

DMZL

Professional Compressor Manufacturer

专业制冷压缩机制造商



打造民族品牌 创建百年企业

品质为本，

创新为魂，

大明制冷秉承质量至上的理念，

致力于为世界制造更优、更好的压缩机。

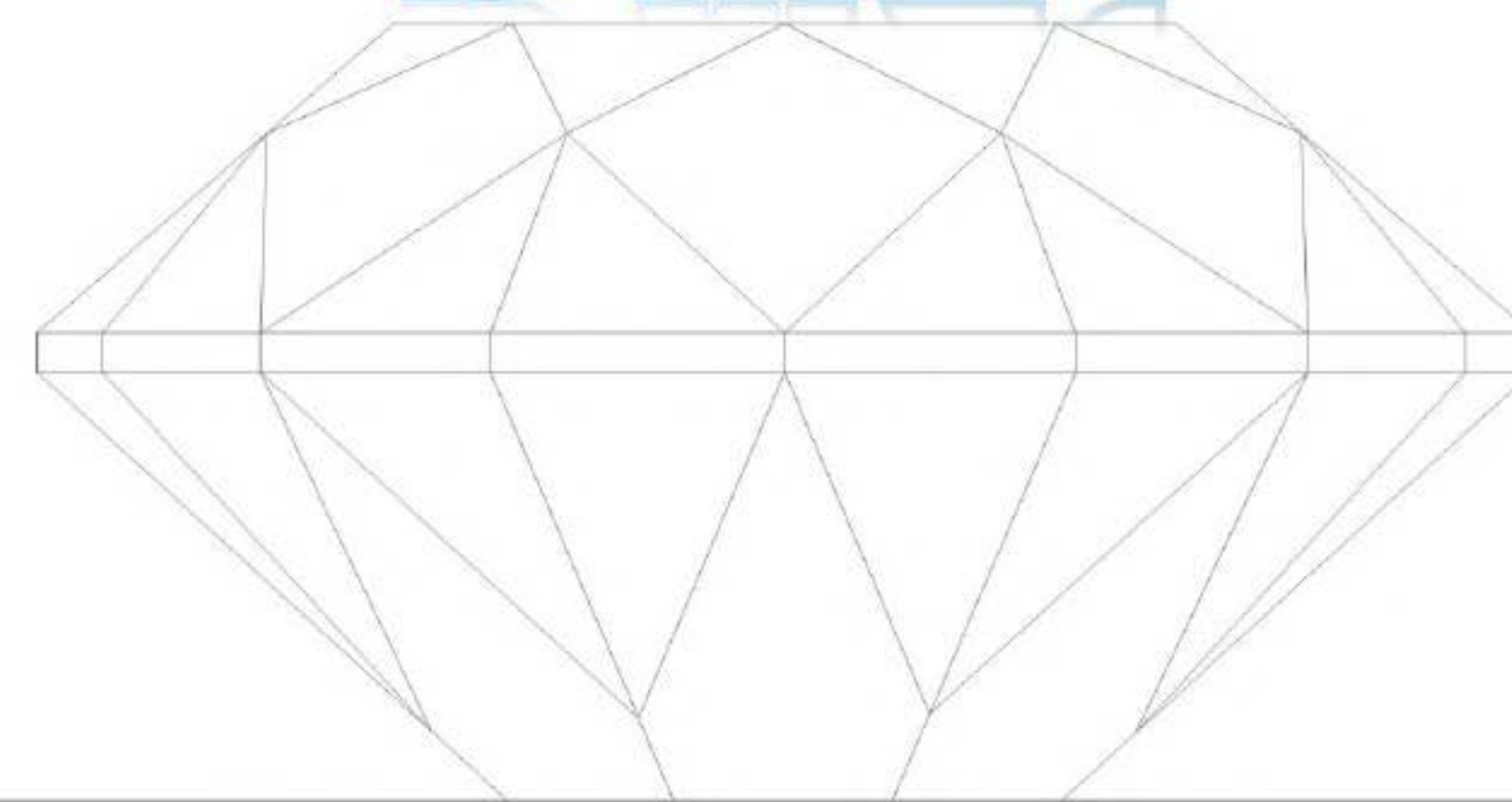
Quality-oriented,

Innovation-focused,

Adhering to the idea of quality-first,

We are committed to producing the best compressor.

DMZL



追求卓越，缔造完美
Persuing Excellence, Making Perfection



“静”心发挥，“劲”力表现
Low Vibration, Powerful Capacity



DMZL

大明制冷

DAMING REFRIGERATION

浙江大明制冷科技有限公司，是一家专业从事制冷压缩机和压缩冷凝机组等制冷设备设计、研发、制造和销售的科技型民营企业，旗下拥有半封闭活塞式制冷压缩机品牌“金明”、半封闭涡旋式制冷压缩机品牌“SCROLL”和半封闭螺杆式制冷压缩机品牌“RFC”。

公司建有专业的制冷压缩机生产基地，拥有厂房3万余平米，引进了多种高精尖进口加工设备，建立了现代化的制冷压缩机和压缩冷凝机组装配线，并配备有专业的仓储中心和物流配送中心。

公司拥有三十多年的制冷压缩机制造经验，组建了一支国际国内制冷精英构成的技术团队，技术力量雄厚。公司还聘请专业的管理咨询机构针对性地建立起现代化的高效管理模式，以提升企业的管理水平。

公司以“打造民族品牌、创建百年企业”为目标，遵循“品质为本、创新为魂”的经营理念，以匠心做好产品，以创新求无限生机，努力将“大明制冷”打造成国产压缩机民族品牌、中国一流制冷压缩机制造商。

Zhejiang Daming Refrigeration Technology Co.,Ltd. Is a private company specialized in designing, producing and marketing of refrigeration compressor and condensing unit, including semi-hermetic reciprocating compressor, scroll compressor, screw compressor and air&water cooled condensing unit.

We own a manufacturing base which is over 30,000 square meters, including precise processing workshop with advanced machines and logistic department.

Meanwhile, Daming has a powerful technical team that consists of experienced engineers and technicians. Every single employee make their best effort to ensure perfect products' quality and operation efficiency.

We aim at building "Daming" into a well-known national brand as well as a century enterprise with quality and creation, being a top compressor manufacturer.





生产设备

大明制冷拥有专业的制冷压缩机及冷凝机组生产基地和成熟的生产技术以及精密的制造与测试设备。企业现有厂房三万余平米，拥有现代化的加工车间，其中引进了CNC数控立式加工中心、数控卧式镗床、多孔钻床及超声波清洗机等高精设备，拥有制冷压缩机和冷凝机组自动化生产线，并建立了制冷压缩机性能检测中心，具有完善的加工、生产和检测能力，确保每一件产品的卓越性能。



FACILITIES & EQUIPMENT

Daming have a professional manufacturing base, advanced technology, precise equipment and facilities, our factory covers an area more than 30,000 square meters which including a modernized processing workshop with CNC Process Center, horizontal boring machines, two automatic producing lines of compressor & condensing unit, and a properties testing center. Now Daming have the capability of making complete range compressor and ensuring every product's perfect performance.

HONOR & CERTIFICATES

资质荣誉



DAMING REFRIGERATION

Advanced, Professional
Credible, Steady

力求领先，追求专业，
诚信经营，稳健发展。

创建“大明”品牌，是每个员工孜孜不倦追求的目标和理想，高新技术和高起点的产品结构是实现理想和目标的硬件，严格的管理和“大明制冷”人严谨、细实的工作作风，是完成目标的软件。“大明”是年轻的，更是充满生机和无限希望的，面对激烈的市场竞争，我们将以更优质的产品服务于社会。

To build "Daming" as a famous national brand is the goal diligently pursued by every employee in Daming group. The high technology, perfect product structure and the strict management, meticulous working principle are hardware and software for achieving this goal. More than young, Daming is full of vigour and infinite hope. Facing fierce competition, we will provide more qualified products to the market.



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螺杆式制冷压缩机 Screw Compressor

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活塞式制冷压缩机 Reciprocating Compressor



产品特点 Products features

大明制冷压缩机适用于各种工况工质，力求最大限度地满足您对制冷系统的要求。

The compressors of Daming suit different working condition and refrigerants, try to maximally satisfy your requirements for the refrigerating system.

- 1 技术成熟，结构紧凑 / Developed technology, compact dimension**
体积小，空间要求小 / Small volume and space
- 2 高精度加工，确保压缩机各项指标达标 / High precision machining to ensure the compressor confirm with the standard**
数控加工中心加工壳体 / CNC processing center
特殊工艺保证三孔同心度 / Concentricity due to specific processing technology
最小的死点间隙 / minimal dead space
- 3 运行平稳，震动小，噪音低 / steady operation, small vibration and low noise**
绝佳的稳定性 / Excellent stability
- 4 使用R22、R404等工质，符合国际环保要求 / Refrigerant like R22 and R404 are adopted to protect the environment**
适用于低温、中高温等各种工况 / For mid & low temperature application
- 5 电子保护装置，有效保护电机 / Electrical motor protect device**
PTC温度监控装置 / PTC sensor
- 6 耐磨的驱动件，使用寿命长 / wear resistant driver gear**
镀铬的活塞环，铝制活塞 / Chrome plated piston rings and aluminium pistons
硬化处理过的曲轴 / Hardened crank-shaft
低摩擦轴套 / Less friction
- 7 高效阀板组设计，制冷量大，能耗低 / Efficient valve plate design, high refrigerating capacity and low energy consumption**
高效的吸排气压缩比率 / Efficient compression rate
阀片为瑞典进口钢带锻造，耐冲击 / Valve reed made of imported impact resistant spring steel
- 8 零部件通用程度高，拆修维护方便 / General spare parts, convenient for maintenance.**

型号标识 Nomenclature

BFS31—BFS151

BF 半封闭
Semi-hermetic

S 型号
Model

3 匹数
Horse-power

1 设计系列编号
Series code

4S151D—6S501G

4/6 缸数
Cylinders

S 型号
Model

15 匹数
Horse-power

1 设计系列编号
Series code

D/G D指低温，G指中高温
D for low condensing temperature,
G for mid & high condensing temperature

2YD-2.2—6WG-50.2

2/4/6 缸数
Cylinders

Y/VW 指机型
Type

D/G D指低温，G指中高温
D for low condensing temperature,
G for mid & high condensing temperature

2 匹数
Horse-power

2 设计系列编号
Series code

6WDS-20.2—6WDS-30.2

6 缸数
Cylinders

W 指机型
Type

DS 双级压缩
Double Stage

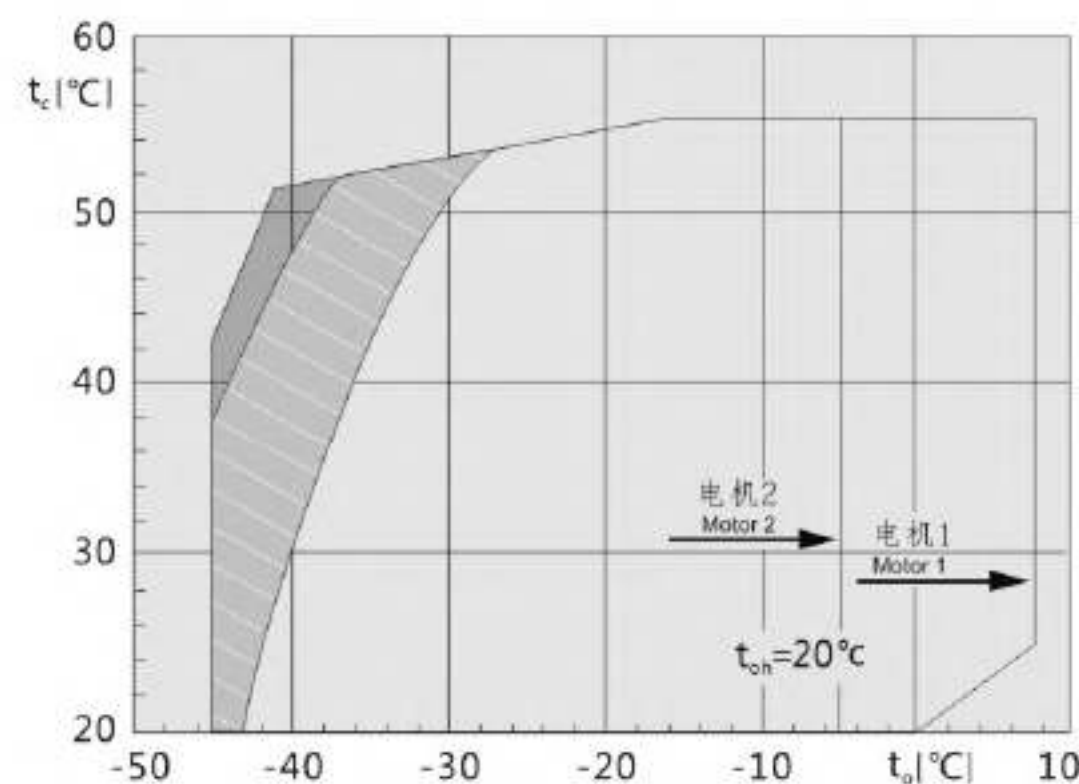
20 匹数
Horse-power

2 设计系列编号
Series code

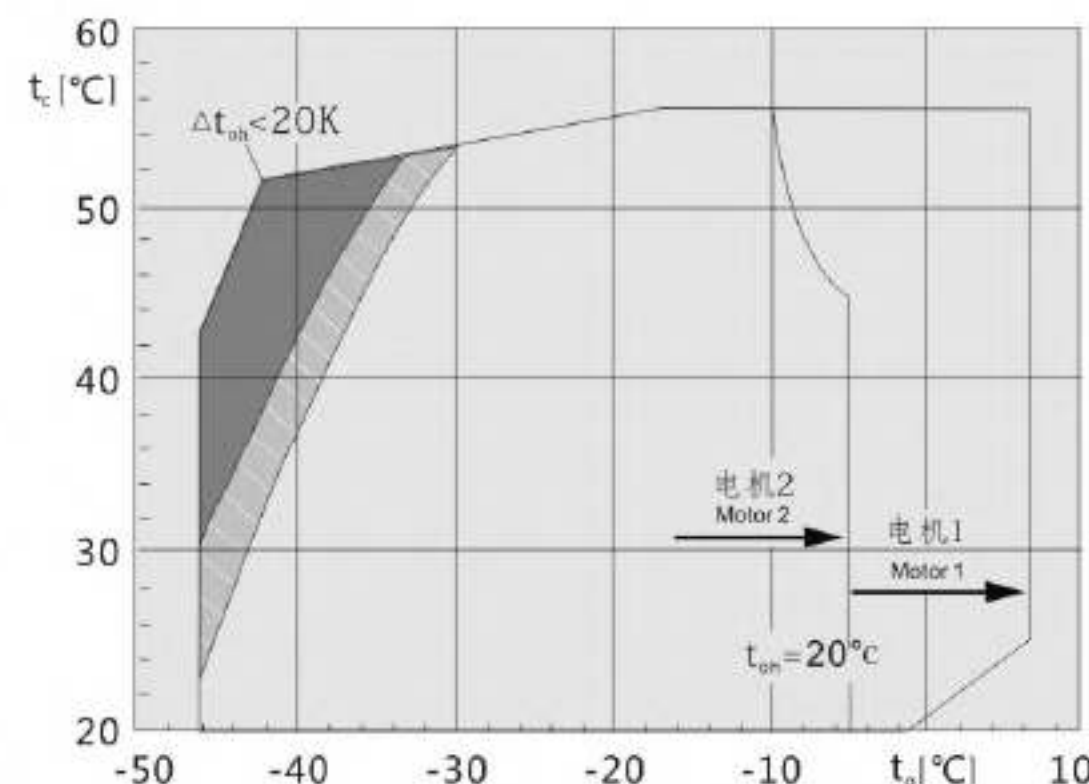
应用范围
基于吸气温度20°C

Application Scope
Suction gas temperature 20°C

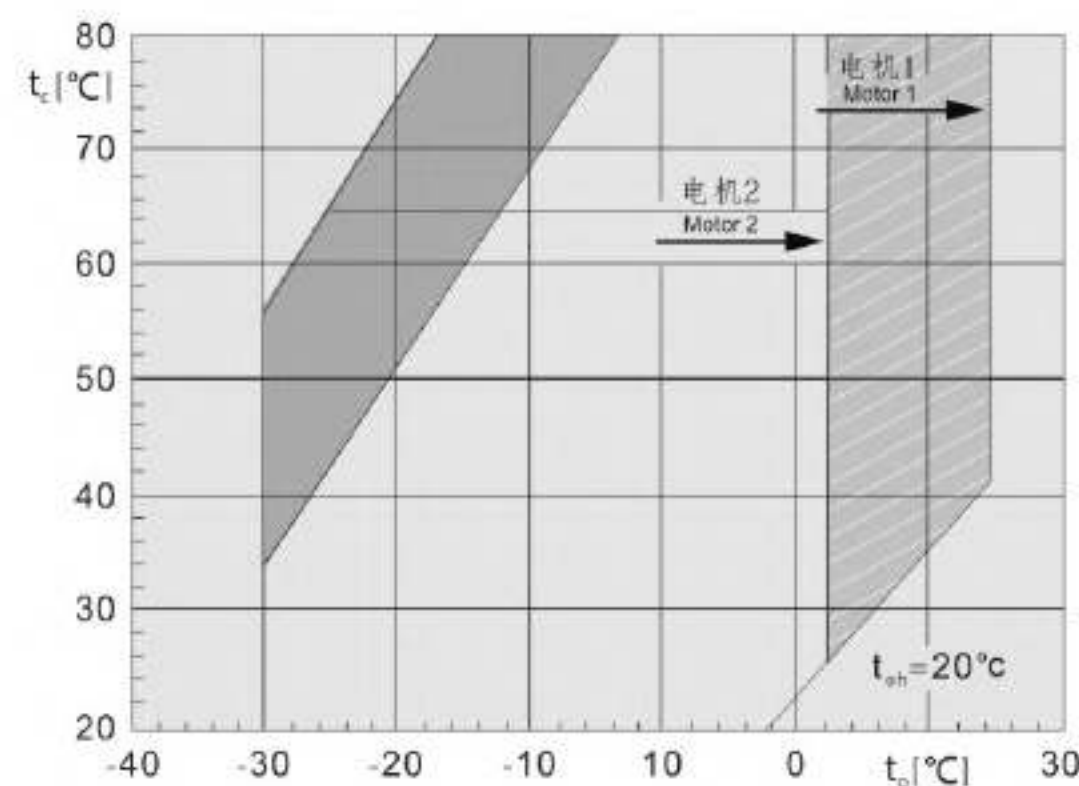
R404A•R507A
2YD-2.2—4YG-9.2



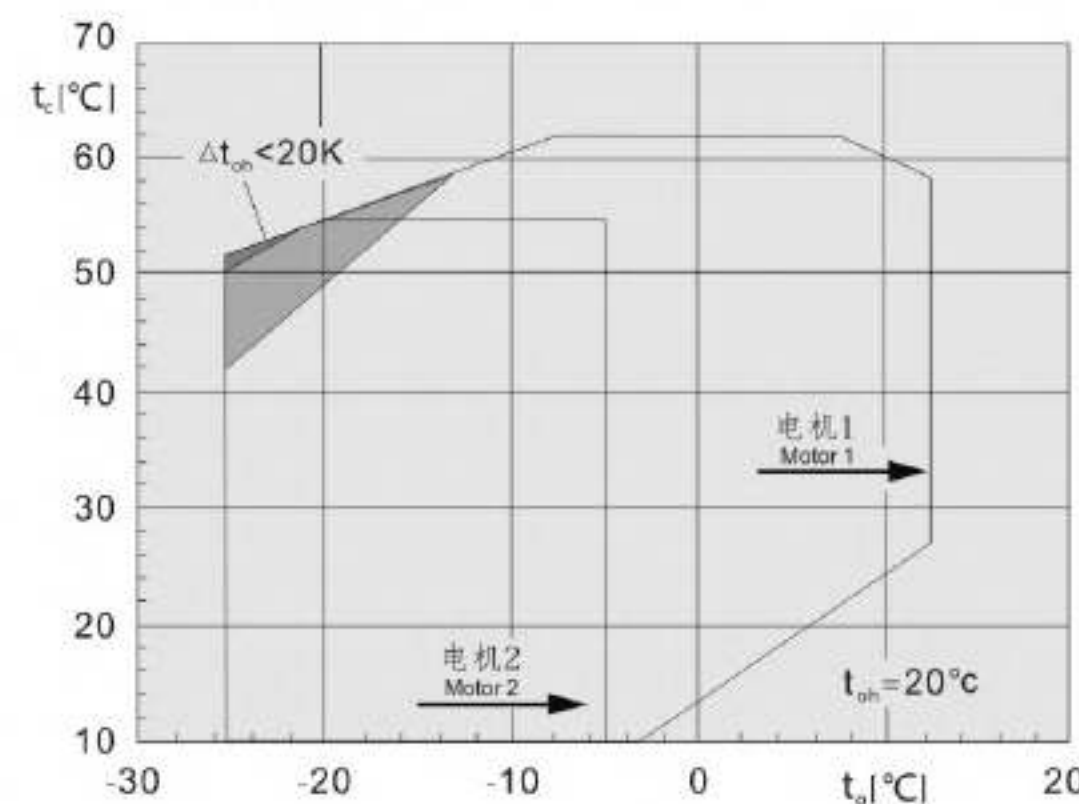
R404A•R507A
4YD-8.2—6WG-50.2
4S151D—6S501G



R134a



R407C



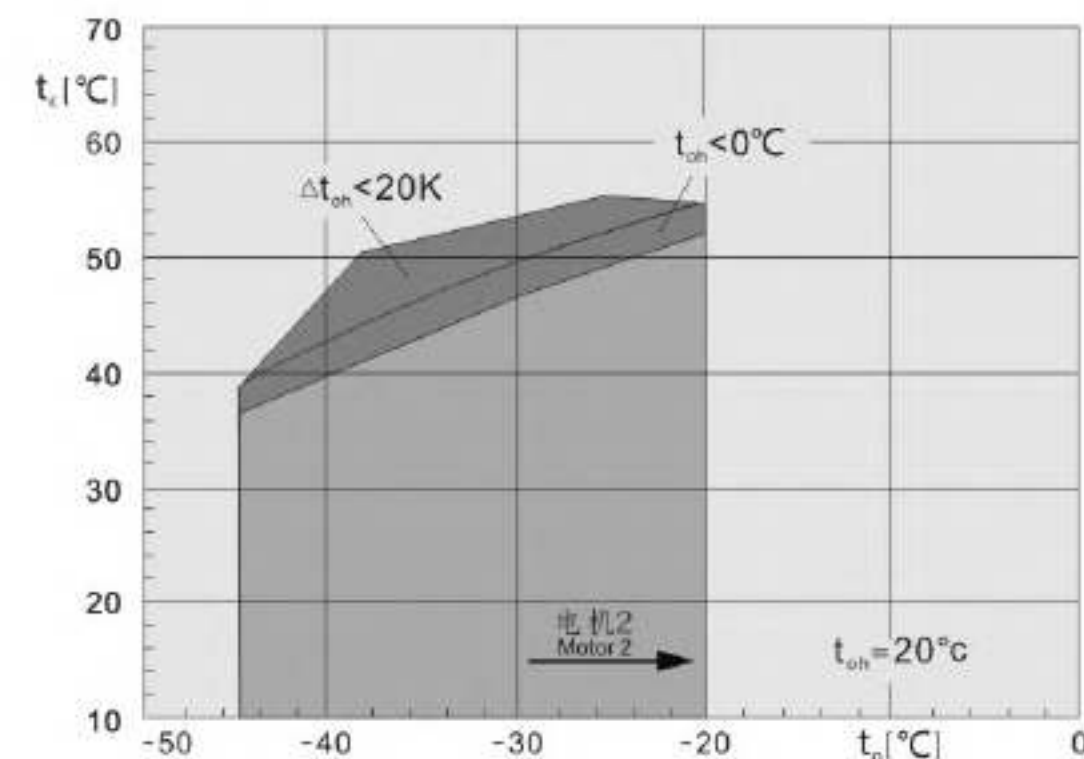
t_e Evaporating temperature(°C) t_e 蒸发温度(°C)
 t_{0h} Suction gas temperature(°C) t_{0h} 吸气温度(°C)
 Δt_{0h} Suction superheat(K) Δt_{0h} 吸气过热度(K)
 t_c Condensing temperature(°C) t_c 冷凝温度(°C)

Additional cooling or max. 0°C suction gas temperature
Additional cooling
Additional cooling&limited suction gas temperature
Suction superheat>10K
附加冷却或最高0°C吸气温度
附加冷却
附加冷却+限制最高吸气温度
吸气过热度>10K

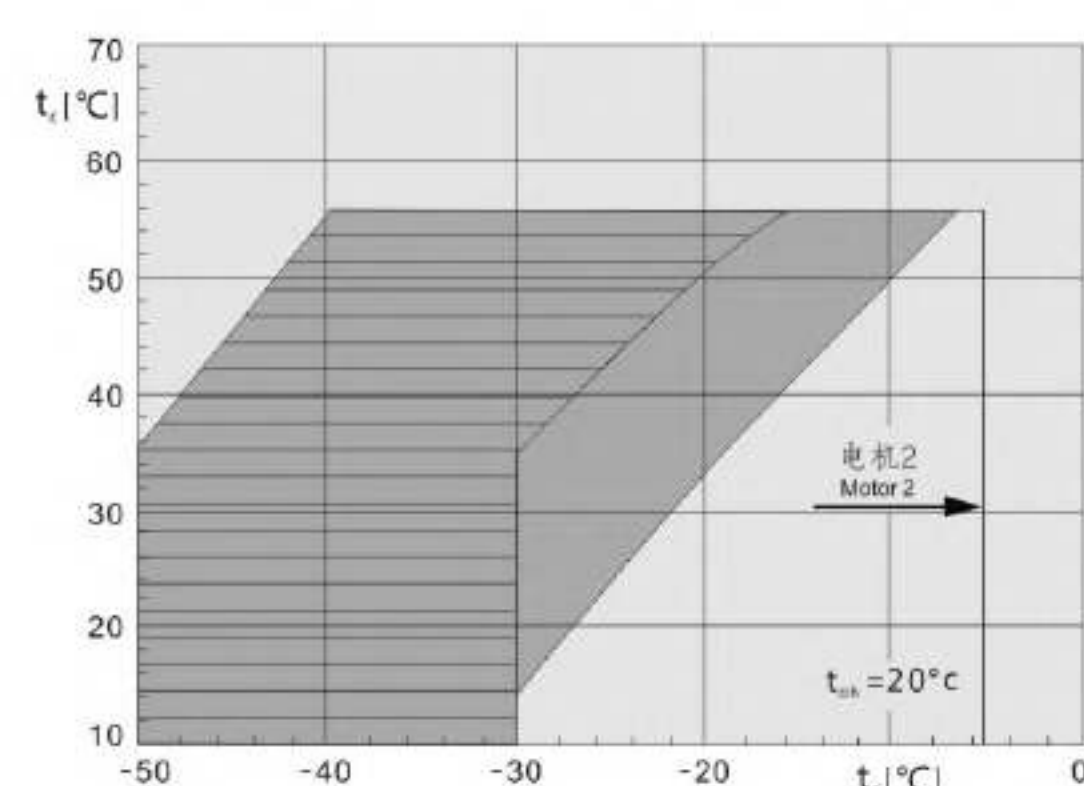
应用范围
基于吸气温度20°C

Application Envelope
Suction gas temperature 20°C

R22 空气冷却-直接吸气冷却 Air cooling-direct suction
2YD-2.2—4YD-5.2

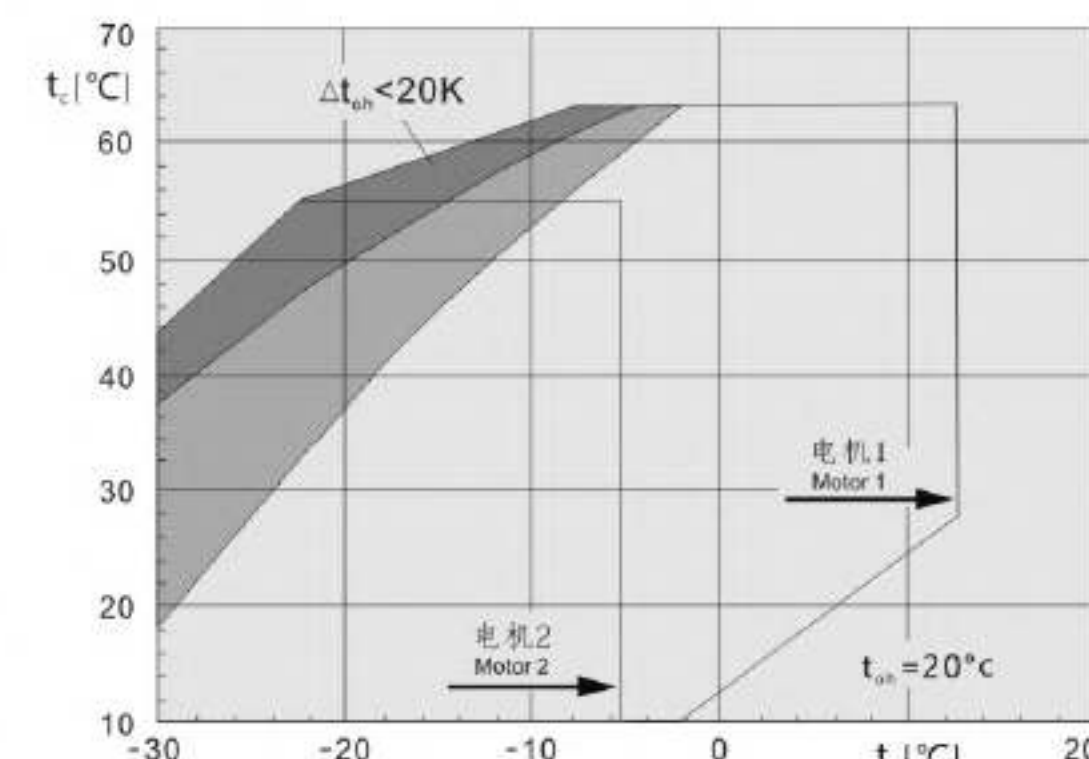


R22
4YD-8.2—6WD-40.2 4S151D—6S401D

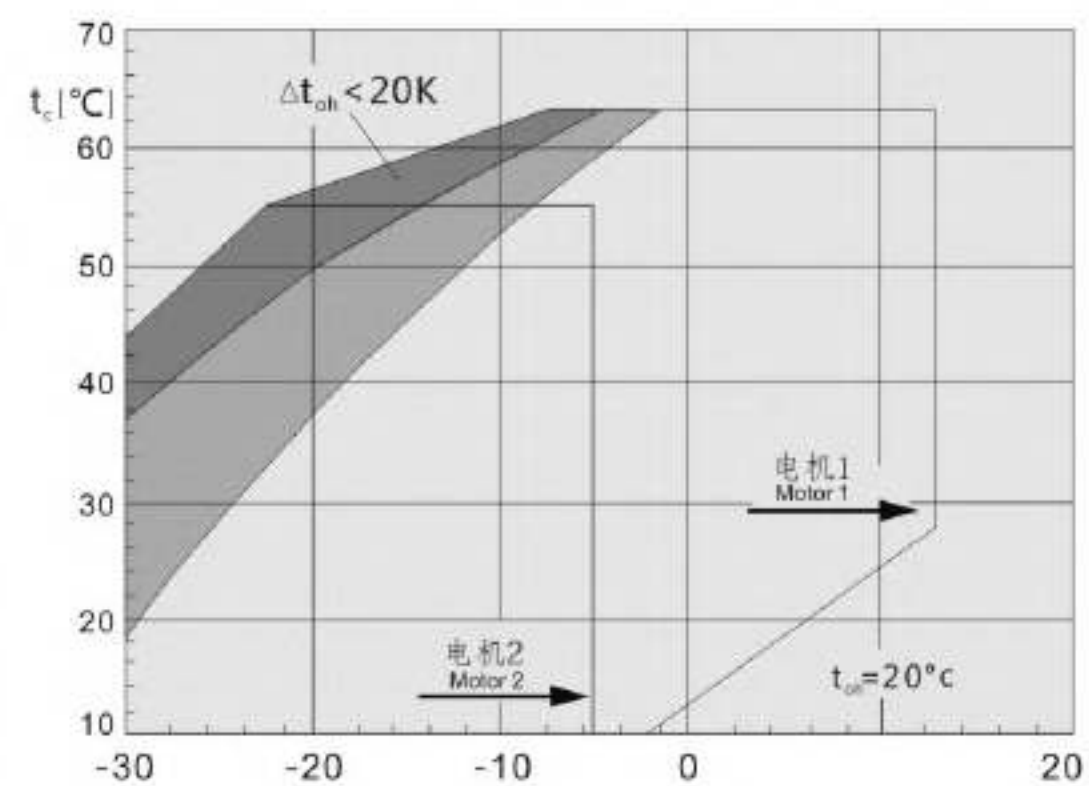


t_e Evaporating temperature(°C) t_e 蒸发温度(°C)
 t_{0h} Suction gas temperature(°C) t_{0h} 吸气温度(°C)
 Δt_{0h} Suction superheat(K) Δt_{0h} 吸气过热度(K)
 t_c Condensing temperature(°C) t_c 冷凝温度(°C)

R22 吸气冷却 Suction gas cooling
2YD-2.2—4YG-9.2



R22
4YD-8.2—6WG-50.2 4S151D—6S501G



Additional cooling
Additional cooling&limited suction gas temperature
Additional cooling&liquid injection cooling system
附加冷却
附加冷却+限制最高吸气温度
附加冷却+喷液冷却系统

技术参数/ Technical Data

压缩机 型号 Compressor Model	电机 名义 功率 Nominal Motor- Power Hp/kW	排气量 Displacement m ³ /h 50/60Hz	缸数x直径 x行程 Number Of Cylinder x Diameter x Stroke mm	吸、排气阀接管 Suction, Discharge Line mm		油注入量 Oil Volume L	电源 Power Supply V/Φ/Hz	电气参数 Electrical Parameter		曲轴箱加热器 Crankcase Heater (220V) W	供油方式 Oil Supply Method	重量 Weight kg
				DL Discharge Valve	SL Suction Valve			最大工作 电流(A) Max Operating Current	启动、堵转 电流(A) Starting/ Locked Current			
BFS31	3/2.2	12.2/14.6	2 × Φ47.6 × 39.2	Φ16	Φ19.05	1.25	380- 420/3/50 440- 480/3/60	5.2	24/26	60	飞溅式润滑 Splashing lubrication	62
BFS41	4/3	14.7/17.8	2 × Φ54 × 37	Φ19.05	Φ25.4	1.85		7.6	38/44	60		85
BFS51	5/3.7	18.4/22.1	2 × Φ54 × 46	Φ19.05	Φ25.4	1.85		7.6	38/44	60		87
BFS81	8/5.5	26.6/32.1	2 × Φ64 × 48	Φ25.4	Φ31.75	3.5		15	74/81	120		133
BFS101	10/7.5	36/43.2	2 × Φ64 × 64	Φ25.4	Φ31.75	3.5		15.6	93/103	120		137
BFS151	15/10.5	54/64.8	3 × Φ64 × 64	Φ28	Φ38.1	4.8		22.3	133/150	180		172
4S151D	15/10.5	73.6/88.8	4 × Φ70 × 55	Φ28	Φ42	4		31	81/132	140	油泵供油 Forced- lubrication	183
4S251G	25/18.5	73.6/88.8	4 × Φ70 × 55	Φ28	Φ54	4.5		45	116/193	140		203
4S201D	20/15	84.5/101.9	4 × Φ75 × 55	Φ28	Φ54	4.5		37	97/158	140		192
4S301G	30/22	84.5/101.9	4 × Φ75 × 55	Φ28	Φ54	4.5		53	135/220	140		206
6S251D	25/18.5	110.5/133.4	6 × Φ70 × 55	Φ35	Φ54	4.75		45	116/193	140		224
6S351G	35/25.5	110.5/133.4	6 × Φ70 × 55	Φ42	Φ54	4.75		61	147/262	140		235
6S321D	30/22	126.8/153.0	6 × Φ75 × 55	Φ42	Φ54	4.75		53	135/220	140		228
6S401G	40/30	126.8/153.0	6 × Φ75 × 55	Φ42	Φ54	4.75		78	180/323	140		238
6S401D	40/30	151.6/183.0	6 × Φ82 × 55	Φ42	Φ54	4.75		78	180/323	140		239
6S501G	50/37	151.6/183.0	6 × Φ82 × 55	Φ42	Φ54	4.75		92	226/404	140		241

技术参数/ Technical Data

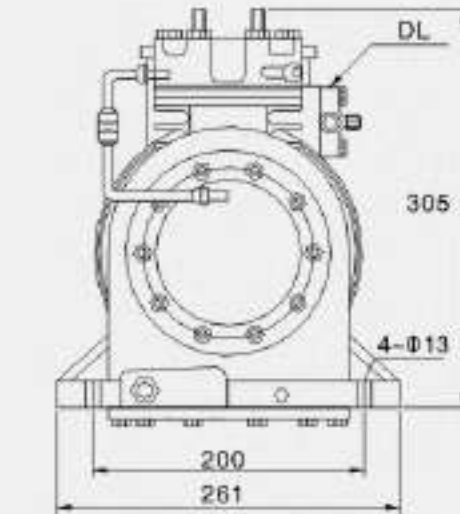
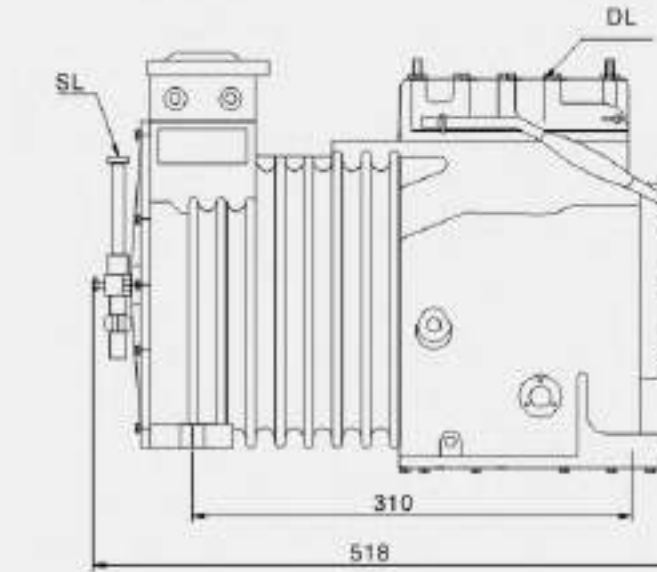
压缩机 型号 Compressor Model	电机 名义 功率 Nominal Motor- Power Hp/kW	排气量 Displacement m ³ /h 50/60Hz	缸数x直径 x行程 Number Of Cylinder x Diameter x Stroke mm	吸、排气阀接管 Suction, Discharge Line mm		油注入量 Oil Volume L	电源 Power Supply V/Φ/Hz	电气参数 Electrical Parameter		曲轴箱加热器 Crankcase Heater (220V) W	供油方式 Oil Supply Method	重量 Weight kg
				DL Discharge Valve	SL Suction Valve			最大工作 电流(A) Max Operating Current	启动、堵转 电流(A) Starting/ Locked Current			
2YD-2.2	2/1.5	13.4/16.2	2 × Φ50 × 39.3	Φ16	Φ22	1.5	220-240△ /380- 420Y/3/50 265-290△ /440- 480Y/3/60	11.9/6.9	53.7/30.7	120	离心润滑 Centrifugal lubrication	67.5
2YG-3.2	3/2.2	13.4/16.2	2 × Φ50 × 39.3	Φ16	Φ22	1.5		13.5/7.8	64/37	120		70.5
2YD-3.2	3/2.2	16.2/19.6	2 × Φ55 × 39.3	Φ16	Φ22	1.5		14.8/8.5	64/37	120		70
2YG-4.2	4/3	16.2/19.6	2 × Φ55 × 39.3	Φ16	Φ22	1.5		16.4/9.4	76.6/44.2	120		70
4YD-3.2	3/2.2	18.1/21.8	4 × Φ41 × 39.3	Φ16	Φ22	2		15.9/9.2	76.6/44.2	120		82
4YG-5.2	5/3.7	18.1/21.8	4 × Φ41 × 39.3	Φ16	Φ22	2		18.7/10.8	107.7/62.2	120		86
4YD-4.2	4/3	22.7/27.4	4 × Φ46 × 39.3	Φ22	Φ28	2		18.5/10.7	92.7/53.2	120		84
4YG-6.2	6/4.4	22.7/27.4	4 × Φ46 × 39.3	Φ22	Φ28	2		22.9/13.2	107.7/62.2	120		86
4YD-5.2	5/3.7	26.8/32.4	4 × Φ50 × 39.3	Φ22	Φ28	2		23.4/13.5	107.7/62.2	120		85.5
4YG-7.2	7/5.1	26.8/32.4	4 × Φ50 × 39.3	Φ22	Φ28	2		27.5/15.9	142.8/82.4	120		88.5
4YD-6.2	6/4.4	32.5/39.2	4 × Φ55 × 39.3	Φ22	Φ28	2		27.5/15.9	142.8/82.4	120		90.5
4YG-9.2	9/6.6	32.5/39.2	4 × Φ55 × 39.3	Φ22	Φ28	2		34.5/20	142.8/82.4	120		90.5
4YD-8.2	8/5.5	41.3/49.9	4 × Φ60 × 42	Φ28	Φ35	2.6		17	49/81	120		134
4YG-12.2	12/8.8	41.3/49.9	4 × Φ60 × 42	Φ28	Φ35	2.6		24	69/113	140		141
4YD-10.2	10/7.5	48.5/58.5	4 × Φ65 × 42	Φ28	Φ35	2.6		21	59/99	140		139
4YG-15.2	15/10.5	48.5/58.5	4 × Φ65 × 42	Φ28	Φ35	2.6		31	81/132	140		147
4YD-12.2	12/8.8	56.2/67.9	4 × Φ70 × 42	Φ28	Φ35	2.6		24	69/113	140		141

技术参数/ Technical Data

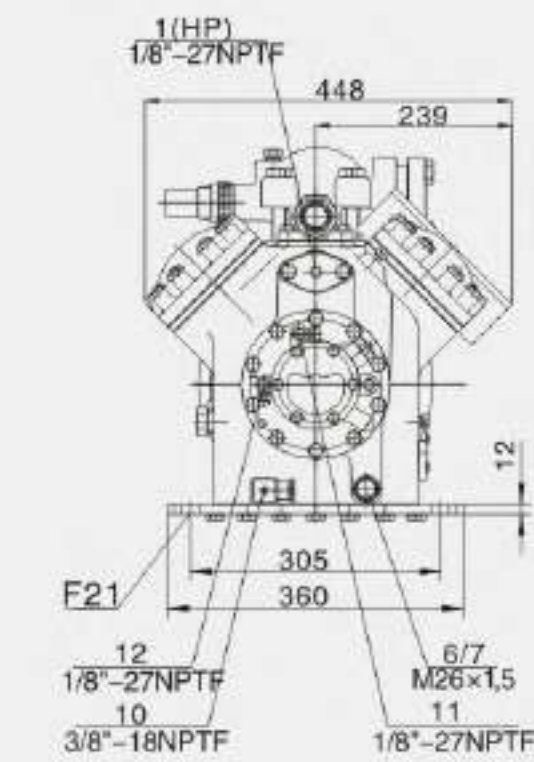
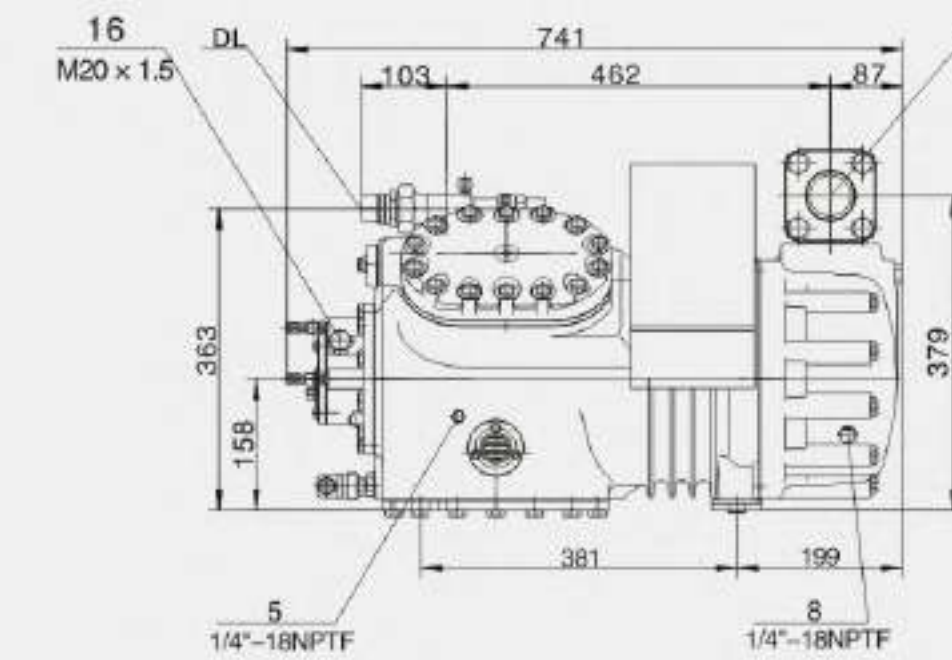
压缩机 型号 Compressor Model	电机 名义 功率 Nominal Motor- Power Hp/kW	排气量 m ³ /h 50/60Hz Displacement	缸数×直径 ×行程 Number Of Cylinder x Diameter x Stroke mm	吸、排气阀接管 Suction, Discharge Line mm		油注入量 Oil Volume L	电源 Power Supply V/Φ/Hz	电气参数 Electrical Parameter		曲轴箱加热器 Crankcase Heater (220v) W	供油方式 Oil Supply Method	重量 Weight kg
				DL Discharge Valve	SL Suction Valve			最大工作 电流(A) Max Operating Current	启动、堵转 电流(A) Starting/ Locked Current			
4YG-20.2	20/15	56.2/67.9	4 × Φ70 × 42	Φ28	Φ42	2.6	380- 420YY/3/50 440- 480YY/3/60	37	97/158	140	离心润滑 Centrifugal lubrication	150
4VD-15.2	15/10.5	73.6/88.8	4 × Φ70 × 55	Φ28	Φ42	4		31	81/132	140	油泵供油 Forced- lubrication	183
4VG-25.2	25/18.5	73.6/88.8	4 × Φ70 × 55	Φ28	Φ54	4.5		45	116/193	140		203
4VD-20.2	20/15	84.5/101.9	4 × Φ75 × 55	Φ28	Φ54	4.5		37	97/158	140		192
4VG-30.2	30/22	84.5/101.9	4 × Φ75 × 55	Φ28	Φ54	4.5		53	135/220	140		206
6WD-25.2	25/18.5	110.5/133.4	6 × Φ70 × 55	Φ35	Φ54	4.75		45	116/193	140		224
6WG-35.2	35/25.5	110.5/133.4	6 × Φ70 × 55	Φ42	Φ54	4.75		61	147/262	140		235
6WD-30.2	30/22	126.8/153.0	6 × Φ75 × 55	Φ35	Φ54	4.75		53	135/220	140		228
6WG-40.2	40/30	126.8/153.0	6 × Φ75 × 55	Φ42	Φ54	4.75		78	180/323	140		238
6WD-40.2	40/30	151.6/183.0	6 × Φ82 × 55	Φ42	Φ54	4.75		78	180/323	140		239
6WG-50.2	50/37	151.6/183.0	6 × Φ82 × 55	Φ42	Φ54	4.75		92	226/404	140		241
6WDS-20.2	20/15	73.6/36.9 88.8/44.5	6 × Φ70/70 × 55	Φ35	Φ42	4.75		37	97/158	140		220
6WDS-25.2	25/18.5	84.5/42.3 101.9/51.1	6 × Φ75/75 × 55	Φ35	Φ42	4.75		45	116/193	140		233
6WDS-30.2	30/22	101.1/50.5 122.0/60.9	6 × Φ82/82 × 55	Φ35	Φ42	4.75		53	135/220	140		234

压缩机各接口位置和外形尺寸图 Connections and Dimension

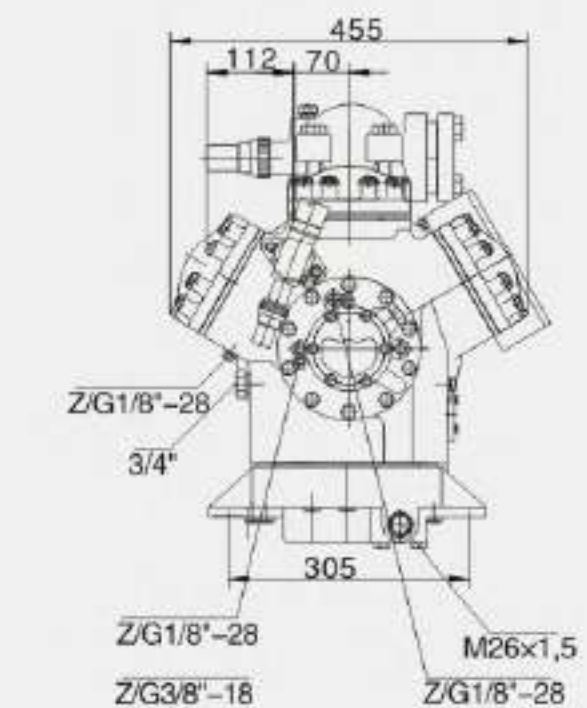
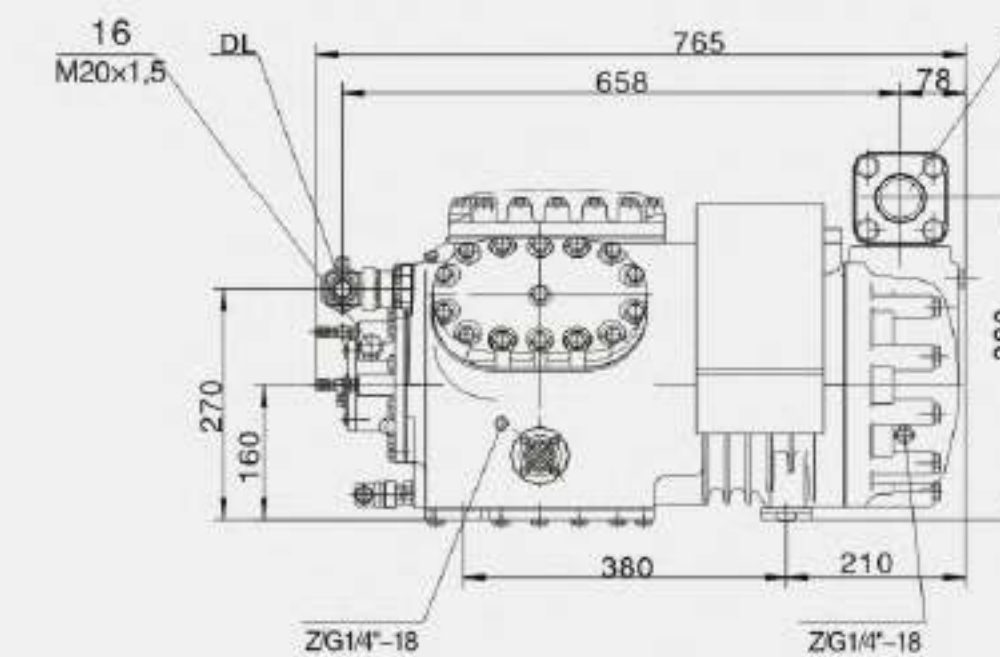
▶ BFS31---BFS151



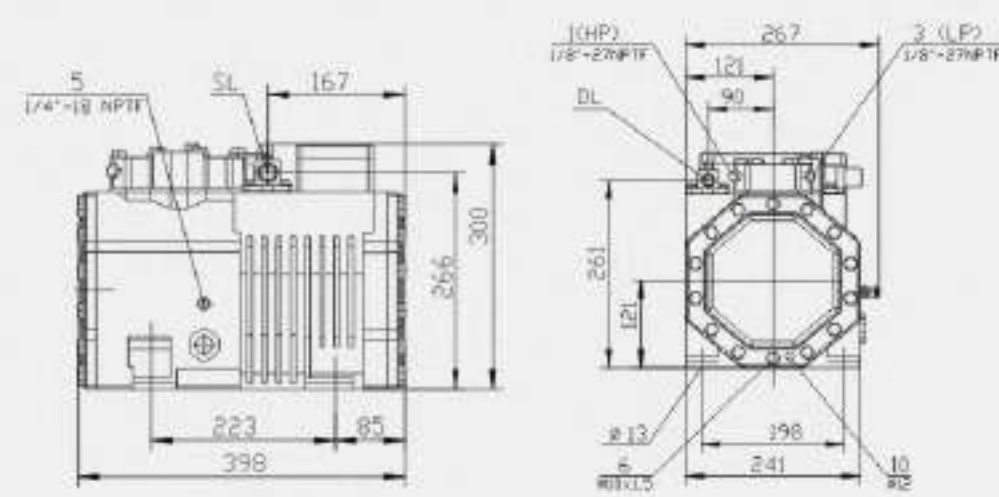
▶ 4S151D---4S301G



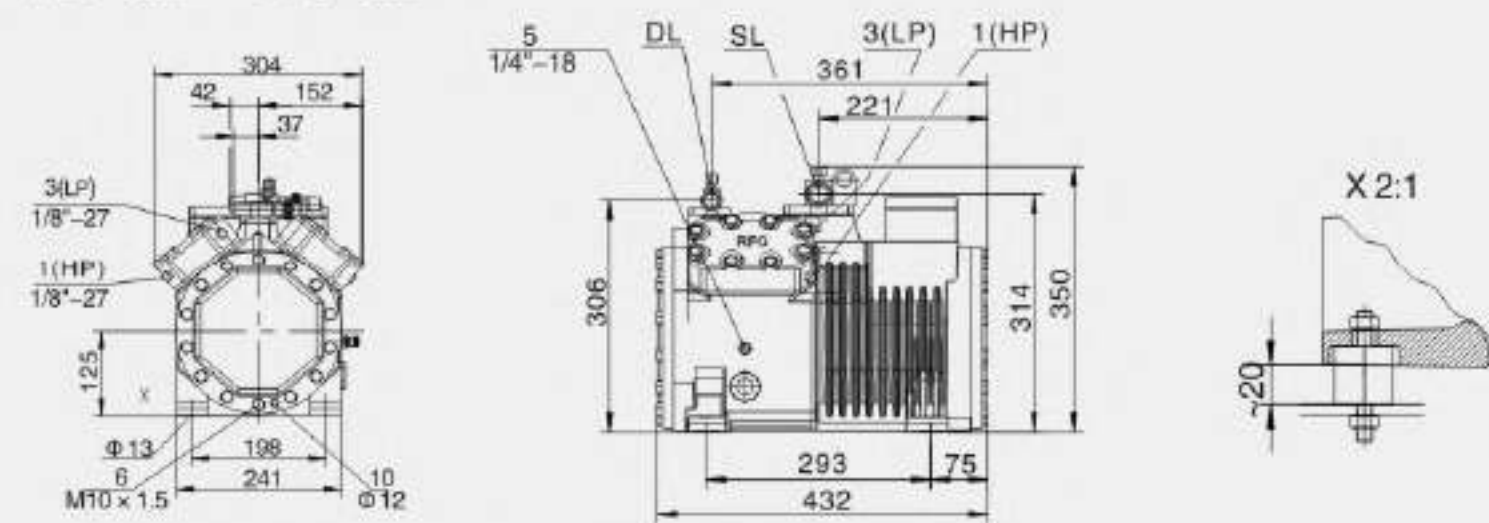
▶ 6S251D---6S501G



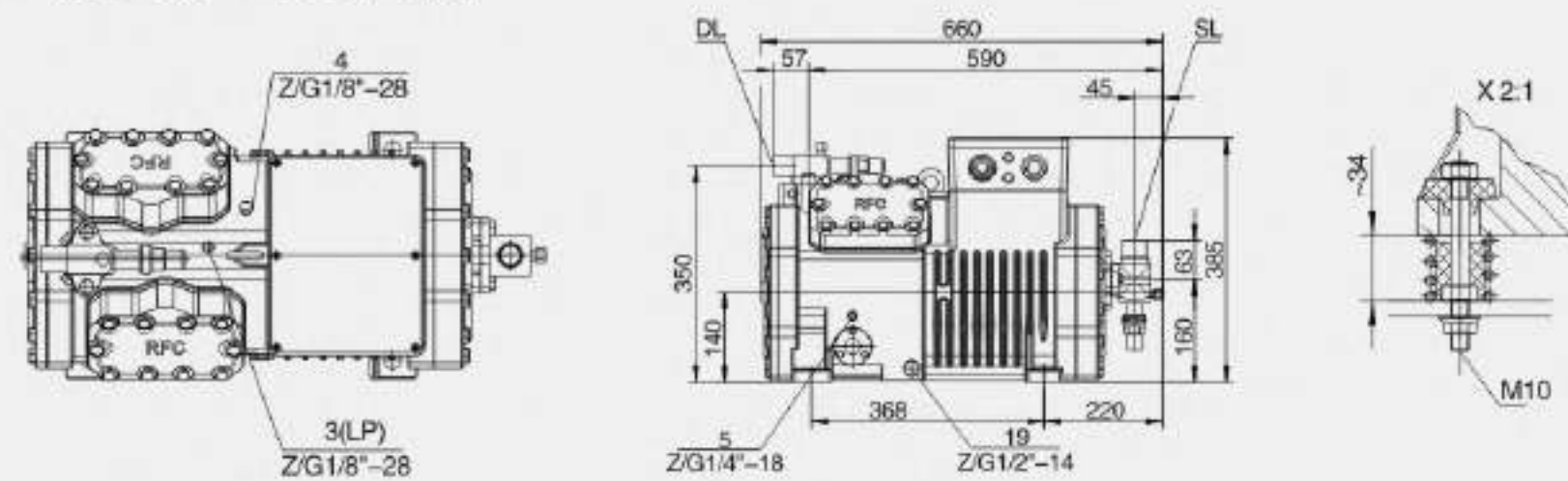
▶ 2YD-2.2--2YG-4.2



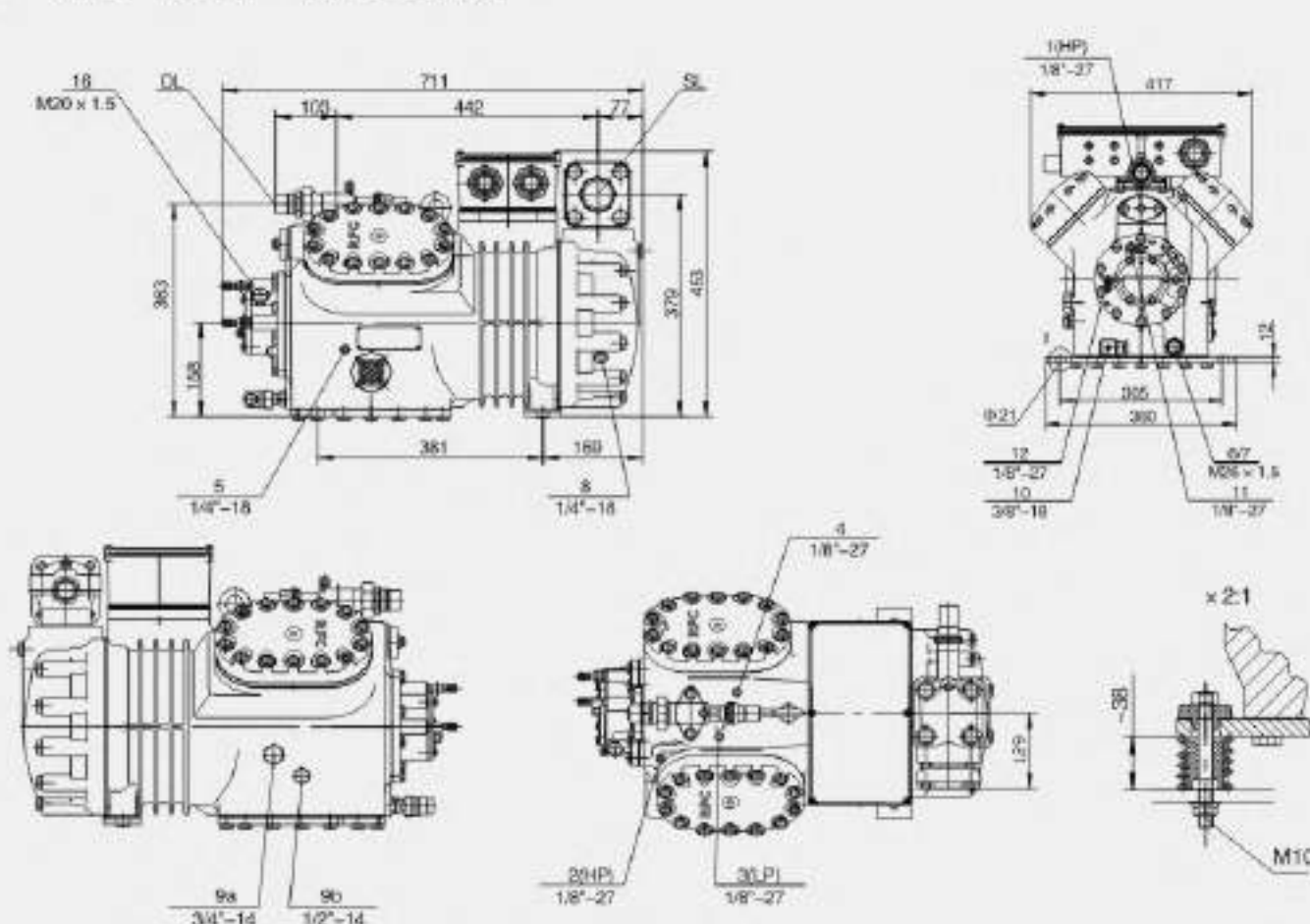
▶ 4YD-3.2--4YG-9.2



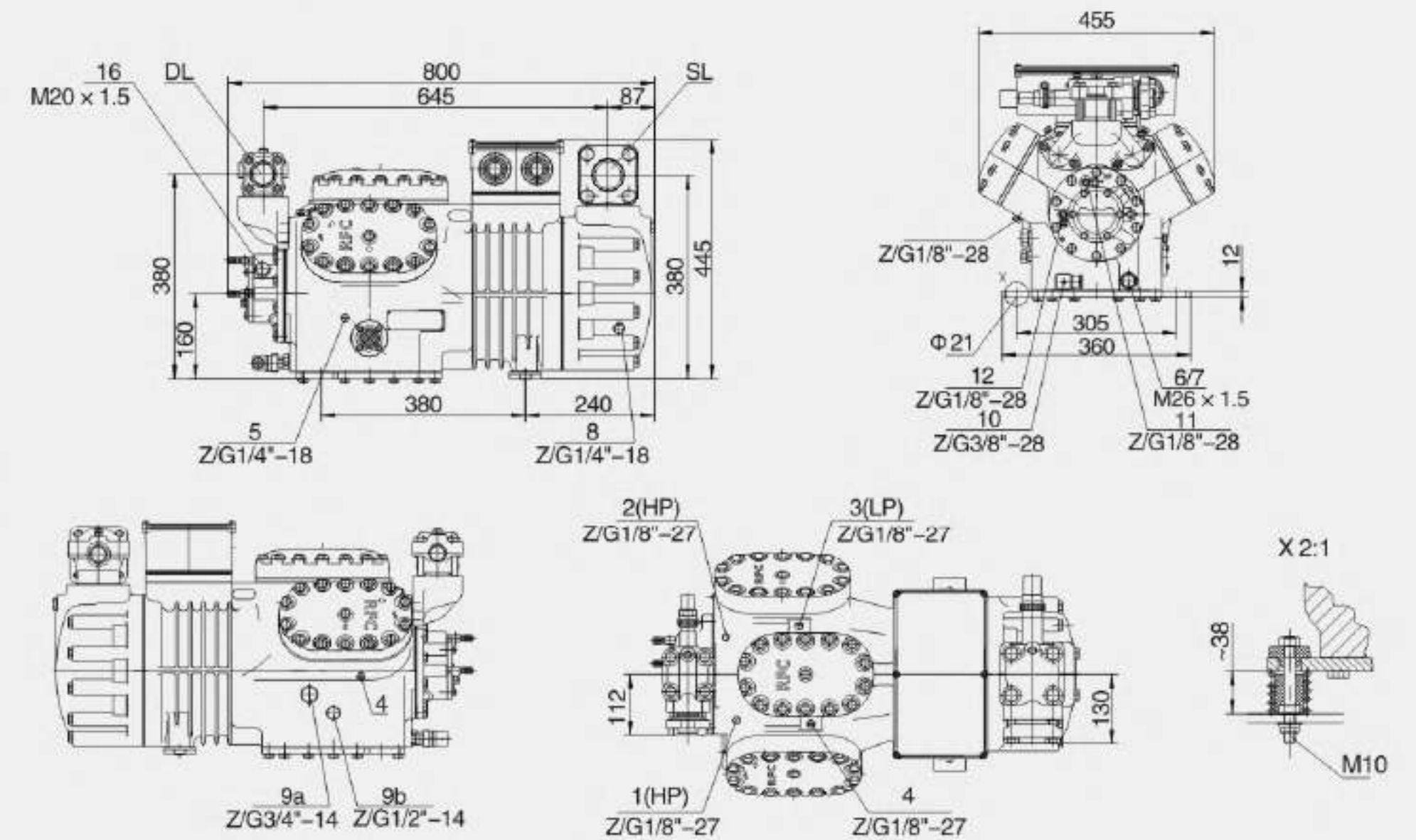
▶ 4YD-8.2--4YG-20.2



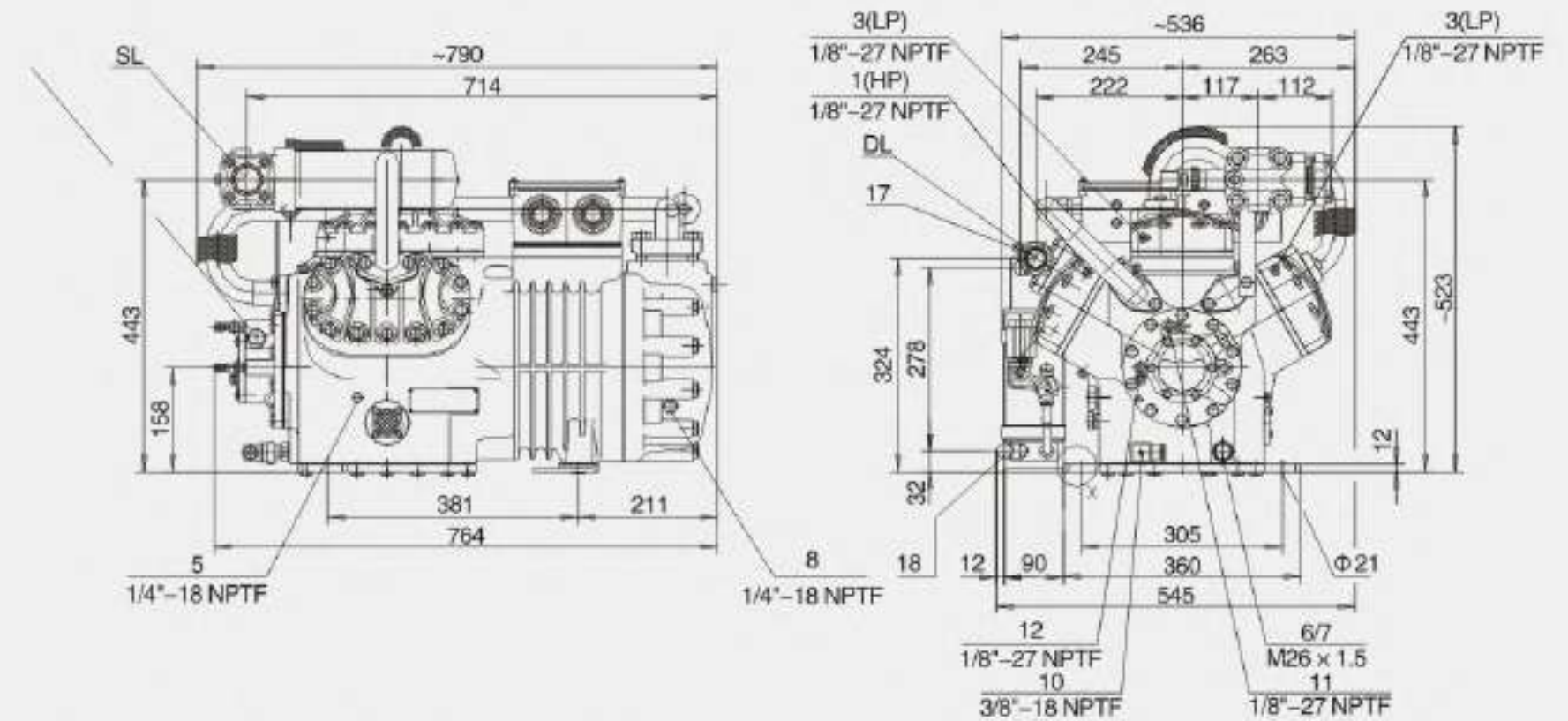
▶ 4YD-15.2--4VG-30.2



▶ 6WD-25.2--6WG-50.2



▶ 6WDS-20.2--6WDS-30.2



图示接管位置说明 Connection Positions

- | | | | |
|---------------------------|------------------------------------|------------------------|---|
| 1. 高压接口 (HP) | 1. High pressure connection (HP) | 9a. 气平衡接口 (并联运行) | 9a. Gas equalisation (parallel operation) |
| 2. 排气温度探头接口 (HP) | 2. Discharge gas temp. sensor (HP) | 9b. 油平衡接口 (并联运行) | 9b. Discharge gas temp. sensor (HP) |
| 3. 低压接口 (LP) | 3. Low pressure connection (LP) | 10. 曲轴箱加热器 | 10. Crankcase heater |
| 4. CIC系统: 喷嘴接口 (不带液体过冷运行) | 4. CIC System: spray nozzle | 11. 油压高压接口+ | 11. Oil pressure connection+ |
| 5. 加油堵 | 5. Oil fill plug | 12. 油压低压接口- | 12. Oil pressure connection- |
| 6. 放油口 | 6. Oil drain | 16. 油压差开关 "Delta-p" 连接 | 16. Connection for oil monitoring (Delta-p) |
| 7. 油过滤器 (带磁螺栓) | 7. Oil filter (magnetic screw) | 21. 油服务阀接口 | 21. Connection for oil service valve |
| 8. 回油口 (接油分离器) | 8. Oil return (oil separator) | SL. 吸气阀接口 | SL. Connection for suction valve |
| | | DL. 排气阀接口 | DL. Connection for discharge valve |

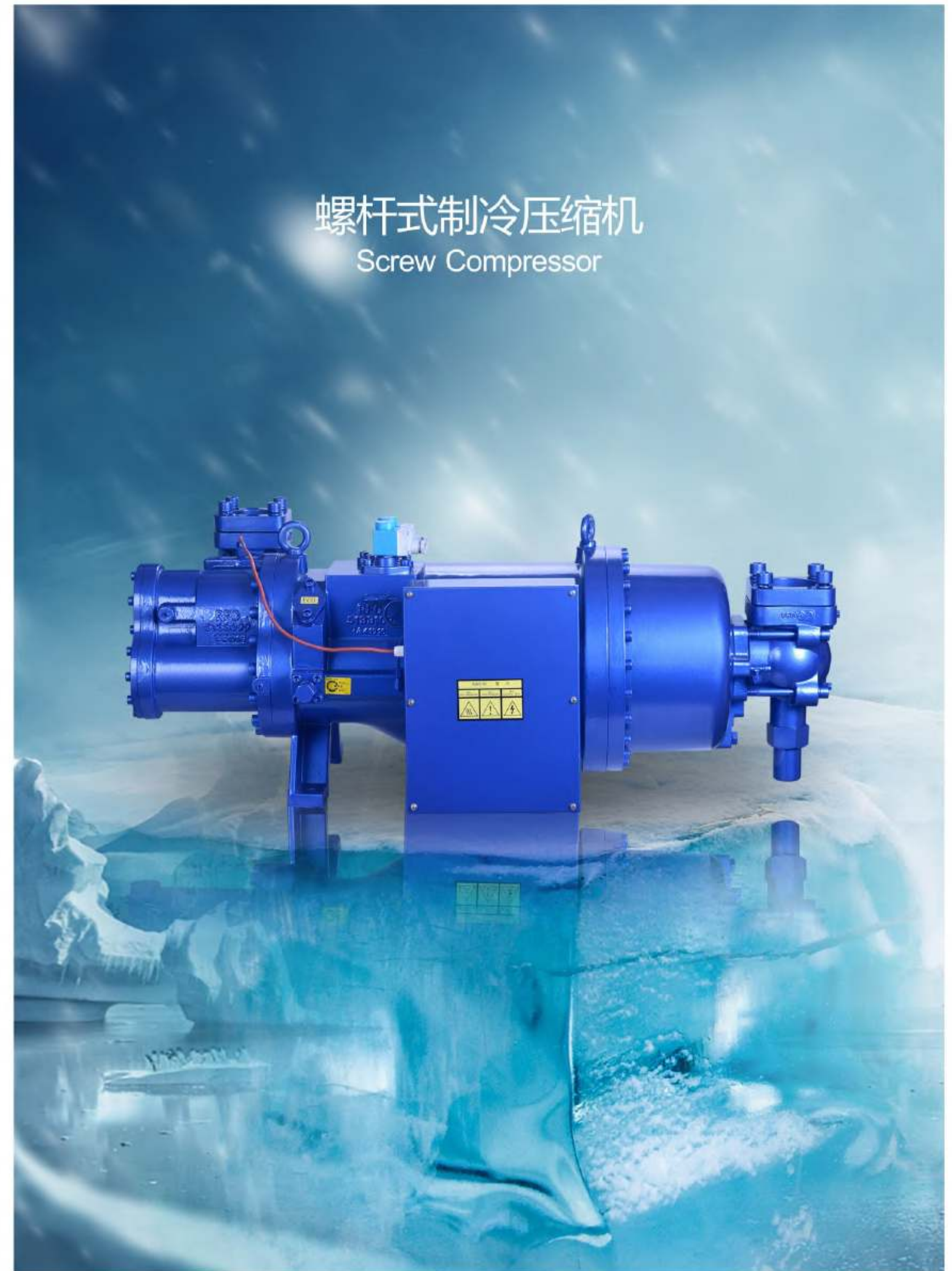


完美与卓越的追求者
质量与服务的践行者

The pursuer of perfection
and excellence
The practitioner of quality
and service



螺杆式制冷压缩机 Screw Compressor



型号标识 Nomenclature

COMPRESSOR / 压缩机 S L G 210-70 Y D 2

COMPRESSOR TYPE / 压缩机型号

S Semi-hermetic / 半封闭

SERIES / 系列

L Refrigeration / 冷冻

K Air condition / 空调

TYPE / 类型

G High temp / 高温机

D Low temp / 低温机

PLACEMENT-NOMINAL POWER / 排气量-名义功率

210-70 m³/h·Hp / 立方-马力

CAPACITY / 能量调节

Y Step control / 有级调节

W Stepless / 无级调节

STAGE / 压缩类型

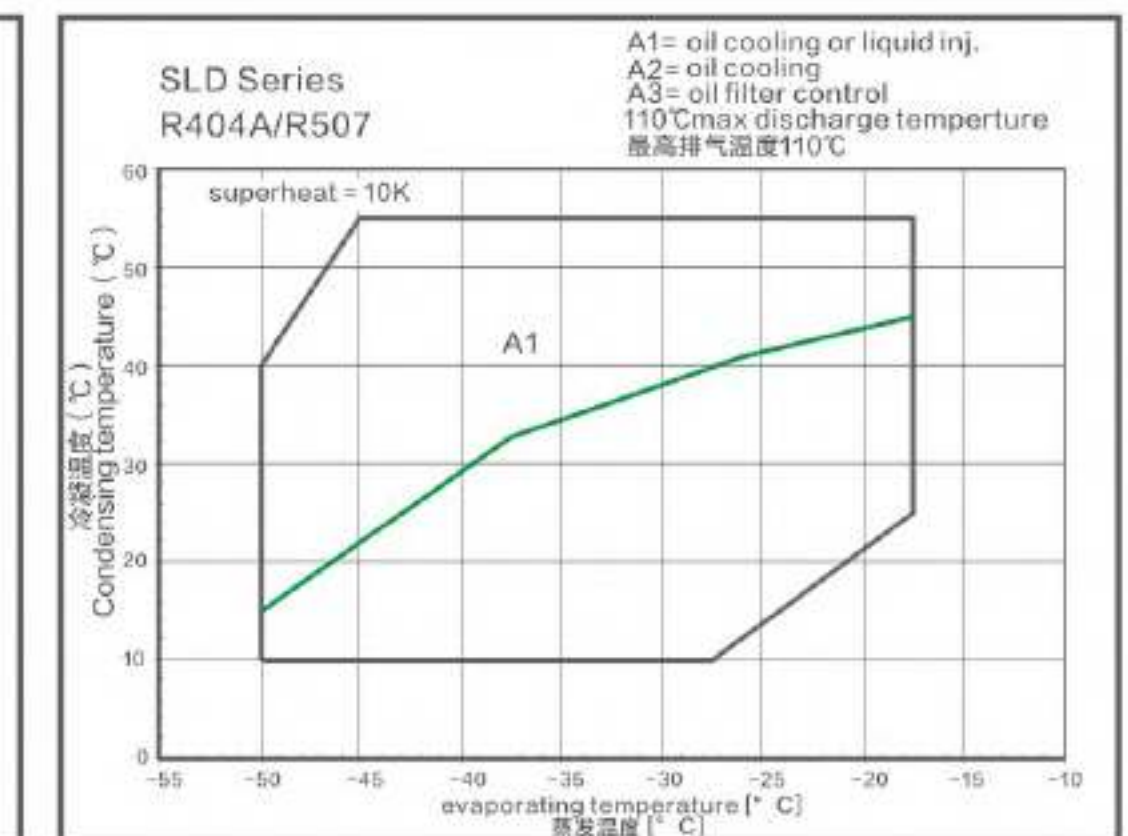
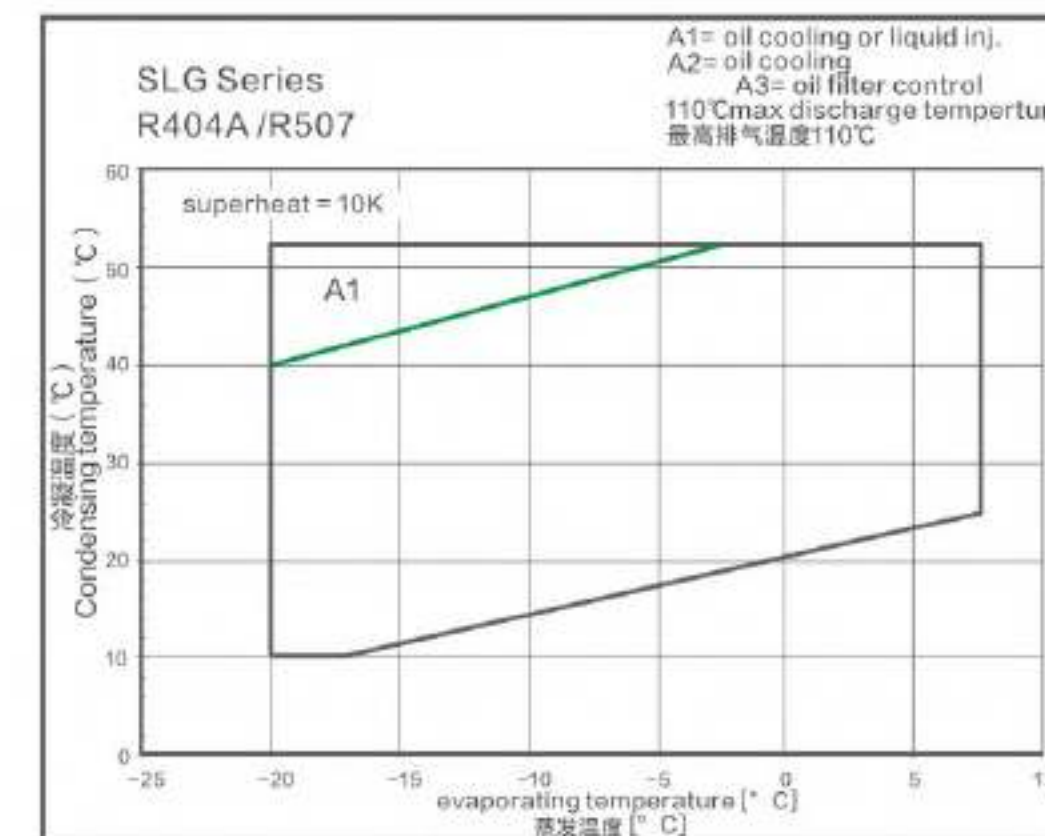
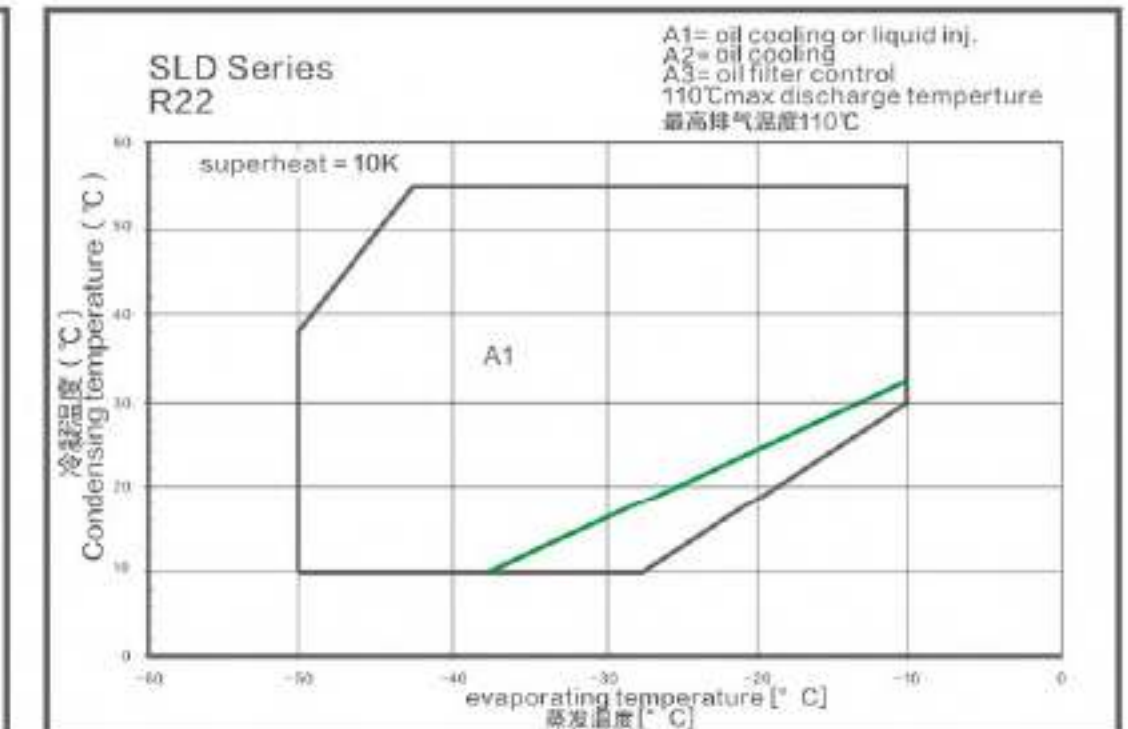
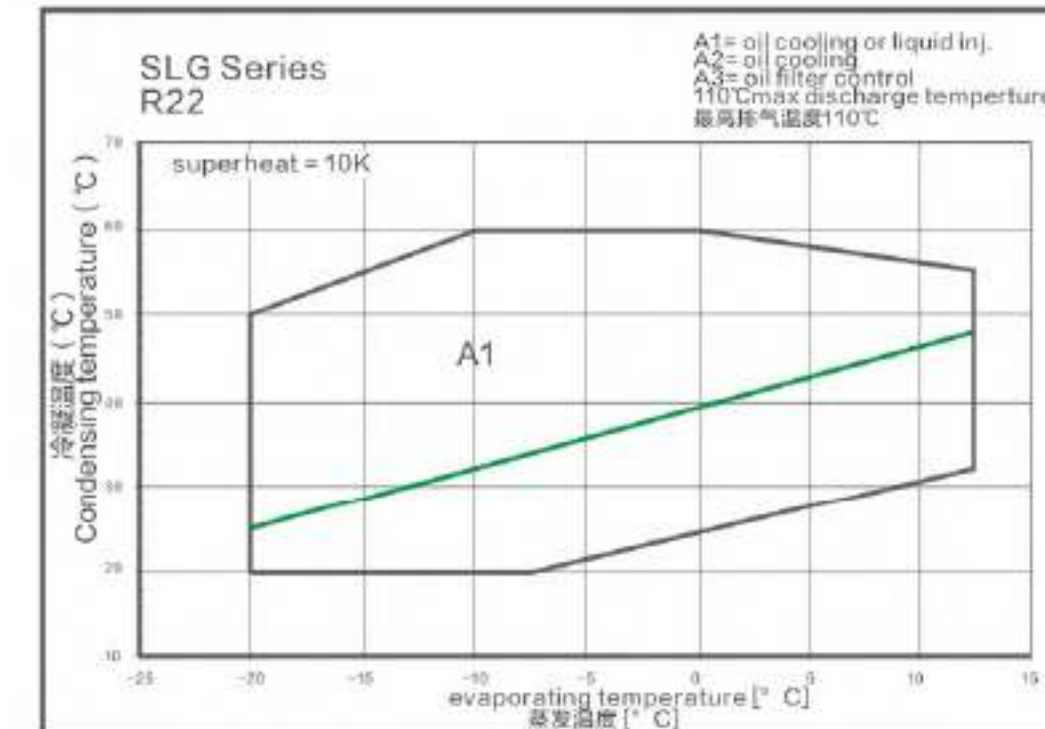
D Single Stage / 单级压缩

S Double Stage / 双级压缩

VERSION / 版本

2 2 / 第2版

应用范围 Application Scope



Key / 图例 :

Qo : cooling capacity (kW) / 冷量 (kW)

Pa : input power (kW) / 输入电功率 (kW)

Te : Evaporating temperature (°C) / 蒸发温度 (°C)

Tc : Condensing temperature (°C) / 冷凝温度 (°C)

50Hz frequency / 50Hz 频率

Liquid subcooling 5K / 液体过冷度 5K

Suction gas superheat 10K / 吸气过热度 10K

技术数据 Technical Data

Model/型号	SLG	100-35	120-40	140-50	190-65	210-70	230-80	290-100	320-110	350-120	370-130	420-145	470-160	520-180	570-195	640-210
Displacement 50Hz 排气量50Hz	m³/h	102	128	145	188	205	235	293	322	354	368	416	469	520	572	641
Nominal Motor Power 电机名义功率	Hp/kW	40/30	40/30	50/37	70/52	70/52	80/60	100/75	115/83	120/89	130/98	145/108	160/120	180/135	195/146	210/157
Weight 重量	Kg	245	245	255	405	410	420	535	540	545	665	675	710	1030	1050	1050
Discharge line, internal Ø 排气管内径尺寸	mm	45	45	45	57	57	57	57	57	57	76	76	76	76	76	76
Suction line, internal Ø 吸气管内径尺寸	mm	57	57	57	76	76	76	89	89	89	89	89	89	108	108	108
Energy regulation 能量调节	50%,70%,100%有级调节或50%~100%无级调节 50%,70%,100% step regulation or 50%~100% stepless regulation															
Protection module 保护模块	INT 69 RCY															
Standard motor 标准电机	380V/3/50Hz~460/3/60Hz															
Starting current 星/三角启动电流	A	134	134	139	193	193	298	338	354	366	453	453	543	595	678	767
	A	134	134	182	139	193	338	318	318	354	374	453	543	595	595	595
Maximum working current 最大工作电流	A	56	60	78	104	109	126	158	175	187	206	228	253	284	308	331

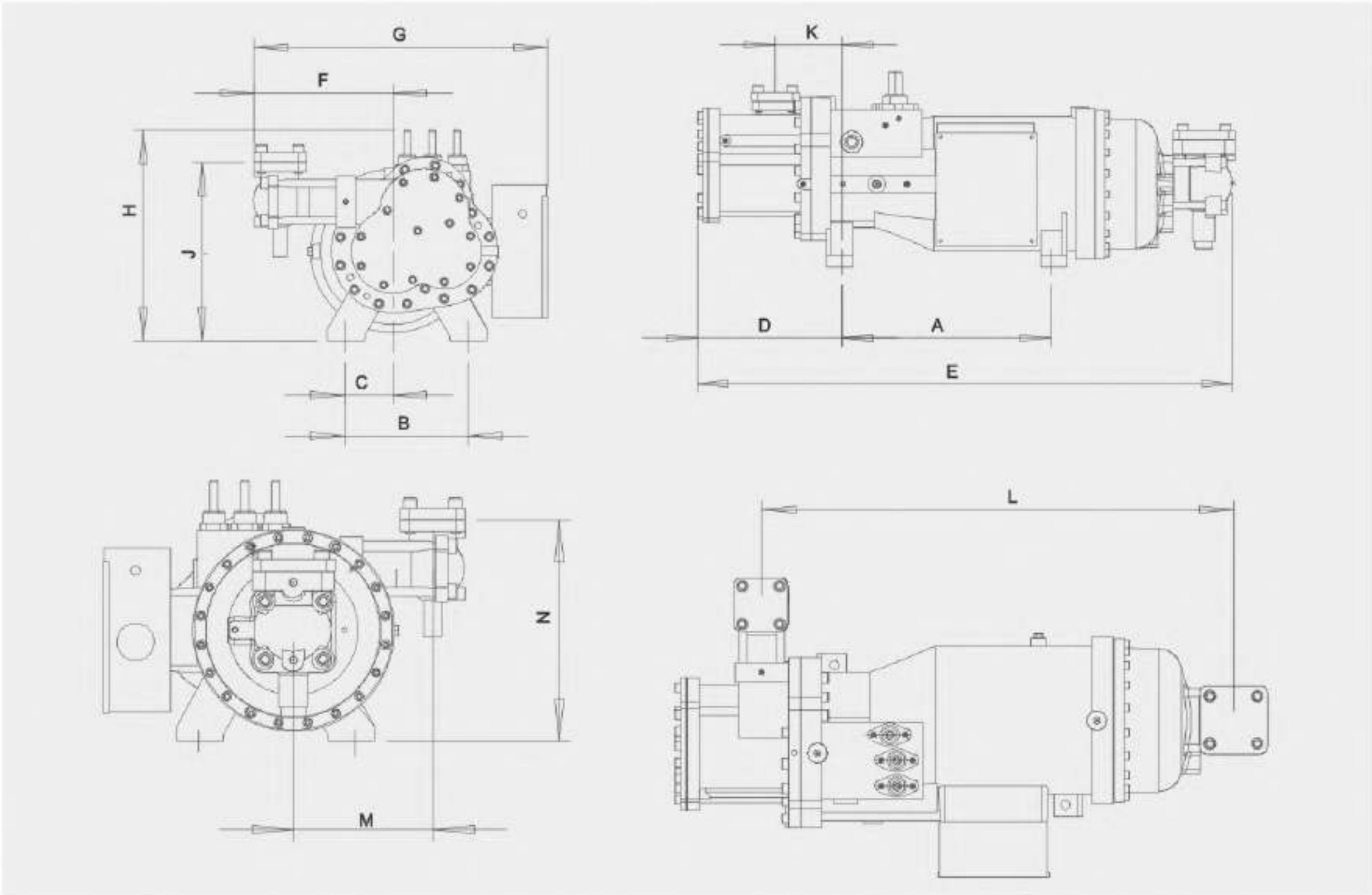
技术数据 Technical Data

Model/型号	SLD	100-25	120-30	140-40	190-50	210-60	230-70	290-80	320-90	350-100	370-110	420-120	470-140	520-160	570-175	640-190
Displacement 50Hz 排气量50Hz	m³/h	102	128	145	188	205	235	293	322	354	368	416	469	520	572	641
Nominal Motor Power 电机名义功率	Hp/kW	30/22	30/22	40/30	60/45	60/45	70/53	80/60	90/68	100/75	110/83	120/89	140/105	160/120	175/131	200/143
Weight 重量	Kg	245	245	255	405	410	420	535	540	545	665	675	710	1030	1050	1050
Discharge line, internal Ø 排气管内径尺寸	mm	45	45	45	57	57	57	57	57	57	76	76	76	76	76	76
Suction line, internal Ø 吸气管内径尺寸	mm	57	57	57	76	76	76	89	89	89	89	89	89	108	108	108
Energy regulation 能量调节	50%,70%,100%有级调节或50%~100%无级调节 50%,70%,100% step regulation or 50%~100% stepless regulation															
Protection module 保护模块	INT 69 RCY															
Standard motor 标准电机	380V/3/50Hz~460/3/60Hz															
Starting current 星/三角启动电流	A	131	131	134	182	182	193	298	318	338	416	416	453	543	595	678
	A	131	131	134	182	182	193	298	318	338	416	416	453	543	595	678
Maximum working current 最大工作电流	A	42	46	63	90	95	112	126	144	157	175	187	221	251	275	301

技术数据 Technical Data

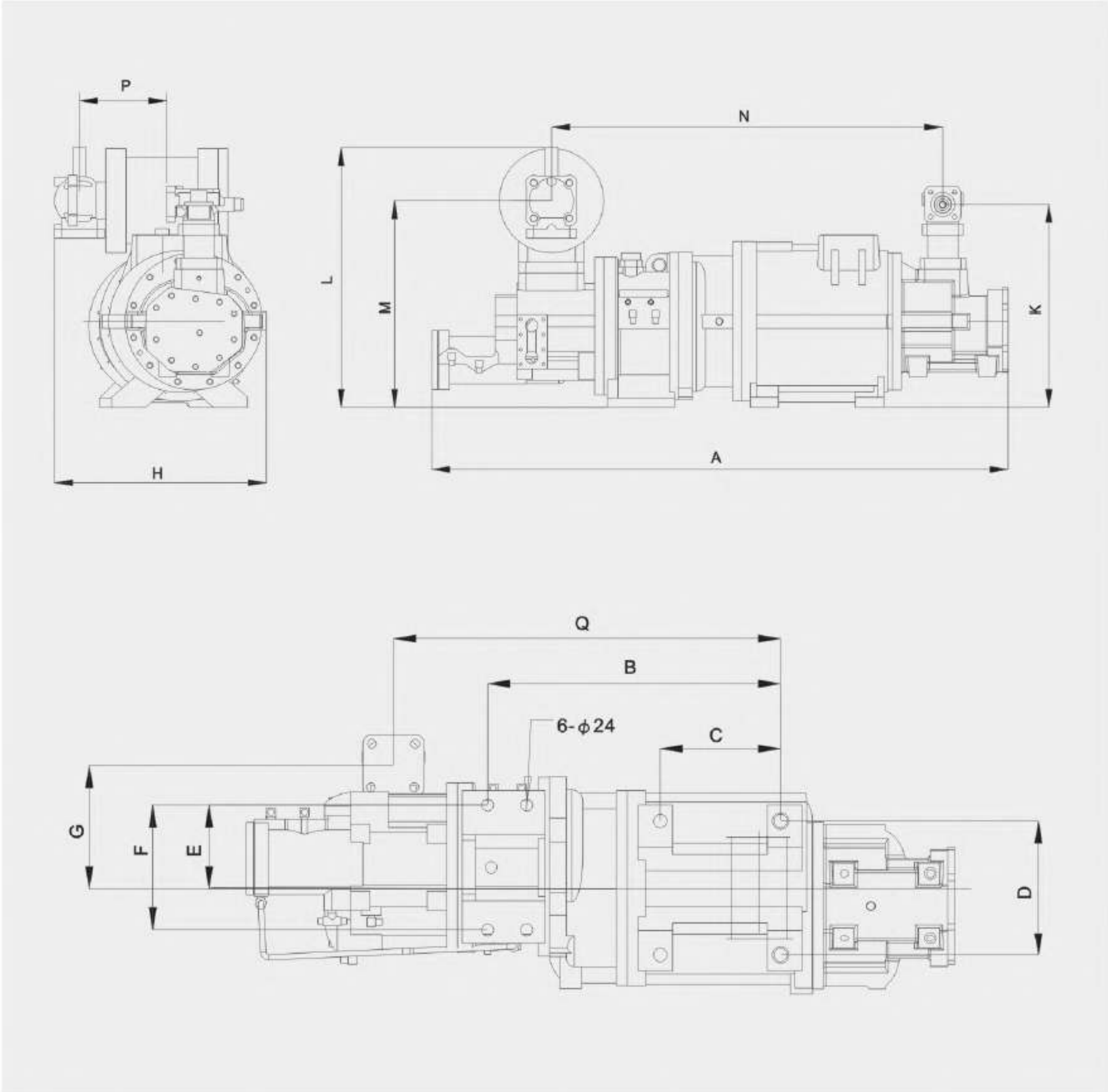
Model/型号	SLD-S	230S-50	420S-100	640S-150
Evaporation temperature 蒸发温度	℃	- 60 ~ - 30(R22); - 60 ~ - 30(R404A/R507)		
Rotate speed 转速	r/min	2960/3552		
Low pressure displacement 低压级排气量	m³/h	235/282	420/504	641/769
High pressure displacement 高压级排气量	m³/h	102 / 122	192/230	235/282
Low pressure casing size 低压级套管尺寸	mm	67	80	92
High pressure casing size 高压级套管尺寸	mm	42	54	67
Capacity adjustment range 容量调节范围	%	三段 (100, 50, 25) 3 segment		
Power supply 电源	V/Hz	3Ph / 380 V / 50 Hz		
Motor form 电机形式	三相，两极，半封闭异步电动机 3 phase, 2 pole, semi asynchronilus motor			
Starting mode 启动方式	“Y-△” 启动或 “△” 直接启动 “Y-△” starting or “△” direct starting			
Protection devices 保护装置	电源欠相，逆相保护，绕组内埋温度保护 Protection from phase shortage and negative phase,thermostat inside the winding			
Strength test 强度试验Bar	g	42		
Rated power 额定功率	Hp/kW	60/45	125/94	175/131
Starting current/Y 启动电流 Y-LRA	A	137	276	374
Starting current/△ 启动电流 △-LRA	A	448	878	1155
Rated current 额定电流 RLA	A	85	170	237
Maximum working current 最大运转电流 RLAmx(A)	A	108	207	290
Wight 重量	kg	410	620	870

安装尺寸 Dimension



SLG	100-35	120-40	140-50	190-65	210-70	230-80	290-100	320-110	350-120	370-130	420-145	470-160	520-180	570-195	640-210
SLD	100-25	120-30	140-40	190-50	210-60	230-70	290-80	320-90	350-100	370-110	420-120	470-140	520-160	570-175	640-190
A		338			390			480			425			540	
B		232			290			290			360			340	
C		96			120			115			145			170	
D		276			309			327			326			417	
E		965			1125			1243			1281			1509	
F		255			285			316			352			377	
G		545			590			646			717			757	
H		410			475			450			495			535	
J		325			371			378			427			465	
K		134			165			150			158			181	
L		766			850			995			1025			1167	
M		208			216			247			286			296	
N		267			290			290			340			350	
供油管 Oil	16 / 5/8"						22 / 7/8"								
排气管 DLΦ	45 / 1-5/8"			57 / 2-1/8"						76 / 3-1/8"					
吸气管 SLΦ	57 / 2-1/8"			76 / 2-5/8"			89 / 3-1/8"			89 / 3-5/8"			108 / 4-1/8"		

安装尺寸 Dimension



型号Model	A	B	C	D	E	F	G	H	K	L	M	N	P
SLD230S-50	1271	526	216	243	150	224	221	468	448	574	457	863	193
SLD420S-100	1520	637	250	290	198	290	239	530	567	745	618	1094	209

制冷量表/Performance Data R22

型号Model	SLD230S-50									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-60	22.46	22.16	22.07	24.13	21.68	26.23	21.29	26.21	20.89	29.96
-55	29.31	21.96	28.86	24.69	28.41	26.67	27.95	28.21	27.48	32.61
-50	37.59	22.86	37.05	24.79	36.51	28.17	35.97	30.22	35.42	35.05
-45	47.49	23.96	46.85	26.13	46.19	28.84	45.58	32.41	44.93	37.67
-40	59.29	25.46	58.49	27.83	57.72	30.88	56.95	34.92	56.17	40.61
-35	73.14	27.46	72.17	30.02	71.23	33.41	70.29	37.88	69.36	44.09
-30	89.26	30.08	88.09	32.86	86.93	36.55	85.81	41.47	84.68	48.27

型号Model	SLD420S-100									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-60	41.21	41.98	41.44	45.75	40.71	50.24	39.97	55.63	39.20	65.80
-55	55.05	41.22	54.21	46.11	53.34	51.21	52.48	57.54	51.60	68.82
-50	70.58	42.91	69.56	46.55	68.56	52.67	67.54	59.74	66.49	71.91
-45	89.17	44.99	87.96	49.06	86.74	54.14	85.57	62.66	84.36	75.74
-40	111.32	47.80	109.81	52.25	108.38	57.99	106.93	66.50	105.47	80.44
-35	137.32	51.56	135.52	56.38	133.75	62.72	131.98	71.52	130.24	86.38
-30	167.59	56.51	165.40	61.69	163.23	68.61	161.11	77.93	158.99	93.78

型号Model	SLD640S-150									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-60	62.85	60.79	59.03	66.73	57.99	73.91	56.92	84.17	55.84	100.82
-55	82.03	60.18	77.20	66.40	75.98	74.25	74.76	85.58	73.50	103.27
-50	105.20	61.12	99.09	67.14	97.65	75.65	96.19	87.84	94.72	106.39
-45	132.90	64.09	125.29	69.87	123.55	78.27	121.97	91.42	120.16	111.00
-40	165.89	68.09	156.41	74.41	154.36	82.60	152.30	96.48	150.23	117.11
-35	204.63	73.43	193.02	80.30	190.50	89.34	187.98	103.35	185.50	125.15
-30	249.74	80.49	235.58	87.86	232.51	98.05	229.47	112.30	226.48	135.41

说明:
1. Tc= 冷凝温度, Te= 蒸发温度;
2. 吸气过热度: 5°C, 液体过冷度: 5°C;
3. Q= 名义工况制冷量, P= 名义工况功耗;
Remark:
1. Tc= Condensing Temp., Te = Evaporating Temp.;
2. Suction superheat: 5°C; liquid subcooling: 5°C;
3. Q = Cooling capacity, P = Power consumption;

Require additional cooling 此工况需要油冷却

制冷量表/Performance Data R22

型号Model	SLD230S-50 油冷负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-60	10.51	12.04	13.73	15.88	18.98
-55	8.75	10.53	12.63	15.33	18.96
-50	6.7	9.74	12.23	14.97	18.78
-45	4.49	6.77	11.64	14.43	18.64
-40	2.25	4.78	8.04	14.35	18.05
-35	0.5	2.89	6.53	14.18	17.8
-30	0	1.5	5.28	12.87	17.86

型号Model	SLD420S-100 油冷负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-60	20.8	23.76	27.11	31.37	37.62
-55	17.3	20.79	24.93	30.27	37.43
-50	13.3	17.24	22.16	28.56	37.08
-45	8.9	13.36	19.04	26.52	36.42
-40	4.5	9.42	15.86	24.38	35.65
-35	0.5	5.69	12.89	22.46	35.1
-30	0	2.5	10.43	21.09	35.08

型号Model	SLD420S-150 油冷负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-60	29.75	33.85	38.7	45.2	53.9
-55	24.62	29.63	35.63	43.2	53.6
-50	18.84	24.56	31.62	40.85	52.85
-45	12.63	19.03	27.31	37.9	51.95
-40	6.34	13.42	22.6	34.8	50.88
-35	0.35	8.11	19.36	32.2	50.21
-30	0	3.51	14.86	30.2	49.98

说明:
1. Tc= 冷凝温度, Te= 蒸发温度;
2. 吸气过热度: 5°C, 液体过冷度: 5°C;
3. Q= 名义工况制冷量, P= 名义工况功耗;
Remark:
1. Tc= Condensing Temp., Te = Evaporating Temp.;
2. Suction superheat: 5°C; liquid subcooling: 5°C;
3. Q = Cooling capacity, P = Power consumption;

型号Model	SLD230-S 经济器负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	Q(kW)	Q(kW)	Q(kW)	Q(kW)
-60	5.8	6.2	6.5	6.9	7.4
-55	6.9	7.5	8.1	8.6	9.3
-50	8.3	8.9	9.7	10.4	11.2
-45	9.5	10.5	11.4	12.5	13.4
-40	10.9	12.2	13.3	14.5	15.8
-35	12.2	13.7	15.2	16.6	16.9
-30	13.4	15.2	16.9	18.7	20.6

型 号Model	SLD420S-100 经济器负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	Q(kW)	Q(kW)	Q(kW)	Q(kW)
-60	11.2	12.1	12.9	13.8	14.5
-55	13.7	14.8	15.9	17.1	18.2
-50	16.2	17.6	19.2	20.6	22.1
-45	18.9	20.7	22.5	24.5	26.4
-40	21.6	23.9	26.2	28.6	30.9
-35	24.2	27.1	29.8	32.8	35.7
-30	26.6	30.1	33.4	36.9	40.7

型号Model	SLD420S-150 经济器负荷				
Tc(℃)	25	30	35	40	45
Te(℃)	Q(kW)	Q(kW)	Q(kW)	Q(kW)	Q(kW)
-60	15.9	17.1	18.2	19.5	20.6
-55	19.4	21	22.5	24.2	25.8
-50	23.1	24.1	27.2	29.2	31.4
-45	26.9	29.5	32	34.8	37.6
-40	30.8	33.9	37.3	40.7	44.2
-35	34.5	38.5	42.5	46.7	50.9
-30	37.9	42.8	47.6	52.8	58.2

制冷量表/Performance Data R404A

型号Model	SLD230S-50									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-65	19.70	22.30	19.25	23.30	18.84	24.25	18.39	25.27	17.91	26.68
-60	26.10	24.21	25.60	25.27	25.09	26.34	24.55	27.62	24.01	29.44
-55	33.90	26.34	33.28	27.50	32.66	28.81	32.04	30.49	31.36	32.77
-50	43.31	28.66	42.54	30.06	41.79	31.72	41.01	33.85	40.20	36.74
-45	54.53	31.27	53.59	32.96	52.66	35.00	51.72	37.70	50.72	41.30
-40	67.81	34.08	66.67	36.17	65.52	38.74	64.34	42.07	63.12	46.43
-35	83.43	37.18	81.97	39.71	80.52	42.88	79.05	46.91	77.56	52.13
-30	101.43	40.51	99.67	43.61	97.87	47.43	96.07	52.26	94.23	58.42

型号Model	SLD420S-100									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-65	36.99	41.86	19.25	23.30	18.84	24.25	18.39	25.27	17.91	26.68
-60	49.01	45.44	25.60	25.27	25.09	26.34	24.55	27.62	24.01	29.44
-55	63.64	49.46	33.28	27.50	32.66	28.81	32.04	30.49	31.36	32.77
-50	81.32	53.88	42.54	30.06	41.79	31.72	41.01	33.85	40.20	36.74
-45	102.39	58.70	53.59	32.96	52.66	35.00	51.72	37.70	50.72	41.30
-40	127.32	63.98	66.67	36.17	65.52	38.74	64.34	42.07	63.12	46.43
-35	156.64	69.82	81.97	39.71	80.52	42.88	79.05	46.91	77.56	52.13
-30	190.52	76.08	99.67	43.61	97.87	47.43	96.07	52.26	94.23	58.42

型号Model	SLD640S-150									
Tc(°C)	25		30		35		40		45	
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)	P(kW)
-65	55.12	59.63	51.50	62.32	50.39	64.85	49.18	67.60	47.91	71.36
-60	73.03	64.73	68.47	67.57	67.13	70.45	65.67	73.86	64.21	78.72
-55	94.84	70.44	89.00	73.57	87.35	77.04	85.69	81.55	83.86	87.63
-50	121.18	76.74	113.76	80.41	111.78	84.82	109.71	90.51	107.52	98.39
-45	152.57	83.61	143.33	88.12	140.86	93.62	138.31	100.83	135.67	110.44
-40	189.74	91.14	178.33	96.74	175.22	103.61	172.06	112.49	168.81	124.17
-35	233.44	99.44	219.21	106.23	215.25	114.67	211.41	125.50	207.41	139.43
-30	283.91	108.36	266.55	116.64	261.74	126.86	256.91	139.77	251.99	156.23

说明:
1. Tc= 冷凝温度, Te= 蒸发温度;
2. 吸气过热度: 5℃, 液体过冷度: 5℃;
3. Q= 名义工况制冷量, P= 名义工况功耗;

Remark:
1.Tc = Condensing Temp., Te = Evaporating Temp.;
2.Suction superheat: 5℃; liquid subcooling: 5℃;
3.Q = Cooling capacity, P = Power consumption;

制冷量表/Performance Data R404A

型号Model	SLD230S-50				
Tc(°C)	25	30	35	40	45
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-65	4.7	5.5	6	7	8.5
-60	1.8	2.5	3.5	4.5	6
-55			0.5	2.5	4
-50					1.5
-45					
-40					
-35					
-30					

型号Model	SLD420S-100				
Tc(°C)	25	30	35	40	45
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-65	8.5	10.5	11.8	13.6	16.5
-60	3	5	6.5	8.5	11.8
-55			1.5	3.5	7.5
-50					3.5
-45					
-40					
-35					
-30					

型号Model	SLD420S-150				
Tc(°C)	25	30	35	40	45
Te(°C)	Q(kW)	P(kW)	Q(kW)	P(kW)	Q(kW)
-65	12	14.5	16.5	18.95	22.6
-60	4.5	6.5	8.8	11.8	16.5
-55			1.5	4.5	10.2
-50					3.9
-45					
-40					
-35					
-30					

说明:
1. Tc= 冷凝温度, Te= 蒸发温度;
2. 吸气过热度: 5℃, 液体过冷度: 5℃;
3. Q= 名义工况制冷量, P= 名义工况功耗;

Remark:
1.Tc = Condensing Temp., Te = Evaporating Temp.;
2.Suction superheat: 5℃; liquid subcooling: 5℃;
3.Q = Cooling capacity, P = Power consumption;