



**24h
service**

服务

内勤服务：日常技术咨询，受理产品质量投诉，零配件查询，理赔业务等；

外勤服务：支持代理商进行现场开机调试，提供现场培训，处理机器故障，专业维护保养服务等；

培训服务：代理商服务、销售人员培训，客户技术交流研讨班。



中国制造基地：
中山市艾能机械有限公司
ZHONGSHAN AE MACHINERY CO.,LTD.

www.ae-compressor.com

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AET系列 无油中高压压缩机

AE KOMPRESSOREN develops manufactures,
installs and maintains compressed air/gas systems
for customers across the industries.

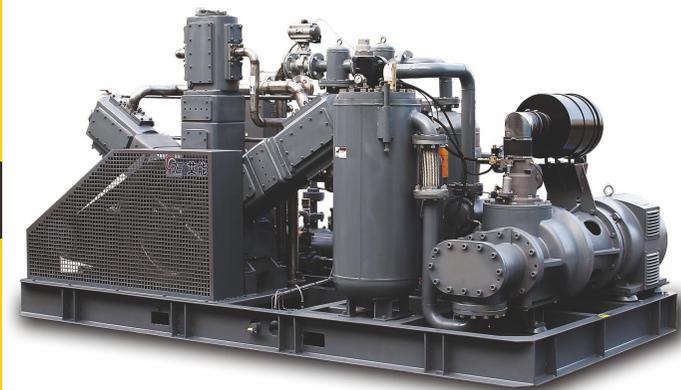


追求卓越 服务全球
STRIVING FOR EXCELLENCE.SERVE WORLDWIDE



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AE KOMPRESSOREN develops manufactures,
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 **艾能**
KOMPRESSOREN

追求卓越 服务全球

Striving For Excellence, Serve Worldwide

关于艾能 ▶▶▶ ABOUT AE

世界级的制造中心

艾能专业的生产工厂座落于伟人故里——中山市，占地30多亩，生产场地16000平方米，设有现代办公大楼、技术研发中心、测试中心、实验室、仓储中心、专业生产车间等等，实现制造、产品开发与研究团队之间的密切合作。

满足用户需求

强大的技术实力、先进的生产设施、科学的管理、严格执行ISO9001质量管理体系，满足多行业、多元化的用户需求，并确保生产效率之高效及产品品质之可靠。

World class manufacturing center

AE to professional production factory is located in the great man hometown – Zhongshan City, covers an area of 30 acres, 16000 square meters of production space, with modern office building, technology research and development centers, testing centers, laboratories, storage center, specializing in the production of workshop and so on, to achieve product manufacturing, and close cooperation between the research team and.

Meet user needs

Strong technical strength, advanced production facilities, scientific management, strict implementation of ISO9001 quality management system, meet the multi industry, diversified user needs, and to ensure that the production efficiency, and product quality and reliable.



艾能(AE)公司以开发高性能和高可靠性的压缩机著称，凭籍其丰富的经验和不断创新的技术，已成为全球重要的压缩机供应商。“追求卓越，服务全球”的理念成为艾能公司在不同行业 and 不同应用中业务拓展和地区延伸的坚实基础。

成立于2004年的中山市艾能机械有限公司，隶属于母公司——艾能联合技术（亚太）有限公司，是集设计开发、生产、销售于一身的专业企业，专业生产各类螺杆式压缩机及活塞中高压压缩机，为中国及全球众多用户提供世界级的技术方案，提供更坚固、更高效的产品。

AE company in order to develop high performance and high reliability of the compressor is known, by virtue of its rich experience and innovative technology, has become the world's important compressor suppliers. The idea of "pursuing excellence, serving the world" has become a solid foundation for AE companies to expand and expand in different industries and different applications. Machinery Co., Ltd. belonging to the parent company – AE United Technologies (Asia Pacific) Co., Ltd., is set design, development, production, sales in a body specialized enterprise was founded in 2004, Zhongshan City, specializing in the production of various types of screw type compressor and piston compressor, for China and the world many users provide world-class technical scheme, provide a more solid and more efficient products.

①公司入口/②办公大堂/③生产车间
① Company entrance / ② office lobby / ③ Production Workshop

企业文化 ▶▶▶ Corporate Culture



- ▶ **企业远景：技术先进、产品优秀的专业压缩机制造企业，为客户、员工成就价值。**
Enterprise vision: advanced technology, excellent product professional compressor manufacturing enterprises, for the customer, the value of the achievement of staff.
- ▶ **企业理念：追求卓越，服务全球。**
Business philosophy: striving for excellence, serve worldwide
- ▶ **企业精神：技术创新、精工制造，全员服务、自我实现。**
Enterprise spirit: technical innovation, precision manufacturing, full service, self realization.

管理理念：严格、标准、科学。
经营理念：以战略思维的高度，务实、高效，为客户提供有竞争力的产品和最好的服务。
质量理念：艾能就代表质量。
服务理念：快捷、真诚、担当。
人才理念：正直、谦虚、合作、包容、激励、分享。

Management idea: strict, standard and scientific.
Business philosophy: the strategic thinking, pragmatic and efficient, to provide customers with competitive products and best service.
Quality concept: AI can represent the quality.
Service concept: sincere, fast, play.
Talent concept: integrity, humility, cooperation, tolerance, encouragement, share.

艾能压缩机是高效、品质卓越的。凭借雄厚的技术力量和丰富的制造经验，艾能螺杆空压机品种及规格齐全，能够满足不同用户对压缩空气品质、气量大小、使用工况等的不同要求，主要产品有：
AE compressor is efficient, excellent quality. With strong technical force and rich experience in manufacturing, the AE screw air compressor varieties and specifications, to meet the needs of different users of compressed air quality, volume, the use of working conditions, such as different requirements, the main products:



对特种行业或特殊需求，艾能公司更擅长按照用户要求定制特殊的空压机。
For the special industry or special needs, AI can be more adept at the user requirements to customize the special air compressor.

AET系列螺杆无油活塞增压压缩机

AET series screw compressor without oil piston

AE特有设计, 提供了最佳性能, 节能可高达15%

AE unique design, provides the best performance, energy saving can be as high as 15%

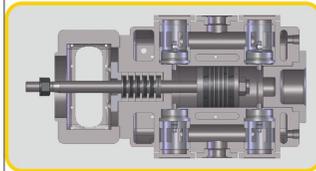
满足客户10大需求 Meet customer needs 10

- ① 设备可靠性
Equipment reliability
- ② 高效节能
High efficiency and energy saving
- ③ 低噪音
Low noise
- ④ 压力稳定
Pressure stability
- ⑤ 运输方便
Convenient transportation
- ⑥ 40bar下的优质无油空气
40bar high quality oil free air
- ⑦ 无基础安装, 移动方便
No foundation installation, easy to move
- ⑧ 维护方便, 节省停机时间
Easy maintenance, save down time
- ⑨ 备件寿命长, 易于购买, 费用低
Spare parts life is long, easy to buy, low cost
- ⑩ 服务效率高、周到
Service efficiency is high, considerate



全304不锈钢管路 Full SUS304 pipe

寿命长, 优异的耐腐蚀, 耐高温, 强度高。
Long life, excellent corrosion resistance, heat resistance, high strength.



AE双作用气缸 AE double acting cylinder

- ① 实现平衡压缩, 低能耗
The balance of compression, low energy consumption
- ② 泄漏最小化, 效率更高
The leakage minimization, higher efficiency
- ③ 更低的压缩温度
The lower compression temperature
- ④ 更长的零件寿命
The longer service life of the parts
- ⑤ 优化的调节
The optimization adjustment

变频技术应用(客户选装) Application of frequency conversion technology (customer optional)



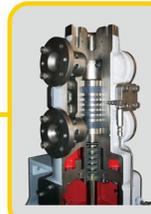
消除或减少了压缩机在卸载状态的工作时间。精确跟踪用户的用气需求, 可实现不同产能的要求, 最高可降低能耗35%甚至更多。

Eliminating or reducing the working time of the compressor in the unloading state. Accurate tracking of the user's gas demand, can achieve different capacity requirements, the maximum can reduce energy consumption by 35% or more.



余气(低压缩空气)再注入技术 Residual gas re injection technique

余气再注入技术, 节省能源可高达50% (相比正常的压缩)
Residual gas re injection technique. Energy savings can be as high as 50% (compared to normal compression).



密封及填料 Sealing and packing

复合式密封填料, 密封可靠, 寿命大大提高, 活塞杆磨损小 (活塞杆表面超硬化处理)。

Composite sealing packing, reliable sealing, life is greatly improved, piston rod wear small (piston rod surface hardening treatment).

活塞环、支承环 piston ring, support ring

PTFE活塞环、支承环, 优化设计更具耐高温、耐磨特性; 磨损均匀, 更为可靠, 使用寿命4000h以上。
PTFE piston ring, support ring, the optimal design with high temperature resistance, wear uniform, is more reliable and the service life of more than 4000h.



智能化的监控系统 Intelligent monitoring system

全自动监控系统机组运行, 所有运行状况及参数一目了然, 告知故障准确位置; 系统根据所出现问题的严重级别, 自动提示、诊断、报警或停机保护, 确保机组安全。

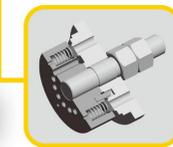
Automatic monitoring system for the unit operation, all operating conditions and parameters at a glance, inform the accurate fault location; system according to the severity of the problem, automatically prompts, diagnosis, alarm, or shutdown protection to ensure crew safety.



高效的水冷却系统/级间冷却技术 High efficiency water cooling system and inter stage cooling technology

机组采用水冷却, 气缸、填料均通水冷却, 不超过130℃的压缩终了温度, 极大降低磨损, 可将机组安装在狭小的空间及恶劣的环境而不至于受影响。

Unit adopts water cooling, cylinder, the packing water cooling, not more than 130 °C at the compression end temperature, greatly reducing the wear, the unit is installed in a narrow space and harsh environment so as not to be affected.



气垫阀 (采用304不锈钢材质) Air cushion valve (SUS 304)

AE专有技术的气垫阀, 噪音小; 使用宝塔弹簧, 寿命长, 阀芯受力均匀, 工作可靠; 流通面积大, 阻力(降压)小, 效率高。

AE proprietary technology of air valve, the noise is small; with pagoda spring, long service life, uniform stress of the valve core, reliable work; a through flow area resistance (step-down) is small, the efficiency is high.



气动排泄阀 Pneumatic discharge valve

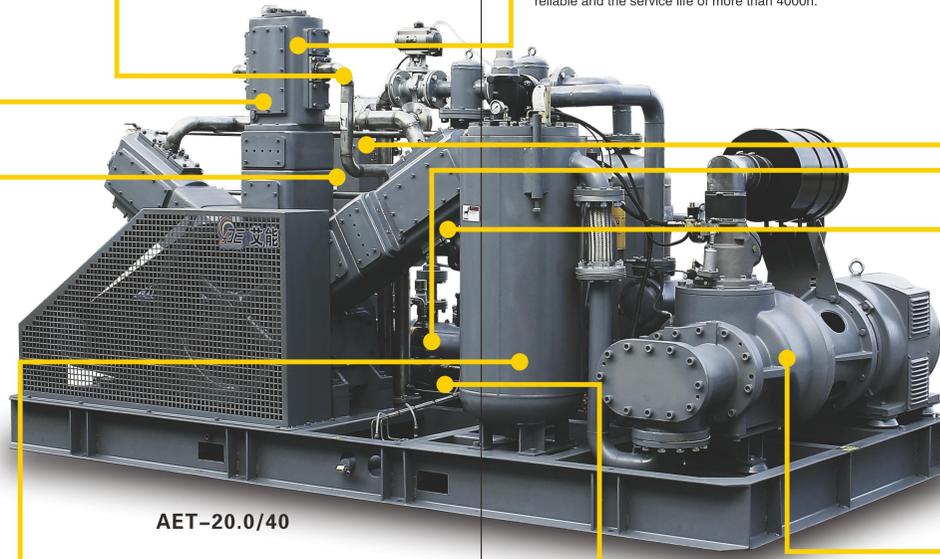
无堵塞、耐疲劳、稳定性高。
No clogging, fatigue resistance, high stability.



螺杆主机 Screw host

欧洲原产的螺杆压缩机主机, 大转子、低转速、高效率、长寿命。

Europe is the origin of the screw compressor engine. Large rotor, low speed, high efficiency, long life.



AET-20.0/40

AET系列螺杆无油活塞增压压缩机

中压空气 (2.5~4.0MPa) 技术方案解决方案专家, 广泛应用于PET吹瓶行业。
Medium pressure air (2.5~4.0Mpa) technical solution expert, widely used in PET blow bottle industry.



机型型号: AET-10.0/40



机型型号: AET-6.0/40

技术参数 Technical Parameter

型号 (Model)	电机总功率 POWER (KW)	轴功率 Shaft Power (KW)	排气量 FAD (m³)	排气压力 Pressure (kg/cm²)	曲轴转速 speed (rpm)	协调配管 (Piping Size)		重量 Weight (kg)	外形尺寸 external dimensions (mm)	循环水量 water consumption (T/h)
						排气出口尺寸 Outlet Size	冷却水进出口尺寸 The cooling water inlet and outlet size			
AET-6.0/30	67	60	6.0	30	520	Dn40	Rc1-1/2"	3000	2760*1500*1500	20
AET-8.0/30	85	80	8.0	30	560	Dn40	Rc1-1/2"	3500	2760*1500*1500	20
AET-10.0/30	120	100	10.0	30	420	Dn40	Rc1-1/2"	4400	3650*1800*2000	20
AET-12.0/30	135	120	12.0	30	460	Dn40	Rc1-1/2"	4650	3620*2100*2000	30
AET-16.0/30	165	160	16.0	30	350	Dn50	Rc2"	5000	3620*2100*2000	30
AET-20.0/30	222	200	20.0	30	420	Dn50	Rc2"	7000	4165*2150*2100	50
AET-24.0/30	260	240	24.0	30	380	Dn65	Rc2-1/2"	8000	4590*2150*2100	50
AET-28.0/30	290	280	28.0	30	450	Dn65	Rc2-1/2"	8500	4590*2150*2100	50
AET-30.0/30	310	300	30.0	30	500	Dn65	Rc2-1/3"	10000	4590*2150*2100	60
AET-6.0/40	67	63	6.0	40	520	Dn40	Rc1-1/2"	3000	2760*1500*1500	20
AET-8.0/40	85	84	8.0	40	560	Dn40	Rc1-1/2"	3500	2760*1500*1500	20
AET-10.0/40	120	105	10.0	40	420	Dn40	Rc1-1/2"	4500	3650*1800*2000	20
AET-12.0/40	135	126	12.0	40	460	Dn40	Rc1-1/2"	4800	3620*2100*2000	30
AET-16.0/40	185	168	16.0	40	350	Dn50	Rc2"	6000	3620*2100*2000	30
AET-20.0/40	222	210	20.0	40	420	Dn50	Rc2"	7500	4165*2150*2100	50
AET-24.0/40	260	252	24.0	40	380	Dn65	Rc2-1/2"	9000	4590*2150*2100	50
AET-28.0/40	290	280	28.0	40	450	Dn65	Rc2-1/2"	9500	4590*2150*2100	50
AET-30.0/40	310	305	30.0	40	500	DN65	Rc2-1/3"	10000	4590*2150*2100	60

AET series screw compressor without oil piston

中压系列空气压缩机
排气量: 1.0~4.0m³/min
排气压力: 1.5~4.0Mpa
装机功率: 11~45KW

Medium Pressure Series Air Compressor

Air discharge: 1.0~4.0m³/min
Discharge pressure: 1.5~4.0Mpa
Installed power: 11~45KW



机型型号: AET-4.0/40



内置冷却循环水箱

- 初级螺杆排气压力10.0~12.0MPa
- 级间压缩比更小, 更节能
- 高效的冷却系统, 风冷、水冷相结合
- 独创内置冷却循环水箱, 气缸及填料均通水道冷却, 无需外接冷却水塔

Exhaust pressure - primary screw 10.0~12.0MPa
Stage compression ratio is smaller, more energy saving
The efficient cooling system, air cooling and water cooling combination
The original built-in cooling water tank, cylinder and filler through cooling without external water tower

技术参数 Technical Parameter

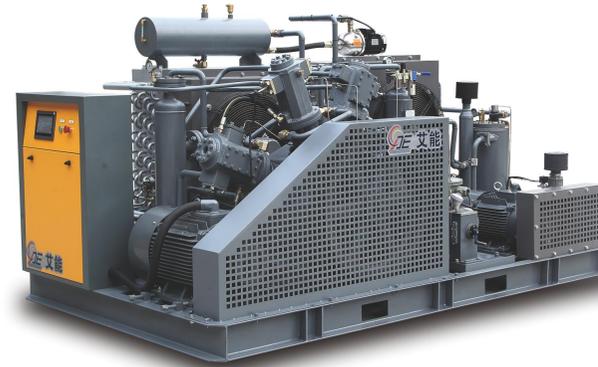
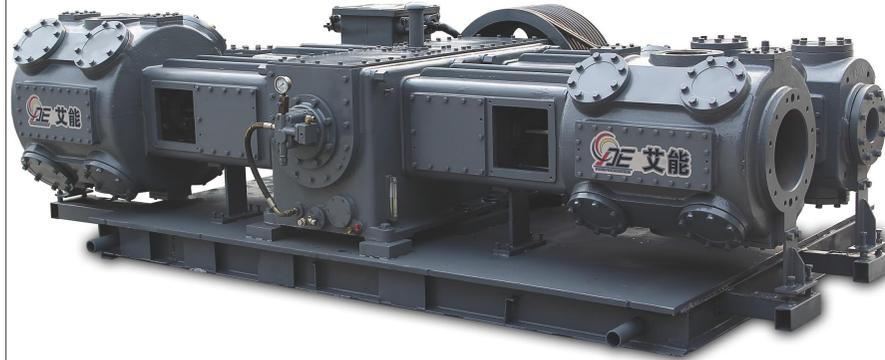
型号 (Model)	电机总功率 POWER (KW)	轴功率 Shaft Power (KW)	排气量 FAD (m³)	排气压力 Pressure (kg/cm²)	曲轴转速 speed (rpm)	协调配管 (Piping Size)		重量 Weight (kg)	外形尺寸 external dimensions (mm)	循环水量 water consumption (T/h)
						排气出口尺寸 Outlet Size	冷却水进出口尺寸 The cooling water inlet and outlet size			
AET-2.0/30(Z)	22.5	19	2.0	30	520	Rc1"	N/A	1500	2150*1200*1200	N/A
AET-4.0/30(Z)	45	40	4.0	30	520	Rc1"	N/A	2000	2700*1600*1650	N/A
AET-2.0/40(Z)	22.5	20	2.0	30	520	Rc1"	N/A	1500	2150*1200*1200	N/A
AET-4.0/40(Z)	45	42	4.0	40	520	Rc1"	N/A	2000	2700*1600*1650	N/A

追求卓越 服务全球

Striving For Excellence, Serve Worldwide

AETM系列绝压无油高压空压机 AETM series absolute pressure oil free high pressure air compressor

AET系列高压螺杆活塞增压压缩机 AET series high pressure screw compressor



高压系列空气压缩机
 排气量: 1.0~3.5m³/min
 排气压力: 15.0~45.0Mpa
 装机功率: 22~90KW

High Pressure Series Air Compressor

Air discharge: 1.0~3.5m³/min
 Discharge pressure: 15.0~45.0Mpa
 Installed power: 22~90KW

- 先进的对置平衡结构 Advanced counterbalance structure
- 更小的噪音 Less noise
- 规范科学的设计 The design of standard science
- 更小的振动 Smaller vibration
- 精良的制造工艺 Sophisticated manufacturing process
- 更小的能耗 Smaller energy consumption
- 完善的自动控制与监控系统 Perfect automatic control and monitoring system
- 更高可靠性 Higher reliability

技术参数 Technical Parameter

技术参数 Technical Parameter

型号 (Model)	电机总功率 POWER (KW)	轴功率 Shaft Power (KW)	排气量 FAD (m³)	排气压力 Pressure (kg/cm²)	曲轴转速 speed (rpm)	协调配管 (Piping Size)		重量 Weight (kg)	外形尺寸 external dimensions (mm)	循环水量 water consumption (T/h)
						排气出口尺寸 Outlet Size	冷却水进出口尺寸 The cooling water inlet and outlet size			
AETM-4.0/40	45	40	4.0	40	540	Dn40	Rc1-1/2"	4500	3650*1670*1900	20
AETM-8.0/40	85	80	8.0	40	540	Dn40	Rc1-1/2"	4500	3650*1670*1900	20
AETM-16.0/40	185	160	16.0	40	350	Dn50	Rc2-1/2"	11000	5400*3000*2100	30
AETM-20.0/40	220	200	20.0	40	450	Dn50	Rc2-1/2"	12500	5400*3000*2100	40
AETM-22.0/40	250	220	22.0	40	500	DN50	Rc2-1/2"	13500	5400*3000*2100	40

型号 (Model)	电机总功率 POWER (KW)	轴功率 Shaft Power (KW)	排气量 FAD (m³)	排气压力 Pressure (kg/cm²)	曲轴转速 speed (rpm)	协调配管 (Piping Size)	重量 Weight (kg)	外形尺寸 external dimensions (mm)
						排气出口尺寸 Outlet Size		
AET-1.0/250	29.5	25	1.0	250	320	Rc1/2"	3000	3100*1800*1600
AET-1.5/250	41	37	1.5	250	380	"Rc1/2"	3500	3100*1800*1600
AET-2.0/250	52	46	2.0	250	450	Rc1/2"	3600	3600*2000*1600
AET-3.0/250	77	70	2.0	250	500	Rc1/2"	3500	3600*2000*1600
AET-1.0/400	33	28	1.0	400	320	Rc1/2"	3200	3100*1800*1600
AET-1.5/400	52	42	1.5	400	380	Rc1/2"	3700	3600*2000*1600
AET-2.0/400	60	56	2.0	400	450	Rc1/2"	3800	3600*2000*1600
AET-3.0/400	82	80	2.0	400	500	Rc1/2"	4200	3600*2000*1600

追求卓越 服务全球

Striving For Excellence, Serve Worldwide

AE (艾能) 往复式活塞工艺气体压缩机 AE reciprocating piston gas compressor

具有宽广的工作范围, 提供多种工业气体的特定解决方案
Has a broad scope of work to provide a wide range of industrial gases specific solutions



各种气体压缩 (增压): 氢气、氮气、甲烷、二氧化碳、氟利昂、天然气、氯乙烯、氯甲烷、乙烯、丙烯二硫化硫、丁二烯、异丁烷、正丁烷、丙烷、一氧化碳、石油气、合成气、空气……。

对于工业气体压缩, 每个用户都具有不同需求和工作条件, 因此, 针对不同的需求, 请与AE公司或其授权代理商接洽, AE公司将安排 (派遣) 专业的技术人员与你联系。

All gas compression (booster): hydrogen, nitrogen, methane, carbon dioxide, freon, natural gas, vinyl chloride, chlorine methane, ethylene, propylene, sulfur dioxide, butadiene, isobutane, butane, propane, carbon monoxide, oil and gas, synthesis gas, air...

For the industrial gas compression, each user has different needs and working conditions. Therefore, according to the different needs, please contact and AE company or its authorized representative, AE company will arrange (dispatch) professional and technical personnel to contact you.

氮气压缩机 Nitrogen compressor

氮气压缩机

排气量: 1.0~30.0m³/min
排气压力: 4.0~40.0Mpa
装机功率: 37~220KW

Nitrogen compressor

Capacity: 1.0~30.0m³/min
Discharge pressure: 4.0~40.0Mpa
Installed power: 37~220KW



技术参数 Technical Parameter

型号 (Model)	电机功率 POWER	排气量 (标态下) FAD	进气压力 (表压力) Inlet pressure	排气压力 (表压力) Pressure	压缩级数 Compression series
	(kW)	(Nm³/h)	(bar)	(bar)	
AET-2.2/4-20	55	600	4	20	2
AET-4.3/4-20	90	1200	4	20	2
AET-2.5/5-20	75	800	5	20	2
AET-2.5/5-30	90	800	5	30	2
AET-0.4/8-80	37	200	8	80	3
AET-2.0/8-50	90	1000	8	50	2

天然气压缩机 Natural gas compressor



天然气压缩机

排气量: 1.0~30.0m³/min
排气压力: 5.0~25.0Mpa
装机功率: 22~220KW

Natural gas compressor

Capacity: 1.0~30.0m³/min
Discharge pressure: 5.0~25.0Mpa
Installed power: 22~220KW

技术参数 Technical Parameter

型号 (Model)	电机功率 POWER	排气量 (标态下) FAD	进气压力 (表压力) Inlet pressure	排气压力 (表压力) Pressure	压缩级数 Compression series
	(kW)	(Nm³/h)	(bar)	(bar)	
AET-3.2/1-250	90	350	1	250	4
AET-3.0/3-250	132	650	3	250	4
AET-2.25/4-250	110	600	4	250	4
AET-1.8/6-250	110	680	6	250	4
AET-1.0/10-250	90	600	10	250	3
AET-0.7/16-250	90	650	16	250	3
AET-0.7/30-250	90	1200	30	250	3

石油气压缩机 Petroleum gas compressor



石油气压缩机

排气量: 1.0~50.0m³/min
排气压力: 1.0~3.0Mpa
装机功率: 7.5~132KW

Petroleum gas compressor

Capacity: 1.0~50.0m³/min
Discharge pressure: 1.0~3.0Mpa
Installed power: 7.5~132KW

技术参数 Technical Parameter

型号 (Model)	电机功率 POWER	排气量 (标态下) FAD	进气压力 (表压力) Inlet pressure	排气压力 (表压力) Pressure	压缩级数 Compression series
	(kW)	(Nm³/h)	(bar)	(bar)	
AET-2.5/2-8	22	400	2	8	1
AET-1.6/4-13	18.5	450	4	13	1
AET-1.1/10-15	15	650	10	15	1
AET-1.3/10-15	18.5	780	10	15	1
AET-0.9/16-24	15	800	16	24	1
AET-1.4/16-24	22	1250	16	24	1
AET-3.0/16-24	55	2800	16	24	1

压缩空气净化设备 Compressed air purification equipment

主要技术参数

The main technical parameters

工作压力 Working pressure: $\leq 8.0\text{MPa}$

压力损耗 Pressure loss: $\leq 0.02\text{MPa}$

压力露点 Dew point: $2-10^{\circ}\text{C}$

过滤精度 Filtering accuracy: $\leq 0.01\ \mu\text{m}$

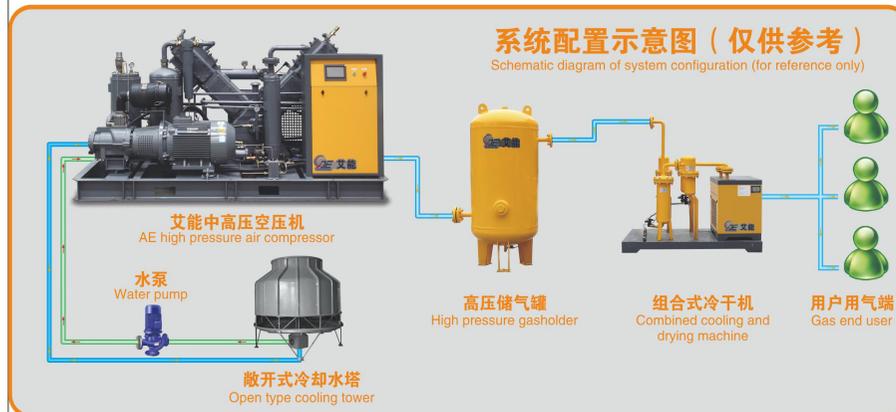
制冷剂 Refrigerant: R22

冷凝水排口 The condensed water outlet: Rc1/2"

安装方式 Installation mode: 室内无基础安装 No basis for indoor installation



- | | |
|-----------------------------|----------------------------------|
| ① 冷冻式干燥机 Air dryer | ④ A级精密过滤器 Filter A |
| ② 油水分离器 Oil-water separator | ⑤ 活性炭过滤器 Activated carbon filter |
| ③ T级精密过滤器 Filter T | ⑥ 高压储气罐 High pressure gasholder |



技术参数 Technical Parameter

型号 (Model)	工作压力 Working Pressure bar	入口温度 Inlet temperature $^{\circ}\text{C}$	处理量 FAD Nm^3/min	功率 Power HP	电源电压 Voltage V/Ph/Hz	进出口尺寸 Import and export size	冷却方式 Cooling	备注 Note
AEG-2/40	40	≤ 80	2-2.6	1.1	220/1/50	Rc1"	风冷 air-cooling	可选装储气罐 Optional storage tank
AEG-3/40			3-3.8	1.25		Rc1-1/2"		
AEG-5/40			4.5-5.2	1.65		Rc1-1/2"		
AEG-6/40			6-7	1.8		Rc1-1/2"		
AEG-8/40			8-9	2.3		Rc1-1/2"		
AEG-10/40			10-11	2.45		Rc1-1/2"		
AEG-13/40			13-14	3.0	Rc2"	风冷或水冷 air or water cooling	无 No	
AEG-15/40			15-16	3.6	Rc2"			
AEG-20/40			20-22	3.6	Dn65			
AEG-25/40			25-28	4.75	Dn65			
AEG-30/40			30-33	5.75	Dn65			
					Dn65			

备注 Note:

- 其它压力特殊需求, 接受特殊定做;
Other pressure special needs, accept special order;
- 特殊型号规格可订货供应 (如电压、电流等)。
Special model specifications can be ordered to supply (such as voltage, current, etc.).