



스크류 공기 압축기
Screw Air Compressor



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World Class Quality BUMATEC Screw Air Compressor

The state-of-the-art production technology is a powerful guarantee for product quality.

Nowadays technology is changing rapidly, quickly to master the state-of-the-art production technology is equivalent to quickly occupy the market.

기술개발, 가치창조, 그리고 인재만이 세상을 바꿀 수 있다는 “인재중심” 경영 이념 아래 끊임없는 도전 정신과 창의력을 바탕으로 한 고객 피트너십을 핵심 가치로 생각하는 기업. 부마는 최고의 인재와 함께 공기압축기 개발 및 제작으로 한국을 넘어 세계 최고의 기업으로 도약합니다.



- **2011.08~2012.01**
경상남도 일자리 창출 우수기업 선정
오백만불 수출의탑 수상 및 수출유공 국무총리 표창 수상
2012년도 중소기업청 글로벌강소기업 육성 대상기업 선정
- **2010.09~2011.06**
2010중소기업기술혁신대전 기술혁신상 지식경제부장관상 수상
수출유망중소기업 지정(제10경남-92호,경남기업중소기업청)
지식경제부 우리지역 일하기 좋은 기업 성장잠재형 기업 선정
- **2009.05~2010.08**
ISO 9001/14001 재인증
벤처기업 재등록 (기술보증기금)
INNO-BIZ 기업 지정 (제R1110-0250호,중소기업청)
- **2007.11~2009.03**
삼백만불 수출의 탑 수상 (제67009호)
기업부설연구소 설립 (제20084055호 한국산업기술진흥협회)
특허스타기업 선정 (특허청 경남지식재산센터)
- **2002.01~2007.09**
병역지정업체 선정 (병무청)
중국에 부마기계(강소)유한공사 설립
산업자원부장관 표창 수상 (제65720호)
- **1992.12~2000.11**
법인 설립 :부마 산업
수출 유공탑 수상 (경상남도지사)
백만불 수출의 탑 및 수출유공국무총리 표창 수상

About BUMATEC

BUMATEC Co., LTD ,wholly owned subsidiary by South Korean BUMA group, set up the factory in 2003, specializing in research, production, sales of stationary and frequency type, permanent magnet frequency type, low voltage type and mobile screw air compressor and air disposal equipment .

After 20years wind and rain mileage, BUMATEC has acquired professional manufacturing experience and first-class comprehensive strength of science and technology talents team, as the energy saving air compressor system leader all over the world.

BUMATEC has deep industry background, always one step ahead ambition, and the enthusiasm in the screw air compressor industry .With constant innovation, it confronts the challenges ahead and keeps improving rigorous attitude, to provide energy saving, reliable, low noise products.

The perfect union of South Korea excellent machinery industry and IT technology , significantly to improve the energy efficiency of the air compressor system, and greatly reduce the production cost of operation.

BUMATEC employees have the ability to meet the expectations of our customers and build long-term relations of cooperation. We will continue to surpass ourselves, thus continuously create values for customers, and provide better quality of technology, products and services.

Our company upholds the design concept of high efficiency and energy saving, to achieve world class quality and the best service that let the customer moved .

Choice of BUMATEC, is to choose the quality and service, culture and taste, and a permanent trustworthy partner.

부마는 1992년 설립하여 20년 이상 축적되어진 최고 수준의 기술력과 노하우를

바탕으로 전세계 시장에 스크류 공기 압축기를 공급하고 있습니다.

인재 중심과 창의와 도전 정신을 바탕으로 연구 개발에 매진하여 국내 최초로 차세대 고효율 소비 동력 절감 영구자석 모터형 인버터 압축기를 개발하여 세계 시장에서 품질을 인정 받았습니다. 부마는 우수한 연구 인력을 바탕으로 고객의 조건을 모두 만족하는 최상의 공기 압축기를 개발하여 선진 메이커와 경쟁할 수 있는 회사가 되기 위해 최선을 다하고 있습니다.

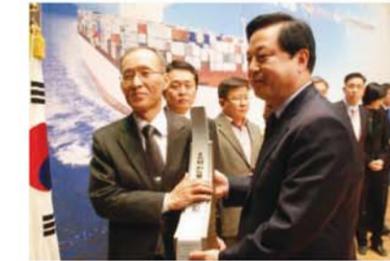
부마는 “무” 에서 “유” 를 창조하는 도전 정신을 바탕으로 걸어온 20년, 그정신을 전세계의 고객과 함께하는 100년의 역사로 이어 나갈 것입니다.



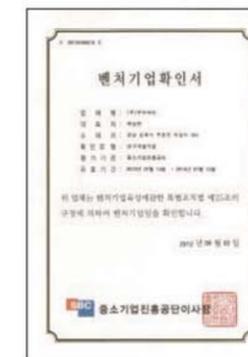
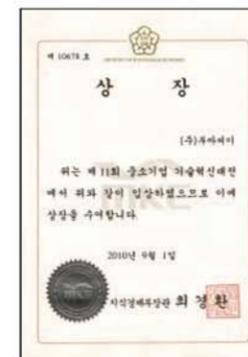
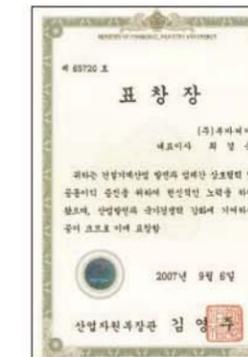
Chinese factory



South Korean factory



우리는 백년 기업을 꿈꾼다



Design Philosophy

The design of the product meets the global different market various demands, to adapt to different working conditions.

During design progress, stick to the principle of the highest efficiency, adopt the best point design according to the rotor efficiency , to achieve the perfect matching with motor, to realize the operation cost to be low.

Design to use the big rotor and low speed air end; Prolong service life, less leakage area so as to provide efficiency, reduce oil resistance, improve the cooling effect of lubricating oil.

Reasonable layout, humanization design, installation and maintenance saves time and effort.



BUMATEC Screw Air Compressor, world class quality

지구촌의 어떠한 환경에서도 부마 압축기는 멈춤 없이 돌아 간다는 그로써 부마의 꿈을 실현하기 위해 세계의 어느 구석의 환경에서도 적용되도록 특수 설계된 부마 압축기는 세계 각국에서 한국 공기 압축기의 지명도를 높이는 데 선구자 역할을 하고 있습니다.

부마는 영구자석 모터형 스크류 압축기, 고효율 2단 스크류 압축기, 무 베어링 모터형 스크류 압축기 등 탁월한 소비 동력형 스크류 공기 압축기를 국내 최초로 개발에 성공했습니다.

이것은 창의와 도전 정신을 바탕으로 한 세계 선진 업체와 어깨를 나란히 하여 세계 시장을 선도 하겠다는 의지의 결과입니다.

The Biggest Energy Savings Come From The Highest Efficiency

Through careful thinking and safety to achieve peaceful mind of customer.

High Reliability

BUMATEC Perfect Quality Test System Six Steps

- **3D Simulation Design**
BUMATEC product design is completed under actual use conditions
- **Parts Accelerated Life Test**
All of BUMATEC spare parts are through the accelerated life test.
- **Performance Test**
Complete test according to ISO and GB standards.
- **Simulation Test**
Test the durability of machine under the simulated condition of more severe than actual.
- **Field Test**
After successful completion for all the program testing, in our different customer's different environment complete the field test.
- **Factory Test**
For each one of the air compressor factory according to international standard requirements in different operation conditions of the performance test, to ensure that each machine factory of safe and reliable.

Quiet Operation

The uniquely designed double casing for the air end minimizes the air compressing noise.
The silencer and Sirocco Fan were manufactured after being designed from the simulation of cooling air flow, which allowed successful reduction of noise from air friction.
A high density sound-absorber is used to minimize the sound level.
The quick venting by uniquely designed Quick Venting Valve eliminates the unloading noise.



Energy Saving

BUMATEC's newly R&D large screw rotor air end, through the precision grinding machine processing, realized the best clearance of the high precision rotor, to meet the world's highest level of air flow rate.
Motor and rotor speed always keep pace with 1:1.
Big rotor, low speed, best point design according to the rotor efficiency .
Direct coupling drive, no gear consumption loss.
Efficient centrifugal fan.
Energy saving intake valve system.

Humanization Layout

Humanized installation structure and maintenance convenience greatly save maintenance time, through the mobile hinged casing door, rotary separator tank cover, minimize the screw nut, separator tank with o-ring and minimize the replacement of parts, and the convenience to unpick and wash the cooler, which not only ensure the customer safe usage and also convenient maintenance, and furthermore ,convenience of machine clean.

BUMA Screw Air Compressor



BUMATEC Is Your Trustworthy Brand.



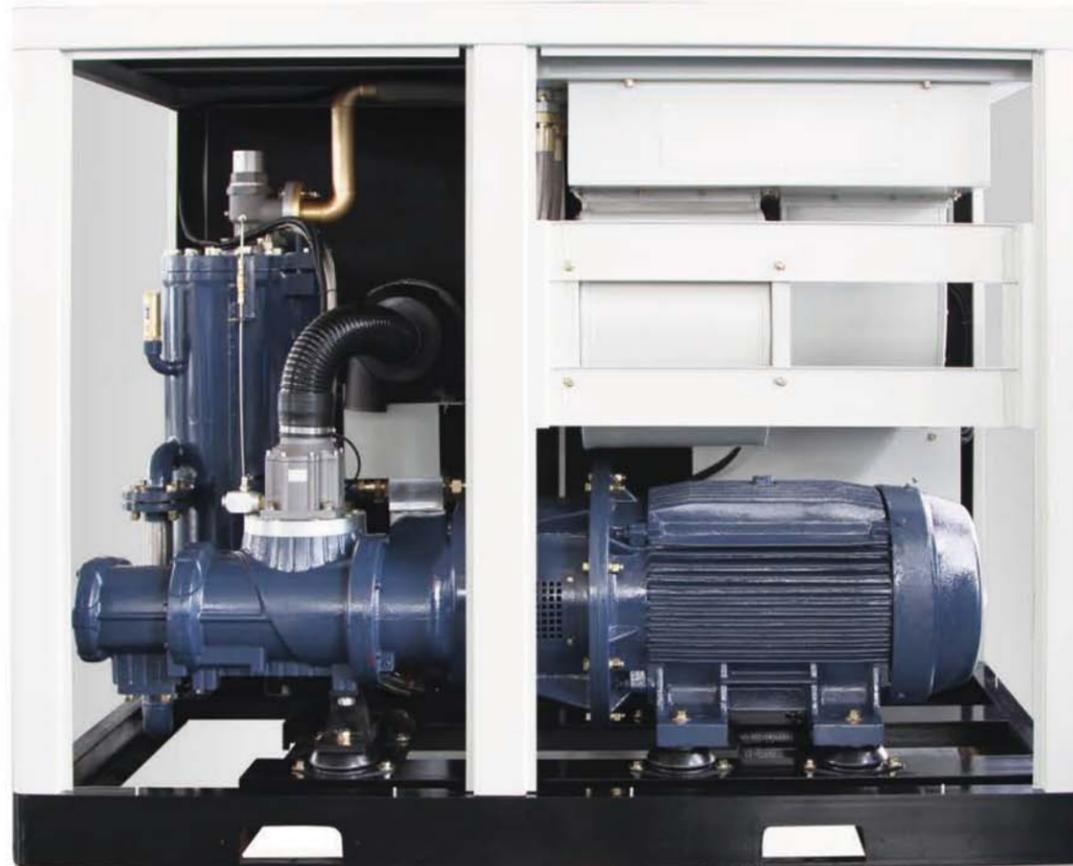
Efficient Motor

BUMATEC air compressor motor, as per the high level requirements, to entrust the specialized motor vendor to manufacture, especially for the frequency conversion motor to do local special treatment, most strong power output, low operating temperature and energy conversion loss, and have plenty of temperature allowance and the highest running smoothness. To ensure that the air compressor long time failure-free operation, and reduce the motor break-down and burn-in risk.



High Efficiency And Energy Saving Air-End

BUMATEC top technology, exclusive latest design new screw rotor. Improve the seal line of the rotors, the volumetric efficiency maximization, through the continuous optimization of rotor phase line and internal structure, precision manufacturing. Rotor using special steel material, maximize rotor strength, to provide the world's highest level of displacement and durability, the unique bearing arrangement form, the exhaust end use the implementation roller bearing, the radial axial thrust load has a bigger security coefficient, effectively control of rotor jump, greatly prolong the service life of air end. The advanced lip type shaft seal design and shaft sealing lip with the sleeve is to use bearing super fine grinding process, help prevent internal and external leakage. Non-artificial damage, can use permanently .



Cooling System

Imitate the air flow design of the cooling system to ensure that the machine internal temperature, and discharge temperature remained stable.

We research and design the high temperature laboratory , test the new product in the simulation more severe than the actual conditions ,to ensure the normal use of the machine. Adaptable cooling fan and motor can make the machine still stable operation at ambient temperature 50°C .

Above 110 kw, we design the cooler to be combination of air cooler and oil cooler, decrease the unit weight, easy maintenance and cut maintenance cost.

High quality materials and strict technology, using aluminum plate fin cooler ensure cooler pressure resistance and cooling effect.



Centrifugal Fan Motor

6P motor, low noise, high energy saving and air flow, cooling effect very good, not easy to make cooler blockage etc.

Energy Saving Intake Valve System

Pursuit of high efficiency, give full play to the volume control maximum advantage.

Electromagnetic valve, exhaust valve and valve body integration type, unloading, inlet, exhausting functions are integrated together, with volume adjustable, and has the special design of the rapid ventilation valve eliminates the discharge noise.



BUMA Screw Air Compressor



Pursuit Of Every Detail To Be Perfect



Air Filter

Air compressor suction plenty of ambient air, the air filter can prevent the dust of the air into the machine, and play a key role for the smooth operation of the lubricating oil, air end, cooler, oil air separator, electromagnetic valve .But many dust are invisible, to adopt the inferior and cheap filter material can't prevent small particles of dust into the machine system, accumulate over a long period, incur the oil cracking, and severe losses.BUMATEC adopt the high quality air filtration material, the dust screen and suction precision filter two stage process, ensure the cleanliness of the air intake.



Energy Saving 1:1 Soft Direct Coupling Transmission

To use the elastic coupling and center bracket to combine motor and air end as one body, motor and rotor speed keep synchronous, without transmission loss.Soft connection between air end and motor, connection is reliable, and ensures permanent centering of motor shaft and air end shaft during transportation, installation and operation ,reduce the starting torque, realized the lowest energy consumption and prolonged life.



Convenient Maintenance Of Belt Transmission

Low power air compressor adopts the belt drive, it not only can make the machine to adjust pressure easily, but also still can have the effect of overload protection. The motor and shaft seal replacement is simple, to reduce maintenance workload.



Three Stage Oil And Gas Separation System

The first stage

Inside separator tank, the whirlwind of inertia separation

The second stage

the air at the bottom of Oil and gas separator ,separated by hitting the wall

The third stage

Compressed air through the ultra-precision precise separation of oil and gas separator, send the clean air from the separator tank, the oil content is less than 2 PPM.

The Lubricating Oil

Compared with ordinary compressor oil, super cooling oil has a very prominent performance advantages.

Excellent properties of the oil content of compressed air to minimum, outstanding heat conduction performance to make the temperature of the air compressor to minimize, to improve the efficiency and reliability of the compressor; Super cooling oil do not contain carbon and hydrogen elements, can eliminate oxidative decomposition of residues. Also can very effectively to extend the air compressor maintenance intervals.

PLC Intelligent Control System

Linkage control: Can be set one air compressor up to host, the rest for auxiliary, achieve more air compressor control, to ensure economic and stable gas supply.

Remote control: Through the connection of computer or the central control unit (DCS) and bumatec smart control on the communication interface, realize all-round remote control of air compressor unit.

Extend the functionality: Optional touch screen controller, dynamic display of air compressor running state, the operation more simple. And optional message module, when air compressor fault or warning, to send text messages to the specified phone, that is, to increase the reliability of the condition of monitoring and reduce the pressure of watch man.

전모텔에 기본 사양으로 적용된 인공지능 마이컴 컨트롤러는 강력한 기능과 압력 및 온도센서에 의한 실시간 장비를 제어 하여 압축기를 최적의 조건으로 운전합니다.

인공 지능 마이컴 컨트롤러 시스템은 유, 무선을 사용하여 압축기를 자유로이 원격 운전이 가능 합니다.

전세계 어느서나 인터넷에 접속하여 전세계 공장에 산재한 고객의 압축기 운전 상황 점검과 웹 상에서 원격 조정이 가능합니다.



1 FULL AUTO

2 COMPREHENSIVE SAFETY PRODUCTION

3 ABNORMAL PROMPTED ALARM

4 DISPLAY ALL IMPORTANT OPERATION



Air Solution: Computer Display Monitor

- Use LAN cable to connect and combine the control equipment and the pc from administrative department. Easy to install.
- To achieve the best control of the compressor/ air disposal equipment via concentrator.
- To monitor unusual happenings, production line pressure and etc.
- Intelligent compressor control, manage, count and report making function

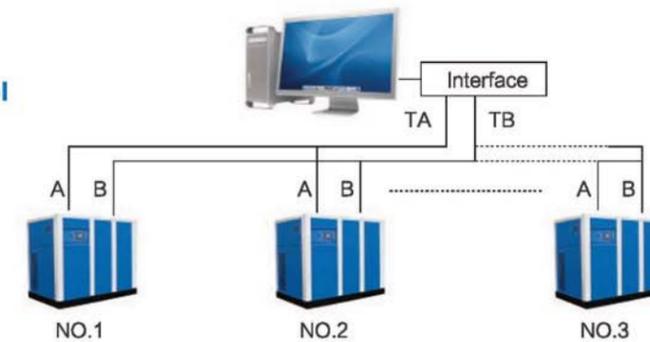
Air Solution: Touch Screen Remote Control Equipment

- Use LAN cable to connect with administrative department. Easy to install.
- To monitor unusual happenings, production line pressure and etc.
- Touch screen display presents combined control equipment function.

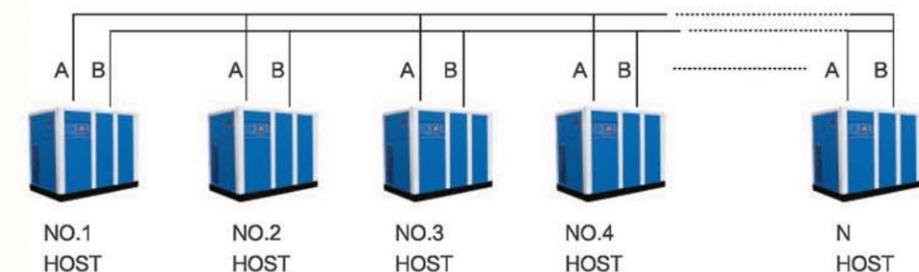
Comp-Keeper:SMS

- Send to administrator the sms about the maintenance of compressor and malfunction
- Specify 10 cellphone number at the most
- Can type directly different kinds of words according to the occurrence

Computer Control



Linkage Control



Energy Saving New Solutions

V Series Inverter Screw Air Compressor



Variable Speed Drive: Reducing Energy Consumption

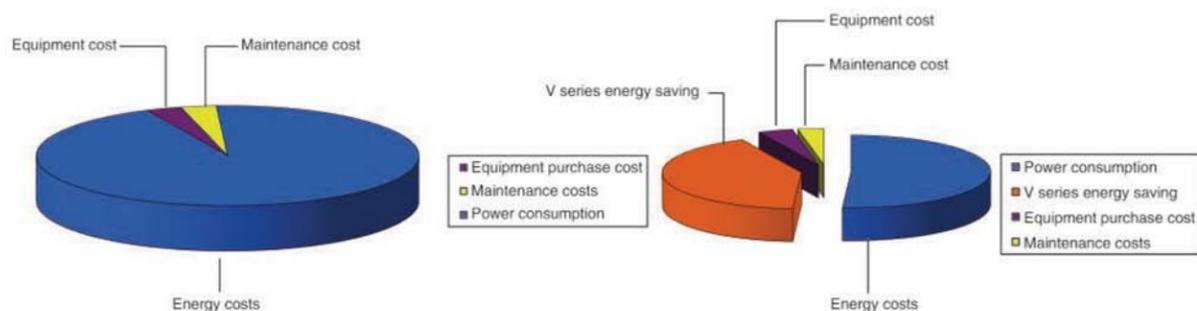
Energy saving is the biggest advantage of inverter air compressor, especially the user gas range is bigger, makes the energy saving advantage of inverter air compressor more obvious.

Air compressor power consumption cost accounts for more than 60% to its cycle running cost, production of compressed air costs approximately accounts for more than 40% of all electricity factory. Most of the production environment of air demand, in different time every day, on different dates every week, or in different months, all has sharp fluctuations of 40-80%. Inverter air compressor to provide compressed air can accurately meet the user's requirements. When the gas consumption from the user is reduced, then the air delivery is reduced, at the same time, reduce energy consumption. The key feature of frequency conversion: by reducing the unloading energy consumption, minimize the energy consumption of the air compressor.

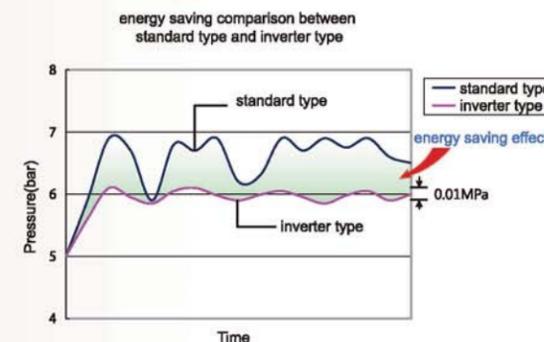
Inverter Air Compressor Working Principle

Inverter air compressor unit regards the client system pressure as the control object, unify the inverter, pressure sensor, vsd motor to form the closed-loop control system. Frequency conversion work pressure value can be set up directly by the operation panel, system pressure tested by sensor, converted into a 4-20 ma current signal and feedback to the controller. The controller by means of PID calculation, comparing with system setting frequency conversion work pressure value, so as to control inverter output frequency, change the rotating speed of main motor, ensure the gas production to match the accuracy demand of the factory, and achieve the goal of constant pressure gas supply and energy saving.

Five-year lifespan Total Cost Comparison

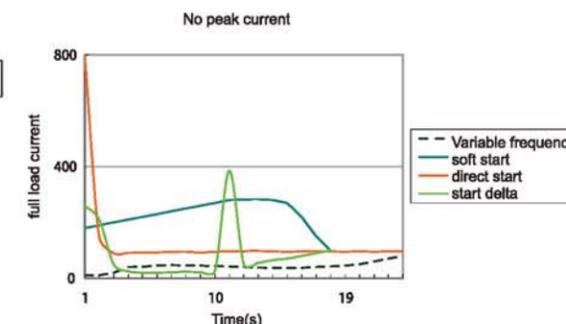


Through constant pressure control, provides the necessary amount of air with the necessary pressure



To control the pressure change under 0.01MPa, to supply the most suitable compressed air efficiently.

Variable frequency soft start, no current peak



Variable frequency soft start eliminates the starting peak current, to avoid impact on power grid. Through the speed adjusting step by step to avoid the current shock, improve flexibility.

Optional Power Frequency Variable Frequency Switching Function

Ordinary inverter compressor configuration has a standby power frequency starter, to prevent if the inverter has failure in case, switch to power frequency operation, ensure the production is not affected.

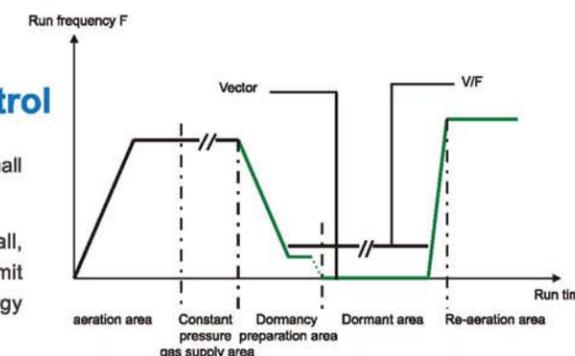
High Performance Of Vector Control

Real current vector control inverter; Low starting torque, small run current.

Inverter have dormancy function, when the gas usage small, can sleep, and auto awake function, no long time lower limit frequency operation process, to achieve maximum energy saving.

BUMATEC adopts the vector control technology, so as to make the unit can be in extremely wide speed range to ensure that the motor rise temperature to be minimum, to get the right torque to drive air compressor to run smoothly. The vector control technology separates the excitation and torque vector contained by stator current, controls them respectively, and then combines and converts into parameters of control signal, realize the effective control of electromagnetic torque. Even in low speed condition could keep the motor running at lower temperatures.

For 18.5 KW and above, the built-in dc current reactor greatly suppress the rf interference and harmonic interference. To provide users with multiple protection function (voltage, current, temperature, ground and short circuit protection).



BPM Series Inverter Compressor With PM Motor



Save electricity
42%
for you

Integrated Shaft Structure

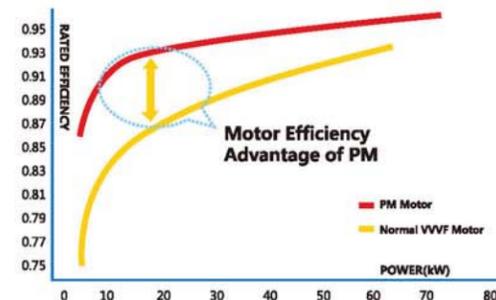
Adopt the structure of embedded integrated permanent magnet motor and the compressor air end shaft directly connected. No belt and gear mechanical loss, mechanical loss was completely cut, more compact structure. Permanent magnet motor without motor bearing, remove the motor bearing fault point, the transmission efficiency of 100%. Permanent magnet motor using highly efficient NdFeB, 120 degrees not loss of excitation, long service life. Stator coil adopts inverter dedicated corona resistant enameled wire. Insulation performance is outstanding, longer service life.



HF pm motor without bearing, shaft directly connection, embedded integrated design

High Efficiency Permanent Magnet Motor Frequency Conversion Control

Frequency conversion control can adjust the revolution according to the required air quantity. And compared to standard type compressor that can't control the revolutions, the energy saving effect is more obvious. Equipped with highly efficient permanent magnet motor, compared with ordinary inverter compressor, saving energy by 6 ~ 7% . Especially in low load area, superior control and structure, apparent energy saving advantages into full play. BPM can play the highest efficiency in wide range compared, energy saving 42% compared with ordinary frequency air compressor.

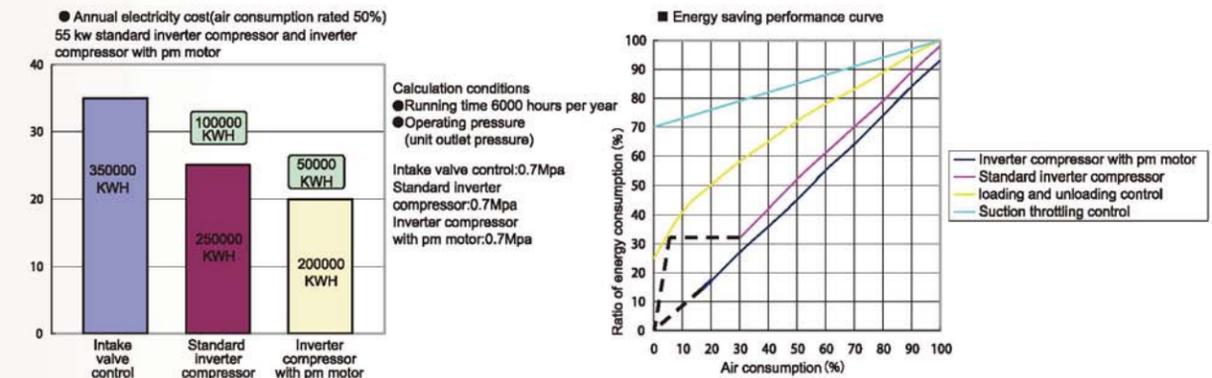


How Much Can Save?

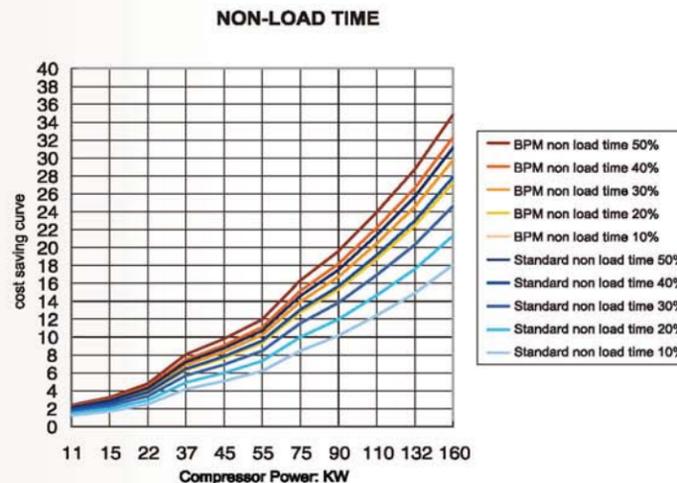
In the production of compressed air, energy consumption could be more than 40% of the total energy consumption of enterprises. BPM can significantly reduce energy consumption. VS(variable speed drive) can adjust gas production according to actual gas usage, thereby reducing the energy consumption of 25-44%.

BUMA Inverter Compressor Reduce Energy Consumption By Means Of The Following Points :

- Eliminate the inefficient conversion process from full load to unload.
- BUMA permanent magnet motor, compared with other ordinary inverter compressor manufacturers, energy saving of 6-7%.
- Embedded integrated structure of shaft directly connected.
- To avoid unload power consumption.
- Maintain the pipeline pressure within 0.01 Mpa.
- Reduce the average working pressure.
- Reduce system leaks.
- Soft start feature increases the motor current balance and avoid the current shock.
- Provide free choice from 4-13 bar, can reduce energy consumption to maximum.



Cost Saving Annually Between BPM&Standard Inverter Compressor



To run 6000 hours a year, electricity price 1 yuan/degree, data above is theoretical calculation.





BFD series direct drive coupling type

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m³/min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BFD22	22	30	3.6	7	15	G1"	1300 x 850 x 1220	550
			3.5	8				
			3.0	10				
			2.6	13				
BFD30	30	40	5.2	7	15	G1"	1550 x 950 x 1380	700
			5.0	8				
			4.5	10				
			3.8	13				
BFD37	37	50	6.5	7	20	G1-1/2"	1550 x 950 x 1380	800
			6.2	8				
			5.7	10				
			4.8	13				
BFD45	45	60	8.0	7	20	G1-1/2"	1550 x 950 x 1380	960
			7.5	8				
			6.9	10				
			6.0	13				
BFD55	55	75	10.3	7	30	G2"	1700 x 1100 x 1520	1600
			9.6	8				
			8.7	10				
			7.5	13				
BFD75	75	100	13.5	7	35	G2"	2100 x 1200 x 1620	1900
			12.5	8				
			11.2	10				
			10.0	13				
BFD90	90	125	16.3	7	40	DN50	2200 x 1250 x 1650	2100
			15.9	8				
			14.0	10				
			12.2	13				
BFD110	110	150	21.0	7	50	DN65	2500 x 1500 x 1950	3400
			20.0	8				
			17.0	10				
			14.8	13				
BFD132	132	180	23.5	7	50	DN65	2500 x 1500 x 1950	3400
			22.5	8				
			21.0	10				
			18.0	13				
BFD160	160	220	28.0	7	60	DN80	2600 x 1500 x 1950	4000
			26.5	8				
			24.5	10				
			20.3	13				
BFD185	185	250	32.0	7	60	DN80	2800 x 1560 x 1920	4000
			30.0	8				
			27.8	10				
			24.5	13				
BFD200	200	280	34.3	7	60	DN80	2800 x 1700 x 1950	4200
			32.9	8				
			30.2	10				
			27.2	13				
BFD220	220	300	36.0	7	100	DN100	3360 x 2000 x 2000	4500
			34.2	8				
			30.2	10				
			27.5	13				
BFD250	250	340	43.5	7	100	DN100	3360 x 2000 x 2000	4900
			41.8	8				
			38.0	10				
			34.5	13				
BFD315	315	400	57.6	7	220	DN125	4200 x 2250 x 2275	5700
			54.5	8				
			50.0	10				
			43.4	13				
BFD355	355	480	64.5	7	220	DN125	4200 x 2250 x 2275	6200
			62.2	8				
			56.0	10				
			48.6	13				

Note: 1. Air pressure: Min 0.5Mpa, Max 1.5Mpa. Selected Voltage Range: 3KV, 6KV, 10KV
2. The above values can be altered for improvements without any notice to customer.



BFB Series Belt Type

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m³/min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BFB7.5	7.5	10	1.2	7	8	G3/4"	800 x 695 x 830	280
			1.1	8				
			1.0	10				
			0.8	13				
BFB11	11	15	2.0	7	8	G3/4"	800 x 695 x 830	300
			1.6	8				
			1.42	10				
			1.14	13				
BFB15	15	20	2.5	7	10	G3/4"	1150 x 800 x 1100	390
			2.3	8				
			2.0	10				
			1.75	13				
BFB18.5	18.5	25	3.1	7	10	G3/4"	1150 x 800 x 1100	450
			2.9	8				
			2.6	10				
			2.2	13				
BFB22	22	30	3.5	7	15	G1"	1115 x 860 x 1250	660
			3.3	8				
			3.0	10				
			2.6	13				
BFB30	30	40	5.2	7	15	G1"	1115 x 860 x 1250	710
			5.0	8				
			4.5	10				
			3.8	13				
BFB37	37	50	6.5	7	20	G1-1/2"	1200 x 900 x 1300	850
			6.2	8				
			5.7	10				
			4.8	13				
BFB45	45	60	8.0	7	20	G1-1/2"	1200 x 900 x 1300	950
			7.5	8				
			6.9	10				
			6.0	13				
BFB55	55	75	10.3	7	30	G2"	1650 x 1200 x 1620	1900
			9.6	8				
			8.7	10				
			7.5	13				
BFB75	75	100	12.2	7	35	G2"	1650 x 1200 x 1620	2000
			12.0	8				
			10.8	10				
			10.0	13				

Note: 1. According to ISO1217 version 3-1966 appendix C, values measured under standard conditions.
2. According to ISO2151 version 1-1972, values measured under standard conditions.



BWD Series Direct Water Cooling Type

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m³/min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)	净重 (Kg)
BWD55	55	75	10.3	7	30	4.8	G2"	2100 x 1300 x 1580	1900
			9.6	8					
			8.7	10					
			7.5	13					
BWD75	75	100	13.5	7	35	6.6	G2"	2100 x 1300 x 1580	2000
			12.5	8					
			11.2	10					
			10.0	13					
BWD90	90	125	16.3	7	40	7.8	DN50	2200 x 1300 x 1580	2050
			15.9	8					
			14.0	10					
			12.2	13					
BWD110	110	150	21.0	7	50	10.2	DN65	2650 x 1700 x 1750	3400
			20.0	8					
			17.0	10					
			14.8	13					
BWD132	132	180	23.5	7	50	11	DN65	2650 x 1700 x 1750	3400
			22.5	8					
			21.0	10					
			18.0	13					
BWD160	160	220	28.0	7	60	12	DN80	2800 x 1700 x 1750	4000
			26.5	8					
			24.5	10					
			20.3	13					
BWD185	185	250	32.0	7	60	13.2	DN80	2800 x 1700 x 1750	4000
			30.0	8					
			27.8	10					
			24.5	13					
BWD200	200	280	34.3	7	60	15.6	DN80	2800 x 1700 x 1750	4000
			32.9	8					
			30.2	10					
			27.2	13					
BWD220	220	300	36.0	7	100	18	DN100	3200 x 1980 x 1950	4900
			34.2	8					
			30.2	10					
			27.8	13					
BWD250	250	340	43.5	7	100	20.4	DN100	3200 x 1980 x 1950	4900
			41.8	8					
			38.0	10					
			34.5	13					
BWD315	315	425	57.6	7	220	26	DN125	4200 x 2250 x 1950	6000
			54.5	8					
			50.0	10					
			43.4	13					
BWD355	355	480	64.5	7	220	30	DN125	4290 x 2250 x 1950	6200
			62.2	8					
			56.0	10					
			48.6	13					
BWD560	560	750	100.0	8	440	36	DN200	3416 x 2288 x 2172	9200
			86.0	10					

Note: 1. Air pressure: Min 0.5Mpa, Max 1.5Mpa. Selected Voltage Range: 3KV, 6KV, 10KV
2. The above values can be altered for improvements without any notice to customer.



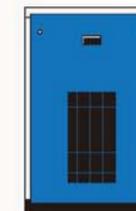
V Series Inverter Screw Air Compressor

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m³/min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BFB11V	11	15	0.4-2	7	8	G3/4"	800 x 695 x 830	210
			0.32-1.6	8				
			0.28-1.42	10				
BFB15V	15	20	0.5-2.5	7	10	G3/4"	1150 x 800 x 1100	360
			0.46-2.3	8				
			0.4-2.0	10				
BFB18.5V	18.5	25	0.62-3.1	7	10	G3/4"	1150 x 800 x 1100	400
			0.58-2.9	8				
			0.52-2.6	10				
BFD22V	22	30	0.7-3.5	7	15	G1"	1300 x 850 x 1220	550
			0.66-3.2	8				
			0.6-3.0	10				
BFD30V	30	40	1.04-5.2	7	20	G1-1/2"	1550 x 950 x 1380	800
			1.0-5.0	8				
			0.9-4.5	10				
BFD37V	37	50	1.3-6.5	7	20	G1-1/2"	1550 x 950 x 1380	800
			1.24-6.2	8				
			1.14-5.7	10				
BFD45V	45	60	1.6-8.0	7	20	G1-1/2"	1550 x 950 x 1380	960
			1.5-7.5	8				
			1.38-6.9	10				
BFD55V	55	75	2.06-10.3	7	30	G2"	1700 x 1100 x 1520	1600
			1.92-9.6	8				
			1.74-8.7	10				
BFD75V	75	100	2.7-13.5	7	35	G2"	2100 x 1200 x 1620	1900
			2.5-12.5	8				
			2.24-11.2	10				
BFD90V	90	125	3.26-16.3	7	40	DN50	2200 x 1250 x 1650	1900
			3.16-15.9	8				
			2.8-14	10				
BFD110V	110	150	4.2-21	7	60	DN65	2500 x 1500 x 1950	2800
			4.0-20	8				
			3.4-17	10				
BFD132V	132	180	4.7-23.5	7	60	DN65	2500 x 1500 x 1950	2800
			4.5-22.5	8				
			4.2-21	10				
BFD160V	160	220	5.6-28	7	100	DN80	2600 x 1500 x 1650	3500
			5.3-26.5	8				
			4.9-24.5	10				
BFD185V	185	250	6.4-32	7	100	DN80	2800 x 1560 x 1920	4000
			6.0-30	8				
			5.56-27.8	10				
BFD250V	250	340	8-40	7	220	DN100	3360 x 2000 x 2000	5000
			7.8-39	8				
			7.6-38	10				

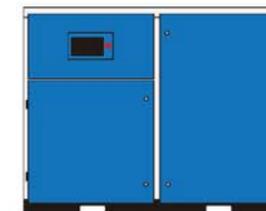


BPM Series Inverter Compressor With PM Motor

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m³/min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BPM22	22	30	0.56-3.71	8	15	G1"	1100 x 850 x 1220	500
			0.52-3.42	10				
BPM37	37	50	1.03-6.86	8	20	G1-1/2"	1150 x 1000 x 1410	750
			0.91-5.95	10				
BPM45	45	60	1.32-8.79	8	30	G2"	1700 x 1100 x 1520	1200
			1.16-7.73	10				
BPM55	55	75	1.63-10.74	8	30	G2"	1700 x 1100 x 1520	1200
			1.40-9.32	10				
BPM75	75	100	2.07-13.8	8	35	G2"	2100 x 1200 x 1620	1500
			1.81-12.0	10				
BPM90	90	125	2.45-16.33	8	60	DN65	2500 x 1500 x 1950	2200
			2.05-13.65	10				
BPM110	110	150	3.03-20.2	8	60	DN65	2500 x 1500 x 1950	2200
			2.69-17.9	10				
BPM132	132	180	3.62-24.1	8	60	DN65	2500 x 1500 x 1950	2200
			3.21-21.3	10				



Left view



Front view



Back view



Right view

BLD Series Low Pressure Screw Air Compressor

To save electricity
30%
 for you

Your equipment only needs 0.5 MPA and 0.4 MPA compressed air,

our energy-saving series low pressure screw compressor is your best choice.

Choose the 0.5 MPA or 0.4 MPA low pressure screw compressor, compared to choose 0.7 0.8 MPA screw compressor saves electricity more than 30% .

For compressor, if you buy 0.7 MPA, but the actual use pressure 0.5 MPA, its working process is usually like this: screw air end to compress the air to 0.7 MPA, then through the way such as pressure reducing valve to reduce the pressure to 0.5 MPA. That is to say, you are using 0.5 MPA pressure, but afford the power consumption of 0.7 MPA. If you are using pressure is 0.4 MPA, you spend more money.



Low pressure screw compressor

Industry such like, Textile, cement, chemical fiber, building materials, glass, need compressed air pressure of 3.5 to 3.5 BAR, adopt the 7-8 BAR air compressor equipped with pressure reducing valve to do it, this kind of air compressor is a great waste of energy.

Independent design air end, internal pressure ratio guarantee best specific power, reduce outlet pressure resistance, guarantee higher efficiency. To replace the 7-8 bar compressor, energy saving more than 30%.

Adopts the forced lubrication oil pump, ensure to have enough fuel injection quantity under extremely low exhaust pressure, maintain the best mixing ratio of oil and gas.

Motor and air end 1:1 direct connected, adopt the big rotor, low speed, ensure the machine's high performance.

To increase the size of oil and gas separator, ensure the outlet oil content less than or equal to 3 PPM.

Oil cooler heat dissipation area increase by more than 30%, and ensure the normal operation in summer, not to be over temperature.

Technical Specification



Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m ³ /min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BLD45-12/4	45	60	12.0	4	35	G2"	1700 x 1100 x 1520	1500
BLD75-20/4	75	100	20.0	4	50	DN65	2200 x 1250 x 1650	2000
BLD90-22/4	90	120	22.0	4	60	DN65	2500 x 1500 x 1950	3200
BLD110-30/4	110	150	30.0	4	60	DN80	2500 x 1500 x 1950	3400
BLD160-40/4	160	220	40.0	4	100	DN100	3360 x 2000 x 2000	4300
BLD220-60/4	220	300	60.0	4	220	DN125	4200 x 2250 x 2275	5600
BLD45-10/5	45	60	10.0	5	35	G2"	1700 x 1100 x 1520	1500
BLD75-16/5	75	100	16.0	5	50	DN65	2200 x 1250 x 1650	2000
BLD90-20/5	90	120	20.0	5	60	DN65	2500 x 1500 x 1950	3200
BLD110-22/5	110	150	22.0	5	60	DN65	2500 x 1500 x 1950	3400
BLD132-30/5	132	180	30.0	5	60	DN80	2500 x 1500 x 1950	3600
BLD180-40/5	185	250	40.0	5	100	DN100	3360 x 2000 x 2000	4500
BLD250-60/5	220	300	60.0	5	220	DN125	4200 x 2250 x 2275	5800

Note: The above values can be altered for improvements without any notice to customer.

Portable Screw Compressor

On behalf of the world's top technology products

On behalf of the world's top technology products

BUMA newly developed screw rotor, high precision rotor processed by high precision grinding machine, optimize combination of clearance, and achieve the world highest level displacement.

Full automatic air volume adjusting system

According to the different gas demand, to auto adjust 0-100% illimitably, when compressor unloading, the diesel engine is in idle state, to ensure the whole set of compressor running in the most economical condition.

Automatic protection

Diesel engine cooling water temperature if higher than 95 degrees, auto stop protection. Motor overload protection. Air compressor airtend auto stop protection when the exhaust temperature higher than 120 degrees. High exhaust pressure auto stop protection.



Technical Specification



Electrical Portable Compressor

Model	Motor Power (Kw)	HP (Hp)	Flow Meter (m ³ /min)	Pressure (bar)	Lub Oil (L)	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BEP55	55	75	10	8	30	1-1" 1-1 1/2"	3320 x 1600 x 1800	1800
			8.5	10				
			7	13				
BEP75	75	100	13	8	35	1-1" 1-1 1/2"	2450 x 1700 x 2170	2300
			11	10				
			10	13				
BEP90	90	125	16	8	40	1-1" 1-1 1/2"	2450 x 1700 x 2170	2500
			14.5	10				
			12	13				
BEP110	110	150	20	8	60	1-1" 1-2"	3550 x 1740 x 2200	3000
			17	10				
			14	13				
BEP132	132	180	23	8	60	1-1" 1-2"	3550 x 1740 x 2200	3500
			21	10				
			17	13				
BEP160	160	220	27	8	100	1-1" 1-2 1/2"	3650 x 1724 x 2484	4200
			25	10				
			20	13				
BEP185	185	250	30	8	100	1-1" 1-2 1/2"	3650 x 1724 x 2484	4500
			27.5	10				
			24	13				

Note: The above values can be altered for improvements without any notice to customer.



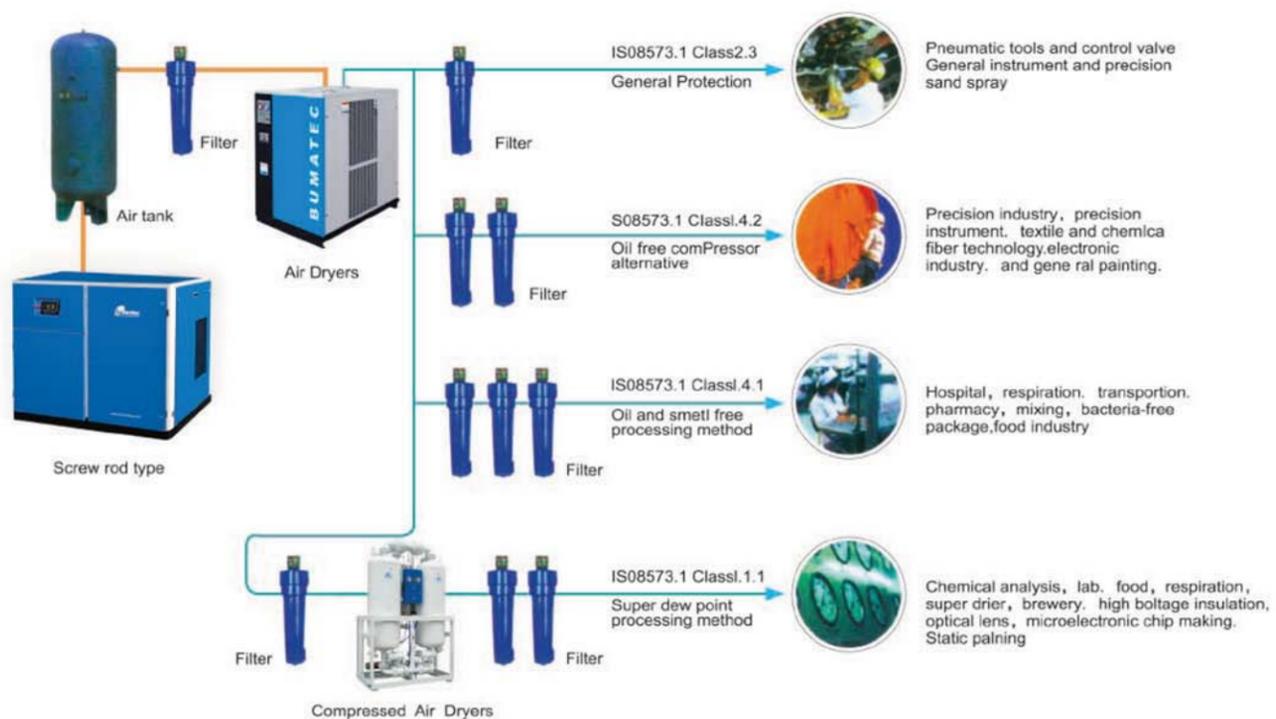
Diesel Portable Compressor

Model	Diesel engine Power (Kw)	HP (Hp)	Flow Meter (m ³ /min)	Pressure (bar)	Diesel engine manufacturer	Outlet Diameter	L x W x H (mm)	Weight (Kg)
BDP58	58	80	7	7	YUCHAI	1-1"	3500 x 1600 x 2000	1800
BDP90	90	120	10	8		1-1" 1-1 1/2"	4000 x 2080 x 2300	2300
			8	10				
BDP110	110	150	12	8		1-1" 1-1 1/2"	4000 x 2080 x 2320	2480
			10	10				
BDP132	132	180	13	8-13	CUMMINS	1-1" 1-1 1/2"	4300 x 2100 x 2200	2800
			17	8				
BDP176	176	240	20	8		1-1" 1-2"	4500 x 1900 x 2500	4500
			17	8-13				
BDP250	250	340	21	20		1-2" 1-1 1/2"	4800 x 2000 x 2500	5800
BDP298	298	400	26	20		1-2" 1-1 1/2"	4800 x 2000 x 2500	6200

Note: The above values can be altered for improvements without any notice to customer.

Configurations

Air Disposal Equipment



Refrigerated Air Dryer

Project	Model	HAD -0.7 HTF	HAD -1 HTF	HAD -2 HTF	HAD -3 HTF	HAD -6 HTF	HAD -10 HTF	HAD -13 HTF	HAD -15 HTF	HAD -20 HTF	HAD -25 HTF	HAD -30 HTF	HAD -40 HTF	HAD -50 HTF	
Flow capacity(Nm ³ /min)		0.7	1.2	2.4	3.8	6.5	10.7	13.5	17	23	27	33	45	55	
Power(V/Hz)		220/50						380/50							
Compressor power(HP)		1/3		1	1.2	2	3.6	3.8	3.9	4.2	5.5	6.5	8.5	10.5	
Fan power(W)		45	90	150	2×90	2×150	2×245	4×180	2×180 2×145	2×180+ 2×145	4×145	2×450+ 3×245	6×450		
Connection size		ZG1"			ZG11/2"		ZG2"	DN80				DN100	DN125		
Weight(kg)		60	80	90	150	250	340	435	480	600	700	820	4900		
Dimensio	length(mm)	640	760	760	1000	1200	1400	1690	1795	1970	1810	2610	2350		
	width(mm)	430	430	430	600	700	800	850	900	900	1010	1100	1190		
	height(mm)	580	700	720	860	1050	1130	1658	1688	1708	1980	2018	2250		



REFRIGERATED AIR DRYER

Project	Model	HAD -15 HTW	HAD -20 HTW	HAD -25 HTW	HAD -30 HTW	HAD -40 HTW	HAD -50 HTW	HAD -60 HTW	HAD -80 HTW	HAD -100 HTW	HAD -120 HTW	HAD -150 HTW	HAD -180 HTW	HAD -200 HTW	HAD -300 HTW
Flow capacity(Nm ³ /min)		17	23	27	33	45	55	65	85	100	120	150	180	200	300
Power(V/Hz)		380/50													
Compressor power(HP)		3.9	4.2	5.5	6.5	8.5	10.5	13.5	20	25	30	37.5	45	50	80
Capacity of cooling water(Nm ³ /h)		6.0	7.5	8.8	11.8	14.8	17.8	22.2	29.6	37.0	44.0	59.0	66.6	74.0	112.5
Connection size		DN80			DN100	DN125		DN150		DN200		DN250			
Size		ZG11/2"					ZG2"			ZG21/2"		ZG3			
Weight(kg))		420	4470	590	680	785	870	1100	1700	2480	2520	2800	3300	3600	4100
Dimensio	length(mm)	1560	1600	1805	1950	2250	2130	2310	2460	2740	2960	2960	3300	3550	4000
	width(mm)	1118	1110	1110	1283	1258	1350	1430	1586	1586	1620	1620	1900	2010	2300
	height(mm)	1340	1486	1510	1700	1683	1708	1708	2019	2019	2030	2050	2260	2380	2580

Desiccant Air Dryer Heatless Type

Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)	Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)	Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)
04	0.4	G1/2"	520×300×700	50	13	13.5	G2"	1230×800×2240	520	100	110	DN150	3000×1600×3225	4150
05	0.6	G1/2"	650×400×1030	80	15	17	DN65	1600×600×2400	720	130	140	DN150	3000×1700×3225	4980
1	1.2	G1"	780×500×1600	110	20	22	DN65	1700×700×2250	890	150	160	DN200	3500×1800×3340	6250
2	2.3	G1"	960×500×1880	150	25	27	DN80	1700×700×2550	950	180	190	DN200	3500×1800×3340	6460
3	3.6	G1"	960×500×2080	180	30	32	DN80	1900×750×2640	1320	200	210	DN200	3700×2000×3670	7280
5	5.2	G1 1/2"	1000×500×1920	220	40	42	DN100	2100×900×2680	1550	230	240	DN200	3700×2000×3770	8520
6	6.5	G1 1/2"	1070×500×1860	350	50	55	DN100	2200×950×2710	1880	250	260	DN200	3900×2200×3770	9360
8	8.5	G2"	1230×600×1820	430	60	65	DN100	2300×1000×2810	2250	280	290	DN250	4300×2400×4105	11000
10	11	G2"	1230×600×2040	460	80	85	DN125	2500×1100×2910	2810	300	310	DN250	4500×2400×4105	13000



DESICCANT AIR DRYER HEATLESS TYPE

BUMA Screw Air Compressor



DESICCANT AIR DRYER EXTERNAL HEATER/BLOWER PURGE



AIR FILTER



ELECTRONIC AUTO DRAIN



MECHANICAL AUTO- DRAIN

Desiccant Air Dryer External Heater/Blower Purge

Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)	Heating power (kw)	Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)	Heating power (kw)	Model HAD-	Air flow meter (m ³ /min)	Connection size	L×W×H	weight (kg)	Heating power (kw)
3	3.6	G1"	960×500×2140	180	3	25	27	DN80	1700×700×2630	1990	9	150	160	DN200	3500×1800×3340	6350	65
5	5.2	G1 1/2"	1000×500×1980	250	4	30	32	DN80	1900×720×2740	1380	12	180	190	DN200	3500×1800×3470	6560	65
6	6.5	G1 1/2"	1070×600×1960	380	4	40	42	DN100	2100×900×2780	1620	18	200	210	DN200	3700×2000×3720	7400	80
8	8.5	G2"	1230×600×1900	460	4	50	55	DN100	2200×950×2710	1950	21	230	240	DN200	3700×2000×3770	8640	80
10	11	G2"	1230×600×2100	500	6	60	65	DN100	2200×1000×2810	2320	25	250	260	DN200	3900×2200×3770	9510	90
13	13.5	G2"	1230×600×2480	560	6	80	85	DN125	2500×1100×2910	2820	30	280	290	DN250	4300×2400×4100	11150	90
15	17	DN65	1600×600×2480	760	6	100	110	DN150	3000×1600×3225	4230	40	300	310	DN250	4500×2400×4100	13150	110
20	22	DN65	1700×700×2330	930	9	130	140	DN150	3000×1700×3225	5056	50						

Air Filter

Model	Nm ³ /min 7kgf/cm ²	Connection Sizes	Size(mm)		Element	
			Height	Width	No.	Qty
HF-(grade)001/2(function)	0.6	G1/2"	160	105	E-(grade)-12	1
HF-(grade)001(function)	1.2	G1/2"	210	105	E-(grade)-16	
HF-(grade)002(function)	2.4	G1/2"	275	105	E-(grade)-20	
HF-(grade)004(function)	3.8	G1"	295	133	E-(grade)-24	
HF-(grade)005(function)	5	G1"	420	133	E-(grade)-28	
HF-(grade)007(function)	7	G1-1/2"	510	164	E-(grade)-32	
HF-(grade)010(function)	11	G1-1/2"	625	164	E-(grade)-36	
HF-(grade)013(function)	14	G2" or DN50	730/1008	194/369	E-(grade)-40	
HF-(grade)018(function)	18	G2" or DN80	875/1103	194/369	E(grade)-44	2
HF-(grade)022(function)	22	G2" or DN80	1030/1225	164/360	E(grade)-48	
HF-(grade)026(function)	26	DN80	1325	409	E(grade)-40	
HF-(grade)035(function)	35	DN80	1325	409	E (grade)-44	
HF-(grade)045(function)	45	DN100	1325	409	E (grade)-48	
HF-(grade)054(function)	54	DN125	1362	520	E (grade)-44	
HF-(grade)066(function)	66	DN125	1362	520	E-(grade)-48	
HF-(grade)088(function)	88	DN125	1530	545	E-(grade)-48	

Note: 1.The maximum pressure 16kgf/cm² 2.filter maximum working temperature:66°C (C grade filter element to be 80°C)
3.Grade: C/T/A/AA/H 4.Function: D-auto drain, P-pressure, G-gauge, L-liquid 5.For larger flow meter filter,please contact BUMA

Service For Customers Impression

Advanced Services

Advise for best choice: BUMA advises customer to select just fit compressor by presenting technical data and available information under the consideration of stomer requirements, overall scale of production, air capacity, environmental factors.

Field service: BUMA advises about customer productionlines in accordance with detail Investigation of compressor operation.

부마는 국내외에 완벽한 서비스 네트워크 시스템을 구축하여 신속하고 고품질의 서비스를 성심 성의껏 제공하고 있습니다.

일부 기업에서 부품을 고가로 판매하여 고객이 불편을 겪는 일이 발생하는 사례가 빈번하게 발생하고 있습니다. 부마는 언제나 경제적인 가격으로 부품을 판매하여 고객으로 부터 환영받는 기업이 되고자 합니다.

We Promise The Following For Our Customers.

- 1) As soon as air compressor and equipment arrived at site, we will dispatch service personnel to advise customer's installation.
- 2) After the installation of air compressor and equipment is completed, we will dispatch service personnel to set operating values and train customer's personnel to do daily operation, maintenance, and simple diagnosis and trouble shooting of compressor.
- 3) Even one year warranty period is expired, we will do tracking service for our customers.
- 4) Technical advices for customer's technical problems will be done within a day.
- 5) Trouble shooting without delay when customer complainment is raised.
- 6) Inventory spare parts will be supplied in time and best quality.

