BXD® 葆德

德为先 智无限

BE A LEGEND OF RAPIDITY

# Ultra quiet Energy Conservation

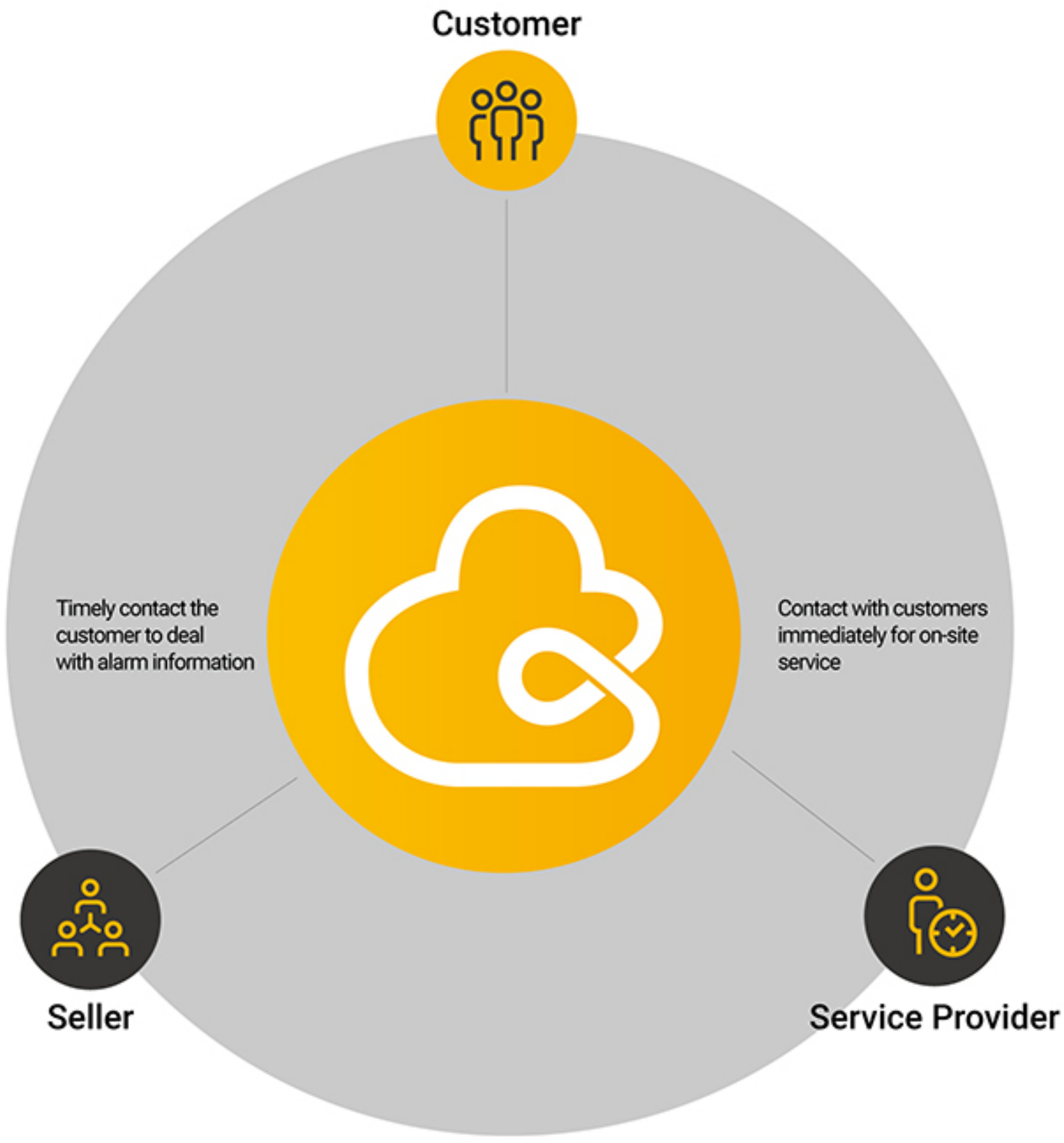
Intelligent B&D
PM VSD compressor
leading brand in
compressor industry

# B&D Technology
# Digital Intelligent Demonstration Factory

Guangdong Baldor Holding Group (here in after referred to as B&D company) was established as Foshan XDS Electromechanical Co,ltd in 1999, then integrated with R&D, manufacturing, sales and IOT system of compressors.We are a national high-tech enterprise, and are awarded as Energy Saving Compressor Technology Center both in Guangdong Province and GMPI (national General Machinery Products Inspection center).

B&D company is the first air compressor manufacturer to achieve full-chain digitization in the industry. From the equipment management at the dealer's sales side, to the full tracking of the factory's internal material procurement equipment production, order delivery, logistics progress and the after-sales service management can all be checked from our B&D cloud. We aim to establish an intelligent and innovative industrial compressor brand with new concept.






**Support in B&D cloud**

## Cloud data

B&D cloud collects the operation date of the air compressor on-site in real time， and transfers data to the cloud server to provide users with various cloud data services.

- Real time monitoring
- Historical data curve
- Report statistics
- Event information notification
- Remote modification of parameters

## Service on the Cloud

In order to make the maintenance process of the air compressor more transparent and efficient. B&D cloud provides fully visual maintenance services

- One-click order for after-sale service
- Order status view
- Comments for after-sale service and maintenance
- File queries for service and maintenance

## Knowledge on the cloud

Knowledge library system of B&D Cloud provides information about the maintenance video course of air compressor, the introduction of air compressor principle,and the summary of the use of air compressor, so as to make users more professional and more comfortable when using air compressor.

- Installation video,
- Maintenance video,
- Principle introduction,
- Problems summary

# Digital intelligent management
# 24 hours real-time management

B8D cloud intelligent management system is equipped with high temperature alarm, over-pressure alarm and other warning functions

Air discharge temperature

Air discharge pressure

Overpressure alarm

High temperature alarm

Remote control by APP in mobile phone


Where the air compressor is put

# Personalized R&D for different industry characteristics

## Customizations For Different Industries

- The forefront of concept and consciousness.
- R&D teams to develop products according to individual industry characteristics and different working conditions and environments of their equipments.
- Meeting the special need and achieve real industry-specialized compressor.

## Gearless Double Air end,Two-stage Compressor

- Reduced supporting bearings quantity, to obtain low-wear.
- Higher Efficiency, lower energy consumption.
- Easy maintenance and lower cost.

## PM VSD Motor

- Aluminum-alloy Oil-cooled Motor.
- Light weight, rapid cooling.
- Protection level IP65, anti-rust.

Food and beverage

Pharmaceutical industry

Medical industry

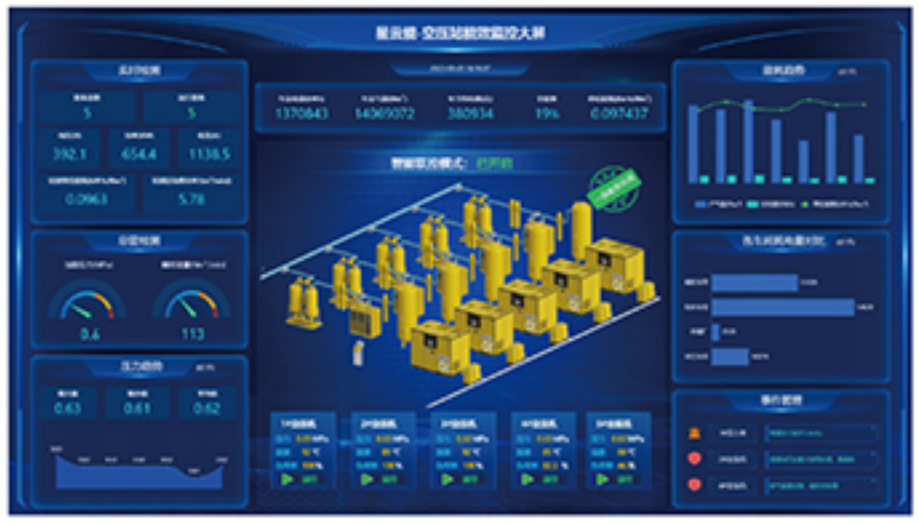
Precision manufacturing

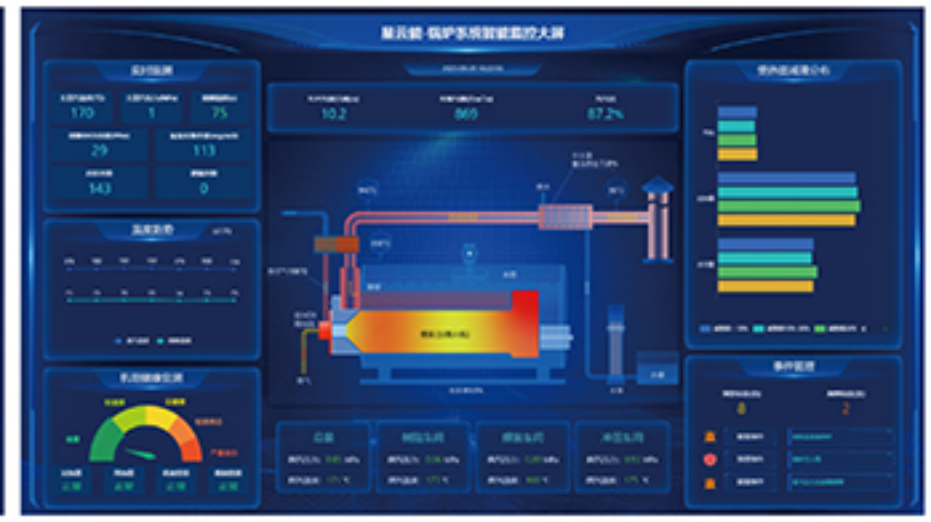
Electronic industry

InstrumentV

# Smart Energy Visualization
# Energy Saving Management

Realize interconnection and interoperability of multiple energy scenarios, covering multiple fields such as water, electricity, gas, refrigeration, heating, environment, photovoltaic, energy storage, etc. By visualizing energy consumption measurement, energy balance, and key energy indicators, we can gain a more intuitive and clear understanding of energy usage, ensure maximum efficiency of energy utilization, and support energy-saving control and optimization decision-making.






Baldor Digital Showroom

## LS-α Series

# BD-LS22

- Integrated vertical type oil-cooled PM VSD air end, Class 1 energy saving, low vibration and low noise.
- Ultra-quiet centrifugal fan for adequate cooling.
- Fully enclosed positive pressure box, environment friendly, and efficiency increased.
- Own multiple proprietary patents.
- With "B&D cloud" management system.
- Compact size, less space occupation.

- Integrated vertical air end + vibration reduction design + flexible discharge pipelines, good dynamic balance of the rotors,low vibration,low noise and low power consumption.
- The oil outlet of the oi-cooled motor and the oil injection port of the air end are seamlessly connected through the internal flow passage, reducing the oil pipeline and reducing the leakage point.
- Fully enclosed positive pressure box, improve suction efficiency, eliminate noise leakage,avoid lubricating oil leakage and contaminating the ground during maintenance.
- The centrifucal fan is installed on the side panel of the enclosure, and the cooler is installed on the top of the enclosure.The internal layout of the compressor is optimized by fow field analysis of the computer simulation.
- The oil level of the oil sight glass could be viewed without opening the door of the compressor.
- Unique air inlet design.


## Technical Parameter of LS-α Series

| Model | Rated pressure MPa | Pressure range Mpa | Air capacity m³/min | Weight kg | Dimension L*W*H (mm) |
|---|---|---|---|---|---|
| BD-LS11 | 0.7 | 0.6-0.8 | 0.73-1.82 | 340 | 1083*720*1230 |
| BD-LS15 | 0.7 | 0.6-0.8 | 0.99-2.48 | | |
| BD-LS22 | 0.7 | 0.6-0.8 | 1.52-3.8 | 400 | 1295*860*1400 |
| | 1 | 0.8-1.0 | 1.32-3.3 | | |
| BD-LS37 | 0.7 | 0.6-0.8 | 2.48-6.2 | 615 | 1576*980*1620 |
| | 1 | 0.8-1.0 | 2.2-5.5 | | |
| BD-LS45 | 0.7 | 0.6-0.8 | 2.96-7.9 | 640 | |
| BD-LS55 | 0.7 | 0.6-0.8 | 4.24-10.6 | 925 | 1866*1150*1800 |
| | 1 | 0.8-1.0 | 3.3-8.3 | | |
| BD-LS75 | 0.7 | 0.6-0.8 | 4.72-11.8 | 1250 | 1865*1250*1900 |
| | 1 | 0.8-1.0 | 4.2-10.7 | | |

# Intelligent EPM VSD Screw Air Compressor

## BD-45EPM

- High-efficiency PM synchronous motor saves energy about 6-7%, compared with three-phase asynchronous motor.
- Latest air end, one-shaft structure make it more compact, stable and high-efficiency.
- PM VSD air compressor saves energy up to 42%, due to intelligent inverter technology.
- With lots of technology patents compared to normal air compressor.
- B&D cloud digital management system.

# Technical Parameter of EPM Series

| Model | | Mpa | BD-7.5EPM | BD-11EPM | BD-15EPM | BD-22EPM | BD-30EPM | BD-37EPM | BD-45EPM | BD-55EPM |
|---|---|---|---|---|---|---|---|---|---|---|
| Air capacity (m3/min)/ Air discharge pressure | | 0.7/0.6-0.8 | 0.54~1.35 | 0.72~1.8 | 1.04~2.6 | 1.52~3.8 | 2.08~5.2 | 2.72~6.0 | 3.36~7.7 | 4.4~11.0 |
| | | 1/0.8-1 | 0.41~1.03 | 0.54~1.34 | 0.83~2.07 | 1.28~3.21 | 1.78~4.45 | 2.28~5.2 | 2.9~7.24 | 3.56~8.9 |
| | | 1.25/1-1.25 | 0.33~0.83 | 0.41~1.03 | 0.7~1.76 | 1.12~2.79 | 1.57~3.93 | 2.03~5.07 | 2.48~6.21 | 3.14~7.86 |
| Ambient temperature | | ℃ | -5~+40℃ | | | | | | | |
| Cooling mode | | | Air-cooling | | | Air or Water-cooling | | | | |
| Air discharge temperature | | ℃ | ≤Ambient temperature+10℃ < 40℃ | | | | | | | |
| Lubricant | | | 4 | 9 | | 16 | 20 | 30 | 55 | |
| Noise | | dB(A) | 62±2 | | 65±2 | | | | | 68±2 |
| Driven mode | | | Permanent magnet synchronous | | | | | | | |
| Power supply | | | 220V/380V/415/3ph/50Hz/60Hz | | | | | | | |
| Power | | KW | 7.5 | 11 | 15 | 22 | 30 | 37 | 45 | 55 |
| Starting mode | | | Variable frequency starting | | | | | | | |
| Dimension | Length | mm | 900 | 1020 | | 1250 | | 1450 | 1600 | |
| | Width | mm | 600 | 710 | | 800 | | 900 | 1150 | |
| | Height | mm | 820 | 1020 | | 1120 | | 1250 | 1370 | |
| Weight | | kg | 170 | 245 | 255 | 350 | 385 | 500 | 660 | 795 |
| Air outlet pipe diameter | | inch | ZG½" | ZG1" | | ZG1¼" | | ZG1½" | ZG2" | |

| Model | | Mpa | BD-75EPM | BD-90EPM | BD-110EPM | BD-132EPM | BD-160EPM | BD-185EPM | BD-220EPM | BD-250EPM |
|---|---|---|---|---|---|---|---|---|---|---|
| Air capacity (m3/min)/ Air discharge pressure | | 0.7/0.6-0.8 | 5.44~13.6 | 6.72~16.8 | 8.6~21.5 | 9.6~24 | 11.88~29.7 | 13.44~33.6 | 16.16~40.4 | 18.4~46 |
| | | 1/0.8-1 | 4.8~12 | 5.63~14.07 | 7.12~17.79 | 8.48~21.21 | 10.14~25.34 | 11.59~28.97 | 13.32~33.31 | 15.64~39.1 |
| | | 1.25/1-1.25 | 4.14~10.34 | 5.05~12.62 | 6.12~15.31 | 6.95~17.38 | 8.48~21.21 | 9.93~24.83 | 11.79~29.48 | 13.66~34.14 |
| Ambient temperature | | °C | -5~+40°C | | | | | | | |
| Cooling mode | | | Air or Water-cooling | | | | | | | |
| Air discharge temperature | | °C | ≤Ambient temperature+10°C < 40°C | | | | | | | |
| Lubricant | | L | 65 | | 90 | | 120 | | 144 | |
| Noise | | dB(A) | 68±2 | | 75±2 | | | | 78±2 | |
| Driven mode | | | Permanent magnet synchronous | | | | | | | |
| Power supply | | | 220V/380V/415/3ph/50Hz/60Hz | | | | | | | |
| Power | | kW | 75 | 90 | 110 | 132 | 160 | 185 | 220 | 250 |
| Starting mode | | | ≤Ambient temperature+10°C < 40°C | | | | | | | |
| Dimension | Length | mm | 1800 | 1900 | 2200 | | 3184 | | 3684 | |
| | Width | mm | 1250 | 1250 | 1550 | | 2034 | | 2306 | |
| | Height | mm | 1550 | 1650 | 1800 | | 2000 | | 2440 | |
| Weight | | kg | 1100 | 1280 | 2800 | 2900 | 3900 | 4200 | 4600 | 5000 |
| Air outlet pipe diameter | | inch | ZG2" | | DN80 | | DN100 | | DN125 | |

# Two-Stage Screw Air Compressor

## BD-350PM-II

- After the first stage compression, it undergoes indirect cooling before entering the two-stage compression.
- At least 15% energy saving compared to single-stage compression with same air delivery.
- It uses high-strength UV linear rotors, with a longer life,an accuracy of 0.04 μm.
- Higher meshing, less operation sound, more stable performance.

# Technical Parameter
# PM Series Two-stage Compression Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**0.7/0.6-0.8**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-75PM-II | 5.08-12.7 | 55 | 2200 | 1550 | 1800 | ZG2" | 1900 | 78±2 | 85 |
| BD-100PM-II | 6.6-16.5 | 75 | 2200 | 1550 | 1800 | ZG2" | 1950 | 78±2 | 85 |
| BD-125PM-II | 8.08-20.2 | 90 | 3044 | 1844 | 1850 | DN80 | 2800 | 80±2 | 100 |
| BD-150PM-II | 9.68-24.2 | 110 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-175PM-II | 11.2-28.0 | 132 | 3184 | 2034 | 2000 | DN100 | 4000 | 83±2 | 144 |
| BD-200PM-II | 13.44-33.6 | 160 | 3184 | 2034 | 2000 | DN100 | 4400 | 83±2 | 144 |
| BD-250PM-II | 15.12-37.80 | 185 | 3684 | 2306 | 2440 | DN125 | 5500 | 85±2 | 188 |
| BD-275PM-II | 16.4-41 | 200 | 3684 | 2306 | 2440 | DN125 | 5800 | 85±2 | 188 |
| BD-300PM-II | 18-45 | 220 | 3684 | 2306 | 2440 | DN125 | 6000 | 85±2 | 188 |
| BD-350PM-II | 21.08-52.7 | 250 | 3684 | 2306 | 2440 | DN125 | 6500 | 85±2 | 188 |
| BD-400PM-II | 22.4-56 | 280 | 3684 | 2306 | 2440 | DN125 | 8500 | 88±2 | 260 |
| BD-450PM-II | 25-62.5 | 315 | 3684 | 2306 | 2440 | DN125 | 9500 | 88±2 | 260 |

Rated discharge pressure/Pressure range(Mpa):**1/0.8-1**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-75PM-II | 4.56-11.4 | 55 | 2200 | 1550 | 1800 | ZG2" | 1900 | 78±2 | 85 |
| BD-100PM-II | 5.68-14.2 | 75 | 2200 | 1550 | 1800 | ZG2" | 1950 | 78±2 | 85 |
| BD-125PM-II | 7.16-17.9 | 90 | 3044 | 1844 | 1850 | DN80 | 2800 | 80±2 | 100 |
| BD-150PM-II | 8.32-20.8 | 110 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-175PM-II | 9.44-23.6 | 132 | 3184 | 2034 | 2000 | DN100 | 4000 | 83±2 | 144 |
| BD-200PM-II | 11.36-28.4 | 160 | 3184 | 2034 | 2000 | DN100 | 4400 | 83±2 | 144 |
| BD-250PM-II | 13.6-34 | 185 | 3684 | 2306 | 2440 | DN125 | 5500 | 85±2 | 188 |
| BD-275PM-II | 14.4-36 | 200 | 3684 | 2306 | 2440 | DN125 | 5800 | 85±2 | 188 |
| BD-300PM-II | 16-40 | 220 | 3684 | 2306 | 2440 | DN125 | 6000 | 85±2 | 188 |
| BD-350PM-II | 18.08-45.2 | 250 | 3684 | 2306 | 2440 | DN125 | 6500 | 85±2 | 188 |
| BD-400PM-II | 20-50 | 280 | 3684 | 2306 | 2440 | DN125 | 8500 | 88±2 | 260 |
| BD-450PM-II | 22.2-55.5 | 315 | 3684 | 2306 | 2440 | DN125 | 9500 | 88±2 | 260 |

# Technical Parameter
# PM Series Two-stage Compression Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**1.25/1-1.25**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-75PM-II | 3.88-9.7 | 55 | 2200 | 1550 | 1800 | ZG2" | 1900 | 78±2 | 85 |
| BD-100PM-II | 4.84-12.1 | 75 | 2200 | 1550 | 1800 | ZG2" | 1950 | 78±2 | 85 |
| BD-125PM-II | 6.08-15.2 | 90 | 3044 | 1844 | 1850 | DN80 | 2800 | 80±2 | 100 |
| BD-150PM-II | 7.08-17.7 | 110 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-175PM-II | 8.04-20.1 | 132 | 3184 | 2034 | 2000 | DN100 | 4000 | 83±2 | 144 |
| BD-200PM-II | 9.6-24 | 160 | 3184 | 2034 | 2000 | DN100 | 4400 | 83±2 | 144 |
| BD-250PM-II | 11.28-28.2 | 185 | 3684 | 2306 | 2440 | DN125 | 5500 | 85±2 | 188 |
| BD-275PM-II | 12.4-31 | 200 | 3684 | 2306 | 2440 | DN125 | 5800 | 85±2 | 188 |
| BD-300PM-II | 14-35 | 220 | 3684 | 2306 | 2440 | DN125 | 6000 | 85±2 | 188 |
| BD-350PM-II | 15.36-38.4 | 250 | 3684 | 2306 | 2440 | DN125 | 6500 | 85±2 | 188 |
| BD-400PM-II | 17.6-44 | 280 | 3684 | 2306 | 2440 | DN125 | 8500 | 88±2 | 260 |
| BD-450PM-II | 19.4-48.5 | 315 | 3684 | 2306 | 2440 | DN125 | 9500 | 88±2 | 260 |

# Technical Parameter

## LPM Series Two-stage Low Pressure Compression Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**0.45/0.3-0.45**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-30LPM-II | 2.57-6.43 | 22 | 1600 | 1150 | 1370 | ZG1½" | 900 | 75±2 | 35 |
| BD-50LPM-II | 4.29-10.71 | 37 | 1800 | 1250 | 1550 | ZG2" | 1500 | 78±2 | 75 |
| BD-75LPM-II | 6.6-16.5 | 55 | 2200 | 1550 | 1800 | DN80 | 2150 | 78±2 | 85 |
| BD-100LPM-II | 8.28-20.7 | 75 | 2200 | 1550 | 1800 | DN80 | 2200 | 78±2 | 85 |
| BD-125LPM-II | 10.24-25.6 | 90 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-150LPM-II | 12-30 | 110 | 3184 | 2034 | 2000 | DN100 | 4000 | 80±2 | 144 |
| BD-175LPM-II | 15.2-38 | 132 | 3684 | 2306 | 2440 | DN125 | 5300 | 83±2 | 188 |
| BD-200LPM-II | 17.6-44 | 160 | 3684 | 2306 | 2440 | DN125 | 5500 | 83±2 | 188 |
| BD-250LPM-II | 20-50 | 185 | 3684 | 2306 | 2440 | DN125 | 5800 | 83±2 | 188 |
| BD-275LPM-II | 22-55 | 200 | 3684 | 2306 | 2440 | DN125 | 6000 | 83±2 | 260 |
| BD-300LPM-II | 24.4-61 | 220 | 3684 | 2306 | 2440 | DN125 | 6500 | 83±2 | 260 |
| BD-350LPM-II | 26-65 | 250 | 3684 | 2306 | 2440 | DN125 | 7000 | 83±2 | 260 |

Rated discharge pressure/Pressure range(Mpa):**0.5/0.3-0.5**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-30LPM-II | 2.45-6.12 | 22 | 1498 | 1092 | 1480 | ZG1½" | 900 | 75±2 | 35 |
| BD-50LPM-II | 4.08-10.2 | 37 | 1800 | 1250 | 1550 | ZG2" | 1500 | 78±2 | 75 |
| BD-75LPM-II | 6.15-15.38 | 55 | 2200 | 1550 | 1800 | DN80 | 2150 | 78±2 | 85 |
| BD-100LPM-II | 8-19.99 | 75 | 2200 | 1550 | 1800 | DN80 | 2200 | 78±2 | 85 |
| BD-125LPM-II | 9.84-24.6 | 90 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-150LPM-II | 11.69-29.21 | 110 | 3184 | 2034 | 2000 | DN100 | 4000 | 80±2 | 144 |
| BD-175LPM-II | 13.78-34.44 | 132 | 3684 | 2306 | 2440 | DN125 | 5300 | 83±2 | 188 |
| BD-200LPM-II | 16.4-41 | 160 | 3684 | 2306 | 2440 | DN125 | 5500 | 83±2 | 188 |
| BD-250LPM-II | 19.89-49.71 | 185 | 3684 | 2306 | 2440 | DN125 | 5800 | 83±2 | 188 |
| BD-275LPM-II | 20.91-52.28 | 200 | 3684 | 2306 | 2440 | DN125 | 6000 | 83±2 | 260 |
| BD-300LPM-II | 22.55-56.38 | 220 | 3684 | 2306 | 2440 | DN125 | 6500 | 83±2 | 260 |
| BD-350LPM-II | 25.01-62.53 | 250 | 3684 | 2306 | 2440 | DN125 | 7000 | 83±2 | 260 |

# Technical Parameter

## LPM Series Two-stage Low Pressure Compression Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**0.55/0.4-0.55**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-30LPM-II | 2.33-5.82 | 22 | 1498 | 1092 | 1480 | ZG1½" | 900 | 75±2 | 35 |
| BD-50LPM-II | 3.88-9.69 | 37 | 1800 | 1250 | 1550 | ZG2" | 1500 | 78±2 | 75 |
| BD-75LPM-II | 6-15 | 55 | 2200 | 1550 | 1800 | DN80 | 2150 | 78±2 | 85 |
| BD-100LPM-II | 7.8-19.5 | 75 | 2200 | 1550 | 1800 | DN80 | 2200 | 78±2 | 85 |
| BD-125LPM-II | 9.6-24 | 90 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-150LPM-II | 11.4-28.5 | 110 | 3184 | 2034 | 2000 | DN100 | 4000 | 80±2 | 144 |
| BD-175LPM-II | 13.44-33.6 | 132 | 3184 | 2034 | 2000 | DN100 | 5500 | 80±2 | 144 |
| BD-200LPM-II | 16-40 | 160 | 3684 | 2306 | 2440 | DN125 | 5500 | 83±2 | 188 |
| BD-250LPM-II | 19.4-48.5 | 185 | 3684 | 2306 | 2440 | DN125 | 5800 | 83±2 | 260 |
| BD-275LPM-II | 20.4-51 | 200 | 3684 | 2306 | 2440 | DN125 | 6000 | 83±2 | 260 |
| BD-300LPM-II | 22-55 | 220 | 3684 | 2306 | 2440 | DN125 | 6500 | 83±2 | 260 |
| BD-350LPM-II | 24.4-61 | 250 | 3684 | 2306 | 2440 | DN125 | 7000 | 83±2 | 260 |

Rated discharge pressure/Pressure range(Mpa):**0.6/0.4-0.6**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-30LPM-II | 2.04-5.1 | 22 | 1498 | 1092 | 1480 | ZG1½" | 900 | 75±2 | 35 |
| BD-50LPM-II | 3.14-7.86 | 37 | 1800 | 1250 | 1550 | ZG2" | 1500 | 78±2 | 75 |
| BD-75LPM-II | 5.4-13.5 | 55 | 2200 | 1550 | 1800 | DN80 | 2150 | 78±2 | 85 |
| BD-100LPM-II | 7-17.5 | 75 | 2200 | 1550 | 1800 | DN80 | 2200 | 78±2 | 85 |
| BD-125LPM-II | 9-22.5 | 90 | 3044 | 1844 | 1850 | DN80 | 3000 | 80±2 | 100 |
| BD-150LPM-II | 10.8-27 | 110 | 3184 | 2034 | 2000 | DN100 | 4000 | 80±2 | 144 |
| BD-175LPM-II | 12.8-32 | 132 | 3184 | 2034 | 2000 | DN100 | 5500 | 80±2 | 144 |
| BD-200LPM-II | 15.2-38 | 160 | 3684 | 2306 | 2440 | DN125 | 5500 | 83±2 | 188 |
| BD-250LPM-II | 18.4-46 | 185 | 3684 | 2306 | 2440 | DN125 | 5800 | 83±2 | 260 |
| BD-275LPM-II | 19.2-48 | 200 | 3684 | 2306 | 2440 | DN125 | 6000 | 83±2 | 260 |
| BD-300LPM-II | 20-50 | 220 | 3684 | 2306 | 2440 | DN125 | 6500 | 83±2 | 260 |
| BD-350LPM-II | 22-55 | 250 | 3684 | 2306 | 2440 | DN125 | 7000 | 83±2 | 260 |

## Technical Parameter A series Fixed Speed Two-stage Screw Air Compressor

| Model | | Mpa | BD-30A-II | BD-50A-II | BD-75A-II | BD-100A-II | BD-125A-II | BD-150A-II |
|---|---|---|---|---|---|---|---|---|
| Air capacity ($m^3$/min)/ Air discharge pressure | | 0.7/0.6-0.8 | 4.2 | 7.6 | 12.7 | 16.5 | 20.2 | 24.2 |
| | | 1/0.8-1 | 3.8 | 6.8 | 11.4 | 14.2 | 17.9 | 20.8 |
| | | 1.25/1-1.25 | 3.2 | 5.8 | 9.7 | 12.1 | 15.2 | 17.7 |
| Ambient temperature | | °C | -5~+40°C | | | | | |
| Cooling mode | | | Air or Water-cooling | | | | | |
| Air discharge temperature | | °C | ≤Ambient temperature+10°C < 40°C | | | | | |
| Lubricant | | L | 35 | 45 | 85 | | 90 | |
| Noise | | dB(A) | 72±2 | | 73±2 | | 75±2 | |
| Driven mode | | | Direct drive | | | | | |
| Power supply | | V/ph/Hz | 220V/380V/415/3ph/50Hz/60Hz | | | | | |
| Power | | KW | 22 | 37 | 55 | 75 | 90 | 110 |
| Starting mode | | | Y-△Starter | | | | | |
| Dimension | Length | mm | 1500 | 1750 | 2200 | | 3044 | |
| | Width | mm | 1000 | 1150 | 1500 | | 1884 | |
| | Height | mm | 1350 | 1500 | 1800 | | 1844 | |
| Weight | | kg | 620 | 1200 | 2200 | 2250 | 2500 | 2800 |
| Air outlet pipe diameter | | inch | ZG1-½" | ZG2" | | | DN80 | |

| Model | | Mpa | BD-175A-II | BD-200A-II | BD-250A-II | BD-275A-II | BD-300A-II | BD-350A-II |
|---|---|---|---|---|---|---|---|---|
| Air capacity ($m^3$/min)/ Air discharge pressure | | 0.7/0.6-0.8 | 28 | 33.6 | 37.8 | 41 | 44 | 52.7 |
| | | 1/0.8-1 | 23.6 | 28.4 | 34 | 36 | 39 | 45.2 |
| | | 1.25/1-1.25 | 20.1 | 24 | 28.2 | 31 | 35 | 38.4 |
| Ambient temperature | | °C | -5~+40°C | | | | | |
| Cooling mode | | | Air or Water-cooling | | | | | |
| Air discharge temperature | | °C | ≤Ambient temperature+10°C < 40°C | | | | | |
| Lubricant | | L | 144 | | 188 | | | |
| Noise | | dB(A) | 75±2 | | 78±2 | | | |
| Driven mode | | | Direct drive | | | | | |
| Power supply | | V/ph/Hz | 220V/380V/415/3ph/50Hz/60Hz | | | | | |
| Power | | KW | 132 | 160 | 185 | 200 | 220 | 250 |
| Starting mode | | | Y-△Starter | | | | | |
| Dimension | Length | mm | 3184 | | 3684 | | | |
| | Width | mm | 2034 | | 2306 | | | |
| | Height | mm | 2000 | | 2440 | | | |
| Weight | | kg | 4300 | 4450 | 5500 | 5800 | 6000 | 6500 |
| Air outlet pipe diameter | | inch | DN100 | | DN125 | | | |

# Single-Stage Screw Air Compressor

## BD-1560LPM

**Application industry:**

Mining, petroleum, chemical, power plants, cement, paper, textile, shipbuilding, electronics, machinery, manufacturing and processing, instrumentation,etc.

- Advanced in intelligent permanent magnet frequency conversion technology, with IP55 protection level, large rotor, low speed, long service life, and unique overall system optimization technology.
- From energy-saving testing to solution customization, from equipment selection to distribution and installation, from pipeline construction to operation training, Baldor provides you one-stop compressed air solution.
- Ultra low specific power, ultra high cost-effectiveness,first choice for subdivision industry customization,and strong adaptability to harsh working conditions.
- The "B&D Cloud" digital management system, with fault warning function, provides users with sufficient emergency preparedness, 24 hours uninterrupted continuous operation, free downtime maintenance.
- Equipped with intelligent air compression station management, which achieves multiple digital functions such as unmanned operation,intelligent joint control, energy conservation and consumption reduction, and automatic reporting.

# Technical Parameter
# LPM Series Low Speed Low Pressure Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**0.2/0.1-0.2**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-390LPM | 5.15-12.88 | 37 | 1900 | 1250 | 1650 | ZG2" | 1400 | 68±2 | 72 |
| BD-520LPM | 5.97-14.94 | 45 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-600LPM | 8.24-20.6 | 55 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-750LPM | 11.95-29.87 | 75 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1100LPM | 14.42-36.05 | 90 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1560LPM | 18.54-46.35 | 110 | 4310 | 2140 | 2250 | DN200 | 7800 | 80±2 | 308 |
| BD-1900LPM | 22.22-55.55 | 132 | 4310 | 2140 | 2250 | DN250 | 8200 | 81±2 | 308 |
| BD-2248LPM | 25.12-62.8 | 160 | 4310 | 2140 | 2250 | DN250 | 8800 | 82±2 | 308 |

Rated discharge pressure/Pressure range(Mpa):**0.25/0.1-0.25**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-390LPM | 4.53-11.33 | 37 | 1900 | 1250 | 1650 | ZG2" | 1400 | 68±2 | 72 |
| BD-520LPM | 5.15-12.88 | 45 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-600LPM | 7.83-19.57 | 55 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-750LPM | 11.74-29.36 | 75 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1100LPM | 13.6-33.99 | 90 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1428LPM | 16.07-40.17 | 110 | 3690 | 2140 | 2250 | DN200 | 6800 | 80±2 | 188 |
| BD-1560LPM | 20.19-50.47 | 132 | 4310 | 2140 | 2250 | DN200 | 7800 | 80±2 | 308 |
| BD-2148LPM | 24.28-60.7 | 160 | 4310 | 2140 | 2250 | DN200 | 7800 | 81±2 | 308 |
| BD-2378LPM | 27-67.5 | 185 | 4310 | 2140 | 2250 | DN250 | 8800 | 82±2 | 308 |

Rated discharge pressure/Pressure range(Mpa):**0.3/0.18-0.3**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) | | | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| | | | L | W | H | | | | |
| BD-390LPM | 4.42-11.05 | 37 | 1900 | 1250 | 1650 | ZG2" | 1400 | 68±2 | 72 |
| BD-520LPM | 4.8-12 | 45 | 1900 | 1250 | 1650 | ZG2" | 1550 | 70±2 | 72 |
| BD-600LPM | 6.8-17 | 55 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-750LPM | 9-22.5 | 75 | 2200 | 1550 | 1900 | DN80 | 2100 | 75±2 | 120 |
| BD-1100LPM | 12.2-30.5 | 90 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1268LPM | 14.72-36.8 | 110 | 3690 | 2140 | 2250 | DN200 | 6800 | 80±2 | 208 |
| BD-1560LPM | 18.8-47 | 132 | 3690 | 2140 | 2250 | DN200 | 6800 | 80±2 | 208 |
| BD-1900LPM | 22.6-56.5 | 160 | 3690 | 2140 | 2250 | DN250 | 7200 | 81±2 | 208 |

# Technical Parameter
## LPM Series Low Speed Low Pressure Screw Air Compressor

**Fixed configuration parameters** | Power supply:380V/415V/440V/460V/3ph/50Hz/60Hz

Starting mode: Variable frequency start | Ambient temperature: -5～50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa):**0.35/0.23-0.35**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-390LPM | 4.2-10.5 | 37 | 1900 | 1250 | 1650 | ZG2" | 1400 | 68±2 | 72 |
| BD-520LPM | 4.56-11.4 | 45 | 1900 | 1250 | 1650 | ZG2" | 1550 | 70±2 | 72 |
| BD-600LPM | 6.46-16.15 | 55 | 2200 | 1550 | 1900 | DN80 | 1800 | 72±2 | 120 |
| BD-750LPM | 8.55-21.38 | 75 | 2200 | 1550 | 1900 | DN80 | 2100 | 75±2 | 120 |
| BD-1100LPM | 11.59-28.98 | 90 | 3384 | 2140 | 2000 | DN100 | 4100 | 78±2 | 188 |
| BD-1230LPM | 13.92-34.8 | 110 | 3690 | 2140 | 2250 | DN200 | 6800 | 80±2 | 208 |
| BD-1560LPM | 16.08-40.2 | 132 | 3690 | 2140 | 2250 | DN200 | 6800 | 80±2 | 208 |
| BD-1900LPM | 20.12-50.3 | 160 | 3690 | 2140 | 2250 | DN250 | 7200 | 81±2 | 208 |

Rated discharge pressure/Pressure range(Mpa):**0.4/0.25-0.4**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-390LPM | 4.41-11.03 | 45 | 1900 | 1250 | 1650 | ZG2" | 1450 | 68±2 | 72 |
| BD-520LPM | 5.67-14.18 | 55 | 1900 | 1250 | 1650 | ZG2" | 1600 | 70±2 | 72 |
| BD-600LPM | 7.14-17.85 | 75 | 2200 | 1550 | 1900 | DN80 | 2000 | 72±2 | 120 |
| BD-750LPM | 10.24-25.6 | 90 | 2200 | 1550 | 1900 | DN80 | 2200 | 75±2 | 120 |
| BD-1100LPM | 12.4-31 | 110 | 3384 | 2140 | 2000 | DN80 | 4500 | 78±2 | 188 |
| BD-1348LPM | 15.2-38 | 132 | 3384 | 2140 | 2000 | DN80 | 4500 | 78±2 | 188 |
| BD-1560LPM | 18.8-47 | 160 | 3690 | 2140 | 2250 | DN200 | 7100 | 80±2 | 208 |
| BD-1780LPM | 20-50 | 185 | 3690 | 2140 | 2250 | DN200 | 7100 | 80±2 | 208 |
| BD-1900LPM | 22.68-56.7 | 200 | 3690 | 2140 | 2250 | DN200 | 7400 | 80±2 | 208 |

Rated discharge pressure/Pressure range(Mpa):**0.5/0.3-0.5**

| Model | Air capacity M³/min | Power Kw | Dimension(mm) L | W | H | Air Outlet Pipe Diameter | Weight Kg | Noise dB(A) | Lubricant L |
|---|---|---|---|---|---|---|---|---|---|
| BD-390LPM | 4.2-10.5 | 45 | 1900 | 1250 | 1650 | ZG2" | 1450 | 68±2 | 72 |
| BD-520LPM | 5.4-13.5 | 55 | 1900 | 1250 | 1650 | ZG2" | 1600 | 70±2 | 72 |
| BD-600LPM | 6.8-17 | 75 | 2200 | 1550 | 1900 | DN80 | 2000 | 72±2 | 120 |
| BD-750LPM | 9-22.5 | 90 | 2200 | 1550 | 1900 | DN80 | 2200 | 75±2 | 120 |
| BD-918LPM | 10.4-26 | 110 | 3384 | 2140 | 2000 | DN80 | 4500 | 78±2 | 188 |
| BD-1100LPM | 12.2-30.5 | 132 | 3384 | 2140 | 2000 | DN80 | 4500 | 78±2 | 188 |
| BD-1418LPM | 16.26-40.65 | 160 | 3690 | 2140 | 2250 | DN200 | 7100 | 80±2 | 208 |
| BD-1560LPM | 18.8-47 | 185 | 3690 | 2140 | 2250 | DN200 | 7100 | 80±2 | 208 |
| BD-1780LPM | 20.22-50.55 | 200 | 3690 | 2140 | 2250 | DN200 | 7100 | 80±2 | 208 |
| BD-1900LPM | 22.26-55.65 | 220 | 3690 | 2140 | 2250 | DN250 | 7400 | 80±2 | 208 |

# B&D Sirius Series

## BD-SLPM2800

- Sirius, the brightest star in the sky than the Sun.
- With large displacement, low pressure and quiet, low specific power,bring cost-effective applications for industry customers.
- The overall design inside and outside is scientific and rigorous, and customized energy-saving solution for different industry.


## Technical Parameter of Sirius Series

| Model | Motor power Kw | Air capacity m³/min | Air discharge pressure bar | Voltage | Dimension(mm) L*W*H | Weight Kg |
|---|---|---|---|---|---|---|
| BD-SLPM2200 | 200 | 62 | 0.3 | 380V | 4310*2300*2480 | 7000 |
| | 200 | 62 | 0.35 | | | 7000 |
| | 220 | 61.5 | 0.4 | | | 7000 |
| | 250 | 61,5 | 0.45 | | | 7500 |
| | 250 | 61.5 | 0.5 | | | 7500 |
| BD-SLPM2500 | 220 | 72 | 0.3 | | | 7300 |
| | 220 | 72 | 0.35 | | | 7300 |
| | 250 | 71.5 | 0.4 | | | 7500 |
| | 280 | 71.5 | 0.45 | | | 7800 |
| | 280 | 71.5 | 0.5 | | | 7800 |
| BD-SLPM2800 | 250 | 85.6 | 0.3 | | | 7800 |
| | 280 | 85.6 | 0.35 | | | 7800 |
| | 280 | 85.2 | 0.4 | | | 7800 |
| | 315 | 84.8 | 0.45 | | | 8000 |
| | 315 | 84.2 | 0.5 | | | 8000 |
| BD-STPM355 | 355 | 72.2 | 0.8 | | | 10000 |
| BD-STPM400 | 400 | 82 | | | | 10500 |
| BD-STPM450 | 450 | 93.1 | | | | 11000 |
| BD-ST355A | 355 | 72.2 | | 6KV/10KV | | 10000 |
| BD-ST400A | 400 | 82 | | | | 11000 |
| BD-ST450A | 450 | 93.1 | | | | 11500 |

# Air Compressor for Laser Cutting Machines

Air discharge temperature: ≈Ambient temp.+15°C

## PM15TK

- Integrated system, easy to install.
- PM VSD screw compressor ensures stable working pressure.
- Adopt vibration reduction design and flexible pipeline connection, reducing vibration and noise effectively while running noise is below 70dB(A).
- The start and stop of the cooling fan can be set according to different seasons to better control the oil temperature and avoid emulsification.
- Centralized drainage after post-treatment helps to keep the customer's site clean.


## All-in-one Compressor Series For Laser Cutting

| Model | Rated discharge pressure Mpa | Pressure range Mpa | Flow range m³/min | Motor power Kw | Weight Kg | Dimension(mm) L*W*H |
|---|---|---|---|---|---|---|
| PM11TK | 1.55 | 1.25-1.55 | 0.39-0.97 | 11 | 455 | 1592*750*1661 |
| PM15TK | | | 0.51-1.27 | 15 | | |
| PM18TK | | | 0.72-1.8 | 18.5 | 630 | 1712*800*1860 |
| PM22TK | | | 0.92-2.3 | 22 | | |
| PM22TK | 2.5 | 2-2.5 | 0.6-1.2 | 22 | 755 | 1716*830*1862 |
| LZ22TK | 1.55 | 1.25-1.55 | 0.74-1.85 | 22 | 800 | 1922*1202*1911 |

# Baldor Laser Cutting Skid-mounted All-in-one Machine

## LZ22TK

- Screw air compressor, air tank, refrigerated air dryer, filter, absorption air dryer, all-in-one design, efficient and peace of mind.
- 1 gas-water separator + 7-stage precision filter.
- Clean compressed air ensures the quality of laser cutting.
- Dew point temperature is as low as -20~-30℃.
- Oil content of gas is low as 0.001PPM.
- Filtration accuracy of particulate matter reaches 0.01μm.


## Specifications of LZ22TK

| | | |
|---|---|---|
| Air capacity | $m^3$/min | 0.74-1.85 |
| Ambient temperature | ℃ | -5~40 |
| Air discharge pressure | MPa | 1.25-1.55 |
| Cooling mode | | Air cooling |
| Dew point temperature | ℃ | -20~-30 |
| Oil-carry in discharged air | PPM | ≤0.001 |
| Filtration accuracy | μm | ≤0.01 |
| Noise | dB(A) | 70±2 |
| Shaft vibration | μm | 3 |
| Dimension（L×W×H） | mm | 1922*1202*1911 |
| Weight | kg | 800 |
| Exhaust pipe diameter | | 2*RC3/4 |
| Power supply | | 380V50HZ |
| **Motor Specification** | | |
| Model | | 22kw |
| Rated power | KW | 22 |
| Rated voltage | V | 380 |
| Rated current | A | 39 |
| Rated frequency | Hz | 190 |
| Rated rpm | rpm | 3800 |
| Protection class | | IP23 |
| Insulation class | | F |

# Fixed Speed Screw Air Compressor-A Series

## BD-30A

- Latest air end in the world.
- Less maintaining and operating cost.
- Lots of patent technology.


## Technical Parameter of A Series Screw Air Compressor

| Model | Mpa | BD-7.5A | BD-10A | BD-15A | BD-20A | BD-30A | BD-40A | BD-50A | BD-60A | BD-75A |
|---|---|---|---|---|---|---|---|---|---|---|
| Free air delivery (m³/min) | 0.8/0.65-0.8 | 0.95 | 1.2 | 1.6 | 2.3 | 3.65 | 5 | 6.3 | 7.5 | 9.8 |
| | 1/0.85-1 | 0.85 | 1.0 | 1.3 | 2 | 3.1 | 4.3 | 5.5 | 7 | 8.6 |
| | 1.25/1.1-1.25 | 0.7 | 0.8 | 1 | 1.7 | 2.7 | 3.8 | 4.9 | 6 | 7.6 |
| Ambient temperature ℃ | | -5~+40℃ | | | | | | | | |
| Cooling mode | | Air-Cooling | | | | Air or Water-Cooling | | | | |
| Air discharge temperature ℃ | | ≤Environment Temp+10℃ (Air-Cooling) < 40℃ (Water-Cooling) | | | | | | | | |
| Lubricant | L | 6 | | 9 | | 18 | 30 | | 55 | |
| Noise | dB(A) | 66±2 | | | | | | | | 68±2 |
| Starting mode | | Belt drive | | | | Direct drive | | | | |
| Power supply | | 220V/380V/415V/3ph/50Hz/60Hz | | | | | | | | |
| Power | KW | 5.5 | 7.5 | 11 | 15 | 22 | 30 | 37 | 45 | 55 |
| Starting mode | | Direct start | | Y-△ Starter | | | | | | |
| Dimension (L*W*H) | mm | 900 | | 1100 | | 1380 | 1500 | | 1750 | |
| | mm | 650 | | 710 | | 850 | 1000 | | 1150 | |
| | mm | 920 | | 1100 | | 1125 | 1350 | | 1500 | |
| Weight | kg | 178 | 200 | 330 | 340 | 500 | 660 | | 1038 | |
| Air Outlet Pipe Diameter | inch | ZG½" | | ZG1" | | ZG1¼" | ZG1½" | | ZG2" | |

# Fixed Speed Screw Air Compressor-A Series

## BD-75A

- Latest air end in the world.
- Less maintaining and operating cost.
- Lots of patent technology.


## Technical Parameter of A Series Screw Air Compressor

| Model | Mpa | BD-100A | BD-125A | BD-150A | BD-175A | BD-200A | BD-250A | BD-300A | BD-350A |
|---|---|---|---|---|---|---|---|---|---|
| Free air delivery (m³/min) | 0.8/0.65-0.8 | 12.8 | 15 | 19 | 22.9 | 27 | 30.5 | 35.8 | 41.4 |
| | 1/0.85-1 | 11.6 | 13.6 | 17.2 | 20.5 | 24.5 | 28 | 32.2 | 37.8 |
| | 1.25/1.1-1.25 | 10 | 12.2 | 14.8 | 16.8 | 20.5 | 24 | 28.5 | 33 |
| Ambient temperature | ℃ | -5 ~ +40℃ | | | | | | | |
| Cooling mode | | Air or Water-Cooling | | | | | | | |
| Air discharge temperature | ℃ | +10℃/≤Environment Temp+10℃ (Air-Cooling ) <40℃ (Water-Cooling) | | | | | | | |
| Lubricant | L | 65 | | 90 | | 120 | | 144 | |
| Noise | dB(A) | 68±2 | | 75±2 | | 78±2 | | | |
| Starting mode | | Direct drive | | | | | | | |
| Power supply | | 220V/380V/415V/3ph/50Hz/60Hz | | | | | | | |
| Power | KW | 75 | 90 | 110 | 132 | 160 | 185 | 220 | 250 |
| Starting mode | | Y-△ Starter | | | | | | | |
| Dimension (L*W*H) | mm | 1900 | | 2200 | | 3184 | | 3684 | |
| | mm | 1250 | | 1500 | | 2034 | | 2306 | |
| | mm | 1650 | | 1800 | | 2000 | | 2440 | |
| Weight | kg | 1200 | 2100 | 3000 | 3500 | 3900 | 4200 | 4600 | 5000 |
| Air Outlet Pipe Diameter | inch | ZG2" | | DN80 | | DN100 | | DN125 | |

# Dry Type Oil-free Screw Air Compressor

## DM160

**Application industry:**

Food and beverage, pharmaceuticals,air separation petrochemical, electronics,instruments, etc;

- 100% certified oil-free air, industry standard certified.
- Durable compression module, stable and reliable.
- IE3 fixed speed motor, energy-saving.
- Protection level IP55 or above.
- Adopt specialized oil seals, with good effect and no wear.
- With "B&D Cloud" digital management system.


### Technical Parameter of DM Series Two-stage Compression Dry Type Oil-free Screw Air Compressor (fixed speed and variable frequency)

| Model | | DM55 | DM75 | DM90 | DM110 | DM132 | DM160 | DM200 | DM250 | DM315 |
|---|---|---|---|---|---|---|---|---|---|---|
| Motor power | kW | 55 | 75 | 90 | 110 | 132 | 160 | 200 | 250 | 315 |
| FAD flow m³/min | 7.5bar(g) | 10 | 13.1 | 14.2 | 20 | 23.3 | 28 | 35.2 | 46 | 53 |
| | 8.5bar(g) | 9 | 12.2 | 13.2 | 18.5 | 22 | 26.5 | 32.8 | 42 | 50.2 |
| | 10bar(g) | 8 | 11.2 | 12.1 | 16.2 | 19.7 | 23.2 | 29.5 | 37.6 | 45.8 |
| Dimension | (L*W*H) mm | 3060*1500*1750 | | | 3260*1590*1800 | | | 3950*1850*2100 | | |
| Weight | kg | 2350 | 2550 | 2650 | 3400 | 3500 | 3700 | 5700 | 5800 | 6000 |

* Only VSD inverter units are available.

### Technical Parameter of DL Series Single-stage Compression Dry Type Oil-free Screw Air Compressor (fixed speed and variable frequency)

| FAD | m³/min | 7.8 | 10.8 | 12.4 | 17.3 | 20.4 | 24 | 26.2 | 29.2 | 33.6 | 35.6 | 38.8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5bar(g) | Model | DL8-1.5 | DL10-1.5 | DL12-1.5 | DL17-1.5 | DL20-1.5 | DL24-1.5 | DL26-1.5 | DL29-1.5 | DL34-1.5 | DL36-1.5 | DL39-1.5 |
| | Power | 30 | 37 | 37 | 55 | 55 | 75 | 75 | 90 | 110 | 110 | 110 |
| 2.5bar(g) | Model | DL8-2.5 | DL10-2.5 | DL12-2.5 | DL17-2.5 | DL20-2.5 | DL24-2.5 | DL26-2.5 | DL29-2.5 | DL34-2.5 | DL36-2.5 | DL39-2.5 |
| | Power | 30 | 37 | 45 | 55 | 75 | 75 | 90 | 90 | 110 | 110 | 132 |
| 3.5bar(g) | Model | DL8-3.5 | DL10-3.5 | DL12-3.5 | DL17-3.5 | DL20-3.5 | DL24-3.5 | DL26-3.5 | DL29-3.5 | DL34-3.5 | DL36-3.5 | DL39-3.5 |
| | Power | 37 | 45 | 55 | 75 | 90 | 110 | 110 | 132 | 145 | 145 | 160 |
| Dimension | (L*W*H)mm | 2600*1300*1700 | | | 3260*1500*1800 | | | | 3500*1600*1900 | | | |
| Weight | Kg | 2600 | | | 3200 | | | | 3800 | | | |

# Water-Lubricated Twin - Screw Air Compressor

## BD-07GS

**Application industry:**

Food and beverage, electronics, pharmaceuticals, medical, precision manufacturing, instruments and meters;

- High efficiency independent R&D of twin-screw Airend, stable and reliable, with multiple patented technologies.
- The water bearing is specially designed to truly achieve pure oil-free performance.
- Ultra low air discharge temperature, low vibration, and low noise.
- Food grade stainless steel pipeline and water treatment shell.
- Permanent magnet variable frequency control, energy-saving and environment friendly.
- With "B&D Cloud" digital management system.


### Technical Parameter of GS Series Water - Lubricated Twin - Screw Air Compressor

| Model | | BD-07GSAV | BD-11GSAV | BD-15GSAV | BD-22GSAV | BD-37GSAV | BD-45GSAV | BD-55GSAV | BD-37GSWV | BD-45GSWV | BD-55GSWV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pressure range | Mpa | 0.5~1 | | | | | | | | | |
| Air capacity | m³/min | 1.1 | 1.5 | 2.2 | 3.3 | 5.6 | 6.2 | 8.5 | 5.6 | 6.8 | 8.8 |
| Air discharge temperature | °C | Ambient temperature +25°C | | | | | | | Ambient temperature +15°C | | |
| Motor power | kW | 7.5 | 11 | 15 | 22 | 37 | 45 | 55 | 37 | 45 | 55 |
| | HP | 10 | 15 | 20 | 30 | 50 | 60 | 75 | 50 | 60 | 75 |
| Dimension (L*W*H)mm | | 950*1296.5*1226.5 | | 1000*1300*1450 | | 1300*1834*1800 | | | | | |
| Noise | dB(A) | 70 | 72 | 70 | 72 | 75 | 75 | 75 | 72 | 72 | 72 |
| Weight | kg | 480 | 500 | 600 | 620 | 1200 | 1200 | 1240 | 1240 | 1300 | 1300 |

* The air capacity refers to the design condition of 0.8MPa. For other conditions, please consult the engineer.

# Oil-free Scroll Air Compressor

## WS3.7TK

**Application industry:**

Food, medical, new energy, oxygen storage, laboratory, printing, chemical, precision painting and other fields.

- Easy to install,small volume does not take up space,ready to use.
- High performance fixed speed belt drive, with less wearing parts and high reliability.
- Small torque variation, high balance, small vibration, stable operation, simple operation, and easy to achieve automation.
- 100% Oil-free certified, continuous and stable gas transmission, reliable operation, and clean gas source.
- Integrated oil-free scroll air compressor, refrigerated air dryer, and air tank,reserved installation position for precise dust removal filter, more convenient to install and use.


### Technical Parameter of WS-TK Oil-free Scroll Air Compressor

| Model | Motor power kW | Air capacity m³/min | Rated pressure range Mpa | Dimension (L*W*H) mm | Weight kg |
|---|---|---|---|---|---|
| WS3.7TK | 3.7 | 0.4 | 0.65-0.8 | 1290*600*1353 | 350 |
| WS7.5TK | 7.5 | 0.8 | 0.65-0.8 | 1490*800*1558 | 650 |

# Blower Screw Air Compressor

## BL-37

**Application industry:**

Sewage treatment, gas-water backwashing, oxidative desulfurization, pneumatic conveying, printing, leather, etc.

- Permanent magnet variable frequency control, with a wide adjustment range, energy saving more than 30% than Roots blower.
- Designed and customized air end, advanced coating technology, high volumetric efficiency, long lifespan of rotors.
- 100% Oil-free provides pure air.
- The newly designed sound insulation system ensures low noise and low vibration.
- Equipped with high-precision synchronous gears .
- With "B&D Cloud" digital management system.

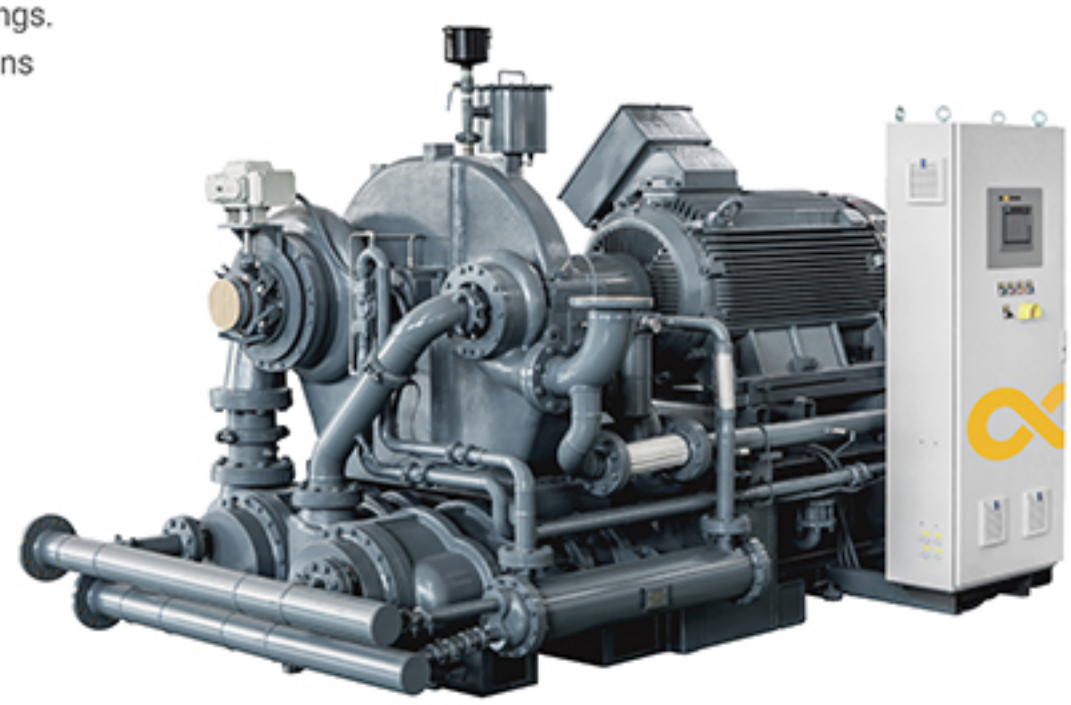

### Technical Parameter of Screw Blower Series

| Model | Motor power kW | Air capacity m³/min | Air discharge pressure bar | Dimension (L*W*H) mm | Air outlet pipe diameter mm |
|---|---|---|---|---|---|
| BL-37 | 37 | 38.4 | 0.5 | 2220*1600*2190 | DN250 |
| | | 33.5 | 0.6 | | |
| | | 31 | 0.7 | | |
| | | 30 | 0.8 | | |
| | | 26 | 0.9 | 2000*1300*2000 | DN150 |
| | | 23.9 | 1.0 | | |
| | | 21.6 | 1.1 | | |
| | | 20.7 | 1.2 | | |
| BL-55 | 55 | 60 | 0.5 | 2400*1600*2400 | DN300 |
| | | 54 | 0.6 | | |
| | | 49 | 0.7 | | |
| | | 45 | 0.8 | | |
| | | 40 | 0.9 | 2220*1600*2190 | DN250 |
| | | 36 | 1.0 | | |
| | | 33 | 1.1 | | |
| | | 30 | 1.2 | | |
| BL-75 | 75 | 76 | 0.5 | 1700*1350*2020 | DN350 |
| | | 69.4 | 0.6 | | |
| | | 65 | 0.7 | | |
| | | 60.2 | 0.8 | | DN300 |
| | | 56.7 | 0.9 | | |
| | | 49 | 1.0 | | |
| | | 47.3 | 1.1 | | |
| | | 41.2 | 1.2 | | |

# Centrifugal Compressor

**Technical advantages:**

- Integral skid mounted, easy to install.
- No special foundation is required, and no need to embed anchor bolts.
- Horizontal split gearbox for easy maintenance.
- Automatic alignment of multi disc tilting pad bearings.
- The intercooler with copper tubes and aluminum fins provides efficient heat exchange.
- The air is 100% oil-free.
- Stable operation, high efficient and energy-saving, economical and environment friendly.
- Equipped with intelligent "B&D Cloud" which can remotely monitor the compressor operation.



**Technical Parameter of BC Series 2-stage Compression Centrifugal Compressor**

| Model | Air capacity $m^3$/min | Air discharge pressure bar | Motor power kW | Weight kg | Dimension (L*W*H) mm |
|---|---|---|---|---|---|
| BC600-2 | 45~82 | 2~4.5 | 160~315 | 5500 | 3280*1850*2200 |
| BC900-2 | 76~122 | 2~4.5 | 250~450 | 7300 | 3800*2000*2250 |
| BC1200-2 | 118~150 | 2~4.5 | 400~560 | 10500 | 4200*2150*2350 |
| BC1500-2 | 142~225 | 2~4.5 | 500~900 | 11000 | 4200*2150*2350 |
| BC2000-2 | 186~310 | 2~4.5 | 630~1120 | 15000 | 4600*2200*2500 |

**Technical Parameter of BC Series 3-stage Compression Centrifugal Compressor**

| Model | Air capacity $m^3$/min | Air discharge pressure bar | Motor power kW | Weight kg | Dimension (L*W*H)mm |
|---|---|---|---|---|---|
| BC600-3 | 45~82 | 4.5~10 | 250~450 | 6000 | 3280*1850*2200 |
| BC900-3 | 76~122 | 4.5~10 | 400~630 | 7800 | 3800*2000*2250 |
| BC1200-3 | 118~150 | 4.5~10 | 630~800 | 11000 | 4200*2150*2350 |
| BC1500-3 | 142~225 | 4.5~10 | 710~1400 | 11500 | 4200*2150*2350 |
| BC2000-3 | 186~310 | 4.5~10 | 900~2000 | 16000 | 4600*2200*2500 |

# PM VSD Screw Air Compressor-DHF Series

## DHF-30PM

- Adopt the world's latest generation of Air end.
- Perfect intelligent frequency conversion technology.
- Low daily maintenance and usage costs.
- Multiple professional technical achievements.
- With "B&D Cloud" digital management system.


### Technical Parameters of DHF Series Permanent Magnet Variable Frequency Screw Air Compressor

| Model | | Mpa | DHF-10PM | DHF-15PM | DHF-20PM | DHF-30PM | DHF-50PM |
|---|---|---|---|---|---|---|---|
| Air capacity (m3/min)/ Air discharge pressure | | 0.7/0.6-0.8 | 0.54-1.35 | 0.72-1.8 | 1.04-2.6 | 1.52-3.8 | 2.72-6.8 |
| Ambient temperature | | ℃ | -5~+40℃ | | | | |
| Cooling mode | | | Air-cooling | | | | |
| Air discharge temperature | | ℃ | ≤ Ambient temperature+10℃＜40℃ | | | | |
| Lubricant | | L | 3.6 | 8.5 | | 13.5 | |
| Noise | | dB(A) | 62±2 | | 65±2 | | |
| Driven mode | | | Permanent magnet synchronous | | | | |
| Power supply | | V/ph/Hz | 380V/3ph/50Hz | | | | |
| power | | KW | 7.5 | 11 | 15 | 22 | 37 |
| Starting mode | | | Variable frequency starting | | | | |
| Dimension (L*W*H) mm | L | mm | 750 | 940 | | 1120 | 1300 |
| | W | mm | 550 | 630 | | 765 | 900 |
| | H | mm | 760 | 920 | | 1070 | 1170 |
| Weight | | kg | 105 | 160 | 173 | 250 | 390 |
| Air outlet pipe diameter | | inch | ZG½" | ZG1" | | ZG1¼" | ZG1½" |
| Intelligent Internet of Things | | | No | Yes | Yes | Yes | Yes |

# DHF Series Skid Mounted Integrated Air Compressor

## DHF-PM7.5TK

- Adopt the world's latest generation of Air end.
- Perfect intelligent frequency conversion technology.
- Low daily maintenance and usage costs.
- Multiple professional technical achievements.
- With "B&D Cloud" digital management system.


### Technical Parameters of DHF Series Permanent Magnet Variable Frequency Screw Air Compressor

| DHF-PM7.5TK Technical Parameter | | |
|---|---|---|
| Air capacity | $m^3$/min | 0.54-1.35 |
| Ambient temperature | °C | ≤40 |
| Air discharge pressure | MPa | 0.6-0.8 |
| Cooling mode | | Air cooling |
| Air discharge temperature | °C | ≤Ambient temperature+15°C |
| Profile of male and female rotors | | |
| Oil-carry in discharged air | PPm | ≤3 |
| Dust content | μm | ≤3 |
| Noise | dB(A) | 70±3 |
| Shaft vibration | μm | 3 |
| Dimension（L×W×H） | mm | 750*550*1230 |
| Weight | KG | 220 |
| Air outlet diameter | | ZG1/2"External thread |
| Power supply | | 380V/3ph/50Hz |
| **Motor Specification** | | |
| Model | | Permanent magnet-7.5kW |
| Rated Power | kW | 7.5 |
| Rated Voltage | V | 380 |
| Rated Current | A | 13.8 |
| Rated RPM | rpm | 3600 |
| Protection Class | | IP23 |
| Isolation Class | | F |
| Efficiency | % | 93.4 |

# Complete System

PM VSD air compressor + air tank +Grade Q filter + refrigerated air dryer +Grade P filter +Grade S filter


# B&D Refrigerated Air Dryer

The air capacity of air dryer shall be matched with the corresponding power of the air compressor.

Based on the principle of freezing and dehumidifying, the compressed air is forced to cool down by heat exchange through the evaporator, so that the gaseous water and oil in the compressed air are cooled by isobaric pressure and condensed into liquid water and oil, which are entrained with dust and discharged from the system through the automatic drain, thus obtaining clean compressed air. With the original design and precision parts, B&D air dryer will help you achieve higher productivity, lower operating cost and better system protection.


**Quick Cold-drying effect**

(1) Perfect system performance
(2) Efficient cold-drying

**Reliable performance**

(1) Original Panasonic compression fittings
(2) Stable pressure dew point
(3) Reduce production failure rate

**Lower The Cost**

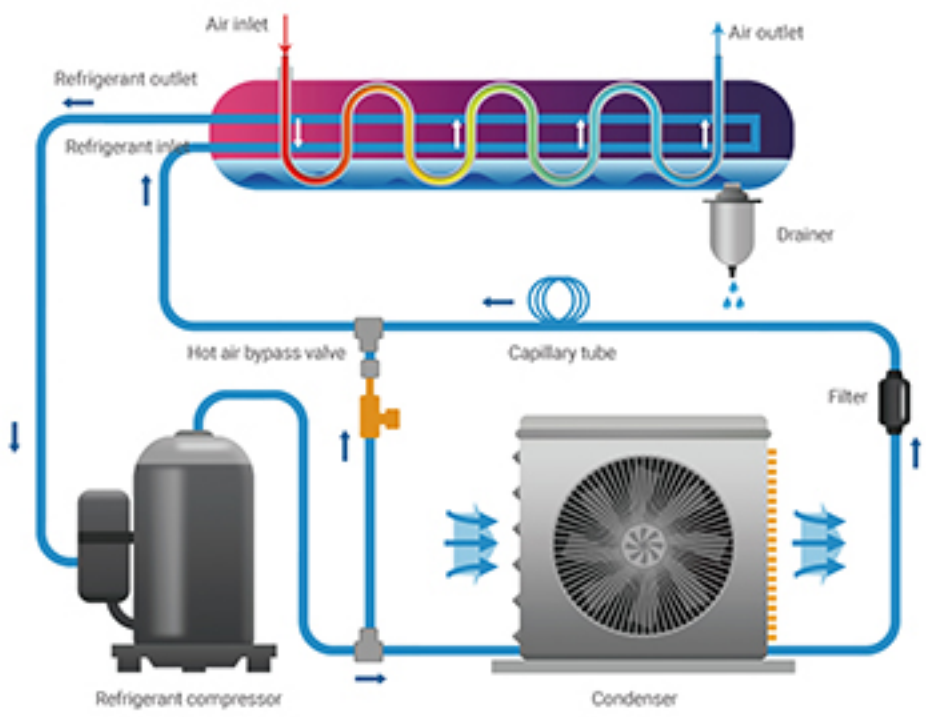
(1) Longer service life
(2) Less repair part
(3) Lower maintenance cost

**Easy To Operate**

(1) Ready to use
(2) Safe and stable

# Durable Accessories, Intelligent Manufacturing

We provide professional, comprehensive and competitive complete compressed air purification solutions and services.


Work Process of Air Dryer

(1) Mechanical control button

(2) Easy to operate,more stable and more secure

(1) High quality cooling fan

(2) Rapid heat dissipation

(1) Original Panasonic refrigeration compressor

(2) Efficient refrigeration

(1) High quality copper pipe

(2) Strong performance

## Ensure for safety production

- B&D intelligent air dryer adopts electronic integrated control system to realize automatic drainage control, convenient operation and longer service life.
- Temperature detection at each operating point (air inlet/outlet, evaporation, condensation, dew point).
- Fault alarm (refrigerant high temperature, low voltage, current overload).
- Protect your device and provide drier compressed air.
- Humanized design,easy to operate.
- Easy maintenance and installation.

## DHF Series Refrigerated Air Dryer

(The air capacity of air dryer shall be matched with the corresponding power of the air compressor.)

- The whole series of Air Dryer : Higher production efficiency, lower operating cost and better system.


## B&D DHF Series Refrigerated Air Dryer

- Each compressor has a separate code,quality assurance, more quiet more stable, efficient refrigeration system, perfect configuration.
- The key components of the machine are imported brand-name products to ensure reliable operation and long life of the treatment effect.
- The refrigeration and air systems are accurately calculated by experts, and the design parameters all retain a margin of more than 20%.
- Cost effective, less maintenance cost

R22

ISO9001
Quality system

Panasonic HIGHLY 海立

First-line brand refrigeration compressor

## Technical parameter of B&D Air Dryer(air-cooling type)

| Model No. | Air Capacity m³/min | Air Compressor Power HP | Power Supply V/50Hz | Air Pipe Diameter | Dimension(L*W*H) mm | Weight Kg |
|---|---|---|---|---|---|---|
| BD-10 | 1.8 | 0.91 | 220 | DN20(G¾) | 670 x 450 x 595 | 39 |
| BD-20 | 2.8 | 1.2 | 220 | DN25(G1) | 780 x 430 x 695 | 42 |
| BD-30 | 3.8 | 1.2 | 220 | DN25(G1) | 780 x 430 x 695 | 42 |
| BD-40 | 5.5 | 1.5 | 220 | DN40(G1½) | 500 x 860 x 880 | 90 |
| BD-60 | 6.88 | 1.62 | 220 | DN40(G1½) | 850 x 500 x 865 | 72 |
| BD-80 | 8.8 | 2 | 220 | DN50(G2) | 700 x 900 x 1000 | 130 |
| BD-100 | 11.5 | 3.18 | 220 | DN50(G2) | 950 x 700 x 1067 | 133 |
| BD-120 | 14 | 3.48 | 380 | DN65(G2½) | 1080 x 700 x 1080 | 145 |
| BD-150 | 16.8 | 4.84 | 380 | DN65(G2½) | 1100 x 800 x 1100 | 158 |
| BD-200 | 22.8 | 5 | 380 | DN80(F3) | 1450 x 700 x 1335 | 217 |
| BD-300 | 28.5 | 6 | 380 | DN80(F3) | 800 x 1450 x 1200 | 300 |
| BD-400 | 35 | 8 | 380 | DN80(F3) | 1800 x 1000 x 1460 | 400 |
| BD-500 | 45 | 10 | 380 | DN100(F4) | 2000 x 1000 x 1480 | 500 |
| BD-600 | 55 | 12.5 | 380 | DN125(F5) | 2200 x 1100 x 1580 | 600 |
| BD-800 | 85 | 20 | 380 | DN150(F6) | 2300 x 1300 x 1720 | 900 |
| BD-1000 | 105 | 25 | 380 | DN200(F8) | 2500 x 1400 x 2100 | 1100 |
| BD-1200 | 120 | 30 | 380 | DN200(F8) | 2600 x 1800 x 2100 | 1500 |
| BD-1600 | 160 | 40 | 380 | DN200(F8) | 3300 x 2000 x 2100 | 1650 |

## Technical parameters of B&D Air Dryer (water-cooling type)

| Model No. | Air Capacity m³/min | Air Compressor Power HP | Power Supply V/50Hz | Cooling water consumption m³/h | Air Pipe Diameter | Dimension(L*W*H) mm | Weight Kg |
|---|---|---|---|---|---|---|---|
| BD-120W | 14 | 3 | 380 | 2.8 | DN65(G2½) | 700 x 1000 x 1000 | 160 |
| BD-150W | 16 | 4 | 380 | 3 | DN65(G2½) | 800 x 1000 x 1000 | 165 |
| BD-200W | 22.8 | 5 | 380 | 3.5 | DN80(F3) | 700 x 1450 x 1450 | 250 |
| BD-250W | 28.5 | 6 | 380 | 4 | DN80(F3) | 800 x 1450 x 1450 | 300 |
| BD-300W | 35 | 8 | 380 | 5 | DN80(F3) | 1800 x 1000 x 1000 | 400 |
| BD-400W | 45 | 10 | 380 | 7 | DN100(F4) | 2000 x 1000 x 1000 | 500 |
| BD-500W | 55 | 12.5 | 380 | 9 | DN125(F5) | 2200 x 1100 x 1100 | 600 |
| BD-600W | 65 | 15 | 380 | 10 | DN125(F5) | 2200 x 1100 x 1100 | 700 |
| BD-800W | 85 | 20 | 380 | 12 | DN150(F6) | 2300 x 1300 x 1300 | 900 |
| BD-1000W | 105 | 25 | 380 | 14 | DN200(F8) | 2500 x 1400 x 1400 | 1100 |
| BD-1200W | 120 | 30 | 380 | 16 | DN200(F8) | 2600 x 1800 x 1800 | 1500 |
| BD-1600W | 160 | 40 | 380 | 18 | DN200(F8) | 3300 x 2000 x 2000 | 1650 |
| BD-2000W | 200 | 50 | 380 | 24 | DN250(F10) | 3200 x 2000 x 2000 | 2000 |
| BD-2500W | 250 | 60 | 380 | 24 | DN250(F10) | 3800 x 2100 x 2100 | 2600 |
| BD-3000W | 300 | 70 | 380 | 35 | DN300(F12) | 4000 x 2100 x 2100 | 3500 |
| BD-3600W | 360 | 80 | 380 | 40 | DN300(F12) | 4200 x 2100 x 2100 | 4500 |
| BD-4000W | 400 | 100 | 380 | 50 | DN300(F12) | 4800 x 2600 x 2600 | 5000 |
| BD-4500W | 450 | 125 | 380 | 55 | DN400(F15) | 5000 x 2600 x 2600 | 5500 |
| BD-5000W | 500 | 150 | 380 | 60 | DN400(F15) | 5000 x 2800 x 2800 | 6000 |

## Technical parameters of DHF Air Dryer(air-cooling type)

| Model No. | Air Capacity m³/min | Pressure V/50Hz | Refrigerant | Refrigerant Compressor Motor | Power Supply | Inlet/outlet pipe diameter | Dimension(L*W*H) mm | Weight Kg |
|---|---|---|---|---|---|---|---|---|
| DHF-10 | 1.8 | 1.05 | R134A | 0.91 | 220V/50HZ | G¾ | 385×550×530 | |
| DHF-20 | 2.8 | 1.05 | R22 | 1.2 | 220V/50HZ | G1 | 405×600×580 | |
| DHF-30 | 3.8 | 1.05 | R22 | 1.2 | 220V/50HZ | G1 | 430×704×630 | |
| DHF-60 | 6.88 | 1.05 | R22 | 1.62 | 220V/50HZ | G1½ | 485×825×680 | |

The limit of use conditions:

(1) Inlet temperature <78°C (2) Ambient temperature <38 °C (3) Air pressure 10kg/cm² ( special customization is accepted for excess pressure)

# Desiccant Air Dryer Series

The complete series of desiccant air dryer and rotary drum dryer can meet various industrial application needs.
It can achieve higher productivity and efficiency.



## Operating Condition

**Working Pressure:** 0.6~1.0Mpa
**Air Inlet Temperature:** 0°C~45°C
**Pressure Loss:** ⩽0.025Mpa
**Dew Point:** -20°C~-70°C
**Regeneration of gas consumption:** ⩽14%(Heatless)
⩽7%(Low-heat)
**Desiccant:** Activated alumina/molecular sieve
**Contol Mode:** PLC electronic control
**Power Supply:** 220V/50Hz/40W(Heatless)

## Technical Parameter of Heatless/Low-heat Regenerative Desiccant Air Dryer

| Model No.<br>MODEL | Air Capacity<br>$m^3$/min | Model No.<br>V/50Hz | Pipe Diameter<br>mm | Dimension ( L*W*H )<br>mm | Weight<br>Kg |
|---|---|---|---|---|---|
| BD30 | 3.8 | 220/50 | DN25 | 1150X700X1800 | 220 |
| BD40(LH) | 5.5 | 220/50 | DN40 | 900X1300X1800 | 370 |
| BD60(LH) | 6.8 | 220/50 | DN40 | 1000X1300X1800 | 400 |
| BD80(LH) | 8.8 | 220/50 | DN50 | 1060X1400X2000 | 600 |
| BD100(LH) | 11.5 | 220/50 | DN50 | 1160X1400X1900 | 650 |
| BD120(LH) | 14 | 380/50 | DN65 | 1160X1600X1900 | 800 |
| BD150(LH) | 16 | 380/50 | DN65 | 1260X1600X2000 | 900 |
| BD200(LH) | 22.8 | 380/50 | DN80 | 1500X2000X2050 | 1500 |
| BD250(LH) | 28.5 | 380/50 | DN80 | 1700X2000X2180 | 1700 |
| BD300(LH) | 35 | 380/50 | DN80 | 1700X2000X2220 | 2100 |
| BD400(LH) | 45 | 380/50 | DN100 | 2000X2100X2400 | 2500 |
| BD500(LH) | 55 | 380/50 | DN100 | 2200X2100X2500 | 3100 |
| BD600(LH) | 65 | 380/50 | DN125 | 2400X2200X2650 | 3500 |
| BD800(LH) | 85 | 380/50 | DN150 | 2600X2600X2900 | 4200 |
| BD1000(LH) | 105 | 380/50 | DN150 | 3000X2800X3000 | 5200 |
| BD1200(LH) | 120 | 380/50 | DN200 | 3200X3000X3000 | 5800 |
| BD1600(LH) | 160 | 380/50 | DN200 | 3800X3300X3000 | 7600 |
| BD2000(LH) | 200 | 380/50 | DN200 | 4200X3500X3000 | 9500 |

Note:BX0005-BX2000 is dual-tower traditional structure; (LH) is low-heat absorption air dryer

# B&D Air Tank Series (design pressure is matched with the air compressor)

The air tank can store a certain amount of air volume, and the output air pressure is relatively stable.
At the same time, it can reduce the temperature in the air line , remove part of water, dust, and impurities.

### The function of air tank.

A. Storage of compressed air.

B. The buffer pressure fluctuates due to the pressure of the air discharged from the compressor, so the pressure of the compressed air at the gas end can be more stable after the installation of a storage tank.

C. Pre-water removal part of the water vapor in the air has formed liquid water droplets after air compressor. Most of these water droplets will be deposited at the bottom of the air tank when passing through the air tank.There is a drain valve at the bottom of the air tank, which can be manually or automatically discharged.

### Selection of air tank

The pressure of the optional air tank should be consistent with the working pressure of the air compressor, with a volume size of approximately 1/5-1/10 of the air compressor's volumetric flow rate; If environmental conditions permit, large capacity air storage tank can be chosen to help store more compressed air and better pre-remove water.

**Safety Valve**
Safety protection device, the safety valve automatically opens when the air tank pressure exceeds.

**Pressure Gauge**
Clear display of air pressure,
real-time and accurate display of air tank pressure index.

**Machine Nameplate**
Aluminum alloy nameplate, rust and corrosion prevention.

**Air Inlet/Outlet Hole**
One in, one out, and below is the air inlet.

**Drainage Valve**
Simple switch, convenient for regular discharge of sewage from the air tank.

# DHF Air Tank Series (design pressure of  is matched with air compressor)

The air tank can store a certain amount of gas, and the output of air pressure is relatively stable,
and at the same time can reduce the temperature in the air circuit, remove part of the water, dust, impurities.

**Applicable to various conditions**
Operation with the temperatures below 110°C

**Safety Selection**
Easy to match maximum design work pressure

**High reliability**
Perfect design with good reliability

**Firm structure**
High quality paint protection improves safety

**Easy to install**
Equipped with fixing holes for easy installation

**Energy conservation**
Effectively buffering compressed air

# Technical Parameter of Air Tank

| Volume/Working Pressure | Design Temperature | Design Pressure | Working Temperature | Safety Air Flow | Total Height | Inner Diameter | Weight | Diameter of Air Inlet | Diameter of Air Outlet | Diameter of Safety Valve Connector | Set-pressure of Safety Valve | Diameter of cf Sewage Outlet | Pressure Gauge Interface |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.3/1.0 | 110 | 1.05 | 20-100 | 4.2 | 1589 | 550 | 125 | DN50 | DN50 | RP1/2 | 1.05 | R1/2 | RP1/2 |
| 0.3/1.3 | 110 | 1.37 | 20-100 | 5.3 | 1593 | 550 | 155 | DN50 | DN50 | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.3/1.6 | 110 | 1.68 | 0-100 | 14.5 | 1536 | 550 | 140 | DN50 | DN50 | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 0.5/0.8 | 110 | 0.84 | 20-100 | 3.3 | 2054 | 600 | 153 | RP1½ | RP1½ | RP1/2 | 0.84 | R1/2 | RP1/2 |
| 0.5/0.8B | 110 | 0.84 | 20-100 | 3.3 | 2054 | 600 | 163 | DN50 | DN50 | RP1/2 | 0.84 | R1/2 | RP1/2 |
| 0.5/0.8F | 110 | 0.84 | 20-100 | 3.3 | 2054 | 600 | 163 | DN50 | DN50 | RP1/2 | 0.84 | R1/2 | RP1/2 |
| 0.5/1.0 | 110 | 1.05 | 20-100 | 4.2 | 2055 | 600 | 168 | RP1½ | RP1½ | RP1/2 | 1.05 | R1/2 | RP1/2 |
| 0.5/1.0F | 110 | 1.05 | 20-100 | 4.2 | 2055 | 600 | 178 | DN50 | DN50 | RP1/2 | 1.05 | R1/2 | RP1/2 |
| 0.5/1.3 | 110 | 1.37 | 20-100 | 5.3 | 2057 | 600 | 198 | RP1½ | RP1½ | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.5/1.3B | 110 | 1.37 | 20-100 | 5.3 | 2057 | 600 | 198 | RP1½ | RP1½ | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.5/1.3F | 110 | 1.37 | 20-100 | 5.3 | 2057 | 600 | 208 | DN50 | DN50 | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.5/1.6 | 110 | 1.68 | 0-100 | 14.5 | 1960 | 600 | 173 | RP1½ | RP1½ | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 0.5/1.6B | 110 | 1.68 | 0-100 | 14.5 | 1960 | 600 | 173 | RP1½ | RP1½ | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 0.5/1.6F | 110 | 1.68 | 0-100 | 14.5 | 1960 | 600 | 184 | DN50 | DN50 | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 0.6/0.8B | 110 | 0.84 | 20-100 | 3.3 | 1900 | 700 | 170 | RP1½ | RP1½ | RP1/2 | 0.84 | R1/2 | RP1/2 |
| 0.6/0.8F | 110 | 0.84 | 20-100 | 3.3 | 1900 | 700 | 183 | DN65 | DN65 | RP1/2 | 0.84 | R1/2 | RP1/2 |
| 0.6/1.0B | 110 | 1.05 | 20-100 | 4.2 | 1902 | 700 | 200 | RP1½ | RP1½ | RP1/2 | 1.05 | R1/2 | RP1/2 |
| 0.6/1.0F | 110 | 1.05 | 20-100 | 4.2 | 1902 | 700 | 213 | DN65 | DN65 | RP1/2 | 1.05 | R1/2 | RP1/2 |
| 0.6/1.3B | 110 | 1.37 | 20-100 | 5.3 | 1904 | 700 | 240 | RP1½ | RP1½ | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.6/1.3F | 110 | 1.37 | 20-100 | 5.3 | 1904 | 700 | 255 | DN65 | DN65 | RP1/2 | 1.37 | R1/2 | RP1/2 |
| 0.6/1.6B | 110 | 1.68 | 0-100 | 14.5 | 2086 | 650 | 196 | RP1½ | RP1½ | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 0.6/1.6F | 110 | 1.68 | 0-100 | 14.5 | 2086 | 650 | 212 | DN65 | DN65 | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 1.0/0.8B | 110 | 0.84 | 20-100 | 5.3 | 2305 | 800 | 249 | RP1½ | RP1½ | RP3/4 | 0.84 | R1/2 | RP1/2 |
| 1.0/0.8F | 110 | 0.84 | 20-100 | 5.3 | 2305 | 800 | 264 | DN65 | DN65 | RP3/4 | 0.84 | R1/2 | RP1/2 |
| 1.0/1.0B | 110 | 1.05 | 20-100 | 6.6 | 2307 | 800 | 289 | RP1½ | RP1½ | RP3/4 | 1.05 | R1/2 | RP1/2 |
| 1.0/1.0F | 110 | 1.05 | 20-100 | 6.6 | 2307 | 800 | 304 | DN65 | DN65 | RP3/4 | 1.05 | R1/2 | RP1/2 |
| 1.0/1.3B | 110 | 1.37 | 0-100 | 8.5 | 2305 | 800 | 250 | RP1½ | RP1½ | RP3/4 | 1.37 | R1/2 | RP1/2 |
| 1.0/1.3F | 110 | 1.37 | 0-100 | 8.5 | 2305 | 800 | 265 | DN65 | DN65 | RP3/4 | 1.37 | R1/2 | RP1/2 |
| 1.0/1.6B | 110 | 1.68 | 0-100 | 23 | 2307 | 800 | 306 | RP1½ | RP1½ | RP1/2 | 1.68 | R1/2 | RP1/2 |
| 1.0/1.6F | 110 | 1.68 | 0-100 | 23 | 2307 | 800 | 322 | DN65 | DN65 | RP1 | 1.68 | R1/2 | RP1/2 |
| 1.5/0.8B | 110 | 0.84 | 0-100 | 5.3 | 2265 | 1000 | 278 | RP2 | RP2 | RP3/4 | 0.84 | R1/2 | RP1/2 |
| 1.5/0.8F | 110 | 0.84 | 0-100 | 5.3 | 2265 | 1000 | 290 | DN65 | DN65 | RP3/4 | 0.84 | R1/2 | RP1/2 |
| 1.5/1.0B | 110 | 1.05 | 0-100 | 6.6 | 2265 | 1000 | 298 | RP2 | RP2 | RP3/4 | 1.05 | R1/2 | RP1/2 |
| 1.5/1.0F | 110 | 1.05 | 0-100 | 6.6 | 2265 | 1000 | 310 | DN65 | DN65 | RP3/4 | 1.05 | R1/2 | RP1/2 |
| 1.5/1.3B | 110 | 1.37 | 0-100 | 8.5 | 2267 | 1000 | 371 | RP2 | RP2 | RP3/4 | 1.37 | R1/2 | RP1/2 |
| 1.5/1.3F | 110 | 1.37 | 0-100 | 8.5 | 2267 | 1000 | 385 | DN65 | DN65 | RP3/4 | 1.37 | R1/2 | RP1/2 |
| 1.5/1.6B | 110 | 1.68 | 0-100 | 23 | 2566 | 900 | 491 | RP2 | RP2 | RP3/4 | 1.68 | R1/2 | RP1/2 |
| 1.5/1.6F | 110 | 1.68 | 0-100 | 23 | 2566 | 900 | 507 | DN65 | DN65 | RP1 | 1.68 | R1/2 | RP1/2 |
| 2.0/0.8B | 110 | 0.84 | 0-100 | 21 | 2780 | 1000 | 335 | RP2 | RP2 | RP1¼ | 0.84 | R1/2 | RP1/2 |
| 2.0/0.8F | 110 | 0.84 | 0-100 | 21 | 2780 | 1000 | 350 | DN80 | DN80 | RP1¼ | 0.84 | R1/2 | RP1/2 |
| 2.0/1.0B | 110 | 1.05 | 0-100 | 25 | 2780 | 1000 | 365 | RP2 | RP2 | RP1¼ | 1.05 | R1/2 | RP1/2 |
| 2.0/1.0F | 110 | 0.84 | 0-100 | 21 | 2780 | 1000 | 350 | DN80 | DN80 | RP1¼ | 0.84 | R1/2 | RP1/2 |
| 2.0/1.3B | 110 | 1.37 | 0-100 | 33 | 2782 | 1000 | 450 | RP2 | RP2 | RP1¼ | 1.37 | R1/2 | RP1/2 |
| 2.0/1.3F | 110 | 1.37 | 0-100 | 33 | 2782 | 1000 | 470 | DN80 | DN80 | RP1¼ | 1.37 | R1/2 | RP1/2 |
| 2.0/1.6B | 110 | 1.68 | 0-100 | 40 | 2786 | 1000 | 588 | RP2 | RP2 | RP1¼ | 1.68 | R1/2 | RP1/2 |
| 2.0/1.6F | 110 | 1.37 | 0-100 | 33 | 2782 | 1000 | 470 | DN80 | DN80 | RP1¼ | 1.37 | R1/2 | RP1/2 |
| 2.5/0.8F | 110 | 0.84 | 0-100 | 21 | 3300 | 1000 | 400 | DN80 | DN80 | RP1¼ | 0.84 | R1/2 | RP1/2 |
| 2.5/1.0F | 110 | 1.05 | 0-100 | 25 | 3300 | 1000 | 435 | DN80 | DN80 | RP1¼ | 1.05 | R1/2 | RP1/2 |
| 2.5/1.3F | 110 | 1.05 | 0-100 | 25 | 3300 | 1000 | 435 | DN80 | DN80 | RP1¼ | 1.05 | R1/2 | RP1/2 |
| 2.5/1.6F | 110 | 1.68 | 0-100 | 40 | 3306 | 1000 | 712 | DN80 | DN80 | RP1¼ | 1.68 | R1/2 | RP1/2 |
| 3.0/0.8 | 110 | 0.84 | 0-100 | 33 | 2920 | 1200 | 525 | DN80 | DN80 | RP1½ | 0.84 | R1/2 | RP1/2 |
| 3.0/1.0 | 110 | 1.05 | 0-100 | 41 | 2922 | 1200 | 550 | DN80 | DN80 | RP1½ | 1.05 | R1/2 | RP1/2 |
| 3.0/1.3 | 110 | 1.37 | 0-100 | 50 | 2924 | 1200 | 715 | DN80 | DN80 | RP1½ | 1.37 | R3/4 | RP1/2 |
| 3.0/1.6 | 110 | 1.68 | 0-100 | 63 | 2926 | 1200 | 855 | DN80 | DN80 | RP1½ | 1.68 | R3/4 | RP1/2 |
| 4.0/0.8 | 110 | 0.84 | 0-100 | 33 | 3030 | 1400 | 645 | DN100 | DN100 | RP1½ | 0.84 | R3/4 | RP1/2 |
| 4.0/1.0 | 110 | 1.05 | 0-100 | 41 | 3032 | 1400 | 740 | DN100 | DN100 | RP1½ | 1.05 | R3/4 | RP1/2 |
| 4.0/1.3 | 110 | 1.37 | 0-100 | 50 | 3036 | 1400 | 940 | DN100 | DN100 | RP1½ | 1.37 | R3/4 | RP1/2 |
| 4.0/1.6 | 110 | 1.68 | 0-100 | 63 | 3040 | 1400 | 1169 | DN100 | DN100 | RP1½ | 1.68 | R3/4 | RP1/2 |
| 5.0/0.8 | 110 | 0.84 | 0-100 | 54 | 3630 | 1400 | 765 | DN100 | DN100 | RP2 | 0.84 | R3/4 | RP1/2 |
| 5.0/1.0 | 110 | 1.05 | 0-100 | 65 | 3632 | 1400 | 885 | DN100 | DN100 | RP2 | 1.05 | R3/4 | RP1/2 |
| 5.0/1.3 | 110 | 1.37 | 0-100 | 85 | 3636 | 1400 | 1125 | DN100 | DN100 | RP2 | 1.37 | R3/4 | RP1/2 |
| 5.0/1.6 | 110 | 1.68 | 0-100 | 103 | 3640 | 1400 | 1428 | DN100 | DN100 | RP2 | 1.68 | R3/4 | RP1/2 |
| 6.0/0.8 | 110 | 0.84 | 0-100 | 54 | 4230 | 1400 | 870 | DN100 | DN100 | RP2 | 0.84 | R3/4 | RP1/2 |
| 6.0/1.0 | 110 | 1.05 | 0-100 | 65 | 4232 | 1400 | 1010 | DN100 | DN100 | RP2 | 1.05 | R3/4 | RP1/2 |
| 6.0/1.3 | 110 | 1.37 | 0-100 | 85 | 4236 | 1400 | 1300 | DN100 | DN100 | RP2 | 1.37 | R3/4 | RP1/2 |
| 6.0/1.6 | 110 | 1.68 | 0-100 | 103 | 4240 | 1400 | 1643 | DN100 | DN100 | RP2 | 1.68 | R3/4 | RP1/2 |
| 8.0/0.8 | 110 | 0.84 | 0-100 | 54 | 3154 | 2000 | 1369 | DN125 | DN125 | RP2 | 0.84 | R3/4 | RP1/2 |
| 8.0/1.0 | 110 | 1.05 | 0-100 | 65 | 3156 | 2000 | 1543 | DN125 | DN125 | RP2 | 1.05 | R3/4 | RP1/2 |
| 8.0/1.3 | 110 | 1.37 | 0-100 | 85 | 3190 | 2000 | 1878 | DN125 | DN125 | RP2 | 1.37 | R3/4 | RP1/2 |
| 8.0/1.6 | 110 | 1.68 | 0-100 | 103 | 3194 | 2000 | 2185 | DN125 | DN125 | RP2 | 1.68 | R3/4 | RP1/2 |
| 10/0.8 | 110 | 0.84 | 0-100 | 85 | 3754 | 2000 | 1601 | DN150 | DN150 | RP2½ | 0.84 | R3/4 | RP1/2 |
| 10/1.0 | 110 | 1.05 | 0-100 | 105 | 3756 | 2000 | 1743 | DN150 | DN150 | RP2½ | 1.05 | R3/4 | RP1/2 |
| 10/1.3 | 110 | 1.37 | 0-100 | 130 | 3790 | 2000 | 2159 | DN150 | DN150 | RP2½ | 1.37 | R3/4 | RP1/2 |
| 10/1.6 | 110 | 1.68 | 0-100 | 161 | 3794 | 2000 | 2542 | DN150 | DN150 | RP2½ | 1.68 | R3/4 | RP1/2 |

## Filter series (The design pressure is matched with the air compressor)

We offer you a full range of compressed air filter solutions covering different types and grades of filters.

Safety and Reliability

Easy Maintenance

Economic Operation

Quality assurance

## Technical Parameter of B&D Filter

| Model No. | Connector Size m³/min | Air Flow | | Max.Working Pressure bar | Weight kg | Size | | | Model Number of Filter | Mode of sewage discharge |
|---|---|---|---|---|---|---|---|---|---|---|
| | | m³/min | CFM | | | A | B | C | | |
| BD-015 | G¾" | 1.5 | 53.0 | 16 | 1.1 | 267 | 243 | 89 | 1X015 | External or Built-in |
| BD-024 | G1½" | 2.4 | 84.7 | 16 | 2.2 | 513.5 | 480 | 109 | 1X024 | External or Built-in |
| BD-035 | G1½" | 3.5 | 123.6 | 16 | 2.2 | 513.5 | 480 | 109 | 1X035 | External or Built-in |
| BD-060 | G1½" | 6.0 | 211.9 | 16 | 2.7 | 513.5 | 480 | 109 | 1X060 | External or Built-in |
| BD-090 | G2½" | 9.0 | 317.8 | 10 | 8 | 550 | 409 | 150 | 1X090 | External or Built-in |
| BD-120 | G2½" | 12.0 | 423.7 | 10 | 16 | 928 | 887 | 150 | 1X120 | External or Built-in |
| BD-150 | G2½" | 15.0 | 529.7 | 10 | 16 | 928 | 887 | 150 | 1X150 | External or Built-in |
| BD-240A | PN1.6DN80 | 20.0 | 786.5 | 10 | 50 | 1150 | 950 | 345 | 1X200 | External or Built-in |
| BD-240 | PN1.6DN100 | 24.0 | 847.5 | 10 | 70 | 1150 | 950 | 405 | 2X120 | External or Built-in |
| BD-360 | PN1.6DN100 | 36.0 | 1271.2 | 10 | 85 | 1250 | 1050 | 480 | 3X120 | External or Built-in |
| BD-450 | PN1.6DN100 | 45.0 | 1589 | 10 | 86 | 1250 | 1050 | 480 | 3X150 | External or Built-in |
| BD-600 | PN1.6DN100 | 60.0 | 2118.6 | 8 | 88 | 1250 | 1050 | 480 | 4X150 | External or Built-in |
| BD-900 | PN1.6DN150 | 90.0 | 3178 | 8 | 200 | 1810 | 1311 | 590 | 6X150 | External or Built-in |
| BD-1200 | PN1.6DN150 | 120.0 | 4237.3 | 8 | 248 | 1895 | 1350 | 660 | 8X150 | External or Built-in |
| BD-1500 | PN1.6DN150 | 150.0 | 5296.6 | 8 | 260 | 1900 | 1335 | 700 | 10X150 | External or Built-in |

## Technical Parameter of DHF Series Filter

| Model No. | Connector Size m³/min | Air Flow m³/min | Model Number of Filter | Dimension |
|---|---|---|---|---|
| DHF-015 | ¾" | 1.5 | 015 | 85X85X245 |
| DHF-024 | 1½" | 2.4 | 024 | 110X110X315 |
| DHF-035 | 1½" | 3.5 | 035 | 110X110X315 |
| DHF-060 | 1½" | 6 | 060 | 110X110X450 |
| DHF-090 | 2½"(2') | 9 | 090 | 140X133X510 |
| DHF-120 | 2½"(2') | 12 | 120 | 140X133X870 |
| DHF-150 | 2½"(2') | 15 | 150 | 140X133X870 |
| DHF-240 | customized | 24 | -44 | 350X133X980 |
| DHF-360 | customized | 36 | -44 | 420X230X940 |

## Domestic and foreign customer network

## Certification


广东葆德科技有限公司

Guangdong
Baldor-tech Co., Ltd

2024版本(2024 Version)

地址(Add):佛山市三水区乐平镇乐新大道6号
Address: No.6 Lexin Avenue Leping town,Sanshui District, Foshan, Guangdong, China
电话(Tel): +86 757 87398111　传真(Fax): +86 757 87398118
Email: info@bdcompressor.com　Web: www.aircompressorfactory.com　www.bdcompressor.com
24小时服务热线: 400-9980-222