

AIRHORSE Single-Phase Screw Air Compressor

Model	Working Pressure (Mpa)	Air Flow (m ³ /min)	Motor Power (KW)	Size L×W×H (mm)	Outlet Diameter (DN)	Weight (kg)
BPM-4A-S	0.8	0.4	3	740×590×775	3/4"	95
	1.0	0.25				
BPM-5A-S	0.8	0.5	4	740×590×775	3/4"	100
	1.0	0.4				
BPM-7A-S	0.8	0.7	5.5	740×650×800	1/2"	108
	1.0	0.5				
BPM-10A-S	0.8	1.1	7.5	740×650×800	1/2"	116
	1.0	0.9				
BPM-15A-S	0.8	1.6	11	850×720×1070	3/4"	185
	1.0	1.4				
BPM-20A-S	0.8	2.3	15	850×720×1070	3/4"	190
	1.0	2.0				
BPM-30A-S	0.8	3.8	22	1150×780×1095	1"	365
	1.0	3.6				



MAINTENANCE OF AIR COMPRESSOR

We provide selective maintenance services for customers' equipment maintenance. The content is customized for your equipment. You can choose a single price maintenance or choose long-term parts supply or preventive maintenance contract, through the above contract, you can enjoy valued service and guarantee and overhauled and updated parts at competitive price. We also provide energy saving solution, such as energy recovery, frequency conversion, and energy-saving optimization systems, can greatly reduce your production cost.



Only use genuine parts and service of AirHorse Compressor Co., Ltd., to ensure the normal operation of the compressor group and normal life to the greatest extent.

AirHorse 艾玛

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AirHorse[®]
— AIRHORSE COMPRESSOR —



GUANGZHOU AIRHORSE COMPRESSOR CO.,LTD

*FRIENDLY REMINDER: This parameter list is for reference only. We may adjust the related parameter. if there is any change, we will not inform you otherwise. If you do not know, please call us.

*FRIENDLY REMINDER: The standard specifications of our products are applicable to regions with an altitude below 1,000 meters. For usage environments exceeding 1,000 meters above sea level, please feel free to contact us for customized configurations to ensure optimal equipment performance and operational safety.



Guangzhou AirHorse Compressor Co.,Ltd. is the professional manufacturer and exporter. We are specialized in screw air compressor research, development and production. The main products include screw air compressor, air dryer, air tank and air filter.

AIRHORSE screw air compressor adopts advanced technology from Europe, using Germany origin air end, SKF bearing, Siemens/Schneider electrical components and other famous brand main spare parts configuration, which ensure its good stability, high efficiency, low noise and long life. It's widely used in power generation, ship building, food, package, electronic, cement, textile, paper-making, gas etc.

With ISO, CE and A SME certificate approved, our air compressors are exporting to more than 100 countries and area. You are warmly welcome to visit our factory and join us for win-win.



ISO Certificate



ASME Certificate

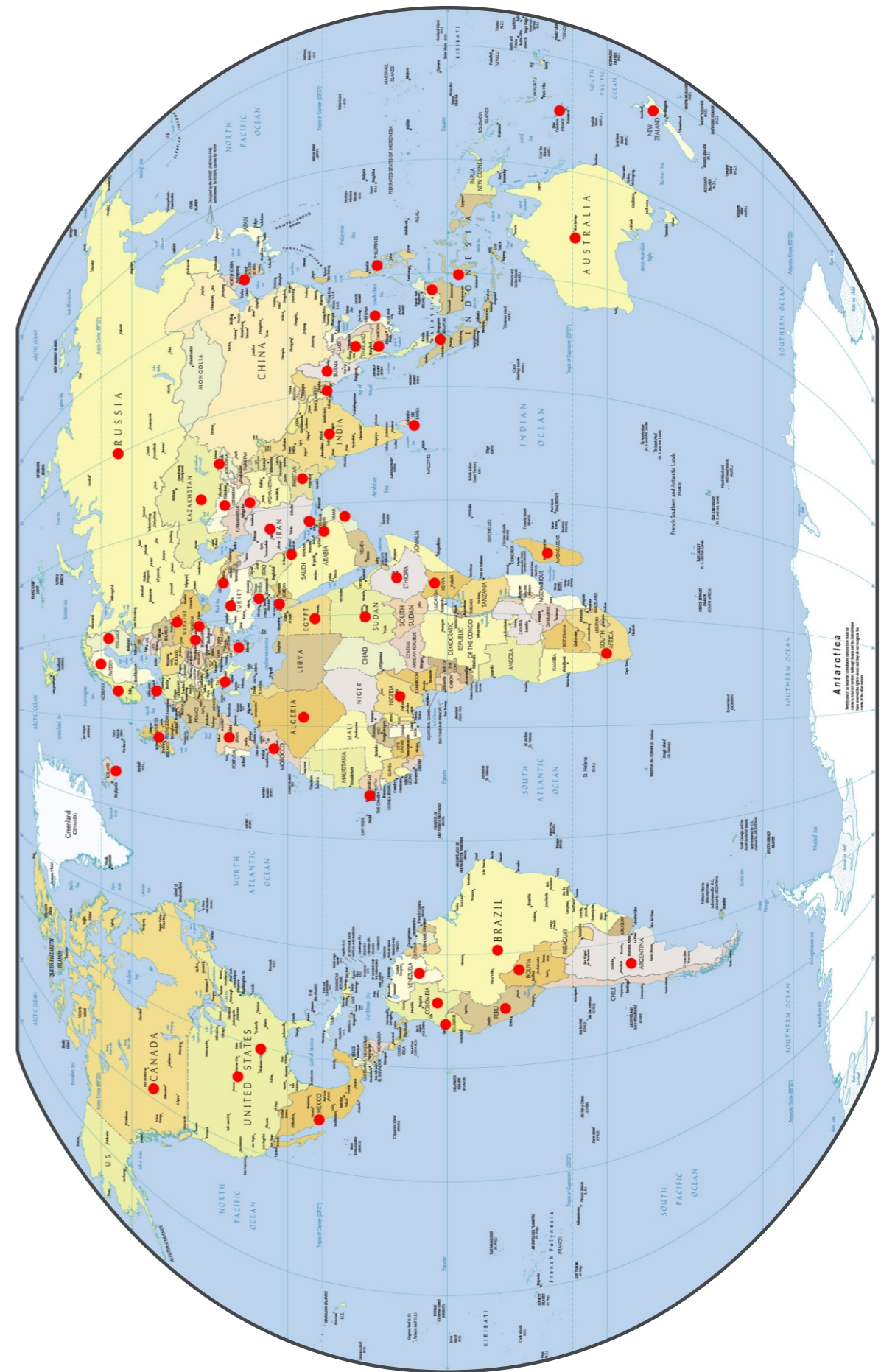


Refrigerated Air Dryer
CE Certificate



Screw Air Compressor
CE Certificate

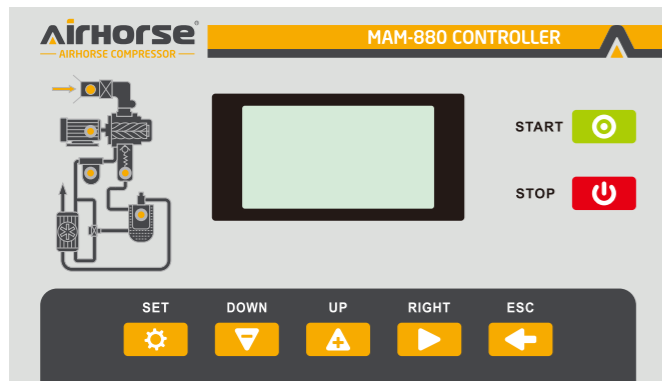
AIRHORSE AROUND THE WORLD





AIR END (GERMAN TECHNOLOGY)

Famous brand air end with SKF bearing, the powerful heart decides the high performance of the whole machine, to make sure bigger air capacity, higher efficiency, high precision process rotor, extend the life of the moving parts efficiently.



CONTROL PANEL (CHINESE, ENGLISH, RUSSIAN, SPANISH AVAILABLE)

AirHorse control panel provide the most cost effective maintenance program, to ensure trouble-free operation, almost like a built-in service technician.



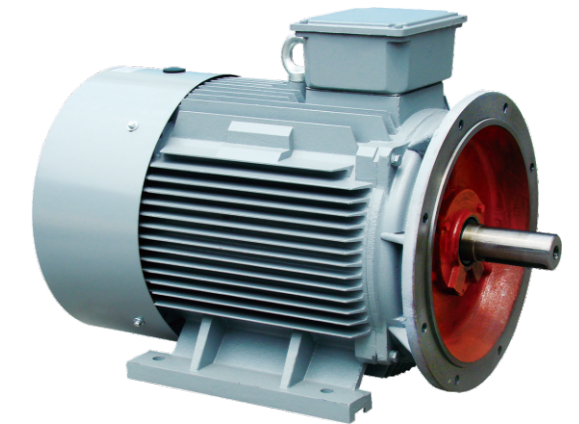
COOLING SYSTEM

Design of large heat exchange area, can effectively avoid high temperature and adapt to bad working condition to ensure longer life.



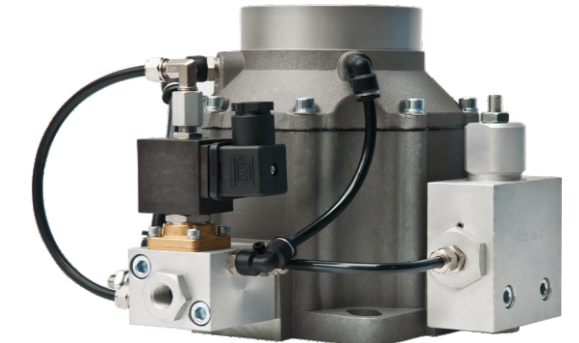
HIGH EFFICIENCY INVERTER

Adopting frequency conversion speed control to make full use of energy-saving effects to create a new generation of energy-saving compressor that saves electricity and energy.



MOTOR

Using well-know brand high performance motor, protection class Ip54, F Class insulation, SKF load bearing, higher efficiency than similar products by 3%-5%.



INTAKE VALVE

Automatically adjust based on gas consumption, low maintenance, good stability, large inlet air.

SCREW AIR COMPRESSOR (BELT TYPE)



SCREW AIR COMPRESSOR (BELT TYPE)

AirHorse screw air compressors with V-belt drive use Germany technique which provide high quality air, low noise and high efficiency. It's more elegant, easy to install, simple operation and maintenance.



TECHNICAL SPECIFICATIONS (BELT DRIVEN TYPE)

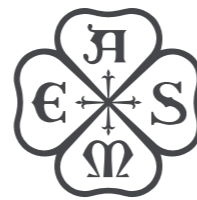
MODEL	AHB-5A	AHB-7A	AHB-10A	AHB-15A	AHB-20A	AHB-25A	AHB-30A	AHB-40A	AHB-50A	AHB-60A	AHB-75A	AHB-100A	
Free Air Deliver / Discharge Pressure (m ³ /min/MPa)	0.6/0.7	0.85/0.7	1.2/0.7	1.6/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.2/0.7	6.8/0.7	7.3/0.7	10.0/0.7	13.5/0.7	
	0.43/1.0	0.6/1.0	0.9/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.0/1.0	8.5/1.0	11.2/1.0	
	0.33/1.3	0.46/1.3	0.7/1.3	1.1/1.3	1.9/1.3	2.2/1.3	2.8/1.3	3.8/1.3	4.9/1.3	5.6/1.3	7.6/1.3	10.0/1.3	
Free Air Deliver / Discharge Pressure (CFM/PSI)	21/102	30/102	42/102	57/102	88/102	113/102	134/102	184/102	240/102	258/102	353/102	477/102	
	20/116	27/116	39/116	53/116	81/116	102/116	127/116	177/116	219/116	247/116	322/116	445/116	
	15/145	21/145	32/145	46/145	74/145	92/145	113/145	159/145	198/145	212/145	300/145	396/145	
	11/189	16/189	25/189	39/189	67/189	78/189	99/189	134/189	173/189	198/189	269/189	353/189	
Compression Stage	Single Stage												
Ambient Temperature	-5~+45°C												
Cooling Mode	Air Cooling												
Discharge Temperature (°C)	Ambient temperature+15°C												
Lubricant (L)	3	3.3	3.3	10	10	14.5	14.5	15	20	20	45	45	
Noise Level (dB)	70±2						73±2				75±2		
Drive Method	Belt Driven												
Electricity (V/ph/Hz)	380/3/50												
Motor Power (kW/hp)	4/5.5	5.5/7.5	7.5/10	11/15	15/20	18.5/25	22/30	30/40	37/50	45/60	55/75	75/100	
Starting Method	Direct Starting						Y-Δ Starter (Star Delta Starting)						
Dimension L*W*H (mm)	700*600*740		860*730*960		940*800*1075		1200*950*1150		1400*930*1280		1500*990*1420		1730*1100*1560
Net Weight (kg)	136	185	195	315	335	400	410	460	600	680	980	1000	
Air Outlet Diameter (inch/mm)	3/4"		1/2"		3/4"		1"		1 1/2"		2"		

SCREW AIR COMPRESSOR (DIRECT TYPE)



SCREW AIR COMPRESSOR (DIRECT TYPE)

AirHorse screw air compressor provides high-quality air you can rely on to avoid costly downtime and production delays. The robust design ensures your processes will function continuously even in the harshest conditions such as temperature up to 55°C. Furthermore, AirHorse air compressors are easy to install and use, they require minimal on-site installation work and simple to operate and maintain.



TECHNICAL SPECIFICATIONS (DIRECT DRIVEN TYPE)

MODEL	AHD-10A	AHD-20A	AHD-30A	AHD-40A	AHD-50A	AHD-60A	AHD-75A	AHD-100A	AHD-120A	AHD-150A	AHD-175A	AHD-220A	AHD-250A	AHD-300A	AHD-350A
Free air deliver / Discharge pressure (m ³ /min/Mpa)	1.2/0.7 1.1/0.8 0.9/1.0	2.5/0.7 2.3/0.8 2.1/1.0 1.9/1.3	3.8/0.7 3.6/0.8 3.2/1.0 2.8/1.3	5.2/0.7 5.0/0.8 4.5/1.0 3.8/1.3	6.8/0.7 6.2/0.8 5.6/1.0 4.9/1.3	7.3/0.7 7.0/0.8 6.0/1.0 5.6/1.3	10.0/0.7 9.1/0.8 8.5/1.0 7.6/1.3	13.5/0.7 12.6/0.8 11.2/1.0 10.0/1.3	16.1/0.7 15.0/0.8 13.8/1.0 12.3/1.3	21.0/0.7 19.8/0.8 17.0/1.0 15.3/1.3	25.2/0.7 24.0/0.8 21.0/1.0 18.3/1.3	28.7/0.7 27.6/0.8 24.6/1.0 21.5/1.3	32.0/0.7 30.5/0.8 27.5/1.0 24.8/1.3	41.5/0.7 41.0/0.8 30.2/1.0 27.8/1.3	44.5/0.7 43.5/0.8 41.0/1.0 34.6/1.3
Free air deliver / Discharge pressure (CFM/PSI)	42/102 39/116 32/145	88/102 81/116 74/145 67/189	134/102 127/116 113/145 99/189	184/102 177/116 159/145 134/189	240/102 219/116 198/145 173/189	258/102 247/116 212/145 198/189	353/102 322/116 300/145 269/189	477/102 445/116 396/145 353/189	569/102 530/116 488/145 435/189	742/102 700/116 601/145 541/189	890/102 848/116 742/145 647/189	1014/102 975/116 869/145 760/189	1131/102 1078/116 972/145 876/189	1465/102 1447/116 1067/145 982/189	1570/102 1535/116 1447/145 1223/189
Compression Stage	Single Stage														
Ambient temperature	-5 ~ +45°C														
Cooling mode	Air Cooling														
Discharge temperature	Ambient temperature + 15°C														
Lubricant	3.3	10	14.5	15	20	20	45	45	75	75	85	85	120	160	170
Noise level (dB)	62±2	64±2	68±2				72±2			75±2			76±2		
Drive method	Direct Driven														
Electricity (V/ph/Hz)	380/3/50														
Motor power (kW/hp)	7.5/10	15/20	22/30	30/40	37/50	45/60	55/75	75/100	90/120	110/150	132/175	160/220	185/250	220/300	250/350
Starting method	Direct Starting	Y-Δ Starter (Star Delta Starting)													
Dimension L*W*H (mm)	890*650 *810	1160*700 *1100	1200*900 *1150	1400*900 *1225	1560*1000 *1365		1800*1160 *1490		2100*1430 *1740	2500*1480 *1800	2700*1580 *1770		2800*1830 *2320		3250*2130 *2320
Net weight	200	230	415	460	630	705	807	900	1700	2150	2750	3150	3450	3850	4250
Air outlet diameter (inch/mm)	1/2"	3/4"	1"		1 1/2"		2"			2 1/2"			DN80		



VARIABLE SPEED DRIVE SCREW AIR COMPRESSOR

Use AirHorse Variable Speed Drive screw air compressor, you don't need to worry about the complex of electrical installation and programming for the machine. All parts of compressor are assembled before shipment, as long as the main power supply is connected, it can work immediately.

Through the powerful intelligent controller test the pressure of the air system changes continuously, accurate to change the speed, air flow of the air compressor always consistent to the demand of the user's system. Intelligent controller of reaction rate is calculated by milliseconds, and at the same time for speed correction can be made within the 3 ms, make its outlet air pressure control within the minimum range.

INTEL DRIVE FEATURES

High-efficiency induction motor, Integrated Variable Speed Driven (VSD) with speed control, Leading control and protection, Soft starting eliminates drive stress

ECONOMY OF USE

Saves your money by lowering your operation cost. These saving will continue to be delivered to your bottom line year after year.

BEST EFFICIENCY AT PART-LOAD

When operating at part-load, the performance is top in class. The variable speed IntelliDriven avoids load cycling and maintains a steady state of operation, reducing operating and maintenance costs.



"Six" More Advantages

SOFT START LOWERS YOUR OPERATING COST

The gentle start cycle of the IntelliDrive increases the service life, meaning that frequent stop and restart cycles are permitted, without the risk of over-heating.

Multiple Machine Operation

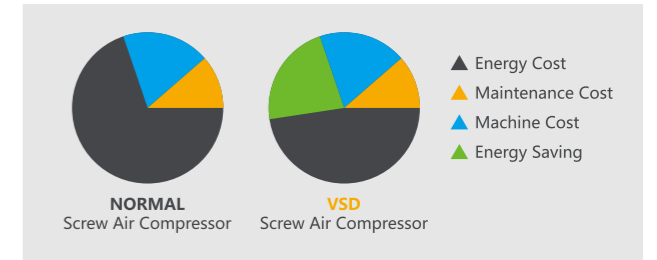
When operating as a pressure trim machine, the power savings achieved by a single compressor is multiplied by additional savings achieved over the full installation.

High Full-load Operating Efficiency

Class-leading performance achieved by state-of-the-art airend design and manufacturing processes, coupled with the reduction of internal losses, means that airend full-load performance.

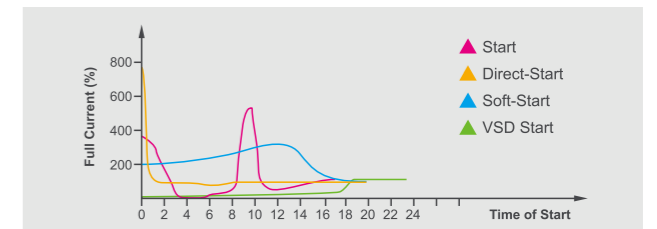
COST

The Guangzhou AirHorse VSD screw air compressor can change the motor RPM precisely according to the air consumption under stable discharge pressure. The compressor only delivers the required air, and only consumes the energy of necessary compressed air. That's why the VSD type screw air compressor can save energy during the whole set machine operation. The cost of saving energy is much higher than the cost of machine itself.



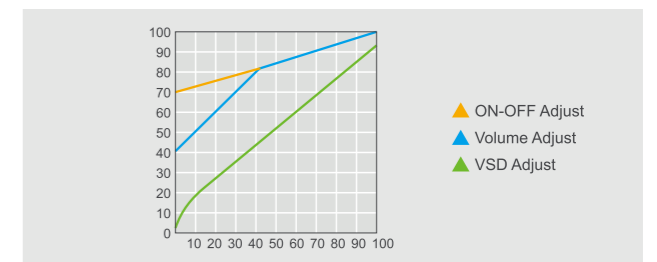
START AND OPERATION

The figure shows a comparison of several types of start up. We can see that the VSD air compressor is slowly accelerating started, more stable than the soft-start compressor, completely avoiding the current peak. Variable speed screw air compressor is ideal for use in areas lacking of electricity.



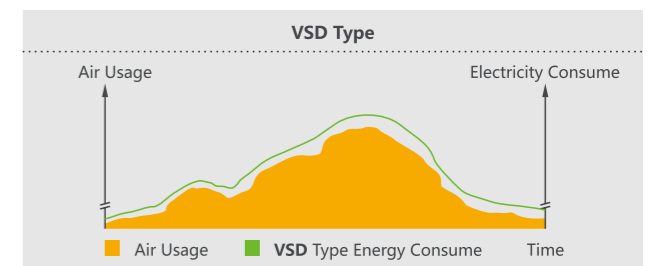
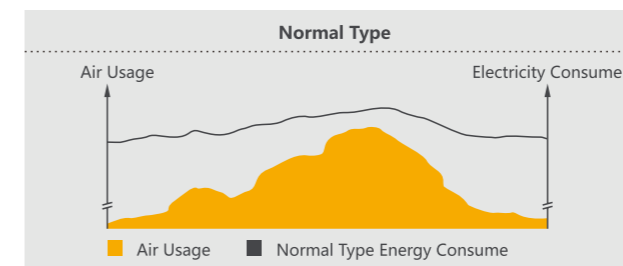
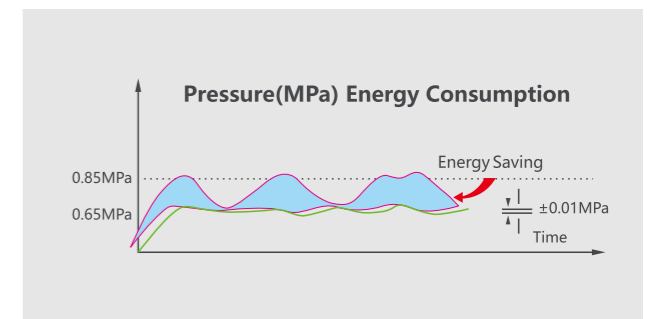
ELECTRICITY SAVING RESULT

According to the research between the VSD screw air compressor and a normal screw air compressor, there are two fields which can display the result of energy saving, the loss of no-loading and loss of fluctuating pressure. For example, for a 55KW screw air compressor, 70% air delivery in a year, the VSD type can save about 80000KWH energy. The cost of VSD can be taken back within two years.



CONSTANT PRESSURE AIR SUPPLY, WITH THE BALANCE OF PRODUCTION

The figure shows the energy consumption comparison between the general air compressor and VSD air compressor. The VSD screw air compressor changes the rotating speed according to air consumption and balance the air supply and air usage. Thus avoiding the machine frequent loading and unloading, making the VSD machine save more than 35% energy compared to normal compressor. Stable pressure delivery controlled the pressure zone with 0.01 Mpa-0.02 Mpa, avoid energy loss under high pressure in the normal type air compressor.





AIRHORSE INTEGRATED TYPE SCREW AIR COMPRESSOR

HOW CAN A COMPRESSED AIR SYSTEM HELP YOU INCREASE PROFITABILITY ?

The answer is really pretty simple: by ensuring that you achieve the highest productivity in your shop while reducing the total cost of ownership to the absolute lowest levels.

✔ ULTIMATE RELIABILITY

AirHorse is so confident in the performance of these compressors, that we offer a choice of extended warranty packages designed to provide you with maximum operating security. Smart integration eliminates leaks and pressure drops, ensuring maximum reliability.

✔ ULTIMATE EFFICIENCY

Delivers more air for less horsepower, saving thousands of dollars per year on energy. Eliminates wasteful unloaded running by cycling the compressor on/off.

✔ ULTIMATE FLEXIBILITY

With a simplified, easy to maintain structure and with long life components, a trouble-free operation is provided. Compact machine design provides minimum working space.

✔ A REVOLUTIONARY ADVANCEMENT

Going far beyond combining the compressor, dryer and filters in one package, smart integration also: Eliminates vulnerable interconnecting piping. Minimizes pressure losses and drops. Integrates the compressor, dryer and filter into an energy-reducing, optimized system. Incorporates the entire supply-side system into one whisper-quiet package, enabling installation virtually anywhere. Provides generous space to promote cooling and to allow unobstructed service.

✔ DRY AND CLEAN COMPRESSED AIR

All Total Air System packages come fully equipped with an integral, energy-saving air treatment center including a high-performance air dryer and filtration pack to remove water, oil and particles from the air stream. All components are perfectly matched to deliver the right air quality to increase air-powered tool and system equipment life.

✔ HIGH-EFFICIENCY COMPONENTS

Setting the Standard in System Design. The Total Air System incorporates only the highest quality components to ensure that both system efficiency and productivity are maximized a high-efficiency compressor room without the hassle, complexity and costs of the traditional compressor room. Total Air System packages come fully equipped with: A high-efficiency rotary screw air compressor. An energy-saving cycling refrigerated air dryer. A high-efficiency coalescing filter. A high-efficiency particulate filter. An integral air receiver storage tank. Integrated compressor and dryer controls. Low pressure drop piping.

✔ BENEFITS ARE VIRTUALLY ENDLESS

Plug-and-play simplicity, eliminates the leading causes of failure in air systems: incorrect sizing and installation. Virtually no install costs, eliminates 80% of install time, material and costs. Integral packaging saves valuable floor space for other uses. Lifetime power savings through highly efficient components. Increased productivity through better air quality. Eliminates water and corrosion resulting in extended tool and equipment life.

TANK MOUNTED SCREW AIR COMPRESSOR (2-IN-1 TYPE)

Model	Motor Power		Free Air Deliver	Free Air Deliver	Discharge Pressure	Tank Volume	Electricity	Weight	Size
	(kW)	(ph)	(m ³ /min)	(CFM)					
AHB-7A	5.5	7.5	0.85	30	0.7	300	380/3/50	370	1570*860*1575
			0.75	27	0.8				
			0.6	21	1.0				
			0.46	16	1.3				
AHB-10A	7.5	10	1.2	42	0.7	300	380/3/50	380	1570*860*1575
			1.1	39	0.8				
			0.9	32	1.0				
			0.7	25	1.3				
AHB-15A	11	15	1.6	57	0.7	500	380/3/50	420	1620*800*1787
			1.5	53	0.8				
			1.3	46	1.0				
			1.1	39	1.3				
AHB-20A	15	20	2.5	88	0.7	500	380/3/50	490	1620*800*1787
			2.3	81	0.8				
			2.1	74	1.0				
			1.9	67	1.3				

AIRHORSE ALL-IN-ONE STYLE SCREW AIR COMPRESSOR MOUNTED TANK ,DRYER& PIPE FILTER

Model	Motor Power		Free Air Deliver	Free Air Deliver	Discharge Pressure	Tank Volume	Electricity	Weight	Size
	(kW)	(ph)	(m ³ /min)	(CFM)					
AHB-5A	4	5.5	0.6	21	0.7	300	380/3/50	410	1750*810*1580
			0.55	20	0.8				
			0.43	15	1.0				
			0.33	11	1.3				
AHB-7A	5.5	7.5	0.85	30	0.7	300	380/3/50	410	1750*810*1580
			0.75	27	0.8				
			0.6	21	1.0				
			0.46	16	1.3				
AHB-10A	7.5	10	1.2	42	0.7	300	380/3/50	425	1750*810*1580
			1.1	39	0.8				
			0.9	32	1.0				
			0.7	25	1.3				
AHB-15A	11	15	1.6	57	0.7	500	380/3/50	500	1860*840*1787
			1.5	53	0.8				
			1.3	46	1.0				
			1.1	39	1.3				
AHB-20A	15	20	2.5	88	0.7	500	380/3/50	540	1860*840*1787
			2.3	81	0.8				
			2.1	74	1.0				
			1.9	67	1.3				
AHD-30A	22	30	3.8	134	0.7	600	380/3/50	1000	2250*1200*1792
			3.6	127	0.8				
			3.2	113	1.0				
			2.8	99	1.3				
AHB-30A	22	30	3.8	134	0.7	600	380/3/50	1000	2250*1200*1792
			3.6	127	0.8				
			3.2	113	1.0				
			2.8	99	1.3				



REFRIGERATED AIR DRYER & PIPELINE AIR FILTER



AIRHORSE REFRIGERATED AIR DRYER

Working Principle: The dryer is divided into three system: heat exchange, refrigeration and electric control system. Compressed air enters the air-air or air-water pre-cooler for removing heat content, then it enters the air or air heat exchanger and being cooled down to a lower temperature. After it enters the evaporator, the air to refrigerant heat reduce the air temperature down to 2-5°C (dew point temp.), the moisture will be condensed into liquid, which will be separated by separator and be drained off by the solenoid drain valve. In the mean time, low temperature air pass through the air to air heat exchanger, then goes to application after reaching designed temperature.

REFRIGERATED AIR DRYER TECHNICAL PARAMETER LIST

MODEL	AH-7.5SG	AH-10SG	AH-15SG	AH-20SG	AH-30SG	AH-50SG	AH-60SG	AH-75SG	AH-100SG	AH-120SG	AH-150SG	AH-200SG	AH-250SG	AH-300SG	AH-400SG
Ambient temperature	≤35°C														
Air inlet temperature	≤60°C														
Cooling mode	风冷														
Air flow (m ³ /min)	1.0	1.5	2	2.5	3.8	6.8	7.5	10.5	13.8	16	20	26	30	35	45
Compressor power (kW)	0.35		0.45	0.885	1.13		1.98	2.555	3.1	3.65	3.8	5.45	6	7.4	
Air inlet pressure (MPa)	0.4-1.0														
Pressure loss (MPa)	≤0.02														
Dew point (°C)	2-5														
Max. pressure	13KG														
Pipe diameter	R1"			R1½"			R2"		R2½"			R3"		DN100	
Electricity (V/ph/Hz)	220/1/50										380/3/50				
Size (mm)	L	700			760	900	1000	1200	1200		1370	1470		1600	1950
	W	390		450	530	570	600	600			700		750	1100	
	H	760			1010		1015		1165		1315		1400		1580
Net weight (kg)	42.2	43.2	44.2	45.2	80	110	120	175	202	225	315	330	345	513	665

AIRHORSE PIPELINE AIR FILTER

Function: The pipeline filter can filter out impurities such as dirt, oil, water, etc. Through the three-stage precision filtration of compressed air filter A, B, C, from coarse to fine, it can effectively remove 99.9% of impurities.

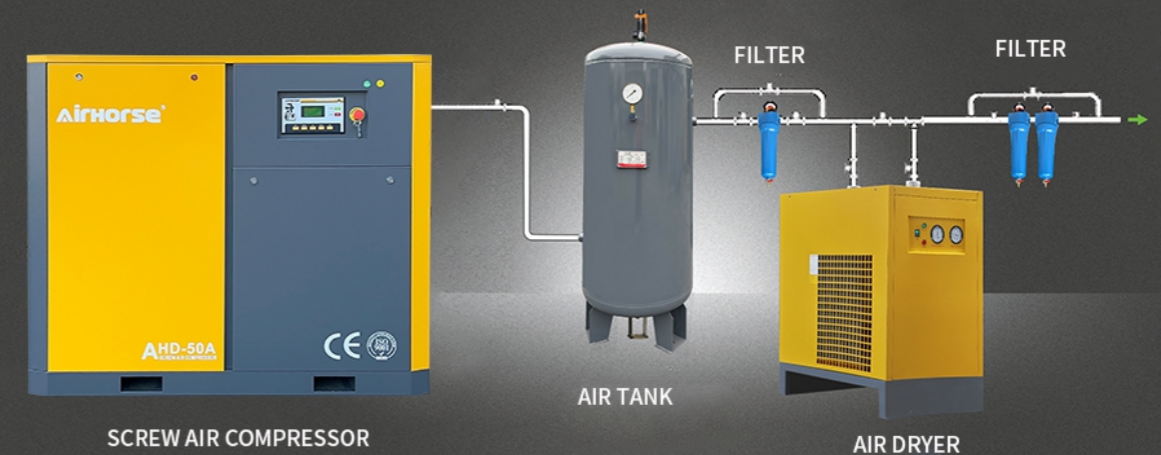
Grade A filter	Filteration impurities 3 micron, oil filtering 5PPM
Grade B filter	Filteration impurities 1 micron, oil filtering 0.5PPM
Grade C filter	Filteration impurities 0.01 micron, oil filtering 0.001PPM

PIPELINE AIR FILTER TECHNICAL PARAMETER LIST

MODEL	AH-015	AH-024	AH-035	AH-060	AH-090	AH-120	AH-150	AH-240	AH-300	AH-360	AH-450
Air flow (m ³ /min)	1.5	2.4	3.5	6.0	9.0	12	15	24	30	36	45
Connecting size	DN20	DN40	DN40	DN40	DN65	DN65	DN65	DN80	DN100	DN100	DN100
Max. pressure	10bar	10bar	10bar	10bar	10bar	10bar	10bar	10bar	10bar	10bar	10bar

MODEL	AH-015	AH-024	AH-035	AH-060	AH-090	AH-120	AH-150	AH-200
Air flow (m ³ /min)	1.5	2.4	3.5	6.0	9.0	12	15	20
Connecting size	DN25	DN25	DN40	DN40	DN50	DN50	DN65	DN65
Max. pressure	16bar	16bar	16bar	16bar	16bar	16bar	16bar	16bar

ONE-STOP SHOPPING, A COMPLETE SET OF SERVICE



Designing reasonable and economical compressor stations for customers and providing clean compressed air; providing pre-sale consultation, complete machine sales, on-site maintenance, and spare parts supply with high quality and timely service.