



Two-stage PM (oil-cooled) integrated screw
AIR COMPRESSOR

MAX2.0 SERIES

两级压缩 永磁变频(油冷)一体螺杆压缩机

功率:30~132kw; 压力:8bar

<http://www.schneider.com.cn>

上海施耐德日盛机械集团科技有限公司
Shanghai Schneider-Sunshine Mechanical Group Technology Co., Ltd.

+86 021-56977777

+86 021 66053333

400-820-2380
800-820-2380



上海市宝山区沪太路8889号
No. 8889 Hutai Road, Shanghai, China

sales@schneider.com.cn

两级永磁变频(油冷)一体螺杆压缩机

TWO STAGE(OIL-COOLED) PM FREQUENCY INVERTER COMPACT TYPE SCREW AIR COMPRESSOR



整体特点介绍:

Compressor features Introduction:

- 1、整机系统设计达到国家一级能效;
- 2、采用轴流风机冷却,低转速,低噪音;
- 3、知名品牌汇川变频器,节能效果达到极致;
- 4、采用独特进风设计,提高节能效果,延长寿命;
- 5、超大分离系统设计,提高使用寿命;
- 6、主机两级压缩两对转子上下布局,效率高;
- 7、采用油冷一体电机设计,减少轴功率损耗,提高能效;
- 8、可搭载PLC智慧控制系统,智能化控制运行;
- 9、空滤总成采用卧式结构,螺旋过滤设计,噪音低,过滤效果更好。

- 1、The whole system is designed to achieve national level energy efficiency;
- 2、The use of axial fan cooling, low speed, low noise.
- 3、Well-known brand Huichuan frequency converter, energy saving effect reaches the ultimate;
- 4、Using unique air intake design to improve energy saving effect and prolong life;
- 5、Oversized separation system design, improve service life;
- 6、Host two-stage compression two pairs of rotors up and down layout, high efficiency;
- 7、The use of oil-cooled integrated motor design, reduce shaft power loss, improve energy efficiency;
- 8、Can be equipped with PLC intelligent control system, intelligent control operation;
- 9、The air filter assembly adopts horizontal structure, spiral filter design, low noise, better filtration effect.

① 高效永磁油冷电机

High efficiency PM (Oil COOLED) motor

电机防护等级IP65, F级绝缘等级, 耐高温 $\geq 150^{\circ}\text{C}$, 采用主机与电机可拆卸的直连方式减少了功率的损耗, 提高能效。

Motor Protection Grade IP65, class H insulation, high temperature $\geq 150^{\circ}\text{C}$, The use of a detachable direct connection between the air-end and motor reduces power loss, improve energy efficiency.

② 上下级螺杆主机

Two stage compressor air end

30~132KW采用15个轴承配置, 160~250KW采用20个轴承配置, 可承受2.0MPa压力, 超长寿命、高效、低噪音、低振动、高可靠性, 提供高性能的压缩机主机。

30~132 kw air end adopt 15 pcs bearing and 160~250 kw air end adopt 20 pcs bearings. It can stand 2.0 pressure. Supplied high performance air end as long working life, high efficiency, low noise and low vibration.

③ 轴流风机

Axial flow fan

采用高性价比轴流风机设计, 高效散热, 经济节能。

Adopting efficient cost-effective axial flow fan design, efficient heat dissipation, economical and energy-saving.



④ 空气滤芯

Air Filter Element

- 1.采用特殊的过滤介质, 融灰量高
- 2.径向密封采用合成橡胶。
- 3.不含金属件, 处置对生态无害
- 4.折褶成型稳定, 可防止折褶在恶劣工作状态下粘在一起

1. The unique filtration layer, let ash high quantity
2. Radial sealing to use synthetic rubber
3. Do not contain metal parts durable and environmental protection
4. Fold down forming stability, can prevent fold down in bad condition bond to do work together.

⑤ 智能控制屏

Intelligent Touch Screen

- 1.中英文界面显示可选, 操作方便。
- 2.压力、温度等各种参数按预设值进行监测及控制。
- 3.故障自动报警及保护, 历史运行储存及查询。
- 4.可实现远程监控或空压机之间多台联动控制。

1. Chinese and English interface display optional, easy to operate.
2. Pressure, temperature and other parameters according to preset for continuous monitoring, display and control.
3. Fault automatic alarm and protection, history can be stored and queried.
4. It can realize computer remote monitoring communication or multiple linkage control between air compressors.



主机优势

AIR END ADVANTAGE

产品特点

- 20个轴承结构
主机采用20个轴承结构，排气端选用高速角接触轴承，行业最高配置可承受最高压力2.0MPa
- 加强型壳体
采用高强度铸铁材质，加厚、加强型壳体设计，从而降低了主机的振动，提高了主机整体的使用寿命。
- 内置油路设计
机体采用内置油路设计，外观整体紧凑，降低了整机安装成本

PRODUCT FEATURE

- 20 bearing structures
The air end adopts a 20-bearing structure, and the exhaust end uses high-speed angular contact bearings. It has the highest configuration in the field, and can withstand the highest pressure of 2.0 MPa.
- Reinforced housing
Adopts high-strength cast iron and has a thickened and reinforced shell design, which reduces the vibration of the host and increases the overall working life of the air end.
- Built-in oil circuit design
The machine body adopts a built-in oil circuit design, and the overall appearance is compact, which reduces the installation cost of the whole machine.

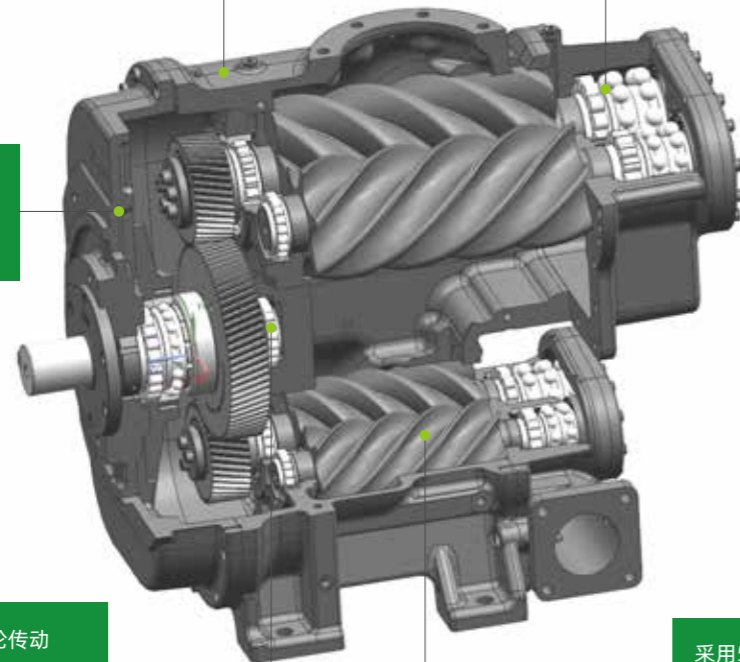
加大及加厚箱体外形，抗变形能力强
Thickened and reinforced housing design, Strong anti-deformation ability.

20个轴承结构
Whole set with 20 pcs bearing construct

可连接柴油移动式空压机动力
Can be connected to diesel mobile air compressor power

采用高精度、低噪音斜齿轮传动
Adopt high precision and low noise helical gear drive

采用5:6高精度型线大流量设计
Rotor adopt 5:6 high precision profile line and big air flow design



两级一体螺杆压缩机技术参数 (8Bar)

Two stage screw integrated air compressor technical parameter (8Bar)

| 型号 Model | 主机型号 Air end Model | 功率 Wattage (kw) | 排气压力 Exhaust pressure(Bar) | 排气量 Free air delivery (m³/min) | 出口管径 Calibre (inch) | 噪音 Noise (dB) | 重量 Weight (KG) | 外形尺寸 Dimension L*W*H(mm) |
|---------------|--------------------------|-----------------------|----------------------------------|--------------------------------------|---------------------------|---------------------|----------------------|--------------------------------|
| SRC-50SA-PMT | SRC-37NC | 37 | 6 | 8.1 | G2 | ≤75 | 860 | 1360X1135X1580 |
| | | | 7 | 7.6 | | | | |
| | | | 8 | 7.1 | | | | |
| | | | 10 | 6.3 | | | | |
| SRC-60SA-PMT | SRC-55NC | 45 | 6 | 11.1 | G2-1/2 | ≤80 | 1120 | 1570X1265X1800 |
| | | | 7 | 10.2 | | | | |
| | | | 8 | 9.5 | | | | |
| | | | 10 | 8.6 | | | | |
| SRC-75SA-PMT | SRC-55NC | 55 | 6 | 13.8 | G2-1/2 | ≤80 | 1180 | 1570X1265X1800 |
| | | | 7 | 13.1 | | | | |
| | | | 8 | 12.3 | | | | |
| | | | 10 | 10.6 | | | | |
| SRC-75SA-PMT | SRC-75NC | 55 | 6 | 14.2 | G2-1/2 | ≤80 | 1560 | 1620X1365X2140 |
| | | | 7 | 13.4 | | | | |
| | | | 8 | 12.8 | | | | |
| | | | 10 | 11.2 | | | | |
| SRC-100SA-PMT | SRC-75NC | 75 | 6 | 17.9 | G2-1/2 | ≤80 | 1600 | 1620X1365X2140 |
| | | | 7 | 16.8 | | | | |
| | | | 8 | 15.8 | | | | |
| | | | 10 | 13.7 | | | | |
| SRC-120SA-PMT | SRC-110NC | 90 | 6 | 22.0 | G3 | ≤85 | 1850 | 1860X1555X2170 |
| | | | 7 | 20.9 | | | | |
| | | | 8 | 20.3 | | | | |
| | | | 10 | 17.0 | | | | |
| SRC-150SA-PMT | SRC-110NC | 110 | 6 | 26.9 | G3 | ≤85 | 2035 | 1860X1555X2170 |
| | | | 7 | 24.8 | | | | |
| | | | 8 | 23.6 | | | | |
| | | | 10 | 19.3 | | | | |
| SRC-175SA-PMT | SRC-110NC | 132 | 6 | 30.7 | G3 | ≤85 | 2170 | 1860X1555X2320 |
| | | | 7 | 29.3 | | | | |
| | | | 8 | 27.5 | | | | |
| | | | 10 | 24.3 | | | | |

30~132 KW两级一体螺杆压缩机
30~132KW TWO STAGE SCREW INTEGRATED AIR COMPRESSOR

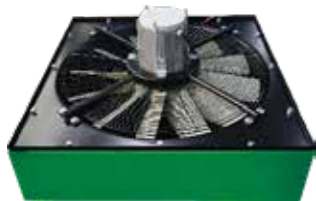
顶排 Top row



上下两级一体机
Up and down two stage whole set



高效油气分离器
Efficient oil and air separator



轴流风机
Axial flow fan



温控油滤座
Temperature controlled oil filter seat

油滤
Oil filter



油分芯
Oil cores



智能控制屏
Intelligent operation screen



变频器
Frequency converter



进气阀
Inlet valve



空气进气过滤器
Air intake filter

