



GURANTEE YOUR AIR TO WORK IS
OUR COMMITMENT



AIR2WORK SDN BHD

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SCREW AIR COMPRESSOR

螺杆式空气压缩机



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智能控制系统 ——一切控制在您的掌握之中

Intelligent Control System ---Everything can be controlled by your hands

智能控制系统是DSR的标准配置也是目前压缩机领域中最先进的微处理器控制系统。最初将智能控制系统安装在压缩机上是八十年代末，随着科技的发展，我们不断对智能控制升级，确保其操作方便且质量可靠。

All the Desan compressors are equipped with Intelligent Control System, which is the most advanced microprocessor control system in the compressor field. The microprocessor control system was first installed on the compressor during 1980th. With the development of technologies, we keep upgrading our microprocessor control system to insure the convenience of operation and reliability of quality.

更多信息，更加准确

More Information, More Accuracy

智能控制器能连续地监视并精确反映空气压缩机的运行情况，并把信息显示在控制面板上，还能实现多台机组连锁控制及远程监控。而且这些信息可以通过调制解调器传送给你的售后服务人员或者可以通过承载协议方式把信息传送到你的主控系统上。

Intelligent control system can continuously monitor and precisely reveal the condition of the compressor, display the necessary information on the control panel, and even implement the multiple compressors coordinated control and remote communication. All these information can be passed to your primary control system or service department through modern system.



使用方便

Easy Control

你不必像计算机专家那样去使用智能控制器，运行信息以简单的语言而不是计算机代码显示。调整数据也轻而易举，只需用手指在面板上操作即可设定或调整所需数据，而不需要工具打开空压机。

You don't need to have the knowledge of computer experts to operate the intelligent control system. All the information is displayed with simple language instead of the complex computer codes. It is easy to change the data. There is no need to open compressor by tools anymore. All you need to do is setting the data on the control panel directly.

选用功能

Optional Function

多台机组并联时，可以相互协调运行
双向通讯，RS485通讯端口，可对机组进行远距离监控（选用）

Different compressors can be parallel connected and work coordinately.

By using both way communication and RS485 interface, the compressor set can be monitored remotely by the controllers.

MHN 产品优势及特点

MHN the advantage and superior feature



安全适用

Safety and Applicability

高强度底座、坚实箱体外壳、原装进口温控阀、不锈钢螺纹金属管及防尘系统，确保不会在高温、高压下产生渗漏或爆裂。可适用-5°C~46°C的低温、高温、高湿、风沙等恶劣工况。

With the high strength base, solid housing, high quality imported thermostat valve, strong stainless steel pipe, and well-designed anti-dust system, our compressors will not leak or crack under high temperature, high pressure, or high humidity conditions. The applicable temperatures are between -5°C to 46 °C.

超静音设计

Super Quiet Design

全封闭静音型箱式设计，箱体内侧贴有吸音泡绵，可有效吸收噪音，比同类机器噪音低3-5dB (A)，整体结构布局合理，检修极为方便。

With the closed sound insulation housing design and the interior sponge sound absorber, the noise can be insulated effectively. Our compressors are more quietly than the major competing machines for at least 3dB(A) to 5dB(A). The reasonable structure design makes the compressor easy to test and repair.



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主机 Compressor



电机 Motor

特制的低转速压缩机专用电机，SKF轴承，绝缘等级F级，确保无故障运行。效率较同类产品高3-5%。

With the tailor-made low RPM motor and the isolation rate F SKF bearings, our compressors are ensured to operate reliably and are 3% to 5% more efficient than competing machines.



油过滤器 Oil Filter

采用航空用高端材料过滤的旋装式油过滤器，效果比常规滤芯高20%，有效延长主机正常使用寿命。

Adopting the aerospace design revolving oil filter with superior materials, our oil filters show a better filtering result than other oil filters and effectively extend the service life of air-ends.



油气分离器 Oil-Air Separator

超大容量的油气分离器，品质优越的油气分离元件和气、液过滤元件，配以设计先进的三次油气分离，含油量控制在3ppm以下，保证压缩空气的高质量。

With the super high volume tank, the superior quality separator components, and the advanced design thrice oil-air separator, our compressors can ensure the high quality of the compressed air which contains less than 3ppm oil.



空气过滤器 Air Filter

采用具有较高的容尘能力和较低的流动阻力设计，可滤除空气中的微小固体颗粒，除尘效果达99.5%，确保系统的各个零部件的功能正常运行和经济的使用寿命。

By using the large dust holding and low flow resistance design, our air filters can filter the micro articles in the air to ensure every component of the system works normally and efficiently. The dust holding rate is over 99.5%.



进气阀 Air Inlet Valve

设计先进的气阀，进气调整范围0-100%，容调阀调节，压力损失小，动作稳定，寿命长。

With the advanced design, the inlet valve can be adjusted between 0 to 100%. By using the volume adjustment valve, the compressors will loss less pressure and have a longer service life.



主机 Air end

世界顶级螺杆机、高效率、低转速，转子采用第三代齿型，全球最佳的型线设计，低噪音、低耗能、低维护费用，最佳的可靠性和使用寿命。

By using the most advanced 3rd generation rotors and the optimized rotor profile from Europe, our air-ends are the best-in-class with low noise, low energy consumption, low maintenance cost, and long reliable service life.



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为您提供全套的供气设备

We provide the whole
compressed air solution for you

整套的压缩空气系统使您不必担心各种设备的匹配，当系统出现问题或需要保养维护时，您不必给不同的供货商打电话，所有的问题我们会为您解决。

压缩空气中含有各种杂质，和系统的压力损失都会影响您的用气设备正常运行。如果这些问题不能得到完善的解决，您将会遭遇各种各样的问题。

我们会为您提供一整套解决所有问题的设备以及专业的咨询服务，让您正确地选用，配置安装您的压缩空气系统设备。

With our whole set of the compressed air system, you don't need to worry about the match of the equipments. When the system is malfunction or need maintenance, you don't have to contact different supplier for different equipments. All you need to do is just contacting us and we will fix all the problems for you.

Both the impurity mix in the compressed air and the system pressure loss can affect your normal operation. If these problems can't be settled down, you will encounter all kinds of issues when operating the system.

We will provide professional consulting service and a whole set of compressed air solutions to help you choose and install the right compressed air systems.



能满足各行各业的需要！

Fulfill all the needs for varieties of industries

机器参数 Machine Specifications

AIR2WORK
COMPRESSOR

螺杆机技术参数:

MHN-		10A	15A	20A	25A	30A	30AZ	40A	50A/W	50AZ/WZ
排气量/排气压力 (m3.min-1/MPa)		1.2/0.7 1.1/0.8 0.95/1.0 0.8/1.3	1.7/0.7 1.6/0.8 1.4/1.0 1.2/1.3	2.4/0.7 2.2/0.8 2.0/1.0 1.7/1.3	3.1/0.7 2.9/0.8 2.7/1.0 2.2/1.3	3.8/0.7 3.5/0.8 - -	3.8/0.7 3.5/0.8 - -	5.2/0.7 4.3/1.0 3.7/1.3 -	6.4/0.7 5.7/1.0 5.1/1.3 -	6.4/0.7 6.1/0.8 - -
电动机 功率(KW) 马力(HP)		7.5 10	11 15	15 20	18.5 25	22 30	22 30	30 40	37 50	37 50
噪音Db(A)		66±2	68±2	68±2	69±2	69±2	69±2	69±2	70±2	70±2
出口管径 G3/4		G3/4	G3/4	G1	G1	G1	G1	G1 1/2	G1 1/2	
机组重量(KG)		186	257	272	427	440	480	512	640	685
外型尺寸 长L(mm)		680	950	950	1100	1100	1100	1100	1050	1300
宽W(mm)		650	650	650	865	865	800	865	1000	900
高H(mm)		805	835	835	1150	1150	980	1150	1330	1250

MHN-		60A/W	75A/W	75AZ/WZ	100A/W	100AZ/WZ	125A/W	125AZ/WZ	150AZ/W
排气量/排气压力 (m3.min-1/MPa)		8.0/0.7 7.7/0.8 7.0/1.0 5.8/1.3	10.5/0.7 9.8/0.8 8.7/1.0 7.5/1.3	10.5/0.7 9.8/0.8 - -	13.6/0.7 13.3/0.8 11.6/1.0 9.8/1.3	13.6/0.7 13.3/0.8 - -	16.3/0.7 16.0/0.8 14.6/1.0 12.3/1.3	16.3/0.7 16.0/0.8 14.6/1.0 12.3/1.3	20.8/0.7 20.6/0.8 17.0/1.0 14.2/1.3
电动机 功率(KW) 马力(HP)		45 60	55 75	55 75	75 100	75 100	90 125	90 125	110 150
噪音Db(A)		72±2	73±2	73±2	75±2	75±2	75±2	75±2	75±2
出口管径 G1 1/2		G2	G2	G2	G2	G2	G2	G2	DN65
机组重量(KG)		820	1300	1350	1350	1400	1600	1700	2500
外型尺寸 长L(mm)		1200	1500	1650	1550	1650	1700	2000	2380
宽W(mm)		1000	1150	1170	1270	1250	1550	1200	1650
高H(mm)		1420	1460	1440	1520	1500	1600	1600	1900

MHN-		180AZ/WZ	220AZ/WZ	250AZ/WZ	300AZ/WZ	340AZ/WZ	420AZ/WZ	480AZ/WZ	540AZ/WZ
排气量/排气压力 (M3.min-1/MPa)		24.8/0.7 24.0/0.8 20.6/1.0 16.5/1.3	28.5/0.7 27.0/0.8 23.2/1.0 19.7/1.3	32.5/0.7 30.2/0.8 27.0/1.0 22.5/1.3	38.6/0.7 36.4/0.8 33.1/1.0 30.5/1.3	43.9/0.7 42.5/0.8 38.8/1.0 34.6/1.3	58.2/0.7 55.6/0.8 49.0/1.0 43.0/1.3	68.2/0.7 65.0/0.8 57.6/1.0 49.0/1.3	75.0/0.7 72.0/0.8 62.0/1.0 56.5/1.3
电动机 功率(KW) 马力(HP)		132 180	160 220	185 250	220 300	250 340	315 420	355 480	400 540
噪音Db(A)		75±2	75±2	78±2	78±2	78±2	80±2	82±2	83±2
出口管径 DN65		DN80	DN80	DN100	DN100	DN100	DN125	DN125	DN150
机组重量(KG)		2600	3150	3330	4300	4600	6500	7000	7500
外型尺寸 长L(mm)		2380	3000	3000	3000	3000	3800	3800	4200
宽W(mm)		1650	1800	1800	1980	1980	2280	2280	2200
高H(mm)		1900	2050	2050	1900	1900	2248	2248	2350

- For special exhaust pressure (max of 15 bar), please contact us directly
- we constantly upgrade our compressors and keep the rights to adjust the design. We apologize if we can't inform you in time.