



BOOSTER AND MEDIUM PRESSURE
PISTON AIR COMPRESSOR

增压机 & 中压机

Airhorse[®]
艾玛压缩机

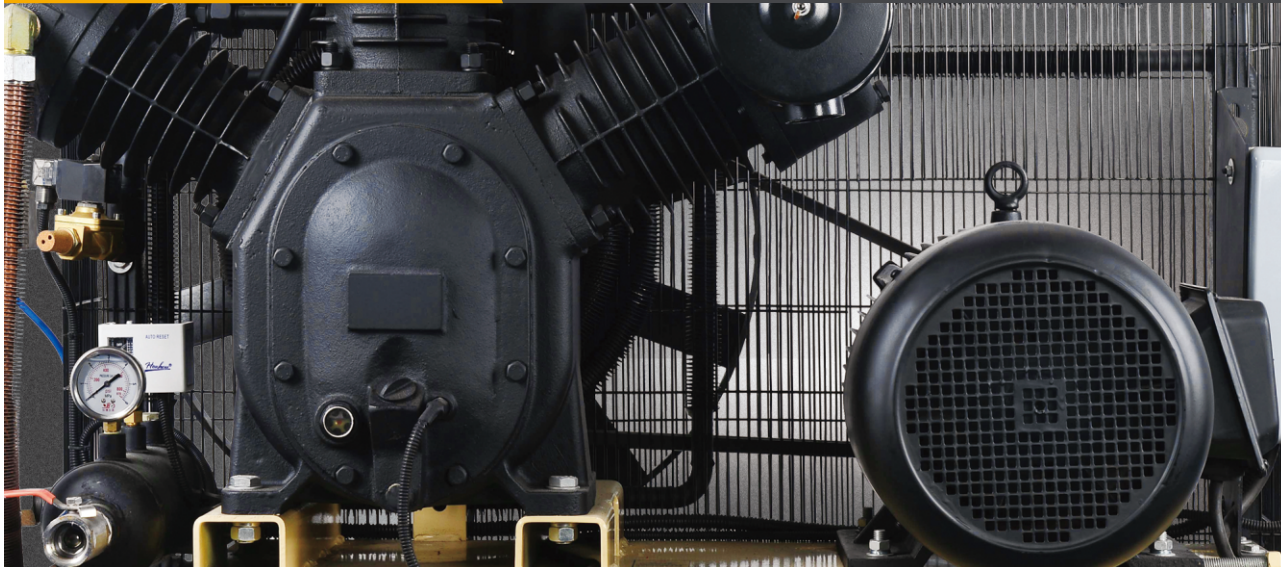


广州艾玛压缩机有限公司
GUANGZHOU AIRHORSE COMPRESSOR CO.,LTD



高压机系列特点

FEATURES OF HIGH PRESSURE PISTON AIR COMPRESSOR SERIES



W型三列三级压缩，效率更高，
活塞力更小，占地面积更少。



W-type three-row three-stage compression has higher efficiency, smaller piston force and less floor space.

All three stages are double-acting cylinders. Each stage is equipped with at least two sets of intake and exhaust valves to avoid downtime due to failure of a single valve. The mechanical loss is small, the pressure difference is small, and the air leakage during compression is smaller. The operating temperature of all levels is reduced, energy is saved, and the service life of wearing parts is increased.

三级均为双作用气缸每级配备最少2组进排气阀，避免因单个阀失效而造成停机，机械损失少，压差小，压缩工作时气体泄漏更小。各级的运行温度降低，节约能源，增加易损件的使用寿命。

经各种工艺处理的锻钢曲轴，锥形的端部，使带轮的安装与拆卸更简单。



The forged steel crankshaft processed by various processes and the tapered end make the installation and disassembly of the pulley easier.

Stainless steel valve body and pressure valve cover are not easy to rust and are easy to disassemble and assemble. Choose the Imported PEEK valve plate, will have lower noise and better sealing performance.

不锈钢阀体与压阀罩，不易生锈，方便拆装。选用进口PEEK阀片，噪音更小，密封性更好。

更加合理的水室设计，使气阀、活塞、填料盒工作温度更低，大大提高了易损件的使用寿命。



A more reasonable water chamber design makes the air valve, piston, and stuffing box work at a lower temperature, and greatly improves the service life of wearing parts.

高压机系列特点

FEATURES OF HIGH PRESSURE PISTON AIR COMPRESSOR SERIES



进口材料的活塞环与填料，
辅以优秀设计与加工，
使摩擦更小，泄漏更少。



The piston ring and packing of imported materials, supplemented by excellent design and processing, make the friction smaller and the leakage less.

Aluminum alloy and stainless steel pistons, special design and precision machining, longer life.



铝合金和不锈钢活塞，采用特殊设计与精密加工，寿命更长。

采用自动调芯滚子轴承，
无须进行调节，寿命更长。



Using self-aligning roller bearings, no need to adjust, and have longer life.

The special material for oil scraping ring and the excellently designed oil scraping body make the oil scraping effect better and longer service life.



特殊材料的刮油环与优秀设计的刮油体，使刮油效果更好，使用寿命更长。

美标带轮，配以进口 Optibelt 皮带，效率更高，使用寿命更长。



American standard pulley, equipped with imported Optibelt belt, have higher efficiency and longer service life.

Precisely machined connecting rod, equipped with special imported material bearing shell, no need to adjust the gap, the friction coefficient is lower.



精密加工的连杆，配以特殊进口材料的轴瓦，不用进行间隙调节，摩擦系数更低。

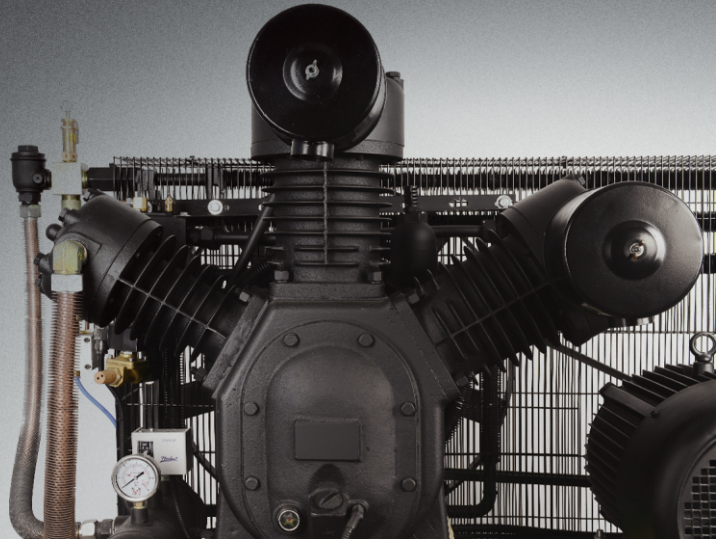
增压机 & 中压机

增压型空压机

SUPERCHARGED AIR COMPRESSOR

3.0-5.0 Mpa

1.0 MPa



增压型空压机是大流量中压空气系统的解决方案。能将用户 1.0MPa 的气源增压至 3.0-5.0 Mpa（处理流量可达 40.0m³/min）。其低、中压系统互相独立，组合方便，且运行经济可靠。

Supercharged air compressor is a solution for large flow and medium pressure air system.

It can pressurize the user's 1.0MPa air source to 3.0-5.0 Mpa (processing flow up to 40.0m³/min). Its low and medium voltage systems are independent of each other, easy to combine, and reliable in operation.

吹瓶空压机的种类很多，按工作原理可分为活塞式压缩机，螺杆式压缩机，离心式压缩机。容积式压缩机的工作原理是压缩气体的体积，使单位体积内气体分子的密度增加以提高压缩空气的压力；螺杆式压缩机的工作原理是双螺杆压缩，使气体在双螺杆压缩机腔内具有的动能转化为气体的压力能，从而提高压缩空气的压力。离心压缩机是利用叶轮高速旋转，使气体在高速离心状况下转化成气体动能，从而提供压缩空气的压力。

There are many types of blowing air compressors, according to their working principles, can be divided into piston compressors, screw compressors, and centrifugal compressors. The working principle of a positive displacement compressor is to compress the volume of air, which increases the density of air molecules per unit volume to increase the pressure of the compressed air, the working principle of a screw compressor is twin screw compression, so that the air is in the cavity of the twin screw compressor The kinetic energy is converted into the pressure energy of the air, thereby increasing the pressure of the compressed air. The centrifugal compressor uses the high-speed rotation of the impeller to convert the gas into the kinetic energy of the gas under the high-speed centrifugal condition, thereby providing the pressure of the compressed air.

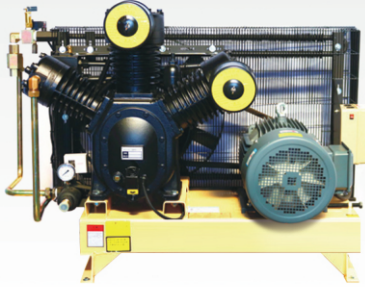
吹瓶空压机是吹瓶机气源装置中的主体，它是将原动机(通常是电动机)的机械能转换成气体压力能的装置，是压缩空气后吹瓶机专用的气压发生装置。

The PET air compressor is the main body of the air source device of the bottle blowing machine. It is a device that converts the mechanical energy of the prime mover (usually an electric motor) into gas pressure energy. It is dedicated to the bottle blowing machine after compressed air Air pressure generating device.

BOOSTER AND MEDIUM PRESSURE PISTON AIR COMPRESSOR

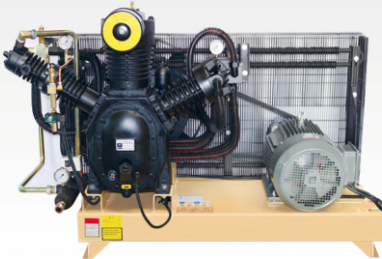
常规风冷型30公斤高压系列

CONVENTIONAL AIR-COOLED HIGH PRESSURE-30KG SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWH1030	11	3	1.0	1600×850×1250	450
	AWH1230	15	3	1.2	1600×850×1240	460
	AWH1630	18.5	3	1.6	1610×960×1230	510
	AWH2030	22	3	2.0	1600×850×1250	650
	2*AWH1230	2*15	3	2.4	1800×1750×1250	1000
	2*AWH1630	2*18.5	3	3.2	1900×1900×1150	1100
	2*AWH2030	2*22	3	4.0	2000×1000×2100	1500
	3*AWH2030	3*22	3	6.0	3600×1000×1800	2300


常规风冷型40公斤高压系列

CONVENTIONAL AIR-COOLED HIGH PRESSURE-40KG SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWH1040	15	4	1.0	1600×900×1250	680
	AWH2040	22	4	2.0	1800×950×1360	780
	2*AWH4040	2*22	4	4.0	2400×1000×1800	1560
	3*AWH6040	3*22	4	6.0	3600×1000×1800	2100
	4*AWH8040	4*22	4	8.0	4800×1000×1800	3150

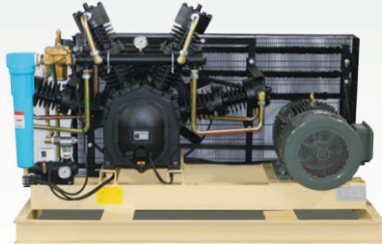
高端水冷型30公斤高压系列

HIGH-END WATER-COOLED HIGH PRESSURE-30KG SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWS1330	15	3	1.3	1700×800×1250	550
	AWS1630	18.5	3	1.6	1800×950×1300	700
	AWS2030	22	3	2.0	1800×950×1300	750
	4*AWS2030	4*22	3	8.0	4800×1050×1850	3320

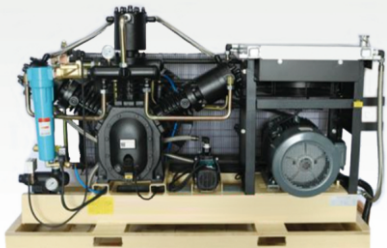
常规风冷型30-40公斤增压机系列

CONVENTIONAL AIR-COOLED 30-40 KG BOOSTER SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWZ2030	15	3	2.0	1500×800×1250	450
	AWZ4040	18.5	4	4.0	1800×850×1500	650
	AWZ6040	22	4	6.0	2100×1000×1560	800
	AWZ8040	30	4	8.0	2100×1000×1650	1000
	2*AWZ6040	2*22	4	12.0	2000×1000×2100	1550
	3*AWZ6040	3*22	4	18.0	2500×1000×1800	2250
	4*AWZ6040	4*22	4	24.0	3250×1000×1800	3250
	4*AWZ8040	4*30	4	32.0	4150×1000×1850	4130

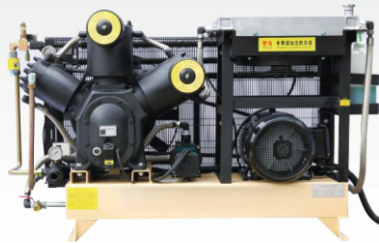
高端水冷型40公斤增压机系列

HIGH-END WATER-COOLED 40 KG BOOSTER SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWZ6041	22	4	6.0	2000×1000×1560	900
	AWZ8041	30	4	8.0	2100×1000×1660	1000

高端水冷型40公斤高压系列

HIGH-END WATER-COOLED HIGH PRESSURE-40KG SERIES

	型号 Model	功率 Power (KW)	压力 Pressure (Mpa)	排气量 Air Flow (m ³ /min)	尺寸 / Size L*W*H (mm)	重量 Weight (kg)
	AWS1040	15	4	1.0	1800×950×1300	800
	AWS2040	22	4	2.0	2000×1000×1560	1050

特别适用于

INDUSTRY

水电
Hydropower

PET吹瓶
PET Bottle
Blowing

检漏
Leak
Detection

激光切割
Laser
Cutting

军工等领域
Military Industry
and Other Fields

阀片材料采用瑞典不锈钢带制成。

采用冗余设计原则设置多重保护措施: 卸荷、停机时排水、排气、保证零压启动。定时排水阀, 每次排水时间及排水间隔时间均可调节, 确保空压机长时间连续运行时级间定时排水, 有效防止积水过多, 发生液击事故。

低排气温度(排气压力7.0Mpa时, 排水温度 $\leq 170^{\circ}\text{C}$, 经后冷却器处理的出口温度仅高于环境温度 $10^{\circ}\text{C}-20^{\circ}\text{C}$), 每小时油耗小于0.143克/KW。

可靠性高, 维修周期长; 油耗极低(省油), 能耗低(省电)等特点, 大大降低了整体的综合性运行成本。

Valve disc material is made of Swedish stainless steel belt.

The principle of redundant design is adopted to set up multiple protection measures: Unloading, draining during shutdown, exhausting, and ensuring zero-pressure start. Timing drain valve, each drain time and drain interval time can be adjusted to ensure that the air compressor is continuously running for a long time between stages to drain regularly, effectively preventing excessive water accumulation and liquid hammer accidents.

Low discharge temperature (the discharge temperature is less than 170°C when the discharge pressure is 7.0Mpa, after it is treated by the sub-cooler, the discharge temperature at the outlet is only 15°C to 20°C higher than the ambient temperature), and the fuel consumption per hour is less than 0.143 g/KW.

High reliability, long maintenance cycle; extremely low fuel consumption (fuel saving), low energy consumption (power saving) and other characteristics, greatly reducing the overall comprehensive operating cost.





目前艾玛压缩机有限公司销售和服务网络在中国划分了华东、华南、华西、华北和东北五个大区域，200多家网点。在主要城市都设立了办事机构,并有优秀的服务人员为您提供优质、快捷的服务。

AirHorse Compressor Co., Ltd. Sales and service network in China is divided into east China, south China, Hwaseo, north China and northeast five large regions, more than 200 outlets. In the main cities have set up offices, and have excellent service staff to provide you with quality, fast service.

AirHorse® 艾玛

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