



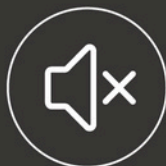
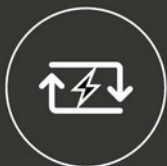
Compressor Technologies | Africa

DHF Series



Ultra quiet More energy saving

Intelligent PM VSD
air compressor leading brand



PM VSD Screw Air Compressor-DHF Series

DHF Series

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



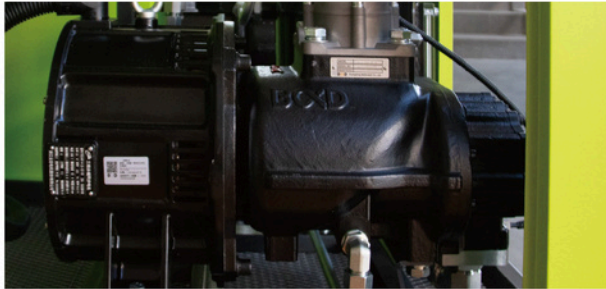
Technical Parameters of DHF Series Permanent Magnet Variable Frequency Screw Air Compressor

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	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

Compressor Technologies Africa

Permanent Magnet Coaxial Motors

The motor utilises permanent magnet synchronous technology, higher efficiency, twin-screw air end, designed for continuous operation in dusty and humid outdoor environments, energy saving up to 35% compared to ordinary fixed speed air compressors.



Smart Touch Interface

Colored display, intelligent information, more friendly man-machine communication, full detection and protection, integrated communication, support for software upgrades



Remote IOT System

Check the operating status of your equipment on your mobile device or computer anytime, anywhere, and solve air problems in a timely manner.



Intelligent Frequency Control System

Adopting B&D customized well-known inverter, reliable performance, long life, adapt to all kinds of working conditions.

Simpler Maintenance

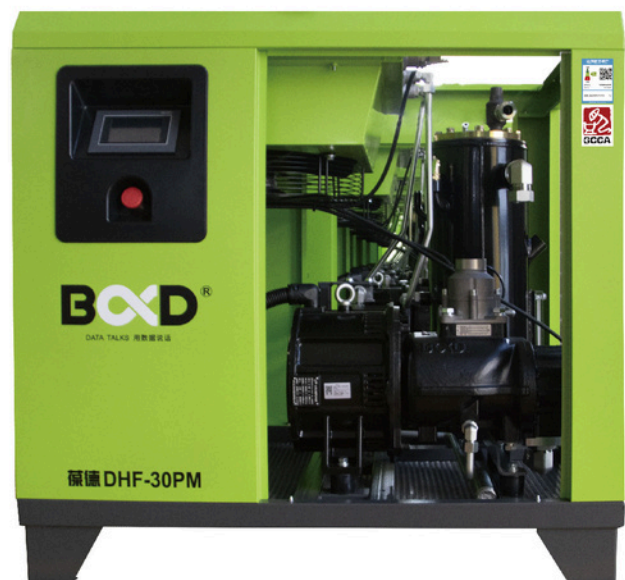
Air filter, oil filter, less comprehensive maintenance accessories, simple maintenance and low cost.

Main frame

The surface employs a matte finish, with good texture, strong resistance to oil and dirt, and a beautiful appearance. Adopting chassis steel plate, higher strength and more reliable structure.

Cooling Fan

High-efficiency axial cooling fan, low-speed fan, longer life. The cooler and the fan can be disassembled independently, 20% of the cooling surplus. Optimized for 50° C ambient temperature.



Complete System Process

PM VSD air compressor + air receiver + Class Q filter + Refrigerated air dryer + Class P Filter + Class S Filter



DHF Air Receiver

Air receivers store compressed air, offering an improved and more stable discharge pressure and flow to the point of use, additionally reducing the compressed air temperature aiding in the removal of condensate, dust and impurities.



Suitable for All Conditions

Operation at temperatures below 110°C



Safety Selection

Easily matched to maximum design working pressure



High Reliability

Precise design with good reliability



Firm Structure

High-quality paint protection for increased safety



Easy Installation

Equipped with flexible holes for easy installation



Energy saving

Effective cushioning of compressed air



Technical parameters of air receivers

Volume / Working Pressure	Design Temperature	Design Pressure	Working temperature	Safety Air Flow	Tank's Total Height	Tank's Inner Diameter	Weights	Diameter of Air Inlet	Diameter of Air Outlet	Diameter of Safety Valve Connector	Safety Valve Setting Pressure	Diameter of drainage outlet	Pressure Gauge Connection
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

B&D DHF Series Refrigerated Air Dryer

- Each compressor is individually coded, which is quality assured, quieter and more stable with high efficiency refrigeration system and is well configured.
- 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 have been accurately calculated by experts, and the design parameters are all retained with a margin of more than 20%.
- DHF air dryer is your cost-effective, ultra-low-maintenance, practical cold dryer choice.



Environmentally
friendly refrigerants



ISO9001
quality system



First-class brand
refrigeration compressor



Technical parameter of DHF Series Refrigerated Air Dryer

Technical parameters of refrigerated air dryer (air cooled)

Model	Voltage	Refrigerant	Air Capacity m ³ /min	Air Inlet Temperature °C	Pressure MPa	Pipe Diameter	Dimension (L*W*H)mm
DHF-10	220V/50HZ	R134A	1.8	≤80°C	1.05	G¾	385×550×530
DHF-20	220V/50HZ		2.8	≤80°C	1.05	G1	405×600×580
DHF-30	220V/50HZ		3.8	≤80°C	1.05	G1	430×704×630
DHF-60	220V/50HZ		6.8	≤80°C	1.05	G1½	485×825×680

Note: Standard Operating conditions

(A) inlet temperature ≤78°C (B) ambient temperature ≤38°C (C) air pressure 10kg/cm² (higher pressure accept special customization)

DHF Precision Filter

- Pressure proof housing 1.0mpa
- Low replacement cost and high efficiency
- Easy to install
- Fashionable appearance and atmosphere



Technical parameters of DHF precision filter

Model MODEL	Connector size m ³ /min	Air flow m ³ /min	Filter Model	Dimension
DHF-015	3/4"	1.5	015	85X85X245
DHF-024	1 1/2"	2.4	024	110X110X315
DHF-035	1 1/2"	3.5	035	110X110X315
DHF-060	1 1/2"	6	060	110X110X450
DHF-090	2 1/2" (2")	9	090	140X133X510
DHF-120	2 1/2" (2")	12	120	140X133X870
DHF-150	2 1/2" (2")	15	150	140X133X870
DHF-240	Customizable	24	240	350X133X980
DHF-360	Customizable	36	360	420X230X940

Domestic and foreign customer network



Certification



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