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**格林重工**

**XIAMEN GREENAIR PRECISION MACHINERY CO.,LTD**

**厦门格林柯尔精密机械有限公司**

**螺旋式空压机产品型录**

**ROTARY SCREW AIR COMPRESSOR PRODUCT CATALOG**



**可靠、高效、节能、环保**

Reliability, Highly efficiency,  
Energy conservation, Environmental protection  
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# 一级压缩微油螺旋式空压机GA7-GA90系列

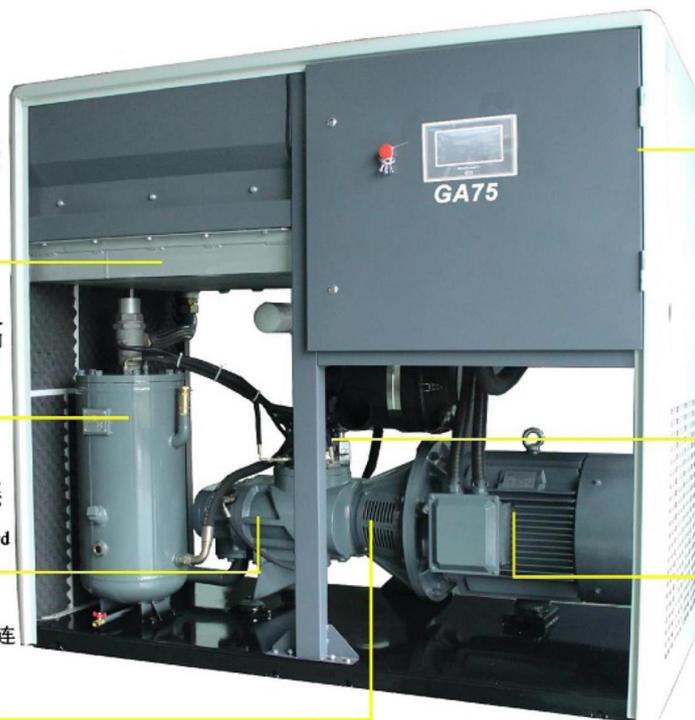
## One-stage Oil Less Rotary Screw Air Compressor GA7-GA90

按照非洲热带沙漠55℃高温环境设计的高效冷却系统，能够完全适应不同的运行环境，不会出现由于机组运行过热或环境温度过高而故障停机。  
Highly-efficient cooling system, designed for tropical area where environmental temperature reaches 55℃

专利设计的分离器：三重分离能使设备中的含油量降到≤2ppm，并可减少冷却剂的补给次数。  
Triple stages of separator can effectively reduce the oil content to less than 2ppm.

比利时主机：5:6专利设计的转子线型，保证了高效运行、达到欧洲一级能效标准，有效降低了碳排放。  
Patented design of ratio 5:6, meeting the standard of European energy label class I.

一体化的传动系统：无齿轮变速，1:1直连传动，最理想的运动系统，无任何损耗。  
1:1 direct drive, shift without gear, the perfect motor system.



全球最先进的智能控制系统，最大限度地促进了人机和谐。  
The most advanced smart control system.

独特的冷热分区设计，确保高效进气效率，有效地提高了空压机的排气量。  
special separation design of the cooling and heating system, ensuring the high efficiency and improving the capacity of air compressor.

高效的空压机专用电机，确保用户24小时无故障运行。  
The high-efficiency specialized compressor motor guarantees the operation round the clock.

### GA7-GA90主要性能参数（流量为进气口实测数值）

#### Main data of GA7-GA90 (capacity is the measured inlet data.)

型号 Model	流量 Capacity	工作压力 Working pressure	电机功率 Motor power	重量 Weight	外形尺寸 Dimension	出口管径尺寸 Size of Outlet
	m <sup>3</sup> /min	bar(e)	kW/HP	kg	mm	
GA7-8.0	1.20	8.0	7.5/10	400	1000*700*1220	G¾"
	1.00	10				
	0.80	13				
GA11-8.0	2.00	8.0	11/15	500	1200*750*1400	G¾"
	1.80	10				
	1.60	13				
GA15-8.0	2.88	8.0	15/20	650	1250*750*1400	G¾"
	2.41	10				
	2.02	13				
GA22-8.0	3.97	8.0	22/30	750	1250*750*1400	G1"
	3.43	10				
	3.02	13				
GA30-8.0	5.20	8.0	30/40	950	1650*850*1650	G1½"
	4.72	10				
	4.29	13				
GA37-8.0	6.70	8.0	37/50	1050	1650*850*1650	G1½"
	6.08	10				
	4.88	13				
GA45-8.0	8.24	8.0	45/60	1350	1650*850*1650	G1½"
	7.40	10				
	6.20	13				
GA55-8.0	10.52	8.0	55/75	1550	1850*1050*1800	G2"
	8.90	10				
	8.00	13				
GA75-8.0	14.36	8.0	75/100	1750	2050*1050*1850	G2"
	12.02	10				
	10.34	13				
GA90-8.0	16.20	8.0	90/125	2050	2050*1050*1850	G2"
	14.52	10				
	12.60	13				

\*性能参数根据ISO1217, Ed3, Annex C-1996测定。Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况：进口绝压1bar，进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customization

**含油量低的优质空气**

三重油气分离（离心、重力、过滤）

含油量：≤2ppm

High quality air with less oil mixture.

triple-stage oil separating system(centrifugation, gravity and filter)

oil content: ≤2ppm

**简便高效的调节系统**

加载/卸载可靠高效，连续调节控制系统，最大限度降低能耗

活动件少，维护工作量少

尺寸大，降压小

Simple and efficient regulation system

Efficient and reliable control of loading and unloading, continuous control

system, few moving parts, little maintenance, large diameter air inlet and low air pressure drop.

**优质的主机轴承**

使用原装进口SKF轴承，适应不断变化的工况，增加转子的使用寿命。

High quality bearings

Using the original imported SKF bearings, adapting to the constant changing load condition, prolonging the life of rotor.

**电机和主机永久对中**

GA系列压缩机的主机，联轴器箱，主机结合为一体，保证在运输\安装和运行时主机和电机永久对中。

Motor and air end permanently direct in line.

The motor, the coupling and the air end of GA series integrate as a whole. This kind of design ensures the air end and motor permanently direct in line while transportation, installation and operation.

**GA110-GA355主要性能参数（流量为进气口实测数值）****Main data of GA110-GA355(capacity is the measured inlet data)**

型号 Model	工作压力 Working pressure	电机功率 Motor power		流量 Capacity		重量 Weight	外形尺寸 Dimension
	bar(e)	kW	HP	L/S	m <sup>3</sup> /min	kg	
GA110-8.0	8.0	110	150	366	22.0	2515	2779*1600*1990
GA110-10	10			318	19.1		
GA110-13	13			258	15.5		
GA132-8.0	8.0	132	175	433	26.0	3025	2779*1886*1990
GA132-10	10			366	22.0		
GA132-13	13			313	18.8		
GA160-8.0	8.0	160	215	505	30.3	3225	2779*1886*1990
GA160-10	10			443	26.6		
GA160-13	13			375	22.5		
GA200-8.0	8.0	200	270	633	38.0	4727	3386*2120*2400
GA200-10	10			533	36.0		
GA200-13	13			468	28.1		
GA250-8.0	8.0	250	335	762	45.7	5017	3386*2120*2400
GA250-10	10			663	39.8		
GA250-13	13			550	33.0		
GA315-8.0	8.0	315	430	933	56.0	6625	3860*2200*2400
GA315-10	10			846	50.8		
GA315-13	13			762	45.7		
GA355-8.0	8.0	355	485	1092	65.5	7600	4200*2200*2400
GA355-10	10			920	55.2		
GA355-13	13			827	49.6		

\*性能参数根据ISO1217, Ed3, Annex C-1996测定。Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况：进口绝压1bar，进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customization

## 激光切割专用螺杆式工变两用空压机

## Screw Air Compressor for Laser Cutting Machine



- 全能集成式螺杆空压机，将空压机、储气罐、冷冻式干燥机、精密过滤器集成于一体，占地小，用户无需安装连接管路，移动方便，操作简单。

All in one type screw air compressor makes the air compressor, tank, refrigerant air dryer and compressed filters all in one, less space taking, installation free, easy move and operation.

- 为激光切割机特殊工作压力专业设计定制的双螺杆主机，16bar工况下可以长期运行。

Special design of the air end guarantees the compressor continuous running at pressure 16bar for laser cutting machine.

- 工频与变频双系统设计，变频器故障时，空压机仍可实现24小时运行不停机。

Under the design of both fixed speed and variable speed modes, compressor can run at 24 hours without stop in the case of the inverter failure.

- 配备高效冷干机与精密过滤器，出气口压缩空气不含水，含油量降至0.01ppm.

By the high efficient refrigerant air dryer and compressed filters, the outlet compressed air is without water, oil content only 0.01ppm.

## 主要性能参数（流量为进气口实测数值）

## Main data (capacity measured according to inlet data)

型号 Model	流量 Capacity m <sup>3</sup> /min	工作压力 Working pressure bar	电机功率 Motor power kW/HP	重量 Weight kg	出口管径尺寸 Size of outlet
GA7VSD	0.6	16	7.5/10	450	G $\frac{3}{4}$ "
GA11VSD	0.9	16	11/15	580	G $\frac{3}{4}$ "
GA15VSD	1.2	16	15/20	680	G1"
GA22VSD	2.2	16	22/30	780	G1"

其他规格接受定制  
Accept customerization

## 一级压缩永磁变频分体式微油螺旋式空压机GM系列

One-stage Permanent Magnet VSD Oil Less Rotary Screw Air Compressor GM Series

**加长进气管道, 进口滤纸**

加长进气管道有效降低噪音;进口滤纸,避免空气中99.9%颗粒吸入压缩主机,影响服务寿命。

Maximumly reduce the noise with the lengthening the inlet pipeline; the imported element paper, avoiding 99.9% particles of the air into the air end.

**双螺杆高效主机**

大转子设计,气量大,配原装SKF轴承,超长服务寿命。

Double screw highly efficient air end

Design of large rotor, larger compressed capacity, longer service life with imported SKF bearings.

**分体式设计**

最先进的主机与电机分体式设计,维护方便,免除后顾之忧。

The most advanced split type design, the air end and motor are connected by the coupling, free from the trouble of maintenance.

**永磁变频专用电机**

采用稀土永磁特殊材料制造,磁强度大,启动及运行的过载转矩大,电流小;

特殊永磁体结合特殊的转子结构设计,较同规格的异步电动机效率提升10%-15%;

低温升设计,电机温升<60K,使用寿命与使用系数大大提高;

配合永磁驱动器运行实现了变频软启动,避免了机器设备在电机全压启动时的强力

机械冲击,有利于延长机器设备的使用寿命,减少维护、提高设备的可靠性;综合

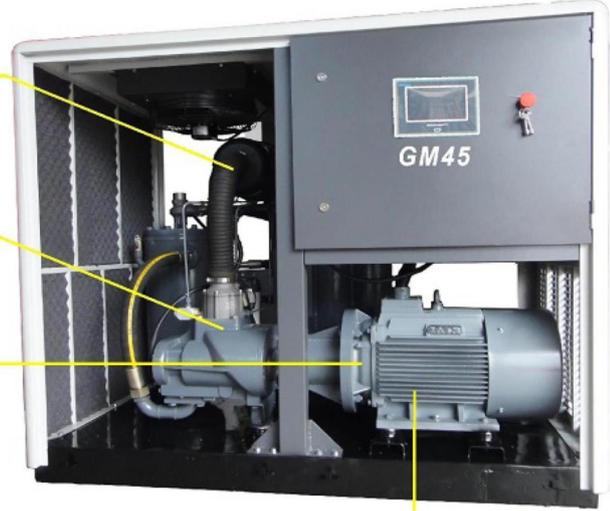
省电可达50%。

The motor is made of the special material of rare-earth permanent magnet, strong magnetic field, large overload torque and small current while starting and operation.

The special rare-earth permanent magnet with the special design of the rotor, makes the efficiency of the motor 10%-15% higher than the same horsepower induction motor.

Design of the lower temperature, the raise temperature of the motor <60K, greatly improves the service life and service factor.

Soft starter by the inverter, avoiding the strong mechanical shock while starting, prolonging the life of machine, reducing the maintenance, improving the reliability. Average energy saving 50%.

**GM22-GM250主要性能参数 (流量为进气口实测数值)****Main data of GM22-GM250 (capacity is the measured inlet data.)**

型号 Model	工作压力 Working pressure	电机功率 Motor power		流量 Capacity	重量 Weight	出口管径尺寸 Size of Outlet
	bar(e)	kW	HP	m <sup>3</sup> / min	kg	
GM22	13	22	30	0.7-4.02	750	G1"
GM30	13	30	40	1.16-5.5	950	G1"
GM37	13	37	50	1.54-6.7	1250	G1½"
GM45	13	45	60	1.54-8.04	1450	G1½"
GM55	13	55	75	1.54-10.5	1650	G2"
GM75	13	75	100	2.52-15.0	1950	G2"
GM90	13	90	125	2.52-16.0	2350	G2"
GM110	13	110	150	3.77-22.0	2615	G3"
GM132	13	132	175	3.77-26.0	3125	G3"
GM160	13	160	215	4.0-30.3	3425	G4"
GM200	13	200	270	10.0-38.0	4827	G4"
GM250	13	250	335	10.0-45.7	5117	G4"

\*性能参数根据ISO1217, Ed3, Annex C-1996测定. Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况: 进口绝压1bar, 进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customization

**可选配后倾式离心风机**

后倾式离心风机，风量大，运行时无摩擦，噪声低且不易沾灰尘，维护极其方便。

Option of backward centrifugal fan

Backward centrifugal fan, large air flow, friction-free, dust free, easy maintenance.

**二级压缩高效主机**

合理分配压缩比，优化轴承设计，轴承寿命 $\geq 150000$ 小时。

低噪音，低振动，更高可靠性。

二级压缩降低了单级压缩比，减少内泄漏，提高容积效率，降低轴承负载，提高主机寿命。

Two-stage energy saving air end.

Reasonable distribution of the compression ratio, optimized design of bearings, service life of bearings  $\geq 150000$  hours.

Low noise, low vibration, more reliability.

Reducing the separate compression ratio, lessening the internal leakage, improving the efficiency of the capacity, lowering the loading of bearings, prolonging the service life of the air end.

**永磁变频专用电机**

采用稀土永磁特殊材料制造，磁强度大，启动及运行的过载转矩大，电流小；

特殊永磁体结合特殊的转子结构设计，较同规格的异步电动机效率提升10%-15%；

低温升设计，电机温升 $< 60K$ ，使用寿命与使用系数大大提高；

配合永磁驱动器运行实现了变频软启动，避免了机器设备在电机全压启动时的强力机械冲击，有利于延长机器设备的使用寿命，减少维护、提高设备的可靠性；综合省电可达50%。

The motor is made of the special material of rare-earth permanent magnet, strong magnetic field, large overload torque and small current while starting and operation.

The special rare-earth permanent magnet with the special design of the rotor, makes the efficiency of the motor 10%-15% higher than the same horsepower induction motor.

Design of the lower temperature, the raise temperature of the motor  $< 60K$ , greatly improves the service life and service factor.

Soft starter by the inverter, avoiding the strong mechanical shock while starting, prolonging the life of machine, reducing the maintenance, improving the reliability. Average energy saving 50%.

**GM22+-GM250+主要性能参数（流量为进气口实测数值）****Main data of GM22+-GM250+ (capacity is the measured inlet data.)**

型号 Model	工作压力 Working pressure	电机功率 Motor power		流量 Capacity	重量 Weight	出口管径尺寸 Size of Outlet
	bar(e)	kW	HP	m <sup>3</sup> /min	kg	
GM22+	13	22	30	0.7-4.15	780	G1"
GM30+	13	30	40	1.16-6.4	980	G1"
GM37+	13	37	50	1.54-7.25	1350	G1½"
GM45+	13	45	60	1.54-9.7	1550	G1½"
GM55+	13	55	75	1.54-12.5	1750	G2"
GM75+	13	75	100	2.52-16.5	2100	G2"
GM90+	13	90	125	2.52-20.5	2500	G2"
GM110+	13	110	150	3.77-24.5	2850	G3"
GM132+	13	132	175	3.77-28.0	3350	G3"
GM160+	13	160	215	4.0-33.6	3750	G4"
GM200+	13	200	270	10.0-43.0	5050	G4"
GM250+	13	250	335	10.0-54.0	5450	G4"

GA+VSD系列参数同以上GM+系列相同，不同之处在于GA+VSD配置高效异步电机，GM+配置永磁同步电机。

The Main data of GA+VSD series is the same as GM+ series, the only difference lies in the motor, GA+VSD with high efficient asynchronous motor, GM+ with the PM synchronous motor.

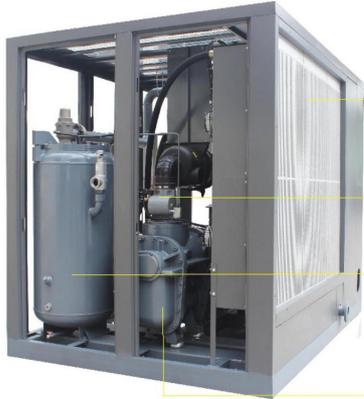
\*性能参数根据ISO1217, Ed3, Annex C-1996测定。Performance data according to ISO1217, Ed3, Annex C-1996.

基准工况：进口绝压1bar，进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customization

# 二级压缩螺杆式空压机 GA+ 系列

## Two-stage Rotary Screw Air Compressor GA+ Series



**冷却器侧置，专为热带地区设计**  
加大配置的高效冷却系统，帮热带地区用户免除高温停机之忧。  
Cooler on the side, designed for the users in tropical area, free from the failure of overheating.

**专利设计进气阀**  
下沉式重力感应止回阀，有效防止主机制喷油，最大程度降低进气阻力损失。  
Patented design of inlet valve  
Sinking gravity sensor oil stop valve, effectively stops the oil reverse and largely reduces the inlet obstruction loss.

**进口高分子滤材**  
内置高效油网分离滤芯，采用进口高分子材料，寿命可达4000-8000小时。  
Mounted-in air oil separator element, made of the imported macromolecule material, service life last from 4000 to 8000 hours.

**二级节能压缩主机**  
二级压缩效率远高于单级压缩。二级压缩主机将一级压缩转子和次级压缩转子组合在一个机壳内，并分别通过前后齿轮直接传动，使每级转子在运行时都能获得与气量匹配的最佳线速度。与单级压缩相比，同等功率的二级压缩主机可节约12-15%气量。  
Two-stage energy saving air end. The efficiency of two stages is higher than single stage. The first stage and the second stage are assembled in the same enclosure, separately driving through the front gear. Thus every stage rotor can match the best line speed of the compressed capacity. Compared with the single stage with the same horsepower, the capacity of two stage is higher by 12%-15%.

GA22+-GA90+主要性能参数（流量为进气口实测数值）  
Main data of GA22+-GA90+(capacity is the measured inlet data.)

型号 Model	流量 Capacity	工作压力 Working pressure	电机功率 Motor power	重量 Weight	外形尺寸 Dimension	出口管径尺寸 Size of Outlet
	m <sup>3</sup> /min	bar(e)	kW/HP	kg	mm	
GA22+-8.0	4.15	8.0	22/30	780	1300*750*1400	G1"
	-10	3.50				
	-13	3.20				
GA30+-8.0	6.40	8.0	30/40	980	1650*850*1650	G1½"
	-10	4.90				
	-13	4.20				
GA37+-8.0	7.25	8.0	37/50	1080	1850*850*1650	G1½"
	-10	6.30				
	-13	5.40				
GA45+-8.0	9.70	8.0	45/60	1550	1650*850*1650	G1½"
	-10	7.80				
	-13	6.50				
GA55+-8.0	12.50	8.0	55/75	2180	1850*1050*1800	G2"
	-10	9.80				
	-13	8.60				
GA75+-8.0	16.50	8.0	75/100	2280	2050*1050*1850	G2"
	-10	12.50				
	-13	11.20				
GA90+-8.0	20.50	8.0	90/125	3200	2050*1050*1850	G2"
	-10	16.90				
	-13	14.30				

\*性能参数根据ISO1217, Ed3, Annex C-1996确定。Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况：进口绝压1bar, 进口温度20℃。Inlet pressure: 1bar Inlet temperature: 20℃

**智能化控制**  
RS485通讯接口，可实现计算机远程通讯控制以及空压机多台联控。  
Communication Interface RS485 makes the distant control and joint control of multiple sets compressors come true.

**软启动柜**  
软启动柜，可大大降低电机启动时的瞬间电流，起到对电机以及空压机其他部件的保护作用，减少机器负荷以及磨损。  
Option of the soft starter cabinet, greatly lowers the transient current of the motor while launching, protecting the motor and other parts of the compressor, lessening the loading and friction.

**四级驱动电机**  
四级电机转速仅为1480RPM, 低转速，低噪音，启动电流小，力矩大，运行更平稳。  
The rotor speed of four-pole driving motor only 1480RPM, lower speed, lower noise, smaller starting current, larger moment, more stability.

**高效专业油滤**  
专业去除油液杂质，减少空压机磨损，提高使用寿命。  
Specialized spin-on oil filter, effectively removing the impurity of lubricant, lessening the abrasion of the compressor, improving service life.



GA110+-GA355+主要性能参数（流量为进气口实测数值）  
Main data of GA110+-GA355+(capacity is the measured inlet data)

型号 Model	流量 Capacity	工作压力 Working pressure	电机功率 Motor power	重量 Weight	外形尺寸 Dimension	出口管径尺寸 Size of Outlet
	m <sup>3</sup> /min	bar(e)	kW/HP	kg	mm	
GA110+-8.0	24.50	8.0	110/150	3380	2800*1680*1880	DN65
	-10	19.70				
	-13	17.60				
GA132+-8.0	28.00	8.0	132/175	3450	2600*1660*1880	DN80
	-10	23.50				
	-13	19.80				
GA160+-8.0	33.60	8.0	160/215	3850	2880*1780*2000	DN80
	-10	30.00				
	-13	23.80				
GA200+-8.0	43.00	8.0	200/270	5890	3200*1780*2000	DN80
	-10	38.50				
	-13	32.80				
GA250+-8.0	54.00	8.0	250/335	6800	3400*2120*2200	DN100
	-10	46.00				
	-13	40.00				
GA315+-8.0	67.50	8.0	315/430	7800	3850*2050*2120	DN125
	-10	61.00				
	-13	58.59				
GA355+-8.0	69.20	8.0	355/485	8600	3850*2050*2120	DN125
	-10	63.34				
	-13	60.61				

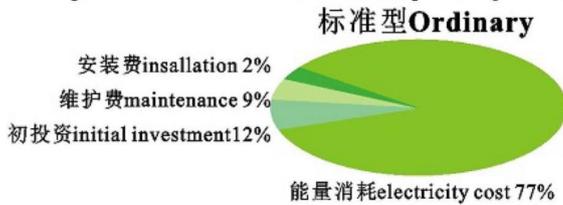
\*其他规格按定制  
Accept customization

## 一级压缩变频调速微油螺旋式空压机GAVSD系列

One-stage Variable Speed Oil Less Rotary Screw Air Compressor GAVSD Series



- 根据严格的EMC标准:使用高效的PWM变频器,减低谐波失真和电机的电能损失。  
Strictly comply with the standards of EMC: highly-efficient PWM inverter, reducing the harmonic distortion and energy consumption.
- 最佳节能无压力波动:集团开发的变频调速GAVSD压缩机,可以根据压缩空气需求量的变动,精确地改变其驱动电机转速,既可以达到最佳节能效果,又将压力变动维持在±0.1bar之内,保持恒压输出。  
Best energy conversation and stable discharge pressure: developed by our group, the rotary speed of motor auto adjusted according to the air demand, obtaining the best energy-saving achievements, keeping the discharge pressure fluctuation between ±0.1bar.
- 运行平衡,寿命延长:软启动,没有峰值电流,无齿轮箱,减少机械应力,使压缩机运转更加平稳,寿命延长。  
stable performance: Soft starter, no current peak, no gear box, decreasing the mechanical stress, more stable operation and longer service life.



## GA7VSD-GA250VSD主要性能参数(流量为进气口实测数值)

Main data of GA7VSD-GA250VSD(capacity is the measured inlet data.)

型号 Model	工作压力 Working pressure	电机功率 Motor power		流量 Capacity	重量 Weight	出口管径尺寸 Size of Outlet
	bar(e)	kW	HP	m <sup>3</sup> /min	kg	
GA7VSD	13	7	10	0.3-1.2	450	G¾"
GA11VSD	13	11	15	0.3-2.0	550	G¾"
GA15VSD	13	15	20	0.5-2.8	650	G1"
GA22VSD	13	22	30	0.7-4.02	750	G1"
GA30VSD	13	30	40	1.16-5.5	950	G1"
GA37VSD	13	37	50	1.54-6.70	1250	G1½"
GA45VSD	13	45	60	1.54-8.04	1450	G1½"
GA55VSD	13	55	75	1.54-10.5	1650	G2"
GA75VSD	13	75	100	2.52-15.0	1950	G2"
GA90VSD	13	90	125	2.52-16.5	2350	G2"
GA110VSD	13	110	150	3.77-22.0	2615	G3"
GA132VSD	13	132	175	3.77-26.0	3125	G3"
GA160VSD	13	160	215	4.0-30.3	3425	G4"
GA200VSD	13	200	270	10.0-38.0	4827	G4"
GA250VSD	13	250	335	10.0-45.7	5117	G4"

\*性能参数根据ISO1217, Ed3, Annex C-1996测定。Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况: 进口绝压1bar, 进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customerization

## 经济适用型微油螺旋式空压机GXe系列

## Cost Efficient Oil Less Rotary Screw Air Compressor GXe Series

**55℃环境温度设计，高效冷却系统**

GXe系列微油螺杆式空气压缩机适用于全球任何地方。镰刀式的风扇叶片设计减小了送风阻力，在不损失静态背压的情况下，极大地降低了机组的运行噪音，提高运行效率。

Designed for 55℃ working environment, GXe performs excellently in different hard condition. The sickle-like fan effectively reduce the obstruction while blowing in, maximally lower the noise.

**低油耗外置分离器，安装方便**

Oil separator outside the tank guarantees oil efficiency and easy maintenance.

**耐用、高效的主机**

经过多年持续地改进和成千上万台机组上的稳定运行，GXe主机久经考验。保证机组长久稳定运行的同时，只需投入极少的维护保养成本。

Durable and highly-efficiency air end:  
Through dozens of year revolution and test of thousands of compressors, the air end of GXe turn out to be excellent in performace with little cost of maintenance.



直观的智能控制器，为用户提供方便控制软件可选，运行参数可调。  
Visual smart controller, option for control software and operation parameters.

**星三角启动器**

使用星三角启动器，空压机在启动时，瞬间电流会大大降低，不仅延长了部件的使用寿命，且大大提高了系统的可靠性。

Star delta starter greatly reduces the transient current while launching.

**高效的风冷型电机**

可在55℃的环境温度下持续工作，并有一定的设计余量。电机的标准防护等级为TEPC，能够保证其在实际使用中免受一般污染物的影响，防止内部积灰，从而确保电机经久耐用，安全可靠。

High efficient air cooling motor with design margin, the motor can work continuously without failure under the condition of 55℃. TEPC protection ensures the machine free from pollution and dust deposition.

无齿轮变速的直连传动，确保无耗损。

Direct drive, shift without gear makes sures free from energy loss.

**GXe7-GXe90主要性能参数（流量为进气口实测数值）****Main data of GXe7-GXe90 (capacity is the measured inlet data.)**

型号 Model	流量 Capacity	工作压力 Working pressure	电机功率 Motor power	重量 Weight	外形尺寸 Dimension	出口管径尺寸 Size of Outlet
	m <sup>3</sup> /min	bar(e)	kW/HP	kg	mm	
GXe7-8.0	1.00	8.0	7.5/10	350	1000*700*1220	G¾"
	0.80	10				
	0.60	13				
GXe11-8.0	1.80	8.0	11/15	450	1050*750*1300	G¾"
	1.60	10				
	1.40	13				
GXe15-8.0	2.68	8.0	15/20	500	1050*750*1300	G¾"
	2.21	10				
	1.82	13				
GXe22-8.0	3.77	8.0	22/30	600	1050*750*1300	G1"
	3.23	10				
	2.82	13				
GXe30-8.0	5.00	8.0	30/40	900	1050*750*1300	G1½"
	4.52	10				
	4.09	13				
GXe37-8.0	6.20	8.0	37/50	950	1300*800*1400	G1½"
	5.88	10				
	4.68	13				
GXe45-8.0	8.04	8.0	45/60	1150	1300*800*1400	G1½"
	7.20	10				
	6.00	13				
GXe55-8.0	10.32	8.0	55/75	1350	1600*1000*1480	G2"
	8.70	10				
	7.80	13				
GXe75-8.0	14.16	8.0	75/100	1550	1700*1000*1680	G2"
	11.82	10				
	10.14	13				
GXe90-8.0	16.00	8.0	90/125	2050	1700*1000*1680	G2"
	14.32	10				
	12.40	13				

\*性能参数根据ISO1217, Ed3, Annex C-1996测定。Performance data according to ISO1217, Ed3, Annex C-1996.  
基准工况：进口绝压1bar，进口温度20℃ Inlet pressure: 1bar Inlet temperature: 20℃

\* 其他规格接受定制  
Accept customization

# 柴油移动螺杆式空气压缩机DM系列

## Diesel Engine Mobile Screw Compressor DM series



- ★ 排气压力discharge pressure: 0.7-4.0Mpa
- ★ 排气量capacity: 6.0-40.0m<sup>3</sup> / min
- ★ 功率范围Power range: 50-630HP

厦门格林柯尔精密机械有限公司生产的柴油移动式螺杆空压机是市场领先者，中高压系列采用两级压缩主机，高效可靠，型号齐全。

The diesel engine screw air compressor, produced by Xiamen Greenair Precision Machinery Co., Ltd is in the leadership all over the world. The middle and high pressure models are made of the two stage air end.

### GreenairAtlas柴油移动式螺杆空压机的特点： The prominent characters of DM series:

1. 主机：专利型线的大直径转子设计，主机与柴油机通过高弹性联轴器直连，转速一致，效率更高；  
Air end: patented design of the large diameter, direct driven by the strong coupling, speed up without gear, higher efficiency.
2. 柴油发动机：选用康明斯，动力强劲，燃油耗低，售后服务覆盖全国；  
Diesel engine: produced by Cummins, strong power, low fuel consumption, global warranty;
3. 气量控制系统简洁可靠：根据用气量的大小，对进气量进行0-100%自动调节；  
The air control system: simple and reliable, automatically control the capacity from 0-100% by air demand;
4. 微电脑智能监控：控制空压机运行参数，可自动报警和停机保护；  
Micro computer control: to monitor the operation parameter with automatic alarm protection;
5. 多级过滤及超大冷却器：适合多粉尘工作环境以及高温、高原环境。  
Multiple-stage filters and large cooler: perfectly for the dusty and high temperature and high altitude condition.

# 电动移动螺杆式空压机EM系列

## Electric Mobile Screw Compressor EM series

- ★ 排气压力discharge pressure: 0.7-2.5Mpa
- ★ 排气量capacity: 4.8-42.0m<sup>3</sup> / min
- ★ 功率范围Power range: 37-250kW
- ★ 其他规格接受订制  
Accept customerization

### GreenairAtlas电动移动式螺杆空压机的特点： The prominent characters of EM series:

1. 可靠性高：压缩机零部件少，没有易损件，运转可靠，寿命长，大修间隔可达4-8万小时；  
Reliability: less spare parts, no easy-wear parts, reliable operation, longer service life, overhaul period from 40000 to 80000 hours;
2. 操作维护方便：自动化程度高，可实现无人值守运转；  
Easy to operate and maintain: high automation, operation without manual watch;
3. 适应性强：根具有强制输气的特点，容积流量几乎不受排气压力的影响，在宽广的转速范围内能保持高效率。  
Adaptability: featured by the compelled gas transmission, FAD not affected by the pressure, keeping highly efficiency.



## 无油水润滑螺旋式空压机ZR系列

Oil Free Water lubricated Rotary Screw Air Compressor ZR Series

- 100%无油，完全无油保障，水润滑，主机内不含一滴润滑油  
100% oil free, guarantee absolutely oil free, there is no lubrication oil in the air end.
- 运行维护成本低（耗材：水，水滤芯，空滤）  
extremely low maintenance cost, only covering the water, water filter element and air filter element.
- 低噪音，无振动  
Low noise without vibration
- 实际性符合ISO1217，附录C, Ed. 3  
excellent performance, matching the standard of ISO1217, appendix C, Ed. 3.
- 风冷型和水冷型可选  
Option for air cooling and water cooling
- 可选配变频系统  
Option for the VSD series
- 低温运行，机组温度低于50℃，超长使用寿命  
Low operation temperature, under 50℃, longer service life.



## 干式润滑与水润滑十年试用期使用成本比较

Comparison on cost between dry oil free and water lubricated oil free compressor in 10 years.

能耗成本88%  
Energy consumption 88%

设备投资5.1%  
Equipment investment 5.1%

保养6.9%  
Maintenance 6.9%

干式无油  
Dry oil free

能耗成本94.2%  
Energy consumption 94.2%

设备投资4.9%  
Equipment investment 4.9%

保养0.9%  
Maintenance 0.9%

水润滑无油  
Water lubricated oil free

节省  
Saving 21%

型号 Model	工作压力 working pressure	排气量 capacity	功率 motor power	声压级	重量 weight	外形尺寸 dimension
	Mpa	m <sup>3</sup> /min	kW	dB(A)	Kg	L*W*H(mm)
ZR11	0.8	1.55	11	58	540	1400*870*1180
	1.0	1.32				
	1.25	1.02				
ZR15	0.8	2.40	15	63	650	1400*870*1180
	1.0	2.12				
	1.25	1.61				
ZR22	0.8	3.50	22	65	870	1400*870*1180
	1.0	3.13				
	1.25	2.61				
ZR30	0.8	5.00	30	66	980	1850*1300*1500
	1.0	4.20				
	1.25	3.81				
ZR37	0.8	6.10	37	67	1000	1850*1300*1500
	1.0	5.22				
	1.25	4.81				
ZR45	0.8	7.30	45	68	1060	1850*1300*1500
	1.0	6.13				
	1.25	5.65				
ZR55	0.8	9.60	55	70	1250	1850*1300*1500
	1.0	8.60				
	1.25	7.42				
ZR75	0.8	12.5	75	73	1480	1850*1300*1500
	1.0	11.42				
	1.25	9.83				
ZR90	0.8	16.3	90	73	2030	2600*1480*1700
	1.0	14.52				
	1.25	12.30				
ZR110	0.8	19.40	110	78	2450	2600*1480*1700
	1.0	16.90				
	1.25	15.10				
ZR132	0.8	22.21	132	78	2850	2600*1480*1700
	1.0	20.38				
	1.25	18.29				
ZR160	0.8	28.85	160	78	3750	3300*2200*2000
	1.0	24.52				
	1.25	22.17				
ZR200	0.8	36.63	200	78	4100	3300*2200*2000
	1.0	32.70				
	1.25	27.72				
ZR250	0.8	42.88	250	78	4750	3300*2200*2000
	1.0	39.00				
	1.25	34.64				

以上型号均可选配变频系统，其他规格接受定制  
Option for VSD series, accept customerization

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