100 | 1.59-5.0 | 30/40 | G1" | 1300 | 950 | 1250 | 480 | 65 |
| | 8 | 116 | 1.5-4.83 | | | | | | | |
| | 10 | 145 | 1.35-4.1 | | | | | | | |
| AS-50PMC | 7 | 100 | 2.04-6.2 | 37/50 | G1-1/2" | 1450 | 930 | 1300 | 620 | 65 |
| | 8 | 116 | 1.86-5.9 | | | | | | | |
| | 10 | 145 | 1.68-5.32 | | | | | | | |
| AS-60PMC | 7 | 100 | 2.22-7.6 | 45/60 | G1-1/2" | 1450 | 930 | 1300 | 660 | 65 |
| | 8 | 116 | 2.16-7.3 | | | | | | | |
| | 10 | 145 | 2.04-6.65 | | | | | | | |
| AS-75PMC | 7 | 100 | 3.15-9.5 | 55/75 | G2" | 1650 | 1200 | 1540 | 1100 | 72 |
| | 8 | 116 | 2.88-8.74 | | | | | | | |
| | 10 | 145 | 2.79-8.10 | | | | | | | |
| AS-100PMC | 7 | 100 | 4.18-13.0 | 75/100 | G2" | 1800 | 1200 | 1540 | 1200 | 72 |
| | 8 | 116 | 4.05-11.5 | | | | | | | |
| | 10 | 145 | 3.75-10.8 | | | | | | | |
| AS-120PMC | 7 | 100 | 4.95-16.0 | 90/120 | G2" | 1900 | 1250 | 1570 | 1300 | 75 |
| | 8 | 116 | 4.59-15.0 | | | | | | | |
| | 10 | 145 | 4.17-13.5 | | | | | | | |
| AS-150PMC | 7 | 100 | 4.95-16.0 | 110/150 | DN65 | 2300 | 1470 | 1840 | 1830 | 75 |
| | 8 | 116 | 4.59-15.0 | | | | | | | |
| | 10 | 145 | 4.17-13.5 | | | | | | | |
| AS-175PMC | 7 | 100 | 7.29-24.0 | 132/175 | DN65 | 2300 | 1470 | 1840 | 2000 | 75 |
| | 8 | 116 | 7.14-22.8 | | | | | | | |
| | 10 | 145 | 6.63-20.5 | | | | | | | |
| AS-200PMC | 7 | 100 | 8.61-28.5 | 160/200 | DN85 | 2700 | 1700 | 2300 | 2800 | 78 |
| | 8 | 116 | 8.28-27.2 | | | | | | | |
| | 10 | 145 | 7.38-24.6 | | | | | | | |
| AS-250PMC | 7 | 100 | 9.6-31.0 | 185/250 | DN85 | 2700 | 1700 | 2300 | 3300 | 78 |
| | 8 | 116 | 9.15-29.0 | | | | | | | |
| | 10 | 145 | 7.25-27.5 | | | | | | | |
| AS-300PMC | 7 | 100 | 11.0-35.0 | 220/300 | DN100 | 3200 | 2000 | 2500 | 3600 | 82 |
| | 8 | 116 | 10.3-33.1 | | | | | | | |
| | 10 | 145 | 9.06-29.7 | | | | | | | |
| AS-350PMC | 7 | 100 | 12.6-41.0 | 250/350 | DN100 | 3200 | 2000 | 2500 | 4250 | 82 |
| | 8 | 116 | 12.1-38.5 | | | | | | | |
| | 10 | 145 | 11.4-36.2 | | | | | | | |

AIRSTONE HB, HVF PMC SERIES COMPARISION

| | | | | | | | | | | | |
|-----------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| Capacity | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% | 110% |
| FIX speed | 40% | 40% | 40% | 40% | 40% | 100% | 100% | 100% | 100% | 100% | 100% |
| VSD speed | 40% | 40% | 40% | 40% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |
| PM speed | 40% | 40% | 40% | 40% | 40% | 50% | 60% | 70% | 80% | 90% | 95% |



AIRSTONE BD SERIES

COMPRESSOR

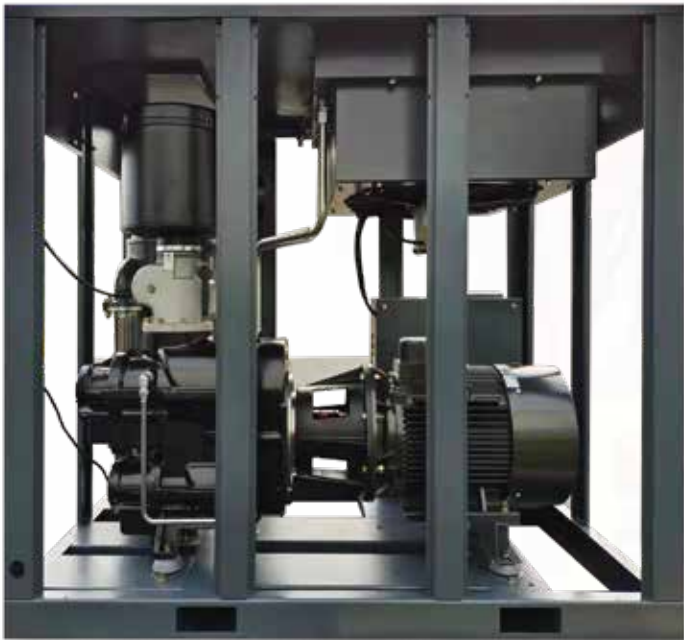
Features

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- Double stage PM Variable speed compressor
- High efficiency IE4 synchronous motor
- Energy saving above 31%
- High discharge capacity/VSD soft starting



The enterprise passes the ISO9001:2000 international quality system certification



*Technical data For Double stage compressor

| Model Number | Pressure | Capacity | Capacity | Motor Power kW/HP | Connection Size | Dimensions (mm) Air Cooled | | | Weight kg | Lubricate Litres | Noise dB(A) |
|--------------|----------|----------|----------|----------------------|-----------------|----------------------------|-------|--------|--------------|---------------------|----------------|
| | bar | psi | m³/min | | | Length | Width | Height | | | |
| AS-30BD | 7 | 100 | 4.2 | 22/30 | RP1 1-2 | 1580 | 1080 | 1290 | 760 | 22 | 68 |
| | 8 | 116 | 4.1 | | | | | | | | |
| | 10 | 145 | 3.5 | | | | | | | | |
| | 13 | 190 | 3.2 | | | | | | | | |
| AS-40BD | 7 | 100 | 6.4 | 30/40 | RP1 1-2 | 1880 | 1180 | 1520 | 980 | 30 | 68 |
| | 8 | 116 | 6.3 | | | | | | | | |
| | 10 | 145 | 4.9 | | | | | | | | |
| | 13 | 190 | 4.2 | | | | | | | | |
| AS-50BD | 7 | 100 | 7.1 | 37/50 | RP1 1-2 | 1880 | 1180 | 1520 | 1080 | 36 | 68 |
| | 8 | 116 | 7.0 | | | | | | | | |
| | 10 | 145 | 5.8 | | | | | | | | |
| | 13 | 190 | 5.4 | | | | | | | | |
| AS-60BD | 7 | 100 | 9.8 | 45/60 | RP2 | 2180 | 1430 | 1720 | 1980 | 45 | 68 |
| | 8 | 116 | 9.7 | | | | | | | | |
| | 10 | 145 | 7.8 | | | | | | | | |
| | 13 | 190 | 6.5 | | | | | | | | |
| AS-75BD | 7 | 100 | 12.2 | 55/75 | RP2 | 2180 | 1430 | 1720 | 2180 | 48 | 72 |
| | 8 | 116 | 12.0 | | | | | | | | |
| | 10 | 145 | 9.6 | | | | | | | | |
| | 13 | 190 | 8.6 | | | | | | | | |
| AS-100BD | 7 | 100 | 16.8 | 75/100 | RP2 | 2180 | 1430 | 1720 | 2280 | 54 | 72 |
| | 8 | 116 | 16.5 | | | | | | | | |
| | 10 | 145 | 12.5 | | | | | | | | |
| | 13 | 190 | 11.2 | | | | | | | | |
| AS-120BD | 7 | 100 | 19.8 | 90/120 | RP2 1-2 | 2780 | 1580 | 2160 | 3200 | 65 | 75 |
| | 8 | 116 | 19.2 | | | | | | | | |
| | 10 | 145 | 16.9 | | | | | | | | |
| | 13 | 190 | 14.3 | | | | | | | | |
| AS-150BD | 7 | 100 | 23.6 | 110/150 | RP2 1-2 | 2780 | 1580 | 2160 | 3360 | 70 | 75 |
| | 8 | 116 | 23.1 | | | | | | | | |
| | 10 | 145 | 19.7 | | | | | | | | |
| | 13 | 190 | 17.6 | | | | | | | | |
| AS-175BD | 7 | 100 | 30.7 | 132/175 | DN80 | 2980 | 1880 | 2160 | 3450 | 80 | 75 |
| | 8 | 116 | 28 | | | | | | | | |
| | 10 | 145 | 23.5 | | | | | | | | |
| | 13 | 190 | 19.8 | | | | | | | | |
| AS-200BD | 7 | 100 | 34.5 | 160/200 | DN80 | 2980 | 1880 | 2160 | 3850 | 110 | 78 |
| | 8 | 116 | 33.6 | | | | | | | | |
| | 10 | 145 | 30 | | | | | | | | |
| | 13 | 190 | 23.8 | | | | | | | | |
| AS-250BD | 7 | 100 | 41 | 185/250 | DN100 | 3388 | 2200 | 1960 | 4980 | 150 | 78 |
| | 8 | 116 | 38.4 | | | | | | | | |
| | 10 | 145 | 32.5 | | | | | | | | |
| | 13 | 190 | 28.6 | | | | | | | | |
| AS-300BD | 7 | 100 | 44.6 | 220/300 | DN100 | 3388 | 2200 | 1960 | 5390 | 160 | 82 |
| | 8 | 116 | 43 | | | | | | | | |
| | 10 | 145 | 38.5 | | | | | | | | |
| | 13 | 190 | 28.6 | | | | | | | | |
| AS-350BD | 7 | 100 | 50 | 250/350 | DN125 | 4120 | 2130 | 2000 | 6800 | 180 | 82 |
| | 8 | 116 | 54 | | | | | | | | |
| | 10 | 145 | 46 | | | | | | | | |
| | 13 | 190 | 40 | | | | | | | | |

AIRSTONE

LOW PRESSURE SINGLE
STAGE LP SERIESE
COMPRESSOR

PM variable speed type compressor
Large rotor with low speed



*Technical data For Low Pressure double compressor

| Model | Air flow m/min | | | Power Kw | Noise Db | Outlet | size(mm) | | | Weight kg |
|---------|----------------|-------------|-------------|----------|----------|--------|----------|-------|--------|-----------|
| | 0.15-0.3Mpa | 0.4Mpa | 0.5Mpa | | | | Length | Width | Height | |
| AS37LP | 4.00-12.00 | 3.30-10.00 | 3.00-9.00 | 37 | 65 | DN80 | 2400 | 1760 | 1700 | 2500 |
| AS45LP | 5.00-15.00 | 3.83-11.50 | 3.67-11.00 | 45 | 65 | DN80 | 2400 | 1760 | 1700 | 2500 |
| AS55LP | 5.83-17.50 | 5.67-17.00 | 4.83-14.50 | 55 | 70 | DN80 | 2400 | 1760 | 1700 | 2600 |
| AS75LP | 7.17-21.50 | 7.00-21.00 | / | 75 | 70 | DN100 | 2800 | 1860 | 1900 | 3200 |
| AS90LP | 9.60-28.80 | / | 7.17-21.50 | 90 | 72 | DN100 | 2800 | 1860 | 1900 | 3300 |
| AS110LP | 11.00-33.00 | 9.50-28.50 | 9.33-28.00 | 110 | 72 | DN125 | 2900 | 2100 | 2150 | 4500 |
| AS132LP | 15.80-47.40 | 10.83-32.50 | / | 132 | 78 | DN125 | 2900 | 2100 | 2150 | 4500 |
| AS160LP | / | 15.67-47.00 | / | 160 | 78 | DN125 | 3000 | 2200 | 2180 | 4700 |
| AS185LP | / | / | 15.50-46.50 | 185 | 78 | DN125 | 3000 | 2200 | 2180 | 4700 |

Features



01

With suitable pressure to obtain the best exhaust volume with less energy consumption

02

The use of low-pressure screw air compressors saves more than 30% of electricity compared with the use of 0.7-0.8Mpa screw air compressors

03

Special customization for textile industry machine and embroidery industry

04

Full LCD touch screen controller, adopts advanced PID fuzzy control, high-efficiency permanent magnet motor, and the protection level reaches IP55

05

Low noise, small leakage, high efficiency, 15~20% energy saving than piston machine

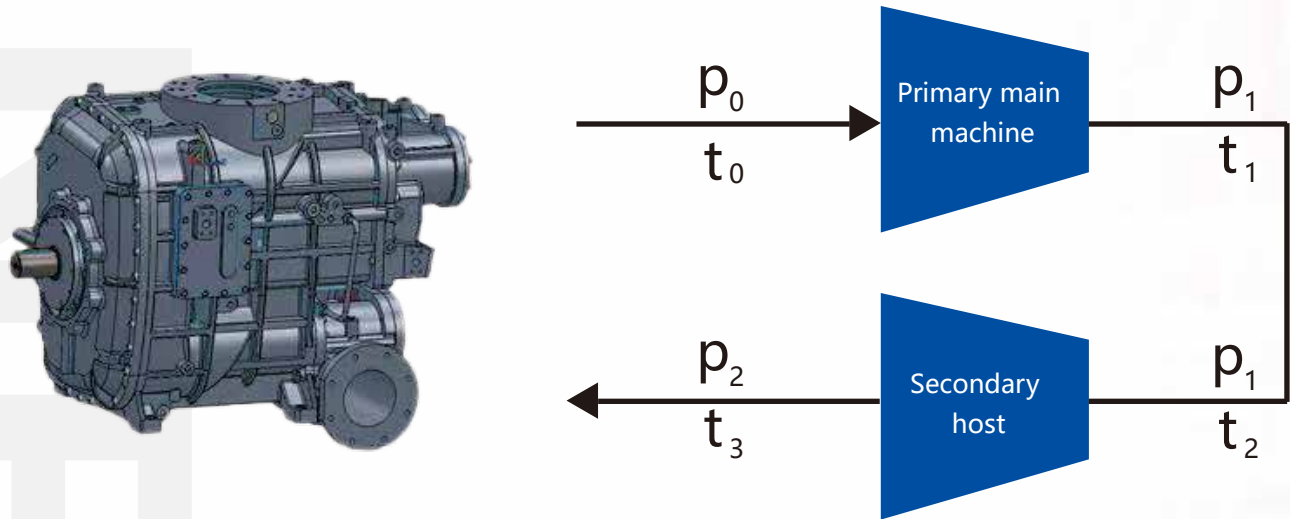
*Technical data For Pressure Double Stage Compressor

| Low Pressure Double Stage Screw Air Compressor | | | | | | | | | |
|--|-------------|-------------|----------|----------|--------|-----------|----------|-------|--------|
| Model | Capacity | | Power Kw | Noise Db | Outlet | Weight kg | size(mm) | | |
| | 0.45-0.5Mpa | 0.55Mpa | | | | | Length | Width | Height |
| AS37LDM | 3.43-10.30 | 3.2-9.6 | 37 | 68 | G2 | 1438 | 2300 | 1300 | 1830 |
| AS45LDM | 4.27-12.8 | 3.93-11.8 | 45 | 70 | G2 | 1534 | 2300 | 1300 | 1830 |
| AS55LDM | 5.17-15.5 | 4.83-14.5 | 55 | 70 | DN65 | 1980 | 2400 | 1630 | 1980 |
| AS75LDM | 6.9-20.70 | 6.33-19.00 | 75 | 72 | DN65 | 2080 | 2400 | 1630 | 1980 |
| AS90LDM | 8.53-25.60 | 7.86-23.60 | 90 | 72 | DN65 | 4700 | 2800 | 1828 | 2150 |
| AS110LDM | 11.67-35.00 | 10.33-31.00 | 110 | 72 | DN80 | 4850 | 2800 | 1828 | 2150 |
| AS132LDM | 12.83-38.50 | 11.66-35.00 | 132 | 78 | DN80 | 4850 | 2800 | 1828 | 2150 |
| AS160LDM | 14.67-44.00 | 14.00-42.00 | 160 | 78 | DN125 | 5000 | 3000 | 1900 | 2190 |
| AS185LDM | 17.00-51.00 | 15.60-47.00 | 185 | 78 | DN125 | 5300 | 3000 | 1900 | 2190 |

Energy saving principle of low pressure double stage air compressor

...

The oil injected screw air compressor adopts bipolar compression to improve the energy efficiency of the compressor. The bipolar compression screw host adopts two-stage segmented compression, namely the first stage compression and the second stage compression. After the first stage compression, oil and gas can be fully mixed between stages to reduce the suction temperature of the second stage compression, thus reducing power consumption



“ Advantages and Features

...

01

Permanent magnet motor+efficient two-stage compressor host+permanent magnet frequencyconversion controltechnology, saving 1 kilowatthour of electricity per cubic meter of compressed air produced by a single low-voltage host

02

New generation of frequency conversion control system, with pressure fluctuation controlled within $\pm 0.01\text{Mpa}$, almost no energy loss caused by pressure rise

03

Energy loss caused by non unloading state directly saves 45% of no-load power consumption

04

High performance frequency converter, small starting impact, avoid starting overload

05

Specially designed frequency conversion cabinet, the operation is still perfect when the temperature reaches $45\text{ }^{\circ}\text{C}$

Integratged screw
AIR COMPRESSOR SERIES
(4 in 1 compressor) 8bar

...

including compressor, air dryer, tank and 4 pcs of line filter
Pressure:8bar-12bar/easy to install



New design



| *Technical data Fix speed 4 in 1 compressor | | | | | | | | | |
|---|----------|-------------|-----------------|----------------------------|-------|--------|--------|-------------|-------|
| Model Number | Capacity | Motor Power | Connection Size | Dimensions (mm) Air Cooled | | | Weight | Tank volume | Noise |
| | m³/min | kW/HP | | Length | Width | Height | kg | Litre | dB(A) |
| AS-7.5A/8 | 0.75 | 5.5kw/7.5hp | G1/2" | 1206 | 700 | 1285 | 260 | 150 | 62 |
| AS-10A/8 | 1.1 | 7.5kw/10hp | G1/2" | 1400 | 700 | 1380 | 310 | 230 | 62 |
| AS-10A/8 (New) | 1.1 | 7.5kw/10hp | G1/2" | 1400 | 700 | 1380 | 310 | 230 | 62 |
| AS-15A/8 | 1.6 | 11kw/15hp | G3/4" | 1450 | 750 | 1500 | 430 | 230 | 65 |
| AS-20A/8 | 2.2 | 15kw/20hp | G3/4" | 1450 | 750 | 1500 | 430 | 300 | 65 |
| AS-20A/8 (New) | 2.2 | 15kw/20hp | G3/4" | 1550 | 850 | 1500 | 430 | 400 | 65 |

| *Technical data PM variable speed 4 in 1 compressor | | | | | | | | | |
|---|----------|-------------|-----------------|----------------------------|-------|--------|--------|-------------|-------|
| Model Number | Capacity | Motor Power | Connection Size | Dimensions (mm) Air Cooled | | | Weight | Tank volume | Noise |
| | m³/min | kW/HP | | Length | Width | Height | kg | Litre | dB(A) |
| AS-7.5A/8 | 0.75 | 5.5kw/7.5hp | G1/2" | 1206 | 700 | 1285 | 260 | 150 | 62 |
| AS-10A/8 | 1.1 | 7.5kw/10hp | G1/2" | 1400 | 700 | 1380 | 310 | 230 | 62 |
| AS-10A/8 (New) | 1.1 | 7.5kw/10hp | G1/2" | 1400 | 700 | 1380 | 310 | 230 | 62 |



Integratged screw AIR COMPRESSOR SERIES

(4 in 1 compressor) 16bar

...

16bar ingrated screw air compressor for laser cutting machine
including compressor, air dryer, tank and 4 pcs of line filter
Pressure:16 bar/Permanent magnet inverter Type



The enterprise passes the ISO9001:2000 international quality system certification

| *Technical data | | | | | | | | | | |
|-----------------|----------|-------------|-----------------|----------------------------|-------|--------|--------|--------------------|-------|---------------------|
| Model Number | Capacity | Motor Power | Connection Size | Dimensions (mm) Air Cooled | | | Weight | Tank volume | Noise | Maximum oil content |
| | m³/min | kW/HP | | Length | Width | Height | kg | Litre | dB(A) | ppm |
| AS-15A/16 | 1.1 | 11kw/15hp | G3/4" | 1450 | 860 | 1600 | 470 | 300litre | 65 | 0.001 |
| AS-20A/16 | 1.4 | 15kw/20hp | G3/4" | 1450 | 860 | 1600 | 470 | 300litre | 65 | 0.001 |
| AS-30A/16 | 2.3 | 22kw/30hp | G1" | 1650 | 1060 | 1750 | 515 | 300litre | 65 | 0.001 |
| AS-30C/16 | 2.3 | 22kw/30hp | G1" | 1950 | 1450 | 2300 | 810 | 600litre/1000litre | 65 | 0.001 |
| AS-50C/16 | 3.4 | 22kw/30hp | G1" | 1530 | 1830 | 2350 | 1300 | 1000litre | 70 | 0.001 |

16 bar combined screw AIR COMPRESSOR

...

applicant: for laser cutting machine
combined type with dryer and tank
easy to install



ADDITIONAL FUNCTION

INTELLIGENT CONTROL

...

The touch screen remote monitoring system for screw air compressors is a system developed on our programmable-touch screen platform to monitor the operation of multiple air compressors through a touch screen. The system has the following advantages.



Advantages

- The operation of 1-8 air compressors can be monitored by setting.

- Intelligent constant pressure, automatically switch the operation of the network hollow compressor. Ensure that each piece of equipment has a balanced operating time during a maintenance cycle.

- During joint control operation, the number of operating devices in the network can be limited to prevent more equipment from being turned on when the pressure is not enough, which will impact the user's power grid. It is suitable for occasions where the user's incoming power is insufficient; It saves energy and saves money for users.

- Support accumulated running time priority mode and designated order priority mode. In the accumulated running time priority mode, it supports priority operation of variable frequency machines in industrial frequency and variable frequency networks to achieve constant voltage. When the order priority mode is specified, different priority operation orders can be set from Monday to Sunday.

- When the joint control is stopped, it supports to automatically send shutdown instructions to all devices in the network according to the interval. Achieve one-key shutdown.

- Joint control screen have 50 log records, record the last 50 start and stop joint control information, and the control commands actively sent by the joint control screen for users to consult.

- The user can remotely view the joint control status and the operating parameters of the equipment in the network through the mobile phone. Authorized users can remotely start or stop the joint control operation through their mobile phones. Internet of things joint control screen monitoring system

- The touch screen has two RS485 interface, which is used to read the data of the air compressor and upload the data to the DCS system. The communication between the touch screen and the air compressor is realized by the RS485-2 port, and the RS485-1 interface is used for the touch screen and the central management. The central processing unit can read the running status of the joint control air compressor and the current running state of the joint control screen through RS485-1.

