

BOD® 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



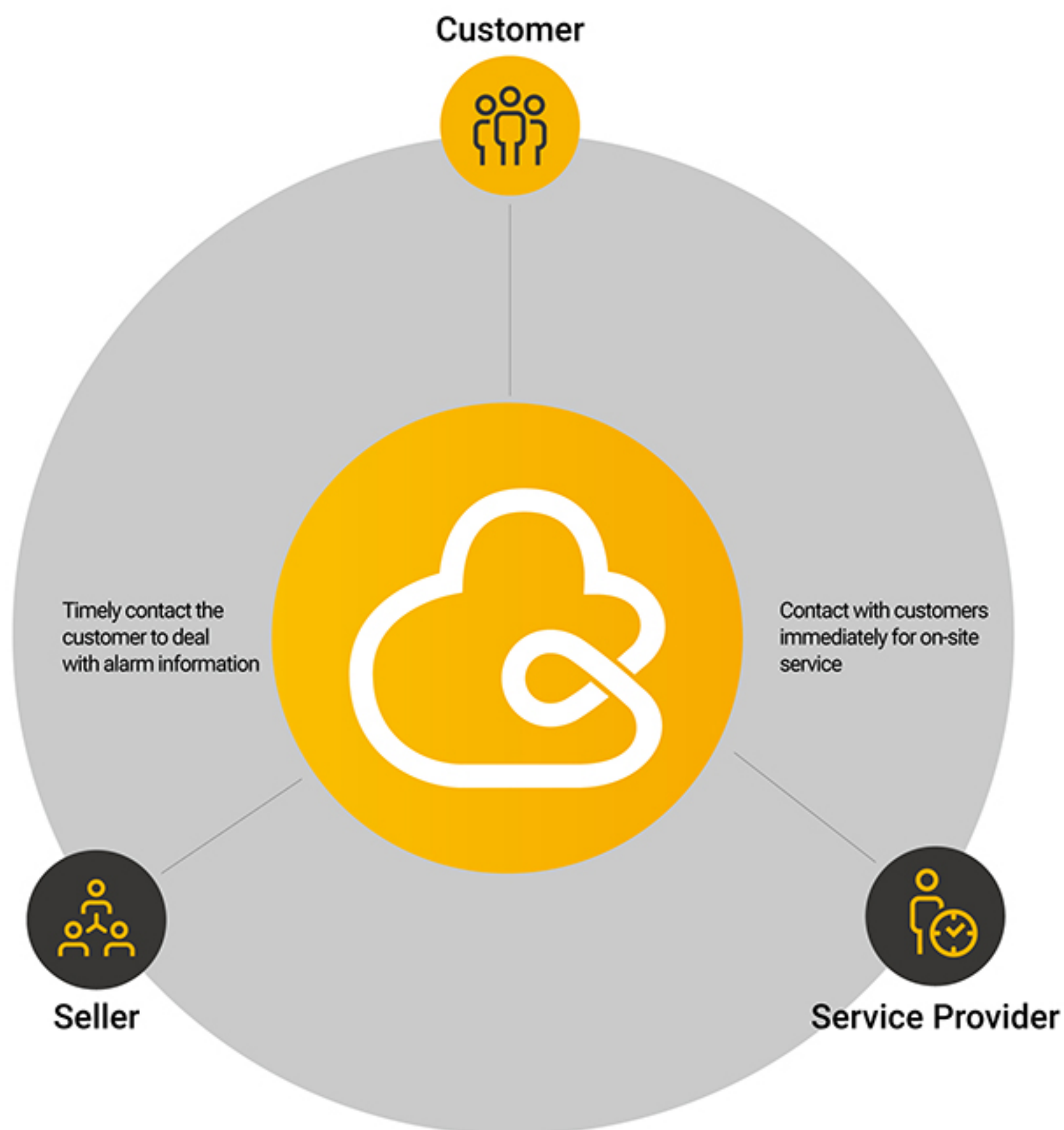
B&D Technology

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 data 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.
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- 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 oil-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 centrifugal 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 flow 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	℃	-5~+40℃							
Cooling mode	Air or Water-cooling								
Air discharge temperature	℃	≤Ambient temperature+10℃ < 40℃							
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℃ < 40℃								
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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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 (m³/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 (m³/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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
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	6KV/10KV	10000	
BD-STPM400	400	82			10500	
BD-STPM450	450	93.1			11000	
BD-ST355A	355	72.2			10000	
BD-ST400A	400	82			11000	
BD-ST450A	450	93.1			11500	

Air Compressor for Laser Cutting Machines

Air discharge temperature: $\approx$ 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°C.
- 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	°C	-5~40
Air discharge pressure	MPa	1.25-1.55
Cooling mode		Air cooling
Dew point temperature	°C	-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 °C		-5~+40°C									
Cooling mode		Air-Cooling				Air or Water-Cooling					
Air discharge temperature °C		≤Environment Temp+10°C (Air-Cooling) < 40°C (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	°C	-5 ~ +40°C							
Cooling mode		Air or Water-Cooling							
Air discharge temperature	°C	+10°C/≤Environment Temp+10°C (Air-Cooling) < 40°C (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	m ³ /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 m ³ /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.



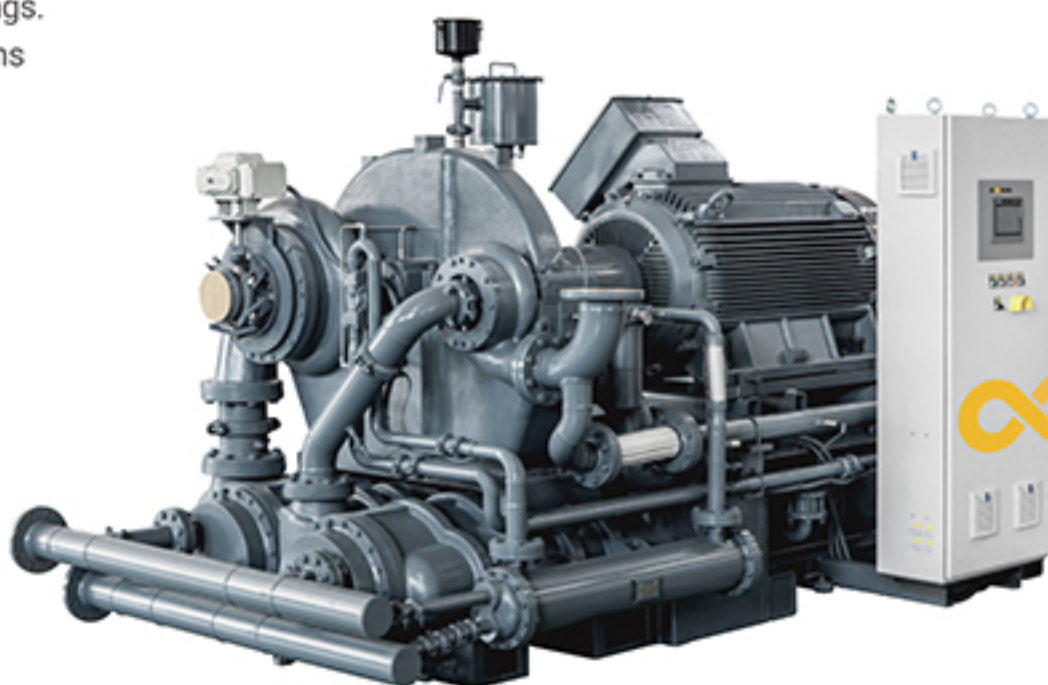
Technical Parameter of Screw Blower Series

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		
		56.7	0.9		DN300
		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

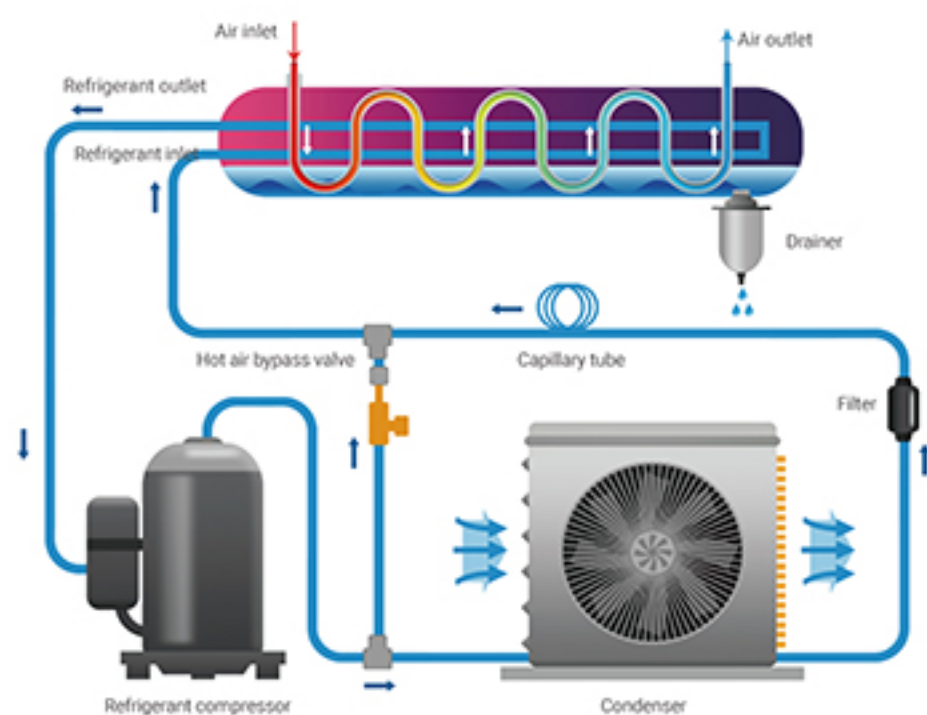


Easy To Operate

- (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)

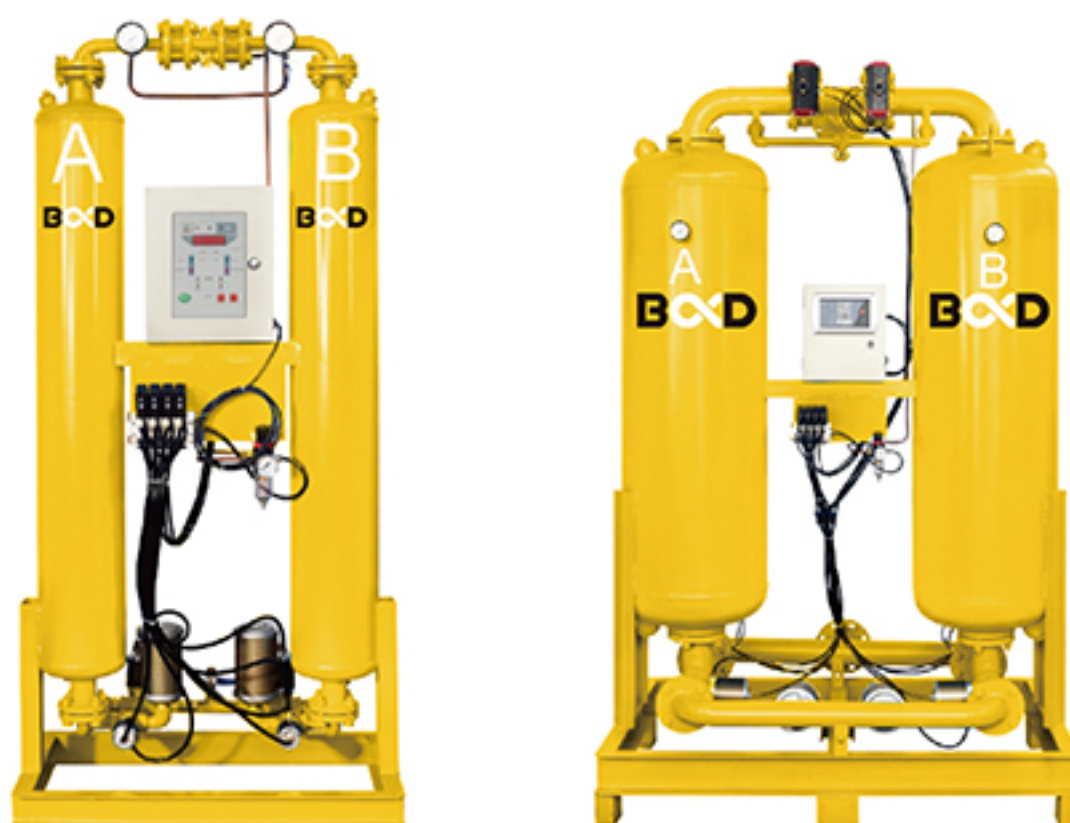
Model No.	Air Capacity m³/min	Pressure V/50Hz	Refrigerant	Refrigerant Compressor Motor	Power Supply	Inlet/outlet pipe diameter	Dimension(L*W*H) mm	Weight Kg
DHF-10	1.8	1.05	R134A	0.91	220V/50HZ	G¾	385×550×530	
DHF-20	2.8	1.05	R22	1.2	220V/50HZ	G1	405×600×580	
DHF-30	3.8	1.05	R22	1.2	220V/50HZ	G1	430×704×630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

The limit of use conditions:

(1) Inlet temperature <78℃ (2) Ambient temperature <38℃ (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

Control Mode: PLC electronic control

Power Supply: 220V/50Hz/40W(Heatless)

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

Model No. MODEL	Air Capacity m ³ /min	Model No. V/50Hz	Pipe Diameter mm	Dimension (L*W*H) mm	Weight 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.



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 Pressure		Safety Air Flow		Inner Diameter		Weight	Diameter of Air Inlet		Diameter of Safety Valve Connector		Diameter of Sewage Outlet	
	Design Temperature	Working Temperature	Total Height					Diameter of Air Outlet		Set-pressure of Safety Valve		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	RP1½	0.84	R1/2	RP1/2
2.0/0.8F	110	0.84	0-100	21	2780	1000	350	DN80	DN80	RP1½	0.84	R1/2	RP1/2
2.0/1.0B	110	1.05	0-100	25	2780	1000	365	RP2	RP2	RP1½	1.05	R1/2	RP1/2
2.0/1.0F	110	0.84	0-100	21	2780	1000	350	DN80	DN80	RP1½	0.84	R1/2	RP1/2
2.0/1.3B	110	1.37	0-100	33	2782	1000	450	RP2	RP2	RP1½	1.37	R1/2	RP1/2
2.0/1.3F	110	1.37	0-100	33	2782	1000	470	DN80	DN80	RP1½	1.37	R1/2	RP1/2
2.0/1.6B	110	1.68	0-100	40	2786	1000	588	RP2	RP2	RP1½	1.68	R1/2	RP1/2
2.0/1.6F	110	1.37	0-100	33	2782	1000	470	DN80	DN80	RP1½	1.37	R1/2	RP1/2
2.5/0.8F	110	0.84	0-100	21	3300	1000	400	DN80	DN80	RP1½	0.84	R1/2	RP1/2
2.5/1.0F	110	1.05	0-100	25	3300	1000	435	DN80	DN80	RP1½	1.05	R1/2	RP1/2
2.5/1.3F	110	1.05	0-100	25	3300	1000	435	DN80	DN80	RP1½	1.05	R1/2	RP1/2
2.5/1.6F	110	1.68	0-100	40	3306	1000	712	DN80	DN80	RP1½	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 m ³ /min	Air Flow		Max.Working Pressure bar	Weight kg	Size			Model Number of Filter	Mode of sewage discharge
		m ³ /min	CFM			A	B	C		
BD-015	G $\frac{3}{4}$ "	1.5	53.0	16	1.1	267	243	89	1X015	External or Built-in
BD-024	G1 $\frac{1}{2}$ "	2.4	84.7	16	2.2	513.5	480	109	1X024	External or Built-in
BD-035	G1 $\frac{1}{2}$ "	3.5	123.6	16	2.2	513.5	480	109	1X035	External or Built-in
BD-060	G1 $\frac{1}{2}$ "	6.0	211.9	16	2.7	513.5	480	109	1X060	External or Built-in
BD-090	G2 $\frac{1}{2}$ "	9.0	317.8	10	8	550	409	150	1X090	External or Built-in
BD-120	G2 $\frac{1}{2}$ "	12.0	423.7	10	16	928	887	150	1X120	External or Built-in
BD-150	G2 $\frac{1}{2}$ "	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 m ³ /min	Air Flow m ³ /min	Model Number of Filter	Dimension
DHF-015	$\frac{3}{4}$ "	1.5	015	85X85X245
DHF-024	1 $\frac{1}{2}$ "	2.4	024	110X110X315
DHF-035	1 $\frac{1}{2}$ "	3.5	035	110X110X315
DHF-060	1 $\frac{1}{2}$ "	6	060	110X110X450
DHF-090	2 $\frac{1}{2}$ " (2')	9	090	140X133X510
DHF-120	2 $\frac{1}{2}$ " (2')	12	120	140X133X870
DHF-150	2 $\frac{1}{2}$ " (2')	15	150	140X133X870
DHF-240	customized	24	-44	350X133X980
DHF-360	customized	36	-44	420X230X940

Domestic and foreign customer network



Certification





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2024版本(2024 Version)

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