

BO&D

BE A LEGEND OF RAPIDITY



B&D, Leading Brand of Intelligent PM VSD Compressor



B&D Intelligent Manufacturing

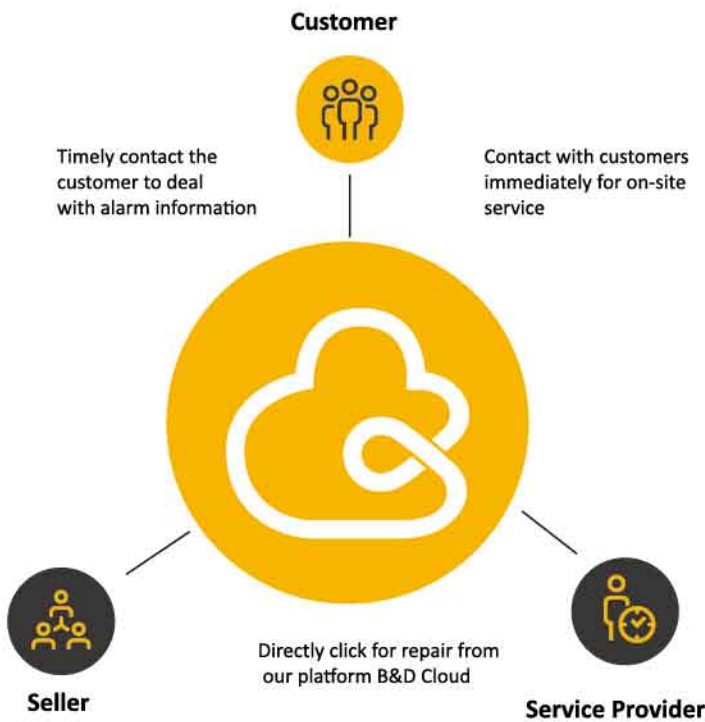
Guangdong Baldor Holding Group (hereinafter referred to as B&D company) was established as Foshan XDS Electromechanical Co.,Ltd in 1999, then integrated with R&D, manufacturing, sales and IOT system of compressors. We are a national high-tech enterprise, and are awarded as Energy Saving Compressor Technology 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.

With international leading technology in intelligent and energy saving compressor, our products cover 3.7KW~2000KW, included oil-injected and oil-free types, both traditional fixed speed and newest variable speed driven type with permanent magnet synchronous motor and inverter. There are single-stage compression and two-stage compression, with pressure ranged from 0.6barG to 35barG. Except from the fixed speed type A Series and PM VSD type EPM/LS Series, we can also provide low pressure type (2barG~5.5barG) compressors, high pressure type(15.5barG/ 25barG) compressors for laser cutting machinery, oil-free scroll compressors (3.7KW~7.5KW) with air dryer and air receiver tank, oil-free water lubricated screw compressors (7.5KW~75KW), oil-free dry screw compressors (55KW~355KW), oil-free screw blower (37KW~110KW), centrifugal compressors (150KW~2000KW) and air dryers (both refrigerated dryer and desiccant dryer) and etc.

All B&D compressors are equipped with "B&D cloud" digital online management system, which realized a truly "Human-machine interaction" in industrial field. Our products are widely used in different industries and keep received good feedback from markets.





Cloud Data

B&D Cloud collects the operation data in real time and transmits it to the server to provide users with various data services.

- Real-time Monitor
- Historical Data
- Reports
- Notification
- Data Remote Modification



Support in B&D Cloud

Cloud Documents

This system provides maintenance tutorial videos, introduction of the principle of air compressor, usage summary and other relevant documents, so that users can use our air compressor more professionally and at ease.

- Installation Videos
- Maintenance Videos
- Principle Introductions
- Problems Summary

Cloud Service

B&D Cloud provides fully visual maintenance and management services in order to make the maintaining process more transparent and efficient.

- One-click Order for After-sales Service
- Orders View
- Maintenance Comment
- Service and Maintenance Files



Personalized R&D for Different Industry Characteristics



CUSTOMIZATIONS FOR DIFFERENT INDUSTRIES

B&D has not only advanced concept and consciousness, but also good control for the quality of our products. We strive to organize an outstanding R&D teams to develop our products according to all kinds of industrial characteristics and working conditions, so as to meet your special need and be truly professional for you.

Gearless Double Motors, Two-stage Compressor

Supporting bearings are reduced to obtain low-wear, higher efficiency, low energy consumption, easy maintenance and low costs.

Aluminum-alloy Oil-cooling Motor

Light weight, rapid cooling, IP65, anti-rust.



Ceramic Industry

For applications which need large air capacity, but with dusty and bad working conditions.



Textile Industry

For applications which need large air capacity, low and stable pressure, but with much tiny cotton wool.



Glass Industry

For applications which need continuous operating, low pressure and large air capacity but with bad operating conditions.



Cement Industry

For applications which need low pressure and large air capacity but with bad operating conditions.





One-stop Purchasing to Keep the Whole Process in Control

01



02



Order Online or Offline

If you want to repair or maintain your compressors, you can place your order on B&D Cloud or on our WeChat official account easily. After that, your order will soon be processed.

High Standard Worldwide Spare Parts

Each spare part is durable as they are selected and customized worldwide according to national production certification standard and B&D high requirement.



03



04



05



Transparent and Visual Production

With the help of the data, we can monitor and manage all production processes starting from spare parts coming in to the whole machine delivering out from our factory.

Logistic Management

We cooperate with famous and good-service logistic companies only to ensure on-time and safe delivery.

Installation

Do not worry about the installation. Make a booking on our APP or WeChat official account when the machine arrive and it will be processed soon. We can monitor your machine online and take immediate action for you.

05

Innovative B&D · Smart Manufacturing
Make Joint Efforts to Build B&D Smart Platform

LS Series

- Small footprint.
- Owning multiple propriety patents.
- With refreshing outlook and unique air inlet design.
- With smart online management system on B&D Cloud.
- The oil level can be checked with the sight glass without opening the compressor.
- The fully enclosed positive pressure box improves the suction efficiency, eliminates the noise, and avoid lubricating oil leakage.
- The centrifugal fan is installed on the side panel of the enclosure, and the cooler is on the top, with internal layout optimized by flow field analysis of computer simulation.
- Integrated vertical air end + vibration reduction design + flexible discharge piping, good dynamic balance of the rotors, low vibration, low noise and low power consumption.
- The oil outlet of the oil-cooled motor and the oil injection port of the air end are seamlessly connected through internal flow passage, reducing the oil pipelines and the leakage points.



Data Sheet of LS Series Screw Air Compressor

Model	Rated Pressure Range MPa	Pressure Range MPa	FAD m ³ /min	Weight kg	Dimension (L/W/H mm)	Cooling Method	
BD-LS11	0.7	0.6-0.8	0.73-1.82	340	1083*720*1230	Air-cooling	
BD-LS15			0.99-2.48				
BD-LS18			1.28-3.2	500	1295*860*1520		
BD-LS22			1.52-3.8		1295*860*1400		
BD-LS30+			2.08-5.2	770	1576*980*1620		
BD-LS37			2.48-6.2				
BD-LS45			2.96-7.4	1150	1866*1100*1800		
BD-LS37+			2.8-7				
BD-LS45+			3.44-8.6				
BD-LS55			4.24-10.6				
BD-LS75			4.72-11.8	1220	1865*1150*1800		
BD-LS75+			5.84-14.6		1865*1250*1900		
BD-LS90			6.88-17.2	1700	2114*1430*2050		
BD-LS110+			9.4-23.5				
BD-LS132			11.2-28	2550	2260*1600*2200		Water-cooling

Intelligent PM VSD Screw Air Compressor

EPM Series

- With lots of technology patents.
- Remote control system provided.
- With latest air end and one-shaft structure make it more compact, stable and effective.
- High-efficiency PM motor saves about 6-7% more energy compared with 3 phase asynchronous motor.
- Due to the intelligent VSD technology, this air compressor saves 42% more energy than a fixed speed one.



Data Sheet of EPM Series VSD Screw Air Compressor

Model		BD-7.5EPM	BD-11EPM	BD-15EPM	BD-22EPM	BD-30EPM	BD-37EPM	BD-45EPM	BD-55EPM
Pressure (Mpa)	FAD (m ³ /min)								
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	2.72~6.8	3.36~8.4	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	2.28~5.69	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	°C	-5~+40°C							
Cooling Mode		Air-cooling				Air- or Water-cooling			
Discharge Temperature	°C	≤10°C Environment Temp+10°C<40°C							
Lubricant	Liter	4	9	16	20	30	30	55	55
Noise	dB(A)	62±2			65±2				68±2
Driven mode		Permanent Magnet Synchronous							
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz							
Power	KW	7.5	11	15	22	30	37	45	55
Starting mode		VSD Starter							
Dimension	Length mm	900	1020		1250		1450		1600
	Width mm	600	710		800		900		1150
	Height mm	820	1020		1120		1250		1370
Weight	kg	190	286	300	430	580	585	780	950
Air Outlet Pipe Diameter	inch	ZG½"	ZG1"		ZG¾"		ZG1½"		ZG2"

Model		BD-75EPM	BD-90EPM	BD-110EPM	BD-132EPM	BD-160EPM	BD-185EPM	BD-220EPM	BD-250EPM
Pressure (Mpa)	FAD (m ³ /min)								
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							
Discharge Temperature	°C	≤10°C Environment Temp+10°C<40°C							
Lubricant	Liter	65	90	120	120	120	144	144	144
Noise	dB(A)	68±2			75±2			78±2	
Driven mode		Permanent Magnet Synchronous							
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz							
Power	KW	75	90	110	132	160	185	220	250
Starting mode		VSD Starter							
Dimension	Length mm	1800	1900	2200		3184		3684	
	Width mm	1250	1250	1550		2034		2306	
	Height mm	1550	1650	1800		2000		2440	
Weight	kg	1055	1280	2880	3080	3900	4200	4600	5000
Air Outlet Pipe Diameter	inch	ZG2"		DN80		DN100		DN125	

B&D Two-stage Air Compressor

PM-II Series

- Name brand spare parts
- Digital Management IOT System for intelligent operation
- Dual variable speed driven for main motor and fan motor for saving energy and low noise
- Oil cooler with super large heat exchange area to improve the system cooling efficiency
- Two-stage compression integrated airend (patent) with energy-saving permanent magnet motor



Data Sheet of PM-II Series Two-stage VSD Screw Air Compressor (0.7~1.25 Mpa)

Pressure (Mpa)	Model		BD-30PM-II	BD-50PM-II	BD-75PM-II	BD-100PM-II	BD-125PM-II	BD-150PM-II
	FAD (m ³ /min)							
	0.7/0.6-0.8		1.68-4.2	3.04-7.6	5.08-12.7	6.6-16.5	8.08-20.2	9.68-24.2
	1/0.8-1		1.52-3.8	2.72-6.8	4.56-11.4	5.68-14.2	7.16-17.9	8.32-20.8
	1.25/1-1.25		1.28-3.2	2.32-5.8	3.88-9.7	4.84-12.1	6.08-15.2	7.08-17.7
Ambient Temperature	°C		-5~+40°C					
Cooling Mode			Air- or Water-cooling					
Discharge Temperature	°C		≤10°C Environment Temp+10°C<40°C					
Lubricant	Liter		35	45	85		90	
Noise	dB(A)		70±2		73±2		75±2	
Driven mode			Permanent Magnet Synchronous					
Electricity (V/ph/Hz)			220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz					
Power	KW		22	37	55	75	90	110
Starting mode			VSD Starter					
Dimension	Length	mm	1500	1750	2200		3044	
	Width	mm	1000	1150	1550		1884	
	Height	mm	1350	1500	1800		1844	
Weight	kg		620	1450	2280	2390	2500	2600
Air Outlet Pipe Diameter	inch		ZG1-½"		ZG2"		DN80	

Pressure (Mpa)	Model		BD-175PM-II	BD-200PM-II	BD-250PM-II	BD-275PM-II	BD-300PM-II	BD-350PM-II
	FAD (m ³ /min)							
	0.7/0.6-0.8		11.2-28	13.44-33.6	15.12-37.8	16.4-41	18-45	21.08-52.7
	1/0.8-1		9.44-23.6	11.36-28.4	11.36-28.4	14.4-36	16-40	18.08-45.2
	1.25/1-1.25		8.04-20.1	9.6-24	9.6-24	12.4-31	14-35	15.36-38.4
Ambient Temperature	°C		-5~+40°C					
Cooling Mode			Air- or Water-cooling					
Discharge Temperature	°C		≤10°C Environment Temp+10°C<40°C					
Lubricant	Liter		144			188		
Noise	dB(A)		75±2			78±2		
Driven mode			Permanent Magnet Synchronous					
Electricity (V/ph/Hz)			220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz					
Power	KW		132	160	185	200	220	250
Starting mode			VSD Starter					
Dimension	Length	mm	3184			3684		
	Width	mm	2034			2306		
	Height	mm	2000			2440		
Weight	kg		3800	3900	5500	5800	6000	6500
Air Outlet Pipe Diameter	inch		DN100			DN125		

Data Sheet of A-II Series Fixed Speed Two-stage Screw Air Compressor

Model		BD-30A-II	BD-50A-II	BD-75A-II	BD-100A-II	BD-125A-II	BD-150A-II
Pressure (Mpa)	FAD (m³/min)						
	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					
Discharge Temperature	°C	≤10°C Environment Temp+10°C<40°C					
Lubricant	Liter	35	45	85		90	
Noise	dB(A)	70±2		73±2		75±2	
Driven mode		Direct drive					
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/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	1550		1884	
	Height mm	1350	1500	1800		1844	
Weight	kg	620	1300	2200	2600	2500	2600
Air Outlet Pipe Diameter	inch	ZG1-½"		ZG2"		DN80	

Model		BD-175A-II	BD-200A-II	BD-250A-II	BD-275A-II	BD-300A-II	BD-350A-II
Pressure (Mpa)	FAD (m³/min)						
	0.7/0.6-0.8	28	33.6	37.8	41	45	52.7
	1/0.8-1	23.6	28.4	34	36	40	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					
Discharge Temperature	°C	≤10°C Environment Temp+10°C<40°C					
Lubricant	Liter	144			188		
Noise	dB(A)	75±2			78±2		
Driven mode		Direct drive					
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/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	3800	3900	5500	2800	6000	6500
Air Outlet Pipe Diameter	inch	DN100			DN125		

Low Pressure Two-stage PM VSD Screw Air Compressor

LPM-II Series

- The pioneer of Intelligent permanent magnet variable speed technology, with IP65 protection level and unique technology of systematic optimization;
- Good overall solutions for air using provided with energy-saving tests, proposal design, product selection, delivery, installation, piping configuration and operation training;
- Low power density and high cost performance with great adaptability to bad operation conditions, the best choice for industrial subdivision customization.



Data Sheet of LPM-II Series Low Pressure Two-stage Screw Air Compressor

Model		FAD (m ³ /min)							
		BD-75LPM-II	BD-100LPM-II	BD-125LPM-II	BD-150LPM-II	BD-175LPM-II	BD-250LPM-II	BD-300LPM-II	BD-350LPM-II
Pressure (Mpa)	0.55/0.4-0.55	6.68-16.7	7.8-19.5	9.6-24	11.4-28.5	13.44-33.6	19.4-48.5	22-55	26-65
Ambient Temp	°C	-5 ~ +40°C							
Cooling Model		Air-or Water-Cooling							
Discharge Temperature	°C	≤Environment Temp+10°C (Air-Cooling) <40°C (Water-Cooling)							
Lubricant	L	85	90	144	188				
Noise	dB(A)	73±2		73±2			78±2		
Driven mode		Permanent Magnet Synchronous							
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz							
Power	KW	55	75	90	110	132	185	220	250
Straing Method		VSD Starter							
Dimension	Length	mm	2200	3044	3184	3684			
	Width	mm	1550	1844	2034	2306			
	Height	mm	1800	1850	2000	2400			
Weight	KG	2300	2400	2600	2750	3800	5500	6000	6500
Air Outlet Pipe Diameter	inch	DN80				DN100	DN125		

Low Pressure Single Stage PM VSD Screw Air Compressor

LPM Series

- The pioneer of Intelligent permanent magnet variable speed technology, with IP65 protection level and unique technology of systematic optimization;
- Good overall solutions for air using provided with energy-saving tests, proposal design, product selection, delivery, installation, piping configuration and operation training;
- Low power density and high cost performance with great adaptability to bad operation conditions, the best choice for industrial subdivision customization.



Data Sheet of LPM Series Low Pressure Single Stage Screw Air Compressor

Model		BD-390LPM/3	BD-390LPM/5	BD-600LPM/3	BD-600LPM/5	BD-750LPM/3	BD-750LPM/5	BD-1100LPM/3	BD-1100LPM/5	BD-1560LPM/3	BD-1560LPM/5
FAD/ Discharge Pressure	Mpa	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	0.5/0.3-0.5
	m ³ /min	4.42-11.05	4.42-11.05	7.4-18.5	7.4-18.5	8.4-21	8.4-21	12.48-31.2	12.48-31.2	16.8-42	16.2-40.5
Ambient Temp	°C	-5 ~ +40°C									
Cooling Model		Air- or Water-Cooling									
Discharge Temperature	°C	≤ Environment Temp+10°C (Air-Cooling) < 40°C (Water-Cooling)									
Lubricant	L	72		120			188		208		
Noise	dB(A)	66±2	68±2			75±2		78±2			
Driven mode		Permanent Magnet Synchronous									
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz									
Power	KW	37	45	55	75	90	110	132	132	160	
Straing Method		VSD Starter									
Dimension	Length	mm	1900		2200			3384		3690	
	Width	mm	1250		1550			2140		2140	
	Height	mm	1650		1900			2000		2250	
Weight	KG	1400	1450	2680	2800	3080	3500	4080	4150	4280	4580
Air Outlet Pipe Diameter	inch	ZG2"		DN80			DN100		DN200		

Low RPM Low Pressure PM VSD Screw Air Compressor

LPM Series

- The pioneer of Intelligent permanent magnet variable speed technology, with IP65 protection level and unique technology of systematic optimization;
- Good overall solutions for air using provided with energy-saving tests, proposal design, product selection, delivery, installation, piping configuration and operation training;
- Low power density and high cost performance with great adaptability to bad operation conditions, the best choice for industrial subdivision customization.



Data Sheet of LPM Series Low RPM Low Pressure Screw Air Compressor

Model	BD-75LPM/3		BD-750LPM/5	BD-1100LPM/3	BD-1100LPM/5	BD-1560LPM	BD-1560LPM/5	BD-1900LPM/3	
FAD/ Discharge Pressure	Mpa	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	0.3/0.3-0.5	0.3/0.18-0.3	0.5/0.3-0.5	0.3/0.18-0.3	
	m ³ /min	9-22.5	9-22.5	12.2-30.5	12.2-30.5	18.8-47	18.8-47	22.6-56.5	
Ambient Temp	°C	-5 ~ +40°C							
Cooling Model	Air-or Water-Cooling								
Discharge Temperature	°C	≤Environment Temp+10°C (Air-Cooling) <40°C (Water-Cooling)							
Lubricant	L	120		188		208			
Noise	dB(A)	75±2							
Driven mode	Permanent Magnet Synchronous								
Electricity (V/ph/Hz)	220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz								
Power	KW	75	90	90	132	132	185	185	
Straining Method	VSD Starter								
Dimension	Length	mm	2200		3384		3690		
	Width	mm	1550		2140		2140		
	Height	mm	1900		2000		2250		
Weight	KG	3800	4300	4100	4500	6800	7100	7200	
Air Outlet Pipe Diameter	inch	DN100	DN100	DN100	DN100	DN200	DN200	DN250	

Tank-mounted Air Compressor

TK Series

- Tank-mounted, easy installation.
- The start-up and shutdown of the cooling fan can be set according to different seasons to better control the oil temperature and avoid its emulsification.
- Vibration reduction design and flexible piping are adopted to effectively reduce vibration and noise, and the operating noise <70dB(A).
- Stainless steel piping is used for the post-treatment to avoid secondary pollution.
- PM VSD screw air compressor ensures stable working pressure.
- Highly effective refrigerated air dryer and 4-stage precision filters are used to ensure the purity of the compressed air, with the pressure dew point as low as 2-8°C.
- Centralized drainage adopted to the post-treatment.to keep the surroundings clean.



Data Sheet of TK Series Tank-mounted Compressor

Model	Rated Working Pressure (Mpa)	F.A.D range	Rated Power (Kw)	Weight (Kg)	Dimensions (L*W*H)mmm
PM7.5TK	0.8	0.54-1.35	7.5	450	1300*625*1410
	1	0.41-1.03			
	1.25	0.33-0.83			
PM11TK	0.8	0.8-1.8	11	450	1300*625*1410
	1	0.54-1.34		532	1592*750*1661
	1.25	0.41-1.03			
	1.5	0.39-0.97			
PM15TK	0.8	1.04-2.6	15	450	1300*625*1410
	1	0.83-2.07			
	1.25	0.7-1.76		532	1592*750*1661
	1.5	0.51-1.27			
PM22TK	0.8	1.52-3.8	22	550	1500*700*1550
	1	1.28-3.21		657	1712*800*1860
	1.25	1.12-2.79			
	1.5	0.92-2.3			
	2.5	0.6-1.2			

Fixed Speed Screw Air Compressor

A Series

- Y-delta startup.
- Schneider electronic components, IP54 TEFC motor.
- Fixed speed asynchronous motor, coupling direct/belt driven.
- IOT system for real-time monitoring of compressor system operation.



Data Sheet of A Series Fixed Speed Screw Air Compressor

		Model								
Pressure (Mpa)	FAD (m³/min)	BD-7.5A	BD-10A	BD-15A	BD-20A	BD-30A	BD-40A	BD-50A	BD-60A	BD-75A
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	°C	-5 ~ +40°C								
Cooling Mode		Air-Cooling				Air-or Water-Cooling				
Discharge Temperature	°C	≤Environment Temp+10°C (Air-Cooling) < 40°C (Water-Cooling)								
Lubricant	Liter	6	9	18	30	55				
Noise	dB(A)	66±2								68±2
Driven mode		Belt drive				Direct drive				
Electricity (V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz								
Power	KW	5.5	7.5	11	15	22	30	37	45	55
Starting mode		Direct Starting			Y- ΔStarter					
Dimension	Length	mm	900	1100	1380	1500	1750			
	Width	mm	650	710	850	1000	1150			
	Height	mm	920	1100	1125	1350	1500			
Weight	kg	178	200	330	340	500	680	1038		
Air Outlet Pipe Diameter	inch	ZG1½"	ZG1"	ZG1¼"	ZG1½"	ZG2"				

Fixed Speed Screw Air Compressor

A Series

- Y-delta startup.
- Schneider electronic components, IP54 TEFC motor.
- Fixed speed asynchronous motor, coupling direct/belt driven.
- IOT system for real-time monitoring of compressor system operation.



Data Sheet of A Series Fixed Speed Screw Air Compressor

Pressure (Mpa)	Model		BD-100A	BD-125A	BD-150A	BD-175A	BD-200A	BD-250A	BD-300A	BD-350A
	FAD (m ³ /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	°C		-5 ~ +40°C							
Cooling Mode			Air-or Water-Cooling							
Discharge Temperature	°C		≤Environment Temp+10°C (Air-Cooling) < 40°C (Water-Cooling)							
Lubricant	Liter		65	90	120	144				
Noise	dB(A)		68±2	75±2	78±2					
Driven mode			Direct drive							
Electricity	(V/ph/Hz)		220V/380V/415V/440V/460V/480V/3ph/50Hz/60Hz							
Power	KW		75	90	110	132	160	185	220	250
Starting mode			Y-△Starter							
Dimension	Length	mm	1900	2200	3184	3684				
	Width	mm	1250	1500	2034	2306				
	Height	mm	1650	1800	2000	2440				
Weight	kg		1200	2100	2000	3500	3900	4200	4600	5000
Air Outlet Pipe Diameter	inch		ZG2"		DN80		DN100		DN125	

Dry Type Oil - free Screw Compressor

DM Series Applications

Industries for food&beverages, medicine, Air-separation industry, petrochemical industry, electronic engineering and instrument industry.



- Protection level higher than IP55;
- Energy saving IE3 fixed speed induction motor;
- “B&D Cloud” digital supervisory system provided.
- Effective specialized oil seals, no wear with good effect;
- Durable compression modules with stability and reliability;
- Certified 100% oil-free compressed air with the industrial standard;



Data Sheet of DM Series Two-stage Dry Oil-free Screw Compressors

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

Data Sheet of DL Series Single-stage Dry Oil-free Screw Compressors

FAD m³/min	Model 1.5bar(g)	Model 2.5bar(g)	Model 3.5bar(g)	(L*W*H)mm	Net Weight kg
7.8	DL8-1S	DL8-2S	DL8-3S	2600*1300*1700	2600
10.8	DL10-1S	DL10-2S	DL10-3S		
12.4	DL12-1S	DL12-2S	DL12-3S		
17.3	DL17-1S	DL17-2S	DL17-3S	3260*1590*1800	3200
20.4	DL20-1S	DL20-2S	DL20-3S		
24	DL24-1S	DL24-2S	DL24-3S		
33.6	DL26-1S	DL26-2S	DL26-3S	3500*1600*1900	3800
50	DL29-1S	DL29-2S	DL29-3S		
26.2	DL34-1S	DL34-2S	DL34-3S		
29.2	DL36-1S	DL36-2S	DL36-3S	3950*1800*2100	4500
35.6	DL39-1S	DL39-2S	DL39-3S		
38.8	DL44-1S	DL44-2S	DL44-3S		
43.7	DL50-1S	DL50-2S	DL50-3S	4050*1900*2100	5500
55.5	DL56-1S	DL56-2S	DL56-3S		
62.4	DL62-1S	DL62-2S	DL62-3S		
71.2	DL71-1S	DL71-2S	DL71-3S	4050*1900*2100	5500
78.8	DL79-1S	DL79-2S	DL79-3S		
88.5	DL88-1S	DL88-2S	DL88-3S		

Water-lubricated Twin-screw Compressor

GS Series

Applications

Industries including food&beverages, electronic engineering, medicine, medical treatment, precision manufacturing and instrument industry.



- “B&D Cloud” digital supervisory system provided.
- Ultra-low air-discharge temperature, vibration and noise;
- Food-grade stainless steel pipelines and shells with water treatment;
- Special designed water-lubricated bearings makes a true oil-free compressor;
- VSD Control with permanent magnet motor and inverter, energy-saving and environmental friendly;
- Highly effective and self-developed twin-screw airoend with stability, reliability and lots of patent technologies;

Data Sheet of GS Series Twin-screw Water-lubricated Oil-free Compressors

Model	BD-07GSAV	BD-11GSAV	BD-15GSAV	BD-22GSAV	BD-37GSAV	BD-45GSAV	BD-55GSAV	BD-37GSWV	BD-45GSWV	BD-55GSWV
Rated Pressure Range (Mpa)	0.5~1									
FAD m ³ /min	1.1	1.5	2.2	3.3	5.4	6.2	8.5	5.6	6.8	8.8
Discharge Temperature °C	Ambient Temperature+25							Ambient Temperature+15		
Motor Power °C	7.5	11	15	22	37	45	55	37	45	55
	10	15	20	30	50	60	75	50	60	75
Dimensions (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
Net Weight kg	480	500	600	620	1200	1200	1240	1240	1300	1300

*The data of free air delivery refers to that in designed working conditions with working pressure 0.8 Mpa. Please consult the engineer for data in other working conditions.

Oil-free Scroll Compressor

WSTK Series

Applications

Industries for food, medical treatment, new energy resources, hyperbaric oxygen chambers, laboratories, printing industry, chemical engineering and precision painting, etc.

- Easy installation, small footprint and ready to use after installation;
- High-performance belt-driven fixed speed air end, less consumable parts and higher stability;
- Small torque change, high balance, small vibration, balanced operation and easy to use;
- Certified 100% oil-free compressed air, continuous and smooth air supply, reliable operation and clean air guaranteed;
- Integration of the compressor, refrigerated air dryer and the air receiver tank, installation port of the precision filters reserved, easy to install and use.



Data Sheet of WS-TK Series Oil-free Scroll Air Compressors

Model	Motor Power kw	F A D m3/min	Rated Pressure Range Mpa	Dimensions (L*W* H)mm	Net 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

Air Blower

BL Series

Applications

Industries for sewage treatment, air-water backwashing, oxidative desulfurization, pneumatic conveying, printing industry and leather industry, etc.

- 100% oil-free air provided;
- Skid mounted, easy to install;
- Horizontally split gear box, easy to maintain;
- Multi-flap tilting tile bearings aligned automatically;
- No need of specific base or to pre-embed the anchor bolts;
- Stable operation, high efficiency, energy-saving, cost effective and environmental friendly;
- Highly effective heat-exchange guaranteed by interstage cooler with copper tubes and aluminum fins;
- Intelligent “B&D Cloud” for monitoring the operation remotely, making the after-sale service more efficiently.



Data Sheet of BL Series Air Blower

Model	Motor Power	F A D _{m³/min}	Rated Pressure _{bar}	Dimensions L*W*H	Air Outlet Pipe Diameter _{mm}
BL-37	37	38.4	0.5	2400*1600*2400	DN200
		33.5	0.6		
		30	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		DN300
		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		
		56.7	0.9		DN300
		49	1.0		
		47.3	1.1		
		41.2	1.2		

Centrifugal Compressor

- 100% oil-free discharged air;
- Skid mounted, easy to install;
- Horizontally split gear box, easy to maintain;
- Multi-flap tilting tile bearings aligned automatically;
- No need of specific base or to pre-embed the anchor bolts;
- Stable operation, high efficiency, energy-saving, cost effective and environmental friendly;
- Highly effective heat-exchange guaranteed by interstage cooler with copper tubes and aluminum fins;
- Intelligent “B&D Cloud” for monitoring the operation remotely, making the after-sale service more efficiently.



Data Sheet of BC Series Two-stage Centrifugal Compressors

Model	FAD m ³ /min	Disacharge Pressure barg	Motor Power kW	Net Weight kg	Dimensions mm(L*W*H)
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

Data Sheet of BC Series Three-stage Centrifugal Compressors

Model	FAD m ³ /min	Disacharge Pressure barg	Motor Power kW	Net Weight kg	Dimensions mm(L*W*H)
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

VSD Screw Air Compressor

DHF Series

- Less maintaining and operating cost;
- Industrial house-keeper with remote control system;
- Excellent technology of intelligent variable frequency.
- With cost effective system design and lots of patent technologies;



Data Sheet of DHF Series VSD Screw Air Compressor

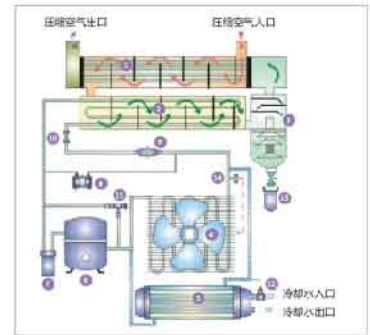
Model	Mpa	DHF-10PM	DHF-15PM	DHF-20PM	DHF-30PM	DHF-50PM
FAD M ³ /min	0.7/0.6-0.8	0.54-1.35	0.72-1.8	1.04-2.6	1.52-3.8	2.72-6.8
Ambient Temperature	°C	-5~+40°C				
Cooling Mode		Air-cooling				
Discharge Temperature	°C	≤10°C Environment Temp+10°C<40°C				
Lubricant	Liter	4	9	16	22	
Noise	dB(A)	62±2			65±2	
Driven mode		Permanent Magnet Synchronous				
Electricity (V/ph/Hz)		380V/415V/440V/460V/480V/3ph/50Hz/60Hz				
Power	KW	7.5	11	15	22	37
Dimension	Length	mm	800	940	1120	1250
	Width	mm	550	630	765	900
	Height	mm	740	840	940	1080
Weight	kg	145	213	235	312	610
Air Outlet Pipe Diameter	inch	ZG½"	ZG1"		ZG1¼"	ZG1½"
IOT System		×	√	√	√	√

Refrigerated Air Dryer

(The air volume needs to be matched according to the power of the equipped air compressor)

Flow chart:

- 1.Heat Exchanger (Hot Air Air)
- 2.Evaporator (Hot Air/Refrigerant)
- 3.Air/Water Separator 4.Cooling Fan
- 5.Cooling Water 6.Refrigerant Compressor
- 7.Air/Liquid Separator 8.Pressure Switch 9.Air Dryer Filter
- 10.Expansion Valve 11.Hot Air Bypass Valve 12.Water Valve
- 13.Automatic Drainer 14.High Pressure Switch

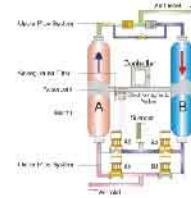


Data Sheet of B&D Refrigerated Air Dryer

Model	Air flow m ³ /min	Refrigerant	Electricity	Power	Dimension			W(KG)	Inlet/Outlet
					L(mm)	W(mm)	H(mm)		
BD-10	1.8	R22	220V/50HZ	0.25HP	400	800	640	55	DN20
BD-20	2.8	R22	220V/50HZ	0.5HP	400	800	780	65	DN25
BD-30	3.8	R22	220V/50HZ	0.75HP	400	800	780	68	DN25
BD-40	5.5	R22	220V/50HZ	1.25HP	500	960	880	90	DN40
BD-60	6.8	R22	220V/50HZ	1.5HP	500	960	880	95	DN40
BD-80	8.8	R22	220V/50HZ	2HP	700	1000	1000	130	DN50
BD-100	11.5	R22	220V/50HZ	2HP	700	1000	1000	135	DN50
BD-120	14	R22	220V/50HZ	2.5HP	700	1000	1000	160	DN65
BD-150	16	R22	380V/50HZ	3HP	700	1000	1000	165	DN65
BD-200	22.8	R22	380V/50HZ	5HP	700	1400	1160	250	DN80
BD-250	28.5	R22	380V/50HZ	6HP	700	1400	1160	300	DN80
BD-300	35	R22	380V/50HZ	7.5HP	1800	1000	1360	400	DN80
BD-400	45	R22	380V/50HZ	8HP	2000	1000	1360	500	DN100
BD-500	55	R22	380V/50HZ	10HP	2200	1100	1480	600	DN100

Desiccant Air Dryer

- PLC control.
- Air flows through the large diffuser evenly.
- With optional energy control and dew point test.
- 30% allowance adsorbent as supplement to ensure drying capability.
- The interior surface of the barrel is cold galvanized and rust-proof up to 10 years.
- With 4-valve or 3-valve inlet valve and regenerative valve serving for up to 500,000 actions.
- Regenerative air in outlet is sub-saturated and no condense in the silencer or the discharge piping.
- Low resistance design,the compressed air touches the adsorbent for more than 5 seconds, low dew point ensured.
- The service life of the desiccant is more than 5 years under normal operation,and the adsorption hour is up to 48,000.



Data Sheet of B&D Desiccant Air Dryer

Model		Airflow	Dia	Dimension			Heated Power
				Length	Width	Height	
Heatless	Heated	m ³ /min	mm	mm	mm	KW	
BH-10	BE-10	1.8	DN20	650	400	1720	0.5/220V
BH-20	BE-20	2.8	DN20	700	450	1750	0.5/220V
BH-30	BE-30	3.8	DN25	800	450	1800	0.75/220V
BH-40	BE-40	5.5	DN40	1000	650	1800	1.25/220V
BH-60	BE-60	6.8	DN40	1000	650	1800	1.5/220V
BH-80	BE-80	8.8	DN50	1060	760	2000	2.0/220V
BH-100	BE-100	11.5	DN50	1160	760	1900	2.5/220V
BH-120	BE-120	14	DN65	1160	750	2050	3.0/220V
BH-150	BE-150	16	DN65	1260	800	2000	3.75/380V
BH-200	BE-200	22.8	DN80	1500	1000	2050	5.0/380V
BH-250	BE-250	28.5	DN80	1600	1000	2180	6.25/380V
BH-300	BE-300	35	DN80	1700	1100	2200	7.5/380V
BH-400	BE-400	45	DN100	1800	1100	2400	10/380V
BH-500	BE-500	55	DN100	2100	1100	2500	12.5/380V
BH-600	BE-600	65	DN125	2400	1200	2650	15/380V
BH-800	BE-800	85	DN150	2600	1300	2900	20/380V

Air Receiver

(The design pressure needs to be matched with the equipped air compressor Pressure)

- Suitable for stable operation in various environments
- Safe & reliable
- Well-set
- Easy to install



Data Sheet of B&D Air Receiver

Model	Max Pressure (Mpa)	inlet/outlet dia	diameter (mm)	Height (mm)	Thickness (mm)	Weight (KG)
0.3/0.8	0.84	DN25	550	1548	3.5	91
0.3/1.0	1.05	DN25	550	1 554	4	100
0.3/1.3	1.37	DN25	550	1 555	5	120
0.6/0.8	0.84	DN40	650	2093	4.25	160
0.6/1.0	1.05	DN40	650	2095	5	185
0.6/1.3	1.37	DN40	650	2097	6.25	225
0.6/3.0	3.15	DN40	650	2116	8	295
0.6/4.0	4.2	DN40	650	2120	10	360
1.0/0.8	0.84	DN40	800	2180	4.75	225
1.0/1.0	1.05	Dn40	800	2182	5.5	255
1.0/1.3	1.43	DN40	800	2180	5	240
1.0/1.6	1.76	DN40	800	2180	6	280
1.0/3.0	3.3	DN40	800	2370	10	490
1.0/4.0	4.2	DN40	800	2375	12	585
1.5/0.8	0.84	DN50	1000	2310	5.75	350
1.5/1.0	1.1	DN50	1000	2310	5	310
1.5/1.3	1.43	DN50	1 000	2310	6	365
2.0/0.8	0.84	DN50	1 000	2810	5.75	425
2.0/1.0	1.1	DN50	1000	2820	5	370
2.0/1.3	1.43	DN50	1000	2820	6	440

Line Filters

(The volume needs to be matched according to the Air Delivery of the equipped air compressor)

- Manufactured in accordance with ISO9001 standards
- Modular design, the filter element and the shell are relatively independent
- The shell is specially treated with high-strength fluorocarbon and has a long service life
- The pore volume and pass ratio of the filter element are large, the pressure difference of the filter element is low, and the filter element has high durability.



Data Sheet of B&D Line Filter

Model	Air flow (m3/min)	Max pressure (Mpa)	Dia (inch)
BD-015	1.5	1.5	1
BD-024	2.4	1.5	1.5
BD-035	3.5	1.5	1.5
BD-060	6	1.5	1.5
BD-090	9	1.5	2
BD-120	12	1.5	3
BD-150	15	1.5	3
BD-240	16-25	1.5	3
BD-360	36	1.5	4
BD-450	45	1.5	4
BD-600	60	1.5	4

Installation of a Whole Set

B&D Air Compressor + Air Receiver+ Line Filter(Q) + Air Dryer + Line Filter(P) + Line Filter(S)





B&D always strives to be the best





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