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雪人集团
SNOWMAN GROUP



官方微信



营销服务联系方式

福建雪人集团股份有限公司

地址：福建省福州市长乐区航城街道洞江西路8号

电话：+86 (591) 2870 1111

传真：+86 (591) 2870 9222

邮箱：info@snowkey.com

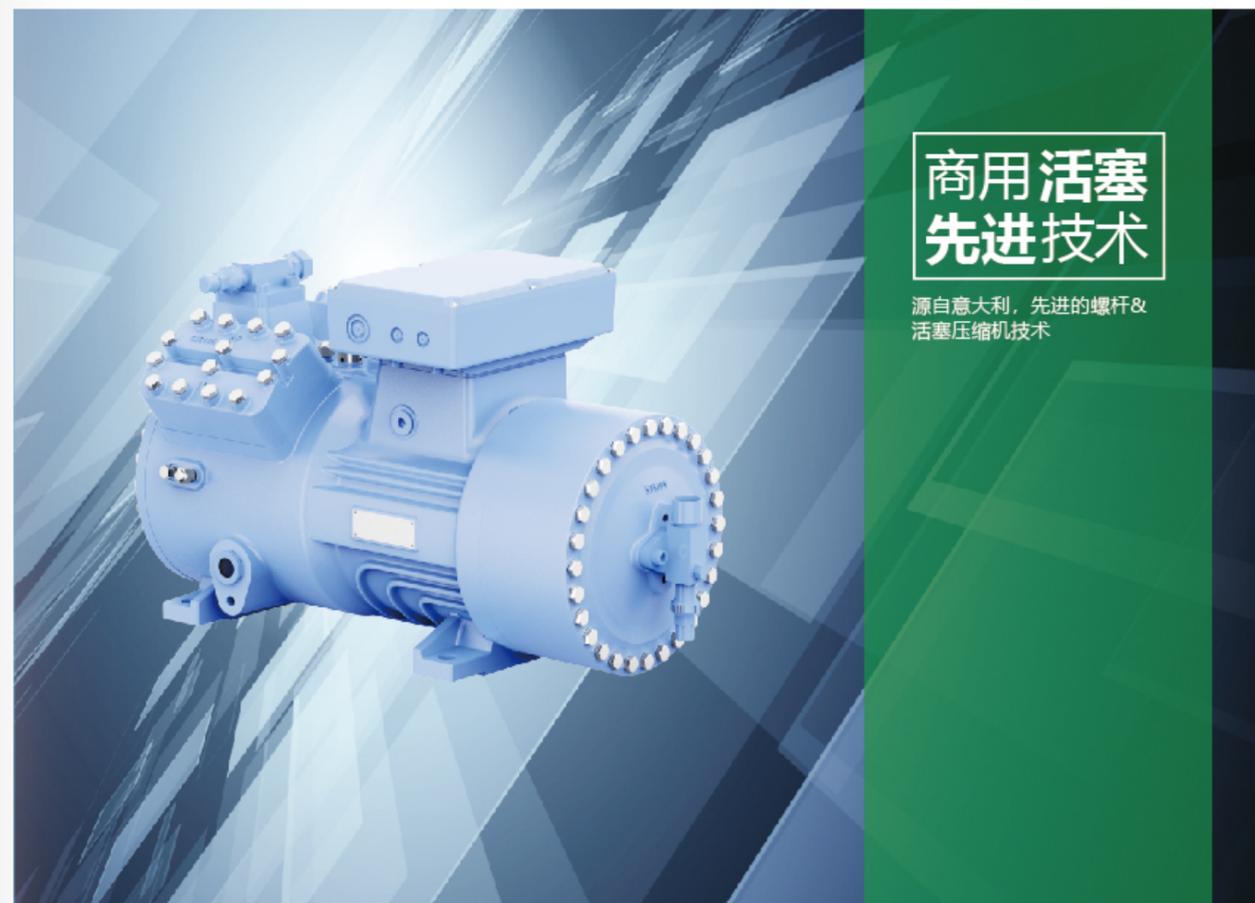
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雪人集团保留不预先通知便可自行改变其产品的权利，产品技术参数以订货合同或合同技术附件为准。

RefComp

Reciprocating Compressor

SPT 系列半封闭跨临界CO₂活塞压缩机



**商用活塞
先进技术**

源自意大利，先进的螺杆&
活塞压缩机技术

全球统一服务热线
400-109-6660



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SPT系列半封闭活塞压缩机结构图

SPT系列压缩机是使用天然工质CO₂的半封闭活塞压缩机，采用特殊机体材料，能够适应跨临界CO₂压力与温度交变及机体吸、排气端温差大等因素带来的影响，大幅提升了设备的稳定性和使用寿命。该系列压缩机适用于CO₂跨临界压缩循环，可应用于商超、冰雪运动场馆、冷链物流、食品加工、CO₂热泵等领域，有效提升能源品位，达到节能减碳的目的。

电机保护

- 搭载INT69B2电机保护模块；
- 动态监控及系统运行信息跟踪，实现可预见性提醒及安全保护。



吸气过滤器

- 内置精密吸气过滤器，有效过滤制冷剂气体中杂质并保护电机，更换维护便捷。



安全阀

- 配置安全阀，保证运行安全可靠；
- 高规格的设计要求，密封可靠、动作灵敏。



阀板

- 可靠的阀板设计，采用耐冲击弹簧钢阀片，换气迅速、可靠，使用寿命长。



机体

- 高压区域设计压力可达160bar，采用先进的设计理念，高强度金属铸造壳体，保证壳体强度满足要求；
- 低压降进气流道设计，进气阻力小。



曲轴、连杆、活塞

- 曲轴结构紧凑，自带平衡块；选用高强度金属材料，经特殊热处理，强度、耐磨性均可满足高负荷运行；
- 连杆与活塞均采用耐磨高强度铝合金制造，可以承受运行过程中的高强度冲击载荷，同时轻量化的结构设计使的压缩机运行更平稳。



轴承

- 采用滑动轴承、止推衬套组合配对，在径向、轴向支撑曲轴高效旋转，精密公差设计与复合材料的使用使曲轴回转高效、平稳。



电机

- 特殊设计的高效电机能够提供更强的动力；
- 可搭载变频电机，实现矢量调节。



备注：1、使用环保型制冷剂CO₂，在安全及环保方面要求比较高的区域使用优势明显，环保效益明显；
2、结构紧凑效率高，SPT系列压缩机可以用更小的体积实现与普通压缩机一样的制冷量。

型号说明

| | | | | | | |
|-----|-----|---|---|---|---|---|
| 压缩机 | SPT | 4 | 1 | - | 4 | L |
|-----|-----|---|---|---|---|---|

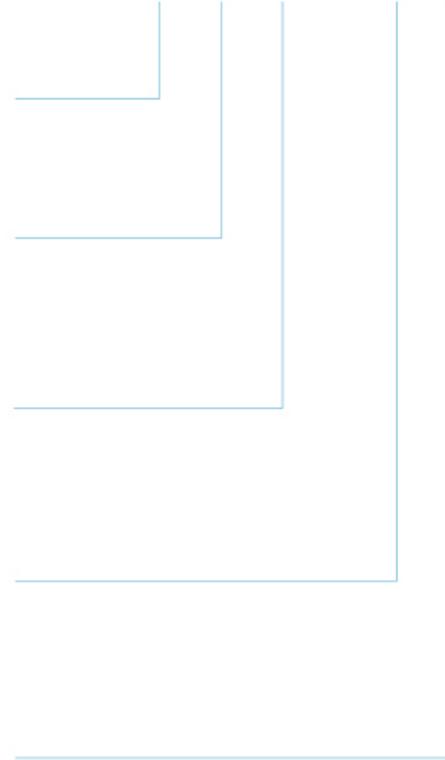
| 系列 | |
|-----|-----------------|
| SPT | 半封闭跨临界二氧化碳活塞压缩机 |

| 汽缸数量 | |
|------|-------|
| 4 | 4缸、6缸 |

| 机身类型 | |
|------|----|
| 1 | 1类 |
| 2 | 2类 |

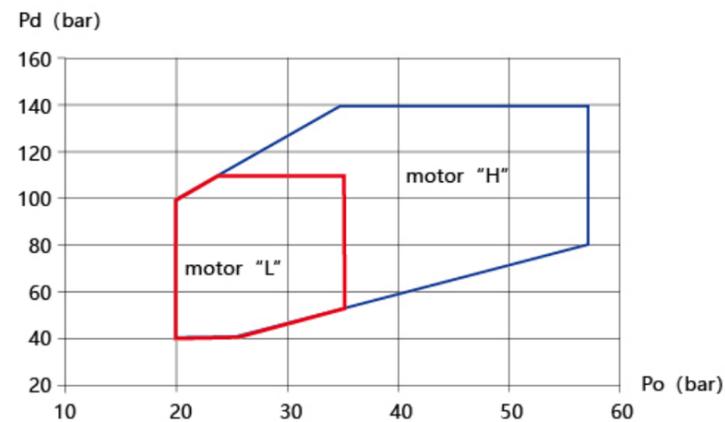
| 排气量m³/h (50Hz) | |
|----------------|--|
| 4.4 ~ 38.2 | |

| 电机大小 | |
|------|------|
| L | 低温电机 |
| H | 高温电机 |



应用范围

基于10K吸气过热



Pd 排气压力
 P0 蒸发压力
 "L" 小电机
 "H" 大电机

技术数据

| 型号 | 排量 50Hz m³/h | 缸数 / | 连接管尺寸 | | | | 电气参数 | | | | 重量 Kg | |
|-----------|--------------------|---------|-------|------|-------|------|---------|---|---------------|-----------|-----------|-----|
| | | | 吸气阀 | | 排气阀 | | 电制 / | 最大工作电流 A | 最大功率 kW | 启动电流 A | | |
| | | | mm | inch | mm | inch | | | | | | |
| SPT41-4L | L | 4.4 | 4 | 22 | 7/8 | 18 | 3/4 | Δ/Y Δ: 220-240V -3 -50Hz, 265-290V -3 -60Hz Y: 380-420V -3 -50Hz, 440-480V -3 -60Hz | 18, 3 / 10, 5 | 6.1 | 96 / 55 | 98 |
| SPT41-4H | H | 4.4 | 4 | 22 | 7/8 | 18 | 3/4 | | 25, 1 / 14, 5 | 8.4 | 157 / 90 | 102 |
| SPT41-5L | L | 5.4 | 4 | 22 | 7/8 | 18 | 3/4 | | 20, 9 / 12, 0 | 7.0 | 124 / 71 | 100 |
| SPT41-5H | H | 5.4 | 4 | 22 | 7/8 | 18 | 3/4 | | 29, 9 / 17, 2 | 10.0 | 157 / 90 | 102 |
| SPT41-6L | L | 6.6 | 4 | 22 | 7/8 | 18 | 3/4 | | 26, 3 / 15, 1 | 8.8 | 157 / 90 | 103 |
| SPT41-6H | H | 6.6 | 4 | 22 | 7/8 | 18 | 3/4 | | 38, 6 / 22, 2 | 12.9 | 198 / 114 | 109 |
| SPT41-8L | L | 8.0 | 4 | 22 | 7/8 | 18 | 3/4 | | 31, 1 / 17, 9 | 10.4 | 198 / 114 | 110 |
| SPT41-8H | H | 8.0 | 4 | 22 | 7/8 | 18 | 3/4 | | 45, 8 / 26, 3 | 15.3 | 229 / 132 | 114 |
| SPT41-9L | L | 9.6 | 4 | 22 | 7/8 | 18 | 3/4 | PW (V/VV) 380-420V -3 -50Hz 440-480V -3 -60Hz | 38, 6 / 22, 2 | 12.9 | 198 / 114 | 112 |
| SPT42-9L | L | 9.2 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 21.2 | 12.3 | 77 / 127 | 154 |
| SPT42-9H | H | 9.2 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 30.5 | 17.7 | 89 / 147 | 158 |
| SPT42-11L | L | 11.9 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 26.8 | 15.6 | 89 / 147 | 158 |
| SPT42-11H | H | 11.9 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 39.6 | 23.0 | 121 / 198 | 165 |
| SPT42-14L | L | 14.4 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 34.1 | 19.8 | 121 / 198 | 165 |
| SPT42-14H | H | 14.4 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 47.3 | 27.5 | 162 / 265 | 170 |
| SPT42-18L | L | 17.8 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 42.3 | 24.6 | 162 / 265 | 170 |
| SPT42-18H | H | 17.8 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 59.0 | 34.3 | 185 / 303 | 182 |
| SPT42-22L | L | 21.9 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 54.0 | 31.4 | 185 / 303 | 182 |
| SPT42-22H | H | 21.9 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 71.4 | 41.5 | 215 / 352 | 188 |
| SPT42-26L | L | 25.5 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 63.0 | 36.6 | 215 / 352 | 188 |
| SPT42-26H | H | 25.5 | 4 | 28 | 1 1/8 | 18 | 3/4 | | 83.4 | 48.5 | 226 / 371 | 195 |
| SPT61-27L | L | 27.2 | 6 | 35 | 1 3/8 | 18 | 3/4 | | 62.0 | 37.0 | 240 / 352 | 240 |
| SPT61-27H | H | 27.2 | 6 | 35 | 1 3/8 | 18 | 3/4 | | 76.0 | 52.0 | 242 / 356 | 245 |
| SPT61-32L | L | 31.7 | 6 | 35 | 1 3/8 | 18 | 3/4 | | 73.0 | 44.0 | 240 / 352 | 240 |
| SPT61-32H | H | 31.7 | 6 | 35 | 1 3/8 | 18 | 3/4 | | 84.0 | 57.0 | 242 / 356 | 245 |
| SPT61-38L | L | 38.2 | 6 | 35 | 1 3/8 | 18 | 3/4 | | 84.0 | 57.0 | 242 / 356 | 245 |

技术特点

- 特殊铸件壳体，先进设计理念，保证压缩机运行安全；
- 平衡型曲轴设计，耐磨复合材料曲轴轴承设计；
- 活塞经高级涂层处理，表面强度高，抗气流冲击，运行更可靠；
- 高级合金吸、排气阀片组，具有良好的抗磨性及韧性；
- 设有排油单向阀，避免电机内腔积油，保证油平衡；
- 内置INT69电机保护模块，动态监控，保障压缩机安全运行。

供货范围

标准供货

- SPT41 系列星形接法电机 (400V/3/50Hz)或三角形接法电机 (230V/3/50Hz) ；
- SPT42/SPT61 系列部分绕组启动电机 (400V/3/50Hz或460V/3/60Hz)；
- 曲轴箱加热器；
- 排气截止阀；
- 吸气截止阀；
- 橡胶减震垫；
- 直接启动过桥(DOL)；
- 安全阀；
- 油视镜；
- 油过滤器(仅对带油泵压缩机)；
- 油充注；
- PTC 热敏保护电阻；
- SPT41/SPT42/SPT61 INT69B2 保护模块 (230V/1/50或60Hz) ；
- IP54 等级电气盒；
- 充氮保护。

可选配件

- 冷冻油；
 - S007 (标准配置) 应用工况：运行区域 “L” ；
 - S012 应用工况：排气压力 > 110bar 或吸气压力 > 35bar。
 - 特殊电压的电机；
 - 光电油位开关组件 (仅适用于飞溅润滑压缩机) ；
- 压缩机的电子配件 (电子保护模块，曲轴箱加热器) 的标准电制均为 230V AC 50/60Hz，如需特殊电制的配件，请咨询 RefComp。

性能参数

| 型号 | Tgc °C | Pgc bar | Te °C | | | | | | | | | | | |
|----------|-----------|------------|-------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | 10 | | 5 | | 0 | | -5 | | -10 | | -20 | |
| | | | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta |
| SPT41-4L | 15 | 75 | - | - | - | - | 17.9 | 4.4 | 14.9 | 4.4 | 12.3 | 4.4 | 7.8 | 4.2 |
| | 25 | 75 | - | - | - | - | 15.2 | 4.4 | 12.7 | 4.4 | 10.5 | 4.4 | 6.7 | 4.2 |
| | 30 | 75 | - | - | - | - | 13.1 | 4.4 | 10.9 | 4.4 | 9 | 4.4 | 5.7 | 4.2 |
| | 35 | 90 | - | - | - | - | 11.7 | 5.3 | 9.7 | 5.3 | 7.9 | 5.1 | - | - |
| | 40 | 100 | - | - | - | - | 10.2 | 5.9 | 8.4 | 5.8 | - | - | - | - |
| SPT41-4H | 15 | 75 | 25.2 | 3.9 | 21.3 | 4.2 | 17.9 | 4.3 | 14.9 | 4.4 | 12.3 | 4.4 | 7.8 | 4.2 |
| | 25 | 75 | 21.4 | 3.9 | 18.1 | 4.2 | 15.2 | 4.3 | 12.7 | 4.4 | 10.5 | 4.4 | 6.7 | 4.2 |
| | 30 | 75 | 18.3 | 3.9 | 15.5 | 4.2 | 13.1 | 4.3 | 10.9 | 4.4 | 9 | 4.4 | 5.7 | 4.2 |
| | 35 | 90 | 16.5 | 5.1 | 14 | 5.2 | 11.7 | 5.3 | 9.7 | 5.2 | 7.9 | 5.1 | - | - |
| | 40 | 100 | 14.4 | 5.8 | 12.2 | 5.8 | 10.2 | 5.8 | 8.4 | 5.7 | 6.8 | 5.5 | - | - |
| SPT41-5L | 15 | 75 | - | - | - | - | 22 | 5.4 | 18.3 | 5.5 | 15.1 | 5.4 | 9.6 | 5.2 |
| | 25 | 75 | - | - | - | - | 18.7 | 5.4 | 15.6 | 5.5 | 12.8 | 5.4 | 8.2 | 5.2 |
| | 30 | 75 | - | - | - | - | 16 | 5.4 | 13.4 | 5.5 | 11 | 5.4 | 7 | 5.2 |
| | 35 | 90 | - | - | - | - | 14.3 | 6.5 | 11.9 | 6.5 | 9.7 | 6.3 | 6 | 5.7 |
| | 40 | 100 | - | - | - | - | 12.5 | 7.2 | 10.3 | 7.1 | - | - | - | - |
| SPT41-5H | 15 | 75 | 31 | 4.8 | 26.2 | 5.1 | 22 | 5.3 | 18.3 | 5.4 | 15.1 | 5.4 | 9.6 | 5.1 |
| | 25 | 75 | 26.3 | 4.8 | 22.3 | 5.1 | 18.7 | 5.3 | 15.6 | 5.4 | 12.8 | 5.4 | 8.2 | 5.1 |
| | 30 | 75 | 22.4 | 4.8 | 19 | 5.1 | 16 | 5.3 | 13.4 | 5.4 | 11 | 5.4 | 7 | 5.1 |
| | 35 | 90 | 20.3 | 6.2 | 17.1 | 6.4 | 14.3 | 6.5 | 11.9 | 6.4 | 9.7 | 6.2 | - | - |
| | 40 | 100 | 17.7 | 7.1 | 14.9 | 7.2 | 12.5 | 7.1 | 10.3 | 7 | 8.4 | 6.7 | - | - |
| SPT41-6L | 15 | 75 | - | - | - | - | 28.1 | 6.5 | 23.5 | 6.6 | 19.3 | 6.5 | 12.5 | 6.1 |
| | 25 | 75 | - | - | - | - | 23.9 | 6.5 | 20 | 6.6 | 16.5 | 6.5 | 10.7 | 6.1 |
| | 30 | 75 | - | - | - | - | 20.5 | 6.5 | 17.1 | 6.6 | 14.1 | 6.5 | 9.1 | 6.1 |
| | 35 | 90 | - | - | - | - | 18.3 | 7.9 | 15.2 | 7.7 | 12.4 | 7.5 | - | - |
| | 40 | 100 | - | - | - | - | 15.9 | 8.7 | 13.2 | 8.4 | 10.7 | 8 | - | - |
| SPT41-6H | 15 | 75 | 40.2 | 6 | 34 | 6.4 | 28.5 | 6.6 | 23.8 | 6.8 | 19.6 | 6.8 | 12.5 | 6.4 |
| | 25 | 75 | 34.1 | 6 | 28.9 | 6.4 | 24.3 | 6.6 | 20.2 | 6.8 | 16.7 | 6.8 | 10.6 | 6.4 |
| | 30 | 75 | 29.1 | 6 | 24.7 | 6.4 | 20.8 | 6.6 | 17.4 | 6.8 | 14.3 | 6.8 | 9.1 | 6.4 |
| | 35 | 90 | 26.3 | 7.8 | 22.2 | 8 | 18.6 | 8 | 15.4 | 8 | 12.6 | 7.8 | - | - |
| | 40 | 100 | 23 | 8.8 | 19.4 | 8.9 | 16.2 | 8.9 | 13.4 | 8.7 | 10.9 | 8.3 | - | - |

图例
 Q0=冷量 (KW)
 Pta=输入电功率 (KW)
 Te=蒸发温度 (°C)
 Tgc=气冷器出口温度 (°C)
 Pgc=排气压力
 50Hz 频率
 吸气过热度10K

性能参数

| 型号 | Tgc °C | Pgc bar | Te °C | | | | | | | | | | | |
|-----------|-----------|------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 10 | | 5 | | 0 | | -5 | | -10 | | -20 | |
| | | | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta |
| SPT41-8L | 15 | 75 | - | - | - | - | 34 | 7.9 | 28.4 | 8 | 23.4 | 7.9 | 15.2 | 7.4 |
| | 25 | 75 | - | - | - | - | 29 | 7.9 | 24.2 | 8 | 20 | 7.9 | 12.9 | 7.4 |
| | 30 | 75 | - | - | - | - | 24.8 | 7.9 | 20.8 | 8 | 17.1 | 7.9 | 11.1 | 7.4 |
| | 35 | 90 | - | - | - | - | 22.2 | 9.6 | 18.4 | 9.4 | 15.1 | 9.1 | - | - |
| | 40 | 100 | - | - | - | - | 19.3 | 10.5 | 16 | 10.2 | 13 | 9.7 | - | - |
| SPT41-8H | 15 | 75 | 48.7 | 7.3 | 41.2 | 7.7 | 34.6 | 8 | 28.8 | 8.2 | 23.7 | 8.2 | 15.1 | 7.8 |
| | 25 | 75 | 41.3 | 7.3 | 35 | 7.7 | 29.4 | 8 | 24.5 | 8.2 | 20.2 | 8.2 | 12.9 | 7.8 |
| | 30 | 75 | 35.3 | 7.3 | 30 | 7.7 | 25.2 | 8 | 21 | 8.2 | 17.3 | 8.2 | 11 | 7.8 |
| | 35 | 90 | 31.9 | 9.4 | 26.9 | 9.7 | 22.6 | 9.8 | 18.7 | 9.7 | 15.3 | 9.4 | - | - |
| | 40 | 100 | 27.9 | 10.7 | 23.5 | 10.8 | 19.6 | 10.8 | 16.2 | 10.5 | 13.2 | 10.1 | - | - |
| SPT41-9L | 15 | 75 | - | - | - | - | 41.4 | 9.3 | 34.7 | 9.5 | 28.7 | 9.5 | 19 | 8.8 |
| | 25 | 75 | - | - | - | - | 35.2 | 9.3 | 29.5 | 9.5 | 24.4 | 9.5 | 16.2 | 8.8 |
| | 30 | 75 | - | - | - | - | 30.2 | 9.3 | 23.5 | 9.5 | 21 | 9.5 | 13.9 | 8.8 |
| | 35 | 90 | - | - | - | - | 26.8 | 11.4 | 22.5 | 11.3 | 18.5 | 11 | - | - |
| | 40 | 100 | - | - | - | - | 23.2 | 12.7 | 19.4 | 12.3 | 15.9 | 11.8 | - | - |
| SPT42-9L | 15 | 75 | - | - | - | - | 39.8 | 9 | 33.1 | 9.1 | 27.3 | 9 | 17.8 | 8.5 |
| | 25 | 75 | - | - | - | - | 33.9 | 9 | 28.2 | 9.1 | 23.2 | 9 | 15.1 | 8.5 |
| | 30 | 75 | - | - | - | - | 29 | 9 | 24.2 | 9.1 | 19.9 | 9 | 13 | 8.5 |
| | 35 | 90 | - | - | - | - | 26 | 10.8 | 21.7 | 10.6 | 17.8 | 10.3 | - | - |
| | 40 | 100 | - | - | - | - | 22.7 | 11.9 | 18.9 | 11.5 | 15.4 | 11.1 | - | - |
| SPT42-9H | 15 | 75 | 56.9 | 8.4 | 48.2 | 8.9 | 40.6 | 9.2 | 33.9 | 9.3 | 28.1 | 9.3 | 18.3 | 8.7 |
| | 25 | 75 | 48.3 | 8.4 | 41 | 8.9 | 34.5 | 9.2 | 28.9 | 9.3 | 24 | 9.3 | 15.6 | 8.7 |
| | 30 | 75 | 41.2 | 8.4 | 35 | 8.9 | 29.6 | 9.2 | 24.8 | 9.3 | 20.6 | 9.3 | 13.4 | 8.7 |
| | 35 | 90 | 37.4 | 10.8 | 31.7 | 11 | 26.7 | 11.1 | 22.2 | 10.9 | 18.3 | 10.6 | - | - |
| | 40 | 100 | 32.8 | 12.3 | 27.8 | 12.3 | 23.3 | 12.2 | 19.4 | 11.9 | 15.9 | 11.4 | - | - |
| SPT42-11L | 15 | 75 | - | - | - | - | 51.5 | 11.6 | 42.9 | 11.7 | 35.3 | 11.7 | 23 | 11 |
| | 25 | 75 | - | - | - | - | 43.8 | 11.6 | 36.5 | 11.7 | 30.1 | 11.7 | 19.6 | 11 |
| | 30 | 75 | - | - | - | - | 37.5 | 11.6 | 31.3 | 11.7 | 25.8 | 11.7 | 16.8 | 11 |
| | 35 | 90 | - | - | - | - | 33.7 | 14 | 28 | 13.8 | 23 | 13.4 | - | - |
| | 40 | 100 | - | - | - | - | 29.3 | 15.4 | 24.4 | 14.9 | 20 | 14.3 | - | - |
| SPT42-11H | 15 | 75 | 73.6 | 10.8 | 62.3 | 11.5 | 52.5 | 11.9 | 43.9 | 12 | 36.4 | 12 | 23.7 | 11.2 |
| | 25 | 75 | 62.4 | 10.8 | 53 | 11.5 | 44.7 | 11.9 | 37.4 | 12 | 31 | 12 | 20.2 | 11.2 |
| | 30 | 75 | 53.3 | 10.8 | 45.3 | 11.5 | 38.3 | 11.9 | 32.1 | 12 | 26.6 | 12 | 17.3 | 11.2 |
| | 35 | 90 | 48.4 | 14 | 41 | 14.3 | 34.5 | 14.3 | 28.7 | 14.2 | 23.7 | 13.8 | - | - |
| | 40 | 100 | 42.4 | 15.8 | 35.9 | 15.9 | 30.1 | 15.8 | 25 | 15.4 | 20.6 | 14.7 | - | - |

性能参数

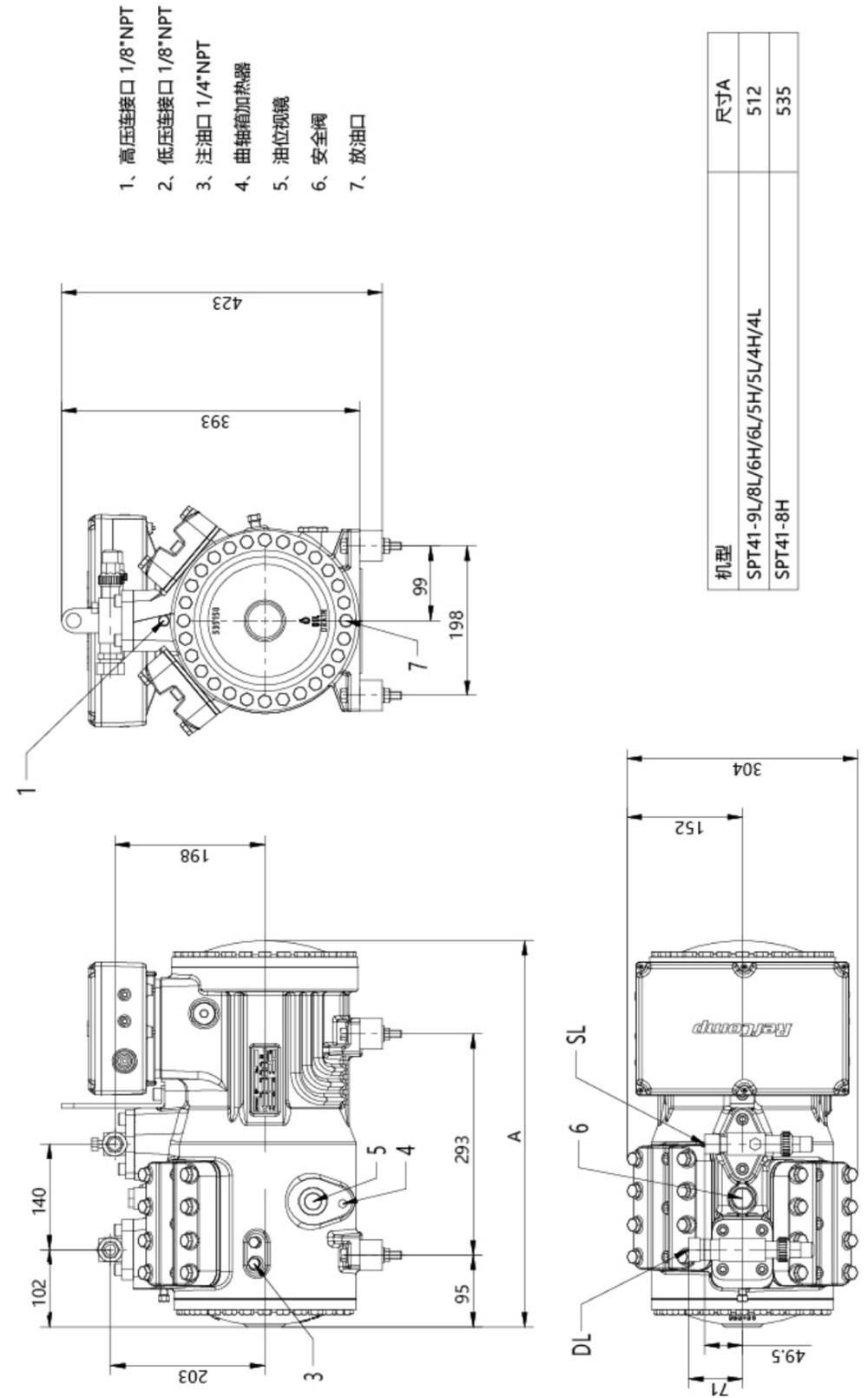
| 型号 | Tgc °C | Pgc bar | Te °C | | | | | | | | | | | |
|-----------|-----------|------------|-------|------|-------|------|-------|------|------|------|------|------|------|------|
| | | | 10 | | 5 | | 0 | | -5 | | -10 | | -20 | |
| | | | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta | Q0 | Pta |
| SPT42-14L | 15 | 75 | - | - | - | - | 62.3 | 14 | 51.9 | 14.2 | 42.7 | 14.1 | 27.8 | 13.3 |
| | 25 | 75 | - | - | - | - | 53 | 14 | 44.2 | 14.2 | 36.4 | 14.1 | 23.7 | 13.3 |
| | 30 | 75 | - | - | - | - | 45.4 | 14 | 37.9 | 14.2 | 31.2 | 14.1 | 20.3 | 13.3 |
| | 35 | 90 | - | - | - | - | 40.7 | 16.9 | 33.9 | 16.7 | 27.8 | 16.2 | - | - |
| | 40 | 100 | - | - | - | - | 35.5 | 18.6 | 29.5 | 18.1 | 24.2 | 17.4 | - | - |
| SPT42-14H | 15 | 75 | 89.1 | 13.1 | 75.4 | 13.9 | 63.5 | 14.4 | 53.1 | 14.6 | 44 | 14.5 | 28.7 | 13.6 |
| | 25 | 75 | 75.5 | 13.1 | 64.1 | 13.9 | 54 | 14.4 | 45.2 | 14.6 | 37.5 | 14.5 | 24.5 | 13.6 |
| | 30 | 75 | 64.5 | 13.1 | 54.8 | 13.9 | 46.3 | 14.4 | 38.8 | 14.6 | 32.2 | 14.5 | 21 | 13.6 |
| | 35 | 90 | 58.6 | 16.9 | 49.6 | 17.3 | 41.7 | 17.3 | 34.8 | 17.1 | 28.7 | 16.6 | - | - |
| | 40 | 100 | 51.3 | 19.2 | 43.4 | 19.3 | 36.4 | 19.1 | 30.3 | 18.6 | 24.9 | 17.8 | - | - |
| SPT42-18L | 15 | 75 | - | - | - | - | 79.4 | 18 | 66.2 | 18.1 | 55.1 | 18 | 36.9 | 16.9 |
| | 25 | 75 | - | - | - | - | 67.5 | 18 | 56.4 | 18.1 | 46.9 | 18 | 31.4 | 16.9 |
| | 30 | 75 | - | - | - | - | 57.9 | 18 | 48.4 | 18.1 | 40.3 | 18 | 27 | 16.9 |
| | 35 | 90 | - | - | - | - | 52 | 21.8 | 43.3 | 21.5 | 35.9 | 20.9 | - | - |
| | 40 | 100 | - | - | - | - | 45.3 | 24.1 | 37.7 | 23.5 | 31.2 | 22.6 | - | - |
| SPT42-18H | 15 | 75 | 111.9 | 16.4 | 94.8 | 17.3 | 80.1 | 17.8 | 67.3 | 18 | 56.2 | 17.9 | 37.4 | 16.8 |
| | 25 | 75 | 94.9 | 16.4 | 80.6 | 17.3 | 68.1 | 17.8 | 57.3 | 18 | 47.9 | 17.9 | 31.9 | 16.8 |
| | 30 | 75 | 81 | 16.4 | 68.9 | 17.3 | 58.4 | 17.8 | 49.2 | 18 | 41.1 | 17.9 | 27.4 | 16.8 |
| | 35 | 90 | 74 | 21.1 | 62.8 | 21.5 | 53 | 21.5 | 44.4 | 21.2 | 37 | 20.6 | 24.3 | 18.6 |
| | 40 | 100 | 65 | 23.9 | 55.2 | 23.9 | 46.5 | 23.7 | 38.9 | 23.1 | 32.3 | 22.2 | - | - |
| SPT42-22L | 15 | 75 | - | - | - | - | 98.6 | 23.5 | 83.7 | 23.5 | 70.5 | 23.2 | 48.7 | 21.7 |
| | 25 | 75 | - | - | - | - | 83.9 | 23.5 | 71.3 | 23.5 | 60.1 | 23.2 | 41.5 | 21.7 |
| | 30 | 75 | - | - | - | - | 71.9 | 23.5 | 61.1 | 23.5 | 51.6 | 23.2 | 35.6 | 21.7 |
| | 35 | 90 | - | - | - | - | 65 | 28.3 | 55.1 | 27.7 | 46.4 | 26.9 | 31.8 | 24.4 |
| | 40 | 100 | - | - | - | - | 56.8 | 31.1 | 48.1 | 30.2 | 40.4 | 29 | - | - |
| SPT42-22H | 15 | 75 | 137.6 | 20.1 | 116.7 | 21.3 | 98.5 | 22 | 82.8 | 22.2 | 69.1 | 22.1 | 46.1 | 20.7 |
| | 25 | 75 | 116.7 | 20.1 | 99.2 | 21.3 | 83.8 | 22 | 70.5 | 22.2 | 58.9 | 22.1 | 39.3 | 20.7 |
| | 30 | 75 | 99.7 | 20.1 | 84.8 | 21.3 | 71.8 | 22 | 60.5 | 22.2 | 50.5 | 22.1 | 33.7 | 20.7 |
| | 35 | 90 | 91 | 25.9 | 77.2 | 26.4 | 65.2 | 26.5 | 54.7 | 26.1 | 45.5 | 25.4 | 30 | 22.9 |
| | 40 | 100 | 80 | 29.3 | 67.9 | 29.4 | 57.2 | 29.1 | 47.9 | 28.4 | 39.8 | 27.3 | - | - |
| SPT42-26L | 15 | 75 | - | - | - | - | 114.9 | 27.4 | 97.6 | 27.4 | 82.2 | 27 | 56.8 | 25.3 |
| | 25 | 75 | - | - | - | - | 97.8 | 27.4 | 83.1 | 27.4 | 70 | 27 | 48.4 | 25.3 |
| | 30 | 75 | - | - | - | - | 83.8 | 27.4 | 71.3 | 27.4 | 60.1 | 27 | 41.5 | 25.3 |
| | 35 | 90 | - | - | - | - | 75.8 | 33 | 64.3 | 32.3 | 54 | 31.4 | 37.1 | 28.4 |
| | 40 | 100 | - | - | - | - | 66.2 | 36.3 | 56.1 | 35.2 | 47.1 | 33.8 | - | - |

性能参数

| 型号 | Tgc °C | Pgc bar | Te °C | | | | | | | | | | | |
|-----------|-----------|------------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| | | | 10 | | 5 | | 0 | | -5 | | -10 | | -20 | |
| | | | Q0 | Pta | Q0 | Pta |
| SPT42-26H | 15 | 75 | 160.2 | 23.4 | 135.9 | 24.8 | 114.7 | 25.6 | 96.4 | 25.9 | 80.5 | 25.7 | 53.6 | 24.1 |
| | 25 | 75 | 135.9 | 23.4 | 115.5 | 24.8 | 97.6 | 25.6 | 82.1 | 25.9 | 68.6 | 25.7 | 45.7 | 24.1 |
| | 30 | 75 | 116 | 23.4 | 98.8 | 24.8 | 83.6 | 25.6 | 70.4 | 25.9 | 58.8 | 25.7 | 39.2 | 24.1 |
| | 35 | 90 | 106 | 30.2 | 89.9 | 30.8 | 75.9 | 30.8 | 63.7 | 30.4 | 53 | 29.6 | 34.9 | 26.7 |
| | 40 | 100 | 93.2 | 34.2 | 79 | 34.3 | 66.6 | 33.9 | 55.8 | 33 | 46.3 | 31.8 | - | - |
| SPT61-27L | 15 | 75 | - | - | - | - | 122.6 | 29.2 | 104.1 | 29.2 | 87.7 | 28.8 | 60.6 | 27.0 |
| | 25 | 75 | - | - | - | - | 104.3 | 29.2 | 88.6 | 29.2 | 74.7 | 28.8 | 51.6 | 27.0 |
| | 30 | 75 | - | - | - | - | 89.4 | 29.2 | 76.1 | 29.2 | 64.1 | 28.8 | 44.3 | 27.0 |
| | 35 | 90 | - | - | - | - | 80.9 | 35.2 | 68.6 | 34.5 | 57.6 | 33.5 | 39.6 | 30.3 |
| | 40 | 100 | - | - | - | - | 70.6 | 38.7 | 59.8 | 37.6 | 50.2 | 36.1 | - | - |
| SPT61-27H | 15 | 75 | 170.9 | 25.0 | 145.0 | 26.5 | 122.4 | 27.3 | 102.8 | 27.6 | 85.9 | 27.4 | 57.2 | 25.7 |
| | 25 | 75 | 145.0 | 25.0 | 123.2 | 26.5 | 104.1 | 27.3 | 87.6 | 27.6 | 73.2 | 27.4 | 48.8 | 25.7 |
| | 30 | 75 | 123.7 | 25.0 | 105.4 | 26.5 | 89.2 | 27.3 | 75.1 | 27.6 | 62.7 | 27.4 | 41.8 | 25.7 |
| | 35 | 90 | 113.1 | 32.2 | 95.9 | 32.9 | 81.0 | 32.9 | 68.0 | 32.4 | 56.5 | 31.6 | 37.2 | 28.5 |
| | 40 | 100 | 99.4 | 36.5 | 84.3 | 36.6 | 71.0 | 36.2 | 59.5 | 35.2 | 49.4 | 33.9 | - | - |
| SPT61-32L | 15 | 75 | - | - | - | - | 142.8 | 34.1 | 121.3 | 34.1 | 102.2 | 33.6 | 70.6 | 31.5 |
| | 25 | 75 | - | - | - | - | 121.6 | 34.1 | 103.3 | 34.1 | 87.0 | 33.6 | 60.2 | 31.5 |
| | 30 | 75 | - | - | - | - | 104.2 | 34.1 | 88.6 | 34.1 | 74.7 | 33.6 | 51.7 | 31.5 |
| | 35 | 90 | - | - | - | - | 94.2 | 41.0 | 79.9 | 40.2 | 67.1 | 39.0 | 46.1 | 35.3 |
| | 40 | 100 | - | - | - | - | 82.3 | 45.1 | 69.7 | 43.8 | 58.6 | 42.0 | - | - |
| SPT61-32H | 15 | 75 | 199.2 | 29.1 | 168.9 | 30.8 | 142.6 | 31.8 | 119.8 | 32.2 | 100.1 | 32.0 | 66.6 | 30.0 |
| | 25 | 75 | 168.9 | 29.1 | 143.6 | 30.8 | 121.3 | 31.8 | 102.1 | 32.2 | 85.3 | 32.0 | 56.8 | 30.0 |
| | 30 | 75 | 144.2 | 29.1 | 122.8 | 30.8 | 103.9 | 31.8 | 87.5 | 32.2 | 73.1 | 32.0 | 48.7 | 30.0 |
| | 35 | 90 | 131.8 | 37.5 | 111.8 | 38.3 | 94.4 | 38.3 | 79.2 | 37.8 | 65.9 | 36.8 | 43.4 | 33.2 |
| | 40 | 100 | 115.9 | 42.5 | 98.2 | 42.6 | 82.8 | 42.1 | 69.4 | 41.0 | 57.6 | 39.5 | - | - |
| SPT61-38L | 15 | 75 | - | - | - | - | 172.1 | 41.1 | 146.2 | 41.1 | 123.1 | 40.5 | 85.1 | 37.9 |
| | 25 | 75 | - | - | - | - | 146.5 | 41.1 | 124.5 | 41.1 | 104.9 | 40.5 | 72.5 | 37.9 |
| | 30 | 75 | - | - | - | - | 125.5 | 41.1 | 106.8 | 41.1 | 90.0 | 40.5 | 62.2 | 37.9 |
| | 35 | 90 | - | - | - | - | 113.6 | 49.4 | 96.3 | 48.4 | 80.9 | 47.0 | 55.6 | 42.5 |
| | 40 | 100 | - | - | - | - | 99.2 | 54.4 | 84.0 | 52.7 | 70.6 | 50.6 | - | - |

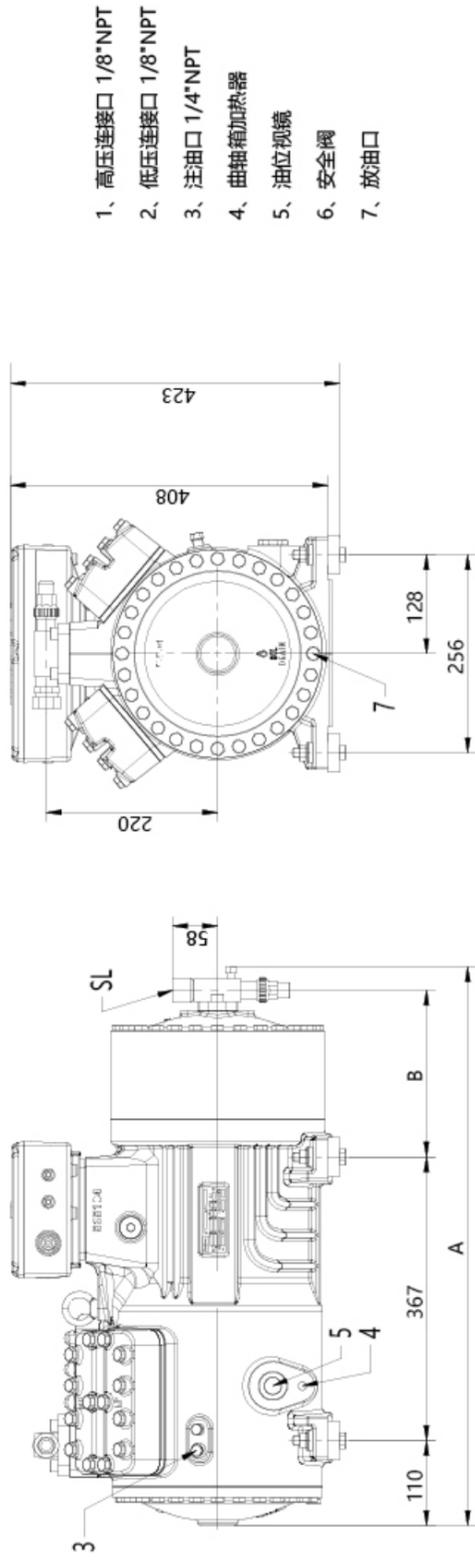
图例
 Q0=冷量 (KW)
 Pta=输入电功率 (KW)
 Te=蒸发温度 (°C)
 Tgc=气冷器出口温度 (°C)
 Pgc=排气压力
 50Hz 频率
 吸气过热度10K

SPT41系列外形尺寸图

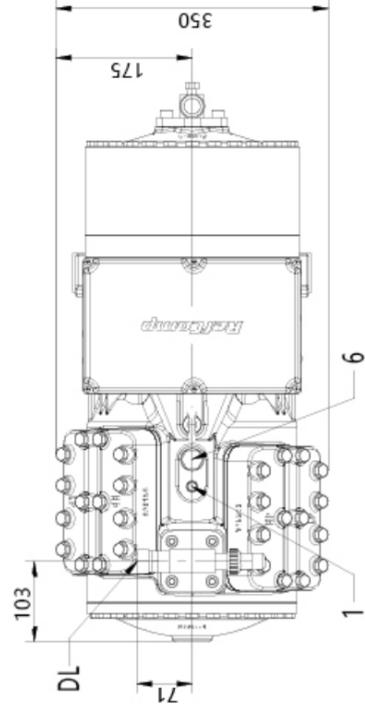


| | |
|-------------------------------|-----|
| 机型 | 尺寸A |
| SPT41-9L/8L/6H/6L/5H/5L/4H/4L | 512 |
| SPT41-8H | 535 |

SPT42系列外形尺寸图

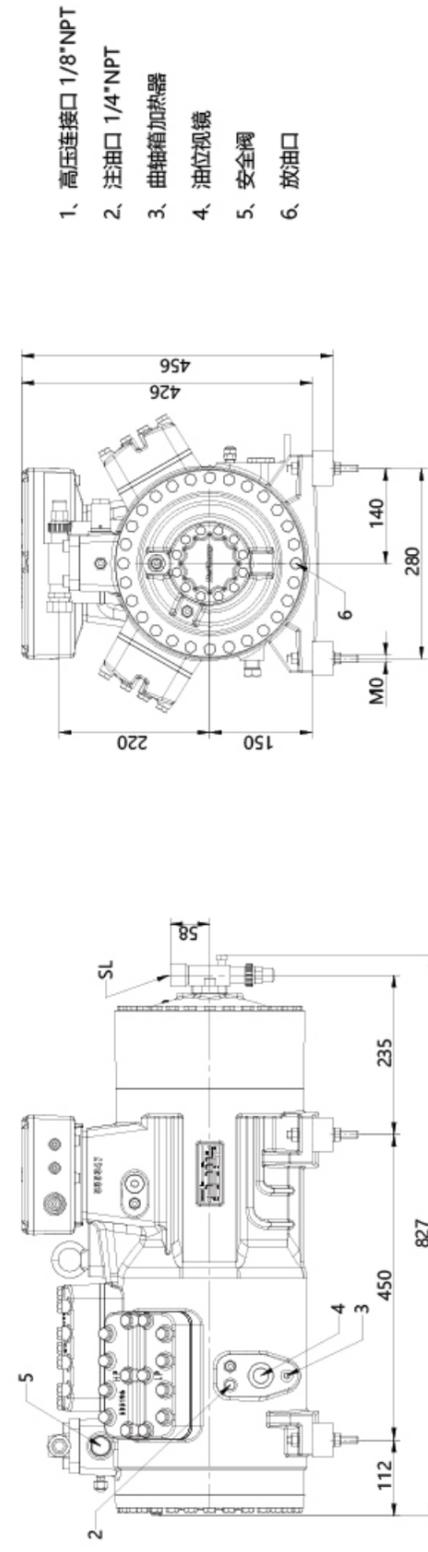


- 1、高压接口 1/8"NPT
- 2、低压接口 1/8"NPT
- 3、注油口 1/4"NPT
- 4、曲轴箱加热器
- 5、油位视镜
- 6、安全阀
- 7、放油口



| 机型 | 尺寸A | 尺寸B |
|---------------------------------|-----|-------|
| SPT42-26H/26L/22H/22L/18H | 722 | 215.5 |
| SPT42-18L/14H/14L/11H/11L/9H/9L | 667 | 160.5 |

SPT61系列外形尺寸图



- 1、高压接口 1/8"NPT
- 2、注油口 1/4"NPT
- 3、曲轴箱加热器
- 4、油位视镜
- 5、安全阀
- 6、放油口

