

螺杆压缩机的极致水平

Summit of screw air compressor technology

高端螺杆压缩机制造企业

Manufacturing enterprise of high-end screw air compressor



辛麦恩 Km. ssor

## 微油螺杆压缩机

Micro Oil Screw Air Compressor

### 系列产品 PRODUCTS

CMN/A系列微油螺杆压缩机  
Micro oil screw air compressor of CMN/A series

CMN/PV系列永磁变频微油螺杆压缩机  
Permanent magnet micro oil screw air compressor of variable frequency of CMN/PV series

CMN/D系列低压微油螺杆压缩机  
Low pressure micro oil screw air compress of CMN/D series



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辛麦恩压缩机  
CMN COMPRESSOR

辛麦恩压缩机引进法国辛麦恩的高端螺杆压缩机的制造技术在国内进行消化、吸收，是国内首家将水用于压缩机内部进行冷却、润滑的高端螺杆压缩机制造企业，并在全球范围内率先推出二级压缩高压微油螺杆压缩机，压力达到4.0MPa；继而又研发了全球首创的4.0MPa压力无油螺杆压缩机、全球首创的1.25MPa压力无油涡旋压缩机。辛麦恩的研发团队不断挑战和突破空气压缩机的最高技术，不断地创造国际最先进的压缩机产品。在此先进的技术和精密制造基础上，我公司生产的喷油螺杆空压机的容积效率高，抗高温，耐用，节能效果特别明显。

公司技术力量雄厚，生产及检测设备先进齐全，严格执行ISO9001质量管理体系，产品已获欧盟CE认证，无油机系列均通过德国权威机构TÜV Class 0检测。现有专业研发团队，不断地进行压缩机节能技术的开发研究工作，已经取得多项国际国内发明、实用新型专利。公司秉承“严管理、求进取、善创新、守信用、重服务”的企业精神，坚持走高、新、专的发展道路，坚持以人为本的思想，贯彻“没有最好，只有更好”的研发制造理念，追求“产品零缺陷、服务零距离”的境界，通过科学管理、技术创新和品牌服务，不断提升企业综合运营能力及市场竞争能力，全力打造“辛麦恩”优质品牌，竭诚为中国压缩机行业的振兴发展贡献自己的力量。

CMN air compressor introduced high technology of screw air compressor of France B. Zimmern and became as the first company of screw air compressor in China to use water as cooling and lubricating medium in the air end. After developing of two-stage compression 4.0MPa micro oil screw air compressor, we continue developing the global initiative 4.0MPa oil-free screw air compressor and 1.25MPa oil-free scroll air compressor. CMN R & D team challenge and breakthrough of high technology of air compressor, and create the most advantage compressor in the world. Under the basic of advancing technology and precision machining, the micro oil screw air compressor of our company with the advantage of high efficiency, high temperature resistance, long service and energy saving.

Our company with strong technical, advancing manufacture and testing equipment, execute strictly of SO9001 quality management system. And our products get CE certificate, Oil-free series air compressor get Germany TÜV Class 0 testing. Presently, the R&D team continues working for the air compressor for energy saving and get a lot of domestic and the worldwide patents.

CMN is obedience to strict management, progressing, innovating, honesty, good service as the spirit of company, Taking humanism and there is not the best, but the better as manufacture and developing idea, living with no failure of products, zero distance of service. By the scientific management, creating technology and branding service to promote the operational capacity of company and marketing competitive.

## 1. 国家级高新技术企业

National High-tech Enterprise

## 2. 省级高新技术企业研发研究中心

Provincial Research & Development Center for High & New Technology Enterprise

## 3. 浙江省科技型企业

Technological enterprise in Zhejiang Province

## 4. 市级高新技术企业研发研究中心

Municipal Research & Development Center for High & New Technology Enterprise

## 5. JB/T 11882-2014 《一般用喷水单螺杆空气压缩机》国家标准制定单位

JB/T 11882-2014 National Standard Drawing Company of Water-injected Single Screw Air Compressor

## 6. JB/T12565-2015 《中压单螺杆空气压缩机》国家标准制定单位

JB/T12565-2015 National Standard Drawing Company of Medium Pressure of Single Screw Air Compressor

## 7. 水润滑无油螺杆式压缩机浙江省首台套制造商

The First Manufacturer of Oil-free Screw Air Compressor of Water-lubrication in Zhejiang Province

## 8. 市级科学进步奖企业

Municipal Science & Technology Progress Award Enterprise

## 9. 市级科技型重点培育单位

Municipal Science & Technology Key Enterprise



# CMN/A系列性能卓越、超1级能效微油螺杆空压机

Excellent performance and energy-saving micro screw air compressor of CMN/A series

我们不仅仅提供空压机，更提供完美的解决方案，让您更节能，减少电费付出。  
We don't only provide air compressor, but also provide perfect solution to meet your different requirements

## ★ 无轴封设计,坚固耐用 No shaft sealing design, durable using

在无油机没有一点润滑油的使用条件下、任何常见轴封都不能长时间使用。因而辛麦恩发明了非常巧妙，永不接触、永不磨损的无轴封设计。解决了轴封需要定期更换的难题，轴封寿命延长至无限，称为“无轴封设计”。

In the case of oil-free screw air compressor without any lubrication, no common shaft sealing can be used for a long time. Thus, CMN invented a very ingenious, never touching, and never worn, non-sealing design. So it solved the problem of regular replacement of the sealing, and extended the sealing life to infinity, we call it "no sealing design".

## ★ 低能耗 Low energy consumption

CMN/A系列采用辛麦恩自有专利，世界上最大螺杆设计和双压缩腔工作主机，螺杆转一圈一个螺旋腔压缩两次，六个螺旋腔压缩12次。配合自有专利螺杆线型，容积效率百分之九十五以上，并实现输入比功率永不上升—真正意义的节能压缩机。这也是压缩机制造企业所共同追求的最高境界。

The CMN/A series adopts the patents of its own, the world's largest screw design and double compression chamber, the main screw rotating a circle, a spiral compresses two times, six spiral chambers compress 12 times. With its own patented screw type, the volume efficiency can be more than 95%, and the input specific power will never rise. This is a real meaning of energy-saving compressor. And it is also the highest level of compressor manufacturers jointly pursue.

## ★ 辛麦恩压缩机长时间使用输入比功率不会高于新设备时候的输入比功率，这才是真节能。

After a long time operation of CMN air compressor, the input power is not higher than the new machine. It is true energy saving.

## ★ 抗高温 High temperature resistance

适应多种恶劣环境工况，环境温度-20℃至高温55℃设备都可正上运行，连续工作温度不超过92℃。

It is suitable for variety hard environment conditions. The air compressor can be operated under the environment temperature from -20℃ to 55℃, and the continuous working temperature is no more than 92℃.

## ★ 含油量 < 2PPM

Low oil content < 2PPM

辛麦恩高效能主机只需要喷入少量的空压机油就能起到很好的密封效果，产气含油量 < 2PPM。是少数装备德国高精度压缩空气检测仪的制造企业，监测精度0.001PPM

CMN high efficiency air end assures the excellent sealing effect with injection of a small quantity lubricate oil, oil content < 2PPM. We are one of the little factories who equipped with high-precision Germany compressed air detector and the detector precision is 0.001PPM.



# 为什么要选用真正1级能效压缩机

Why choose the true 1 stage energy consumption compressor?



辛麦恩 Km. ssor

能效高不高，性能好不好，请查一下“中国能效标识网” [www.energylabel.gov.cn](http://www.energylabel.gov.cn)

To judge the energy consumption level and the performance, please go to "China energy label network" [www.energylabel.gov.cn](http://www.energylabel.gov.cn)



空压机是否节能，是输入比功率来决定的，输入比功率越小，空压机越节能，国家根据GB19153-2009制定了能效等级标准，最低的是1级能效，是国家给制造厂家设定的目标能效，是空压机制造企业的努力方向；中间的数值是2级能效，达到2级能效的就是国家认定的节能品；能耗最高的是3级能效，达到了是合格品，未达到3级是禁止销售的不合格品。

Whether air compressor is energy-saving or not, it depends on the input power, the lower of the input power, the more energy-saving of the air compressor. According to GB19153-2009, the authority has formulated the energy-efficiency level standard. The lowest is 1-level energy-efficiency, which is the target energy-efficiency to the manufacturing enterprise set by the nation. And the 1-level energy-efficiency is the striving direction for the manufacturing enterprises of the air compressor. The middle one is 2-level energy-efficiency. 1-level and 2-level energy-efficiency are regarded as the national energy-saving products. The highest is 3-level energy-efficiency, the acceptable quality product, otherwise, the sale is prohibited.

以22KW为例，计算合格品（3级能效）与辛麦恩（1级能效）的节电数据，22KW合格品（3级能效）机组比功率为8.9KW/(m³/min)即每吸入1立方米的空气产生到0.8MPa需耗电8.9KW，而经合肥通用机电产品检测院检测的辛麦恩压缩机的机组比功率为7.1KW/(m³/min)，则两者每吸入1立方米空气所需的功耗相差8.9-7.1=1.8度，辛麦恩微油机的吸气量是3.9，所以3.9×1.8=7.02就是每小时节电7.02度，则每年节电度数为365×24×7.02=61495.2度。

Take 22KW as an example, electricity saved data comparison between acceptable quality product (3-level energy-efficiency) and CMN product (1-level efficiency), specific power of 22KW 3-level energy-efficiency product is 8.9KW/(m³/min), which means 1 cubic meter air suction compressed up to 0.8Mpa, energy consumption 8.9KW. Specific power of CMN screw air compressor tested by Hefei general mechanical and electrical products testing institute is 7.1KW/(m³/min), energy consumption compared with 3-level is 8.9-7.1=1.8. CMN oil screw air compressor air suction is 3.9, therefore, power saved 3.9×1.8=7.02 per hour, yearly power saved 365×24×7.02=61495.2.

## 辛麦恩微油螺杆空气压缩机节电数据

Electricity-saved data for CMN micro oil screw air compressor

| 驱动电动机功率<br>Motor power | 排气量<br>FAD | 3级能效 (合格品)<br>3-level energy-efficiency | 2级能效 (节能品)<br>2-level energy-efficiency | 辛麦恩能效<br>CMN energy consumption | 与二级能效相比<br>每小时节电度数<br>Electricity-saved (1-hour) | 每天节电度数<br>Electricity-saved (1-day) |
|------------------------|------------|---|---|---------------------------------|--|-------------------------------------|
| kW                     | (M³/min)   | Kw/(m³/min)                             | Kw/(m³/min)                             | Kw/(m³/min)                     | Kwh  | Kwh                                 |
| 11                     | 1.81       | ≤ 10.2                                  | ≤ 8.9                                   | 7.64                            | 2.28   | 55                                  |
| 15                     | 2.60       | ≤ 9.5                                   | ≤ 8.4                                   | 7.38                            | 2.65   | 64                                  |
| 18.5                   | 3.3        | ≤ 9.5                                   | ≤ 8.4                                   | 7.26                            | 3.76   | 90                                  |
| 22                     | 3.9        | ≤ 8.9                                   | ≤ 8.1                                   | 7.1                             | 3.9  | 94                                  |
| 30                     | 4.92       | ≤ 8.9                                   | ≤ 8.1                                   | 7.68                            | 2.06   | 49                                  |
| 37                     | 6.3        | ≤ 8.9                                   | ≤ 8.1                                   | 7.2                             | 5.67   | 136                                 |
| 45                     | 7.5        | ≤ 8.9                                   | ≤ 8.1                                   | 7.6                             | 3.75   | 90                                  |
| 55                     | 10.3       | ≤ 8.4                                   | ≤ 7.3                                   | 6.88                            | 4.33   | 104                                 |
| 75                     | 12.6       | ≤ 8.4                                   | ≤ 7.3                                   | 7.09                            | 2.65   | 63                                  |
| 90                     | 16.11      | ≤ 8.4                                   | ≤ 7.3                                   | 6.98                            | 5.15   | 124                                 |
| 110                    | 19.6       | ≤ 8.1                                   | ≤ 7.1                                   | 6.94                            | 3.14   | 75                                  |
| 132                    | 22.21      | ≤ 8.1                                   | ≤ 7.1                                   | 7.0                             | 2.22   | 53                                  |

上表所列是排气压力为0.8Mpa，风冷型电动螺杆空压机的节能数据。（节电度数以每天工作24小时计算）

The given data based on the exhaust pressure 0.8MPa, air cooling screw air compressor. (24 hours for one day)



**结构设计**  
具有自主结构设计专利的油气桶摆放位置，非常方便维护保养。

**Structure design**  
Independent structure design patent of the oil-air separating tank installation position, more convenient for maintenance.



**电机**  
优质品牌电机，防护等级IP54，绝缘等级F级，脂润滑，SKF轴承，高效率，也可根据用户要求特殊设计。

**Motor**  
High-quality well known brand motor, protection level IP54, insulation level F, grease lubrication, SKF bearing, high efficiency, special design according to the customers' requirement.



**控制阀**  
具有专利技术的控制阀(专利号:200820164694.2)确保控制万无一失，使用寿命十年以上。

**Control Valve**  
The control valve with patent technology (the patent number is 200820164694.2) ensures the control without failure and the service life more than ten years.



**主机**  
具有专利技术的高性能主机确保整机超节能，功耗比同类产品低10%以上。

**Airend**  
The high-performance airend with the patent technology ensures the energy saving of the whole machine and the energy consumption is over 10% lower than the same products.



**油气桶**  
独特设计的油气分离桶加上优质油分芯，回油量每立方米每分钟≤0.45克，使空气含油量≤2PPM。

**Air oil separating barrel**  
The unique design of air oil separating barrel with the high-quality oil separating core and oil return quantity ≤ 0.45 g per cube meter per minute makes the oil content in air ≤ 2PPM.



**冷却系统**  
采用散热效果最好的吸风式冷却系统确保机器在50°C的高温下正常工作。

**Cooling System**  
The induced-draft cooling system with the best radiation effect ensures the air compressor failure free operation at 50°C.

CMN/A 系列微油螺杆压缩机技术参数

Technical parameters of micro oil screw air compressor of CMN/A series

| 型号<br>Model | 最大工作压力<br>Maximum work pressure | 流量<br>FAD            | 供气温度<br>Air supply temperature          | 电机功率<br>Motor Power | 噪音<br>Noise | 供气含油量<br>Oil content (supply air) | 净重<br>Net weight | 冷却风扇功率<br>Cooling fan power | 排气口尺寸<br>Air outlet diameter | 外形尺寸<br>Dimension<br>L×W×H<br>mm |
|-------------|---------------------------------|----------------------|---|---------------------|-------------|-----------------------------------|------------------|-----------------------------|------------------------------|----------------------------------|
|             | MPa                             | M <sup>3</sup> / min | °C                                      | kW                  | dB(A)       | PPM                               |                  |                             |                              |                                  |
| CMN08A      | 0.8                             | 1.31                 | ≤环境温度+15°C<br>≤ambient temperature+15°C | 7.5                 | 62          | ≤2                                | 302              | 0.12 × 1                    | 3/4"                         | 990 × 640 × 980                  |
|             | 1.0                             | 1.11                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN11A      | 0.8                             | 1.81                 |   | 11                  | 62          |                                   | 322              | 0.12 × 1                    | 3/4"                         | 990 × 640 × 980                  |
|             | 1.0                             | 1.52                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN15A      | 0.8                             | 2.60                 |   | 15                  | 63          |                                   | 505              | 0.37 × 1                    | 1"                           | 1250 × 790 × 1290                |
|             | 1.0                             | 2.35                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN18A      | 0.8                             | 3.30                 |   | 18                  | 65          |                                   | 535              | 0.37 × 1                    | 1"                           | 1250 × 790 × 1290                |
|             | 1.0                             | 2.90                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN22A      | 0.8                             | 4.92                 |   | 22                  | 65          |                                   | 565              | 0.37 × 1                    | 1"                           | 1250 × 790 × 1290                |
|             | 1.0                             | 2.40                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN30A      | 0.8                             | 3.90                 |   | 30                  | 66          |                                   | 730              | 1.3 × 1                     | 1 1/2"                       | 1500 × 950 × 1420                |
|             | 1.0                             | 3.50                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN37A      | 0.8                             | 6.30                 | 37                                      | 67                  | 770         | 1.3 × 1                           | 1 1/2"           | 1500 × 950 × 1420           |                              |                                  |
|             | 1.0                             | 5.50                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN45A      | 0.8                             | 4.92                 | 45                                      | 68                  | 1196        | 1.8 × 1                           | 2"               | 1850 × 1105 × 1600          |                              |                                  |
|             | 1.0                             | 4.22                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN55A      | 0.8                             | 3.90                 | 55                                      | 70                  | 1290        | 1.8 × 1                           | 2"               | 1850 × 1105 × 1600          |                              |                                  |
|             | 1.0                             | 3.50                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN75A      | 0.8                             | 6.30                 | 75                                      | 73                  | 1570        | 2.2 × 1                           | 2"               | 1900 × 1200 × 1660          |                              |                                  |
|             | 1.0                             | 5.50                 |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN90A      | 0.8                             | 6.30                 | 90                                      | 73                  | 2270        | 0.37 × 1                          | 2 1/2"           | 2000 × 1320 × 1905          |                              |                                  |
|             | 1.0                             | 16.11                |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN110A     | 0.8                             | 14.52                | 110                                     | 78                  | 2290        | 0.37 × 1                          | 2 1/2"           | 2000 × 1320 × 1905          |                              |                                  |
|             | 1.0                             | 12.30                |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN132A     | 0.8                             | 9.50                 | 132                                     | 78                  | 2550        | 0.37 × 1                          | 2 1/2"           | 2000 × 1370 × 1980          |                              |                                  |
|             | 1.0                             | 20.10                |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN160A     | 0.8                             | 20.38                | 160                                     | 78                  | 3800        | 0.37 × 1                          | 3"               | 2900 × 1720 × 2100          |                              |                                  |
|             | 1.0                             | 18.29                |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN200A     | 0.8                             | 15.10                | 200                                     | 78                  | 4100        | 0.37 × 1                          | 4"               | 3100 × 1800 × 2292          |                              |                                  |
|             | 1.0                             | 23.10                |   |                     |             |                                   |                  |                             |                              |                                  |
| CMN250A     | 0.8                             | 28.85                | 250                                     | 78                  | 4500        | 0.37 × 1                          | 4"               | 3100 × 1800 × 2292          |                              |                                  |
|             | 1.0                             | 24.52                |   |                     |             |                                   |                  |                             |                              |                                  |

\*水冷型下面加W，如CMN37AW表示水冷型机组  
CMN37AW as the cooling unit, "W" represents water cooling type

型号表示方法:



# CMN/PV系列永磁变频微油螺杆压缩机

Permanent magnet micro oil screw air compressor of variable frequency of CMN/PV series



● 高品质安全阀和最小压力阀。  
High quality safety valve and minimum pressure valve



● 取得发明专利的超静音进气系统设计  
Super silent inlet system design of patented invention.



● 精密温度传感器  
Precision temperature sensor



● 超静音离心风机  
Super silent centrifugal fan



● 日本SMC电磁控制阀  
Japan SMC electromagnetic control valve



● 辛麦恩独创的专利控制阀  
CMN original patented control valve



● 超一级能效的永磁电机，效率97%，达到IE4能效等级。  
Super energy consumption saving of permanent magnet motor, the efficiency reaches 97% of IE4 energy consumption level



● 获得多项发明专利的辛麦恩高性能主机，每转一圈压缩12次。  
Many number of invention patents of CMN air end and with high performance, each turn 12 times compression.



● 高品质触摸屏控制系统 High quality touch screen control system.

● 人性化设计 保养维护、使用记录小册随机携带  
Humanized design, maintenance and operation manual onboard

## 超静音 超一级能耗

Super quiet, excellent energy saving.

- 创新设计，各种进气管道完全独立  
Innovative design and complete independent of various inlet air channel
- 独立的空气进气通道  
Independent air inlet channel
- 独立的电机气冷却通道  
Independent motor air cooling channel
- 独立的主机气冷却通道  
Independent air end air cooling channel

### CMN/PV超1级能效、超静音、永磁变频螺杆压缩机

Super energy-saving screw air compressor of permanent magnet variable frequency of CMN/PV series

★颠覆性设计：永磁电机配合专用变频驱动器及辛麦恩自有专利逻辑编程控制系统，实现能耗的最大化利用，只要设定压力，系统自动实现恒压供气，压力波动小于0.5bar。通过以下方式降低能耗

The disruptive design of permanent magnet motor with inverter and patented logical programming control system of CMN, it maximizes the efficiency of energy consumption. From 0.4MPa to 1.2MPa, the constant pressure constant supply. Reduce energy consumption by following ways:

- 避免卸载功耗  
Avoid energy consumption of unload.
- 消除从满载到卸载的低效转换过程  
Eliminate inefficient conversion from full load to unload.
- 保持管道压力平衡  
Maintain pressure balance of pipe.
- 降低平均工作压力，基本不在上限压力运行  
Reduce the average work pressure; do not run at the upper limit pressure
- 压力范围任意设定（购机时需要确定最高压力），可最大程度降低能耗（同流量情况下，压力每升高0.1Mpa，功耗升高7%）。  
The pressure can be set within the range of 0.4-1.2MPa under the requirement of end-users (the users should determine the maximum pressure when buy the air compressor), can reduce the energy consumption maximally (the same flow rate, the pressure increased by 0.1Mpa, the power increased by 7%).
- 软启动特性增加了电流平衡，避免了电流对电网的冲击，同时避免了电机自身的机械冲击。  
The soft starting increases the current balance, and avoids the impact of the current on the grid, it also avoids the mechanical impact of the motor itself.
- 无接触器，避免电接触故障，运行更加节能可靠。  
No contactor which avoids electrical contact fault, and the operation is more reliable and energy saving.

### ★双变频现场静音型（风机变频可选）

Double frequency converter- quiet type(Fan frequency conversion optional)

机组整体全新设计，对进气系统、冷却系统、变频电机驱动系统和空间都进行了更科学的优化，实现能源最大化利用的同时噪音也大大降低。适合用户现场使用。

传统空压机由于噪音大都需要独立机房。空压机房到用气车间都需要长长的管道，管道长度，弯到都会造成压降，造成了能源浪费。

The new design of the whole unit makes a more scientific optimization of the inlet air system, cooling system, frequency conversion motor, drive system and space. At the same time, the energy is maximized and the noise is greatly reduced. It is suitable for user on-site use.

Traditional air compressor needs independent room mostly because of noise. The air compressor room needs a long pipe to the gas workshop, and the pipe length and bend will cause pressure drop, which leads to waste of energy.

### CMN/PV系列永磁变频微油螺杆压缩机技术参数

Technical parameters of permanent magnet variable frequency micro oil screw air compressor of CMN/PV series

| 型号<br>Model | 最大工作压力<br>Maximum work pressure | 流量<br>FAD            | 供气温度<br>Air supply temperature              | 电机功率<br>Motor Power | 噪音<br>Noise | 供气含油量<br>Oil content (supply air) | 净重<br>Net weight | 冷却风扇功率<br>Cooling fan power | 出口口尺寸<br>Air outlet diameter | 外形尺寸<br>Dimension  |
|-------------|---------------------------------|----------------------|---|---------------------|-------------|-----------------------------------|------------------|-----------------------------|------------------------------|--------------------|
|             | MPa                             | M <sup>3</sup> / min | °C  | kW                  | dB(A)       | PPM                               | Kg               | kW                          | Inch                         | L×W×H<br>mm        |
| CMN08PV     | 0.8                             | 0.34 - 1.38          | ≤环境温度 + 15°C<br>≤ambient temperature + 15°C | 7.5                 | 62          | ≤2                                | 317              | 0.12 × 1                    | 3/4"                         | 1220 × 640 × 980   |
|             | 1.0                             | 0.29 - 1.17          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN11PV     | 0.8                             | 0.48 - 1.90          |   | 11                  | 62          |                                   | 337              | 0.12 × 1                    | 3/4"                         | 1220 × 640 × 980   |
|             | 1.0                             | 0.40 - 1.60          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN15PV     | 0.8                             | 0.68 - 2.73          |   | 15                  | 63          |                                   | 635              | 0.55 × 1                    | 1"                           | 1511 × 900 × 1460  |
|             | 1.0                             | 0.63 - 2.50          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN18PV     | 0.8                             | 0.88 - 3.50          |   | 18                  | 65          |                                   | 650              | 0.55 × 1                    | 1"                           | 1511 × 900 × 1460  |
|             | 1.0                             | 0.78 - 3.10          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN22PV     | 0.8                             | 1.03 - 4.10          |   | 22                  | 65          |                                   | 665              | 0.55 × 1                    | 1"                           | 1511 × 900 × 1460  |
|             | 1.0                             | 0.93 - 3.70          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN30PV     | 0.8                             | 1.30 - 5.20          |   | 30                  | 66          |                                   | 1010             | 1.3 × 1                     | 1 1/2"                       | 1900 × 950 × 1620  |
|             | 1.0                             | 1.11 - 4.43          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN37PV     | 0.8                             | 1.65 - 6.60          |   | 37                  | 67          |                                   | 1030             | 1.3 × 1                     | 1 1/2"                       | 1900 × 950 × 1620  |
|             | 1.0                             | 1.45 - 5.80          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN45PV     | 0.8                             | 1.98 - 7.90          |   | 45                  | 68          |                                   | 1176             | 1.8 × 1                     | 1 1/2"                       | 2070 × 1100 × 1790 |
|             | 1.0                             | 1.65 - 6.60          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN55PV     | 0.8                             | 2.70 - 10.80         |   | 55                  | 70          |                                   | 1230             | 1.8 × 1                     | 2"                           | 2070 × 1100 × 1790 |
|             | 1.0                             | 2.40 - 9.60          |   |                     |             |                                   |                  |                             |                              |                    |
| CMN75PV     | 0.8                             | 3.31 - 13.23         |   | 75                  | 73          |                                   | 1440             | 2.2 × 1                     | 2"                           | 2275 × 1200 × 1660 |
|             | 1.0                             | 3.03 - 12.10         |   |                     |             |                                   |                  |                             |                              |                    |
| CMN90PV     | 0.8                             | 4.23 - 16.90         | 90  | 73                  | 1800        | 0.37 × 1                          | 2 1/2"           | 2000 × 1320 × 1905          |                              |                    |
|             | 1.0                             | 3.81 - 15.25         |   |                     |             | 4.0 × 1                           |                  |                             |                              |                    |
| CMN110PV    | 0.8                             | 5.28 - 21.10         | 110   | 78                  | 2080        | 0.37 × 1                          | 2 1/2"           | 2000 × 1320 × 1905          |                              |                    |
|             | 1.0                             | 4.50 - 18.00         |   |                     |             | 4.0 × 1                           |                  |                             |                              |                    |
| CMN132PV    | 0.8                             | 6.08 - 24.30         | 132   | 78                  | 2200        | 0.37 × 1                          | 2 1/2"           | 2000 × 1370 × 1980          |                              |                    |
|             | 1.0                             | 5.35 - 21.40         |   |                     |             | 4.0 × 1                           |                  |                             |                              |                    |
| CMN160PV    | 0.8                             | 7.58 - 30.30         | 160   | 78                  | 4000        | 3.5 × 2                           | 3"               | 2950 × 1720 × 2350          |                              |                    |
|             | 1.0                             | 6.45 - 25.80         |   |                     |             |                                   |                  |                             |                              |                    |
| CMN200PV    | 0.8                             | 9.63 - 38.50         | 200   | 78                  | 4200        | 5.5 × 2                           | 4"               | 3270 × 1800 × 2322          |                              |                    |
|             | 1.0                             | 8.60 - 34.40         |   |                     |             |                                   |                  |                             |                              |                    |
| CMN250PV    | 0.8                             | 11.10 - 44.20        | 250   | 78                  | 4450        | 5.5 × 2                           | 4"               | 3270 × 1800 × 2322          |                              |                    |
|             | 1.0                             | 10.00 - 40.20        |   |                     |             |                                   |                  |                             |                              |                    |
|             | 1.25                            | 8.93 - 35.70         |   |                     |             |                                   |                  |                             |                              |                    |

\*水冷型下面加W,如CMN37PVW表示水冷型机组  
CMN37PVW as the cooling unit, "W" represents water cooling type

## CMN/D系列超级节能低压微油螺杆压缩机

Super energy-saving low pressure micro oil screw air compressor of CMN/D series



掌握螺杆压缩机核心生产技术的辛麦恩团队可以根据用户的要求设计生产出压缩比3至6的各类低压螺杆压缩机主机，从而设计出最节能的供气压力0.3Mpa~0.6Mpa的各类低压压缩机，比采用常规主机生产的低压螺杆压缩机节能30%以上，可以减少巨大的能源消耗。

CMN team has mastered the core production technology of screw air compressor and we can design and produce kinds of low pressure compression ratio 3-6 airend for screw air compressors according to the requirement of the customers. The various CMN low pressure (0.3Mpa-0.6Mpa) compressors can be more than 30% energy-saving compared with general screw air compressors.

辛麦恩低压系列压缩机已广泛应用于塑料、玻璃、纺织、化工等。

CMN low pressure series air compressor has been widely applied to plastic, glass, textile, chemical industry and etc.



纺织行业有很多场所需要用到一些无油、微油低压压缩空气。  
In textile industry, oil-free and micro oil low pressure compressed air is needed in many occasions.



各类玻璃瓶依靠低压螺杆压缩空气吹制成型，既节约了能源，又能吹出完美的形状。  
All kinds of glass bottle is shaped by the low pressure air compressor. It saves energy resources and blows perfect shape.



化工行业的某些工艺（如压滤、输送）都需要低压压缩空气。  
The chemical industry (filter pressing, transmission) needs low pressure compressed air.



在水泥输送过程中，较低压力的压缩空气既完成输送，又不至于将水泥吹得到处飞扬。  
In the cement transportation process, the low pressure compressed air helps the work of transportation and also avoids blowing everywhere.

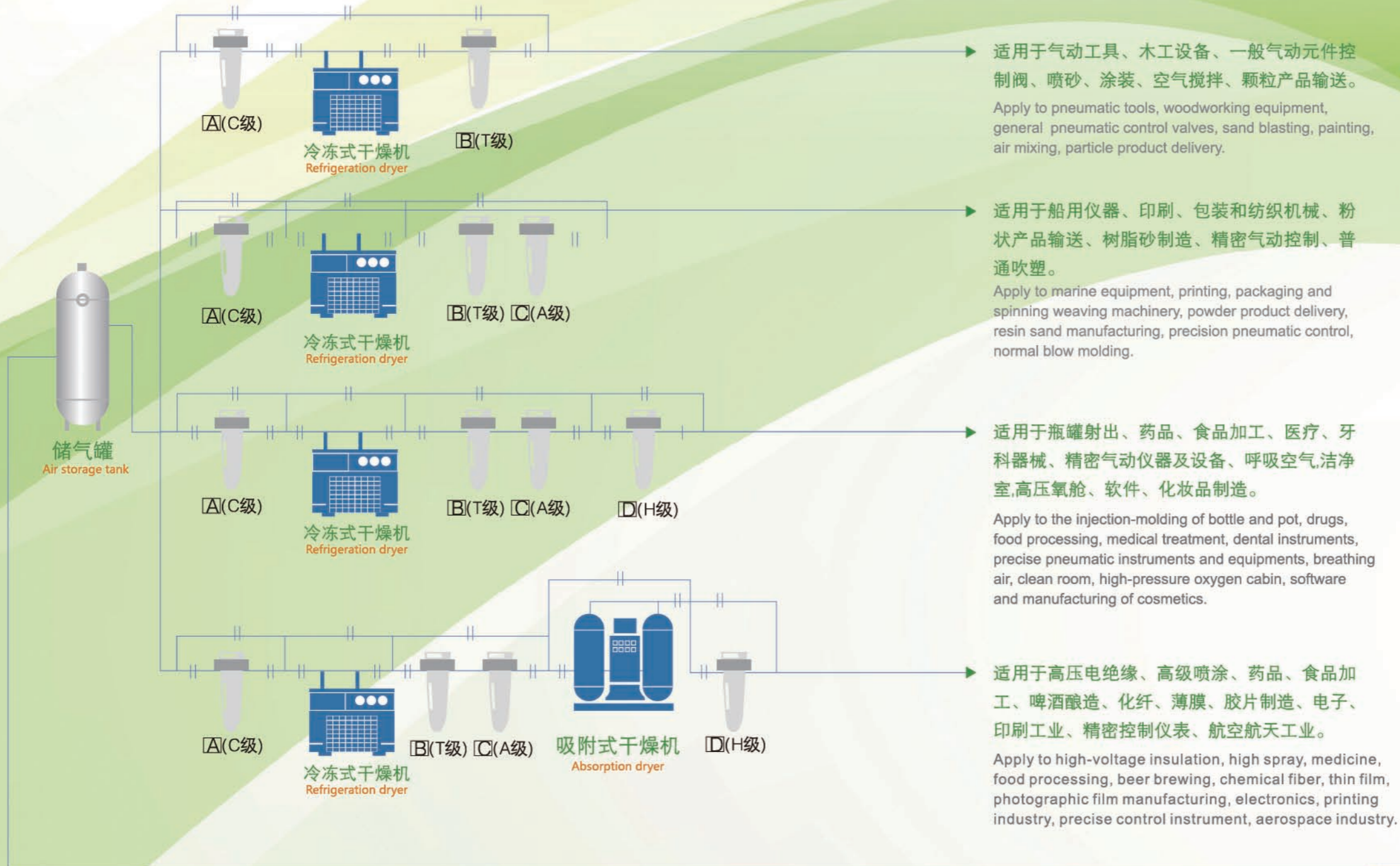
## CMN/D系列低压微油螺杆压缩机技术参数

Technical parameters of low pressure micro oil screw air compressor of CMN/D series

| 型号<br>Model | 最大工作压力<br>Maximum work pressure | 流量<br>FAD            | 供气温度<br>Air supply temperature          | 功率<br>Power |     | 噪音<br>Noise | 供气含油量<br>Oil content (supply air) | 重量<br>Weight | 冷却风扇功率<br>Cooling fan power | 压缩空气<br>出口管径<br>Compressed Air<br>Outlet Diameter | 外形尺寸<br>Dimension |
|-------------|---------------------------------|----------------------|---|-------------|-----|-------------|-----------------------------------|--------------|-----------------------------|---|-------------------|
|             | MPa                             | M <sup>3</sup> / min | ℃                                       | kW          | HP  | dB(A)       | PPM                               | kg           | kW                          | inch  | L×W×H<br>mm       |
| CMN22D      | 0.4                             | 4.92                 | ≤环境温度+15℃<br>≤ ambient temperature +15℃ | 22          | 30  | 65          | ≤2                                | 770          | 0.45                        | 2"  | 1500×950×1400     |
| CMN30D      | 0.4                             | 6.3                  |   | 30          | 40  | 66          |                                   | 1250         | 1.8                         | 2 1/2"  | 1850×1105×1600    |
| CMN37D      | 0.4                             | 7.5                  |   | 37          | 50  | 67          |                                   | 1290         | 1.8                         | 2 1/2"  | 1850×1105×1600    |
| CMN45D      | 0.4                             | 10.3                 |   | 45          | 60  | 68          |                                   | 1476         | .3                          | 3"  | 1900×1200×1660    |
| CMN55D      | 0.4                             | 12.6                 |   | 55          | 75  | 70          |                                   | 1570         | .3                          | 3"  | 1900×1200×1660    |
| CMN75D      | 0.4                             | 16.11                |   | 75          | 100 | 73          |                                   | 2290         | 0.37 × 1<br>4.0 × 1         | 3"  | 2000×1320×1980    |
| CMN90D      | 0.4                             | 20.1                 |   | 90          | 125 | 73          |                                   | 2250         | 0.37 × 1<br>4.0 × 1         | 3"  | 2000×1370×1980    |
| CMN110D     | 0.4                             | 23.1                 |   | 110         | 150 | 78          |                                   | 3700         | 0.37 × 1<br>4.0 × 1         | 4"  | 2830×1900×2325    |
| CMN132D     | 0.4                             | 28.85                |   | 132         | 175 | 78          |                                   | 3760         | 3.5 × 2                     | 4"  | 2830×1900×2325    |
| CMN160D     | 0.4                             | 36.63                |   | 160         | 215 | 78          |                                   | 4430         | 3.5 × 2                     | 5"  | 3200×2000×2500    |
| CMN185D     | 0.4                             | 42.88                | 185                                     | 250         | 78  | 5000        | 5.5 × 2                           | 5"           | 3200×2000×2500              |   |                   |

本系列全部有变频机型可供选择，型号表述为：CMN/DV  
CMN/DV is the model available for variable speed drive type

其他压力和特殊要求，请咨询400 119 7888  
Other special requirement for different range of pressure, please contact 400 119 7888



## CMN螺杆空压机 CMN screw air compressor

