

幻冷系列

R410A 低温直流变频冷凝机组



2.5-5HP



7-10HP

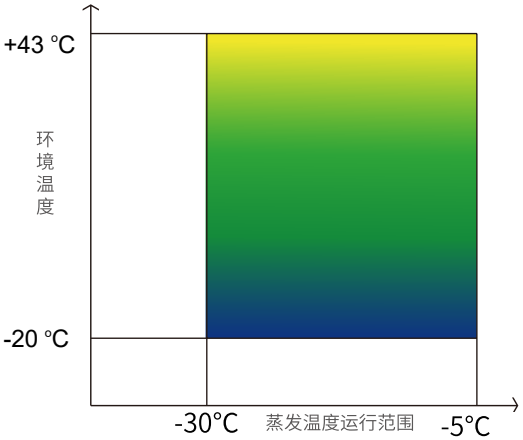
产品特点

- 冷冻冷藏一体应用，方便店面改造和维护
- 采用直流变频压缩机，可调范围广，能效高，运营费用低
- 采用变频风机，运营成本低
- 紧凑的结构设计，占地面积小
- 内部框架加隔音棉，噪音低
- 采用 R410A 制冷剂，管路安装费用低
- 对比定频机组节能达到 30%，噪音降低 ~4dBA

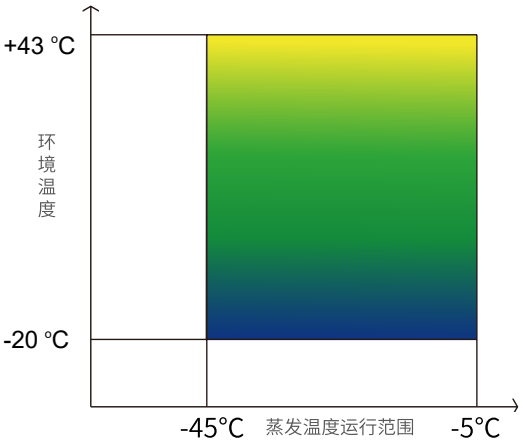


运行范围及命名方式

2.5HP~5HP

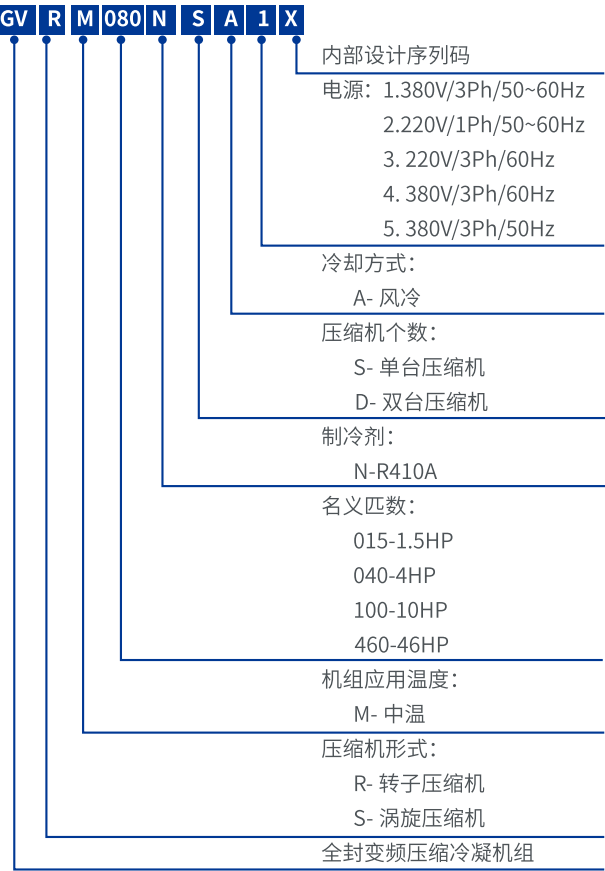


7HP~10HP



| 型号 | 制冷剂 | 最小蒸发温度℃ | 额定冷量/kW | 额定 COP | 最大制冷量/kW |
|-------|-------|---------|---------|--------|----------|
| 2.5HP | R410A | -30 | 2.1 | 1.2 | 4.2 |
| 3.5HP | | | 2.4 | 1.3 | 5.4 |
| 5HP | | | 3.5 | 1.3 | 6.9 |
| 7HP | | -45 | 5.5 | 1.3 | 9.2 |
| 10HP | | | 9.0 | 1.5 | 14.6 |

* 工况基于环温 32C，蒸发温度 -30C；额定工况为 60Hz





中小型冷库
带中小型低温冷库的酒店冷库、连锁餐饮店、前置仓、食品储藏冷库

室温：-35℃ ~ +5℃



超市
提供冷量给冷冻远程柜

食品温度：-35℃ ~ +5℃

| 机组型号 | GVRL 025NSA2A | GVRL 035NSA2A | GVRL 050NSA2B | GVSL 070NSA1B | GVSL 100NSA1B |
|--------------------------|------------------|------------------|------------------|------------------|------------------|
| 匹数 | 2.5HP | 3.5HP | 5.0HP | 7.0HP | 10HP |
| 冷媒 | R410A | | | | |
| 机组供电电压 | 220V/1PH/50~60Hz | | | 380V/3PH/50~60Hz | |
| 冷冻机油类型 | a68HES-H | | | MEL32R | |
| 运转频率范围 (rps) | 30~100 | | 30~90 | 30~85 | 30~100 |
| 最小蒸发温度 (℃) | -30 | | | -45 | |
| 风扇数量 | 1 | | | 2 | |
| 风扇直径 (mm) | 500 | | | | |
| 风扇转速范围 (RPM) | 300~850 | | | | |
| 最大风量 (m3/h) | 4030 | | | 7060 | |
| 储液器容积 (L) | 4.5 | | | 8.8 | |
| 蒸发温度范围 | -30℃ ~-5℃ | | | -45℃ ~-5℃ | |
| 机组额定制冷量 (kW) | 3.4 | 4.1 | 5.4 | 8.9 | 13 |
| 机组额定功率 (kW) | 2.1 | 2.5 | 3.5 | 5 | 7.5 |
| 机组最大制冷量 (kW) | 5.5 | 6.9 | 8.8 | 12 | 18.4 |
| 机组最大功率 (kW) | 3.8 | 4.7 | 7.1 | 7.2 | 13.3 |
| 机组噪音 dBA@1m | 54 | 54 | 54 | 57 | 60 |
| 机组启动电流 (A) | -- | | | | |
| 机组额定运行电流 (A) | 10 | 12 | 16 | 10 | 13 |
| 最大运行电流 (A) | 25 | 30 | 33 | 25 | 30 |
| 气管直径 (Inch) | 1/2 | 5/8 | | 3/4 | 1-1/8 |
| 液管直径 (Inch) | 3/8 | | | 1/2 | |
| 机组外形尺寸 (长 x 宽 x 高)(mm) | 1164x470x817 | | | 1164x470x1373 | |
| 重量 (kg) | 112 | 112 | 112 | 172 | 186 |

制冷量与功率测试条件：国标中温工况 GB/T21363-2018
蒸发温度：-23℃，环境温度：32℃，回气温度 5℃

| 型号 | 环境 温度 ℃ | 制冷量 Q 输入功率 P (kW) | 蒸发温度℃ | | | | | | | | | | | |
|-------|---------------|-------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | | | -5 | | -10 | | -15 | | -20 | | -25 | | -30 | |
| | | | 最小 | 最大 | 最小 | 最大 | 最小 | 最大 | 最小 | 最大 | 最小 | 最大 | 最小 | 最大 |
| 2.5HP | 27 | Q | 5.3 | 10.7 | 4.5 | 9.1 | 3.8 | 7.7 | 3.2 | 6.4 | 2.6 | 5.3 | 2.1 | 4.4 |
| | | P | 1.7 | 4.2 | 1.7 | 4.0 | 1.6 | 3.8 | 1.6 | 3.6 | 1.6 | 3.5 | 1.6 | 3.3 |
| | 32 | Q | 5.1 | 10.2 | 4.3 | 8.7 | 3.6 | 7.3 | 3.0 | 6.2 | 2.5 | 5.1 | 2.1 | 4.2 |
| | | P | 1.9 | 4.6 | 1.8 | 4.3 | 1.8 | 4.1 | 1.8 | 4.0 | 1.7 | 3.8 | 1.7 | 3.6 |
| | | LST | 19.3 | 19.8 | 16.5 | 17.3 | 13.9 | 15.1 | 11.5 | 13.0 | 9.4 | 11.2 | 7.4 | 9.6 |
| | 38 | Q | 4.8 | 9.2 | 4.1 | 8.0 | 3.5 | 6.9 | 2.9 | 5.8 | 2.4 | 4.8 | 2.0 | 3.9 |
| | | P | 2.1 | 4.7 | 2.1 | 4.6 | 2.0 | 4.6 | 2.0 | 4.4 | 1.9 | 4.2 | 1.9 | 4.0 |
| | | LST | 25.7 | 28.3 | 22.9 | 26.1 | 20.3 | 24.1 | 17.9 | 22.0 | 15.7 | 20.1 | 13.7 | 18.4 |
| | 43 | Q | 4.6 | 8.3 | 3.9 | 7.2 | 3.3 | 6.3 | 2.7 | 5.4 | 2.3 | 4.6 | 1.9 | 3.7 |
| | | P | 2.3 | 4.6 | 2.3 | 4.6 | 2.2 | 4.6 | 2.2 | 4.6 | 2.1 | 4.5 | 2.1 | 4.3 |
| | | LST | 26.5 | 30.2 | 23.7 | 27.9 | 21.0 | 25.9 | 18.5 | 24.4 | 16.3 | 22.9 | 14.3 | 21.2 |
| | 3.5HP | 27 | Q | 6.0 | 12.7 | 5.1 | 11.0 | 4.3 | 9.4 | 3.6 | 8.0 | 3.0 | 6.7 | 2.5 |
| P | | | 1.9 | 5.6 | 1.9 | 5.2 | 1.8 | 4.8 | 1.8 | 4.5 | 1.7 | 4.1 | 1.7 | 3.8 |
| 32 | | Q | 5.8 | 12.2 | 4.9 | 10.5 | 4.2 | 9.0 | 3.5 | 7.7 | 2.9 | 6.5 | 2.4 | 5.4 |
| | | P | 2.1 | 6.1 | 2.1 | 5.7 | 2.0 | 5.2 | 2.0 | 4.9 | 1.9 | 4.5 | 1.9 | 4.2 |
| | | LST | 26.3 | 32.7 | 21.0 | 26.9 | 16.5 | 21.9 | 12.9 | 17.7 | 10.1 | 14.4 | 8.1 | 11.9 |
| 38 | | Q | 5.5 | 10.6 | 5.1 | 9.4 | 4.7 | 8.3 | 4.0 | 7.2 | 3.3 | 6.2 | 3.0 | 5.2 |
| | | P | 2.4 | 5.7 | 2.4 | 5.6 | 2.3 | 5.4 | 2.3 | 5.3 | 2.2 | 5.0 | 2.2 | 4.7 |
| | | LST | 30.8 | 34.7 | 25.5 | 29.4 | 21.0 | 25.0 | 17.3 | 21.6 | 14.5 | 18.8 | 12.5 | 16.3 |
| 43 | | Q | 5.2 | 9.3 | 4.5 | 8.6 | 3.8 | 7.7 | 3.2 | 6.8 | 2.6 | 5.9 | 2.2 | 4.9 |
| | | P | 2.6 | 5.5 | 2.6 | 5.7 | 2.5 | 5.6 | 2.4 | 5.6 | 2.3 | 5.4 | 2.3 | 5.1 |
| | | LST | 34.8 | 37.7 | 29.5 | 32.7 | 25.0 | 28.4 | 21.3 | 25.3 | 18.4 | 22.7 | 16.4 | 20.2 |
| 5HP | | 27 | Q | 8.7 | 14.9 | 7.4 | 13.5 | 6.3 | 12.0 | 5.3 | 10.2 | 4.4 | 8.6 | 3.6 |
| | P | | 3.1 | 8.2 | 2.9 | 8.3 | 2.8 | 7.8 | 2.7 | 6.9 | 2.5 | 6.1 | 2.4 | 5.3 |
| | 32 | Q | 8.4 | 13.7 | 7.1 | 12.5 | 6.0 | 11.3 | 5.1 | 9.8 | 4.2 | 8.2 | 3.5 | 6.9 |
| | | P | 3.5 | 8.2 | 3.4 | 8.3 | 3.2 | 8.2 | 3.0 | 7.6 | 2.9 | 6.7 | 2.7 | 5.9 |
| | | LST | 27.9 | 37.6 | 23.2 | 33.8 | 19.0 | 30.4 | 15.3 | 26.4 | 12.0 | 22.4 | 9.3 | 18.8 |
| | 38 | Q | 7.9 | 12.0 | 6.7 | 10.9 | 5.7 | 9.9 | 4.8 | 8.9 | 4.0 | 7.8 | 3.3 | 6.6 |
| | | P | 4.1 | 7.9 | 3.9 | 7.8 | 3.7 | 8.0 | 3.5 | 7.9 | 3.3 | 7.6 | 3.1 | 6.7 |
| | | LST | 31.5 | 40.5 | 27.0 | 36.8 | 22.9 | 34.1 | 19.4 | 31.5 | 16.3 | 29.0 | 13.8 | 25.6 |
| | 43 | Q | 7.5 | 10.5 | 6.4 | 9.5 | 5.4 | 8.5 | 4.6 | 7.7 | 3.8 | 6.9 | 3.1 | 6.3 |
| | | P | 4.6 | 7.3 | 4.3 | 7.3 | 4.1 | 7.3 | 3.9 | 7.3 | 3.7 | 7.3 | 3.5 | 7.4 |
| | | LST | 35.1 | 42.4 | 30.7 | 39.0 | 26.8 | 36.0 | 23.4 | 33.8 | 20.5 | 32.3 | 18.1 | 31.9 |
| | 7HP | 27 | Q | 13.7 | 23.0 | 11.7 | 19.7 | 9.9 | 16.7 | 8.3 | 14.0 | 6.9 | 11.6 | 5.7 |
| P | | | 4.4 | 8.5 | 4.2 | 7.9 | 4.0 | 7.3 | 3.8 | 6.8 | 3.7 | 6.3 | 3.6 | 6.0 |
| 32 | | Q | 13.2 | 21.9 | 11.3 | 18.8 | 9.5 | 16.0 | 8.0 | 13.4 | 6.7 | 11.1 | 5.5 | 9.2 |
| | | P | 5.0 | 9.3 | 4.7 | 8.6 | 4.5 | 8.0 | 4.3 | 7.5 | 4.2 | 7.0 | 4.1 | 6.6 |
| | | LST | 26.2 | 30.0 | 20.9 | 24.3 | 16.3 | 19.2 | 12.2 | 14.7 | 8.7 | 10.7 | 5.7 | 7.4 |
| 38 | | Q | 12.5 | 20.6 | 10.7 | 17.7 | 9.1 | 15.0 | 7.6 | 12.7 | 6.4 | 10.5 | 5.3 | 8.7 |
| | | P | 5.6 | 10.2 | 5.4 | 9.5 | 5.1 | 8.9 | 5.0 | 8.3 | 4.8 | 7.9 | 4.8 | 7.5 |
| | | LST | 30.3 | 34.2 | 25.0 | 28.4 | 20.2 | 23.3 | 16.1 | 18.7 | 12.5 | 14.7 | 9.6 | 11.3 |
| 43 | | Q | 11.9 | 19.5 | 10.2 | 16.8 | 8.7 | 14.3 | 7.3 | 12.0 | 6.1 | 10.0 | 5.0 | 8.2 |
| | | P | 6.2 | 11.0 | 6.0 | 10.3 | 5.7 | 9.7 | 5.6 | 9.1 | 5.5 | 8.6 | 5.4 | 8.2 |
| | | LST | 33.9 | 37.9 | 28.6 | 32.2 | 23.8 | 27.0 | 19.7 | 22.4 | 16.1 | 18.4 | 13.1 | 14.9 |
| 10HP | | 27 | Q | 20.8 | 31.9 | 18.0 | 28.0 | 15.4 | 24.3 | 13.1 | 20.8 | 11.1 | 17.8 | 9.3 |
| | P | | 7.1 | 16.6 | 6.7 | 15.2 | 6.3 | 13.9 | 6.0 | 12.8 | 5.7 | 11.8 | 5.4 | 10.9 |
| | 32 | Q | 20.1 | 30.7 | 17.4 | 27.0 | 14.9 | 23.4 | 12.7 | 20.2 | 10.7 | 17.2 | 9.0 | 14.6 |
| | | P | 7.9 | 17.9 | 7.4 | 16.4 | 7.1 | 15.1 | 6.7 | 14.0 | 6.4 | 12.9 | 6.1 | 12.0 |
| | | LST | 37.9 | 42.3 | 30.1 | 34.7 | 23.3 | 28.1 | 17.3 | 22.4 | 12.3 | 17.6 | 8.2 | 13.7 |
| | 38 | Q | 19.1 | 25.2 | 16.6 | 22.5 | 14.3 | 20.6 | 12.2 | 19.0 | 10.3 | 16.5 | 8.6 | 14.0 |
| | | P | 8.9 | 13.8 | 8.4 | 13.6 | 8.0 | 14.0 | 7.6 | 15.0 | 7.2 | 14.3 | 6.9 | 13.4 |
| | | LST | 38.3 | 44.3 | 31.3 | 38.2 | 25.2 | 34.1 | 20.0 | 31.3 | 15.8 | 27.9 | 12.4 | 24.8 |
| | 43 | Q | 15.2 | 20.1 | 15.9 | 18.7 | 13.7 | 18.2 | 11.7 | 17.8 | 9.9 | 15.9 | 8.3 | 13.5 |
| | | P | 7.8 | 11.0 | 9.2 | 11.5 | 8.8 | 13.1 | 8.4 | 15.5 | 8.0 | 15.6 | 7.7 | 14.6 |
| | | LST | 35.9 | 37.9 | 29.5 | 33.4 | 24.1 | 32.4 | 19.5 | 32.9 | 15.8 | 31.2 | 13.1 | 28.8 |

1) 该技术参数为选型参数范围，不是实际的运行范围
2) LST 为供液温度，仅供膨胀阀选型使用