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雪人集团
SNOWMAN GROUP

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官方微信



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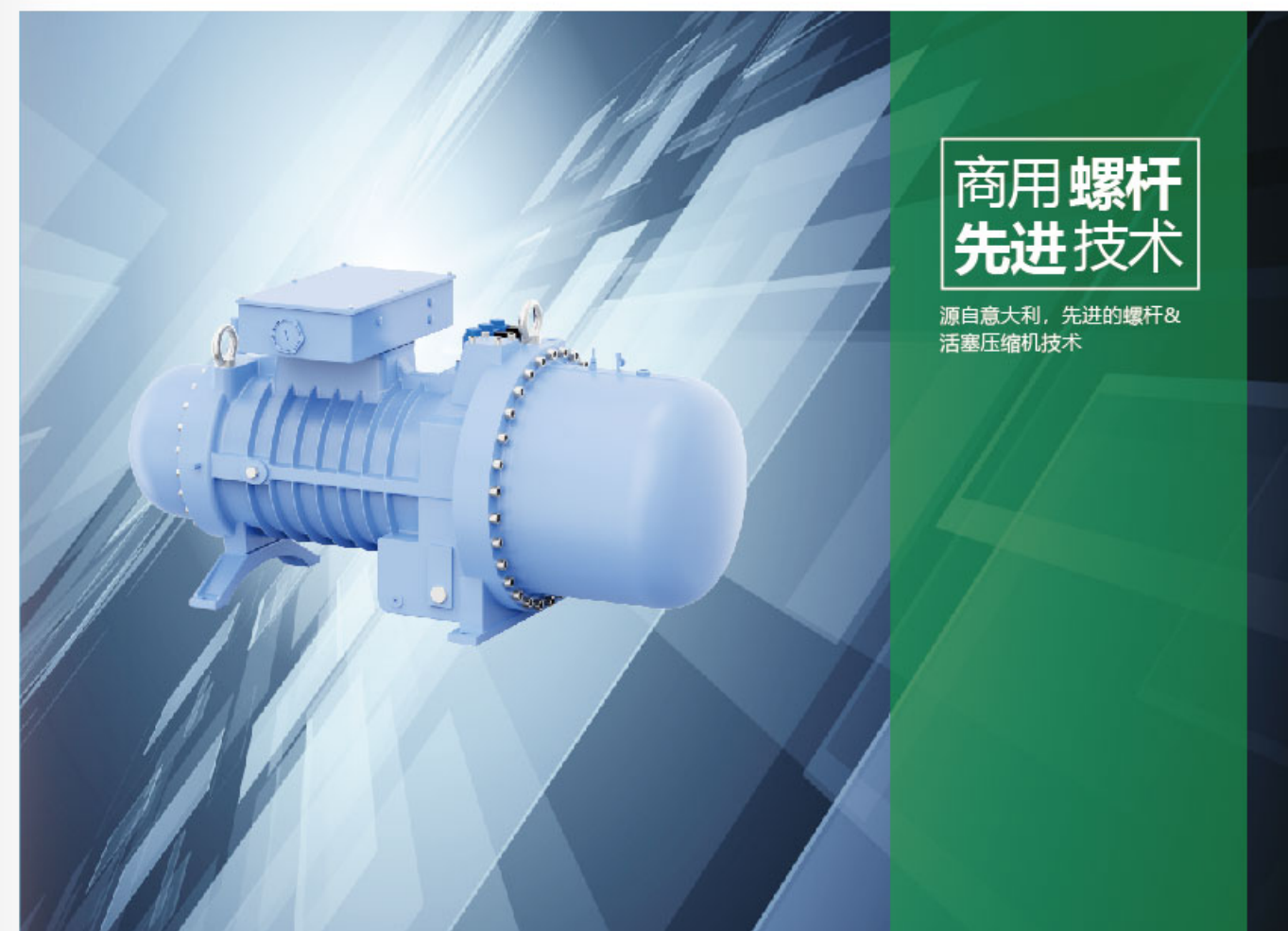
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RefComp

Screw Compressor

SW3 系列半封闭螺杆压缩机



商用螺杆
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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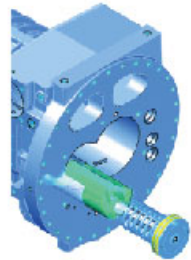
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RefComp SW系列半封闭螺杆压缩机结构图

SW3系列压缩机分为适用于中高温应用的SW3H和低温应用的SW3L两个子系列，共有34款型号。其排量范围为118~1100m³/h (@2960rpm)，功率范围为30~400HP，可兼容R507A、R404A等多种制冷剂。

转子

- RefComp自主设计非对称的螺杆转子型线，优化压缩行程，有效提高制冷效率；
- 转子刚性强、效率高，核心技术保障运行稳定可靠，同时降低气流脉动和噪音；
- 在中低温制冷领域应用广泛，达到同类机型较高水平。



制冷量调节

- 根据运行负载情况制冷量可调，实现有级能量调节或无级调节；
- 有级调节分为启动&卸载制冷量级、50%制冷量级、75%制冷量级和100%制冷量，较大限度的满足系统制冷量需求；
- 滑阀介于壳体与转子之间，设计合理、紧凑，密封性能优越；
- 合理的排气口结构设计，有效提高径向排气效率。

机体

- 设计压力达25bar；
- 优化进气流道设计，进气阻力小，同时能充分冷却电机；中间直通气道，减小沿程损失；排气节流损失小，损耗低；
- 高度集成过滤器、截止阀、温度传感器等部件，整机尺寸紧凑并有效提高设备运行可靠性。

安全阀



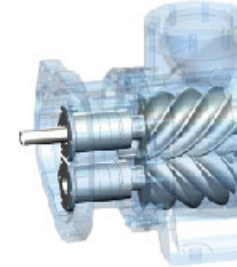
- 机体采用一体化集成式安全阀设计，连接高压与低压侧，实时动态调节内部压力并
- 精准维持在预设安全阈值内；
- 高灵敏度、密封结构设计运行，适时全开、稳定排放和及时回座，整体系统具备卓越的工况适应性与长效运行稳定性。

电机保护

- 搭载INT69SNY电机保护模块和6个串联的PTC热敏电阻；
- 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。



轴承



- 多轴承组合配对，实现高载荷、高耐磨、低噪音，保证产品生命周期。

吸气过滤器



- 内置精密吸气过滤器，有效过滤制冷气体中杂质并保护电机，更换维护便捷。

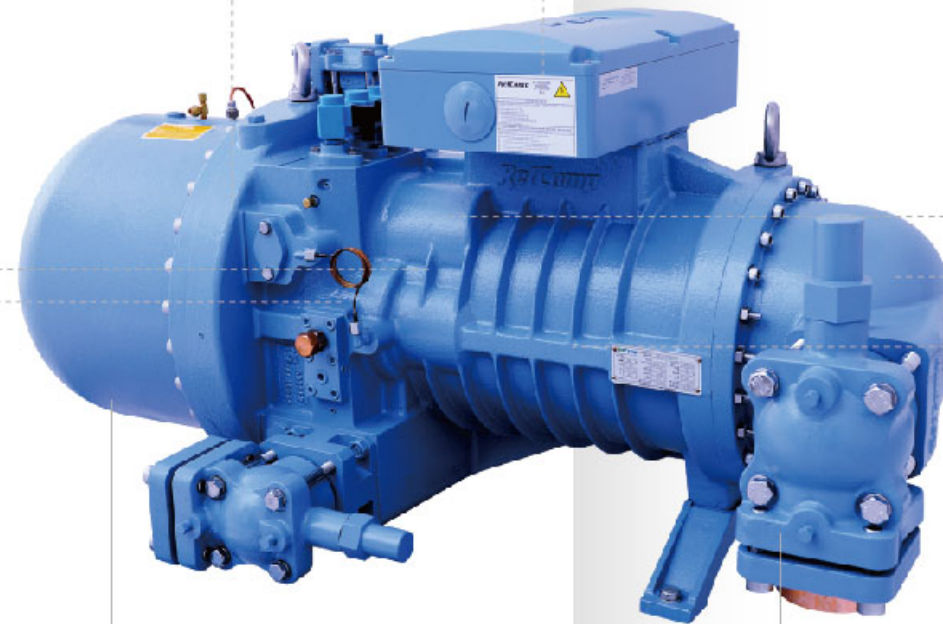
电机

- 采用部分绕组或者Y-Δ方式启动，启动电流小；
- 可搭载变频电机，实现矢量调节；
- 特殊定制材料，能同时兼容R22、R404A、R507A、R410A等多种制冷剂；
- 特殊的结构设计及空间布局，利用吸气工质对驱动电机进行有效冷却，同时保证吸气过热度。



截止阀

- 内置排气止回阀，阻力低、有效防止停机时制冷剂回流；
- 吸/排气截止阀旋转360°，安装简单、紧凑和灵活。



型号说明

压缩机		S	W	3	H	4000	-L	4 Z
压缩机类型		S	半封闭压缩机					
系列		W	W系列螺杆压缩机					
版本		3	不带内置油分离器 “3” 号版本					
电机类型		H	高温压缩机电机					
		L	低温压缩机电机					
电机名义功率		4000	Hp x 100					
电气附件		L	220V AC					
能量调节		4	4级					
		Z	无级					

技术参数表

压缩机型号		SW3H								SW3L							
		4000	5000	6000	7500	9000	10500	11500	12500	3000	4000	5000	6000	7000	8000	9500	10500
电机名义功率	HP/kW	40/30	50/37	60/45	75/55	90/67	105/78	115/89	125/89	30/22	40/30	50/37	60/45	70/52	80/60	95/71	105/78
排气量 50/60[Hz]	m³/h	118/ 142	150/ 180	175/ 210	205/ 246	237/ 284	286/ 343	318/ 382	341/ 409	118/ 142	150/ 180	175/ 210	205/ 246	237/ 284	286/ 343	318/ 382	341/ 409
重量	kg	245	255	265	410	420	535	540	545	245	255	265	410	420	520	525	530
排气管内径尺寸Ø	mm / inch	42/ 1-5/8"	42/ 1-5/8"	42/ 1-5/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	42/ 1-5/8"	42/ 1-5/8"	42/ 1-5/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"
吸气管内径尺寸Ø	mm / inch	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	67/ 2-5/8"	67/ 2-5/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	54/ 2-1/8"	54/ 2-1/8"	54/ 2-1/8"	67/ 2-5/8"	67/ 2-5/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"
油路接头	mm / inch	Ø16mm / 5/8"SAE								Ø16mm / 5/8"SAE							
能量调节		25%, 50%, 75%, 满载四级调节 或 25%~满载无级调节								25%, 50%, 75%, 满载四级调节 或 25%~满载无级调节							
保护模块		INT69 SNY								INT69 SNY							
标准电机 ⁽¹⁾		Y/Δ - 400V/3/50Hz 或 460/3/60Hz								Y/Δ - 400V/3/50Hz 或 460/3/60Hz							
PW部分绕组 启动电流	A	77/ 398	303/ 406	373/ 547	280/ 459	351/ 580	652/ 1015	646/ 953	646/ 953	227/ 331	277/ 398	303/ 406	262/ 422	280/ 459	405/ 670	646/ 953	646/ 953
星/三角启动电流 (Y/Δ) ⁽²⁾	A	131/ 398	134/ 406	182/ 547	139/ 459	193/ 580	338/ 1015	318/ 953	318/ 953	110/ 331	131/ 398	134/ 406	139/ 422	139/ 459	223/ 670	318/ 953	318/ 953
最大运行电流 ⁽²⁾	A	75	90	105	124	140	168	182	196	65	80	88	103	117	139	154	163

压缩机型号		SW3H						SW3L					
		14000	16000	19000	21000	24000	25000	11500	13000	16000	18000	20000	22000
电机名义功率	HP/kW	150/112	170/127	200/149	220/164	240/179	240/179	115/89	130/98	170/127	180/135	200/149	220/164
排气量 50/60[Hz]	m³/h	402/482	445/534	510/612	562/674	600/720	700/840	380/456	445/534	510/612	562/674	600/720	700/840
重量	kg	665	675	710	1030	1050	980	665	675	710	1030	1050	980
排气管内径尺寸Ø	mm / inch	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"	80/ 3-1/8"
吸气管内径尺寸Ø	mm / inch	92/ 3-5/8"	92/ 3-5/8"	92/ 3-5/8"	104.8/ 4-1/8"	104.8/ 4-1/8"	104.8/ 4-1/8"	92/ 3-5/8"	92/ 3-5/8"	92/ 3-5/8"	104.8/ 4-1/8"	104.8/ 4-1/8"	104.8/ 4-1/8"
油路接头	mm / inch	Ø16mm / 5/8"SAE						Ø16mm / 5/8"SAE					
能量调节		25%, 50%, 75%, 满载四级调节 或 25%~满载无级调节						25%, 50%, 75%, 满载四级调节 或 25%~满载无级调节					
保护模块		INT69 SNY						INT69 SNY					
标准电机 ⁽¹⁾		Y/Δ - 400V/3/50Hz 或 460/3/60Hz						Y/Δ - 400V/3/50Hz 或 460/3/60Hz					
星/三角启动电流 (Y/Δ) ⁽²⁾	A	354/1155	374/1155	453/1333	543/1645	595/1802	595/1802	276/876	354/1155	374/1155	453/1333	543/1645	543/1645
最大运行电流 ⁽²⁾	A	249	270	305	335	360	410	196	210	236	250	270	300

(1) 电压允许波动范围±10%

技术参数表

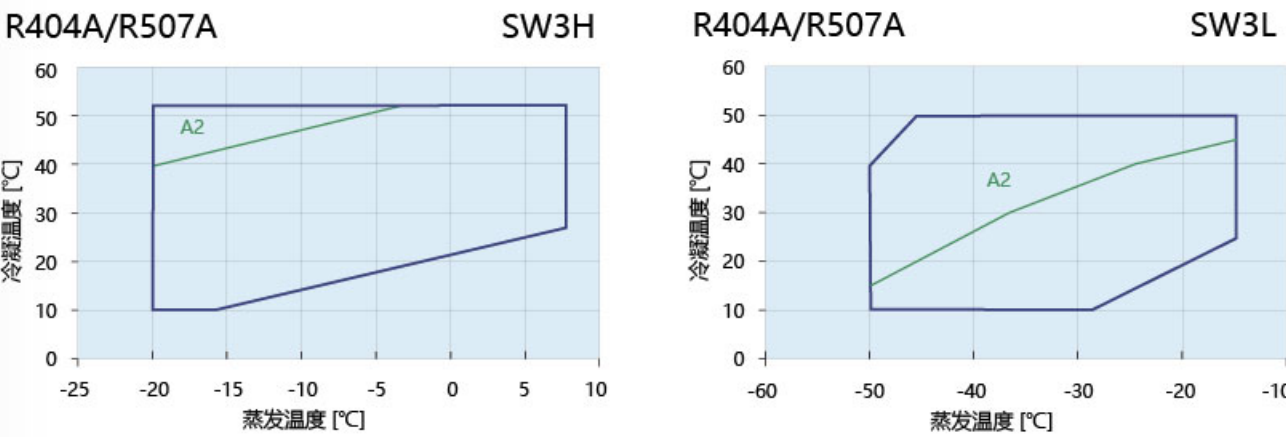
压缩机型号		SW3H			SW3L		
		30000	35000	40000	25000	30000	35000
电机名义功率	HP/kW	300/224	350/257	390/287	240/179	270/201	300/224
排气量 50/60[Hz]	m³/h	910/1092	1000/1200	1100/1320	910/1092	1000/1200	1100/1320
重量	kg	1600	1600	1600	1600	1600	1600
排气管内径尺寸Ø	mm / inch	105.5/4 1/8"	105.5/4 1/8"	105.5/4 1/8"	105.5/4 1/8"	105.5/4 1/8"	105.5/4 1/8"
吸气管内径尺寸Ø	mm / inch	134.8/Ø133	134.8/Ø133	134.8/Ø133	134.8/Ø133	134.8/Ø133	134.8/Ø133
油路接头	mm / inch	Ø16mm / 5/8"SAE					
能量调节		有级：100，75，50，min%；无级：100~min%					
保护模块		INT69 SNY					
标准电机 ⁽¹⁾		Y/△ - 400V/3/50Hz 或 460/3/60Hz					
星/三角启动电流 (Y/△) ⁽²⁾	A	876/2627	1062/3186	1062/3186	783/2348	876/2627	1062/3186
最大运行电流 ⁽²⁾	A	520	590	650	475	540	590

(1) 电压允许波动范围±10%

技术特点

- 创新设计、操作运行稳定、长寿命运行
- 采用喷油双螺杆设计，完美的旋转运动使得其运行极其平稳。高的质量制作标准和优良品质的机械部件确保了压缩机的高压缩效率、高可靠性和长寿命运行。
- 采用外置油分离器
- 设计和结构布置上具有更大的灵活性、拓宽了压缩机应用极限。
- 优越的润滑特性维护简易
- 回油管路(从油分离器至压缩机之间)所需的成套附件均可作为标准供货提供。此外所有配套的油分离器和油冷却器也同样可以提供。
- 振动小、噪音低
- 极小的振动和无排气脉动，因而没有必要使用减震装置和柔性接管。
- 效率高、维护简易
- 采用增大制冷剂液体过冷度的经济器(ECO)循环，可进一步提高循环效率(COP)；
油压驱动滑阀式制冷量控制使压缩机在部分负荷下具有高的压缩效率。
- 完备的软件及资料支持
- 如有其他制冷系统部件的需求，Refcomp可提供选型，包括油分离器、油冷却器和经济器等。

应用范围



50[Hz]供电频率下满负荷运行应用范围；
吸气过热度10[K]；
最高排气温度110[°C]；
A2：应配置油冷却器

供货范围

标准配件项目:

- 双螺杆压缩机本体;
- 外部油循环回路套件(油流量开关、可更换滤芯的油过滤器、带线圈的电磁阀、油视镜、INT69B2保护模块及其电容);
- 油喷接头;
- 能量调节组件(有级: 满载,75%,50%,min% 或 无级: 满载~50%, 满载~min%);
- Y-△星-三角电机: 400V±10%-3-50Hz 或 460V±10%-3-60Hz;
- 防护级别为IP54的接线盒;
- 电气附件, 230V-1-50/60Hz标准电压;
- 内埋有6个PTC 温度传感器的电机;
- PTC排气温度传感器;
- 电子保护模块INT69SNY(监控电动机和排气温度、电动机旋转方向、相位故障);
- 充氮保护;
- 安全释放阀组件;
- 单向阀(止回阀)组件;
- 吸气过滤器
- 吸气截止阀;
- 排气截止阀;
- 橡胶减震垫。
- 润滑油;
- 有级转无级能量调节转换装置;
- 特殊电机;
- 直接启动的过桥(D.O.L)(组件);
- 特殊电压的电气附件;
- 喷液组件;
- 带截止阀的经济器(ECO)接头组件。

性能参数 - SW3H, 制冷剂R404A

SW3H4000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	63.9	16.7	57.3	22.5	52.6	24.9	47	26.8	40.5	28.5	33.2	29.8	
-15	79.2	17.3	70.3	23	64.5	25.5	57.9	27.7	50.6	29.7	42.5	31.5	
-10	96.9	17.2	85.6	23	78.8	25.7	71.2	28.2	63	30.6	54.2	33	
-5	117	16.4	103.2	22.4	95.3	25.4	86.8	28.3	77.7	31.2	68.1	34.2	
0	-	-	123.1	21.4	114.2	24.7	104.7	28	94.7	31.5	84.3	35.1	
5	-	-	145.4	19.8	135.3	23.5	124.8	27.4	113.9	31.5	102.7	35.8	

SW3H6000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	94.8	24.8	85	33.4	78	36.9	69.7	39.8	60.1	42.2	49.2	44.2	
-15	117.5	25.6	104	34.1	95.7	37.8	85.9	41.1	75.1	44.1	63.1	46.7	
-10	143.7	25.5	126.9	34.1	116.8	38.1	105.6	41.8	93.5	45.4	80.4	48.9	
-5	173.5	24.4	153	33.3	141.4	37.7	128.7	42	115.3	46.3	101	50.7	
0	-	-	182.6	31.7	169.3	36.6	155.2	41.6	140.4	46.7	125	52.1	
5	-	-	215.6	29.3	200.7	34.8	185.1	40.6	168.9	46.7	152.2	53.1	

SW3H9000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	128.3	33.6	115.1	45.3	105.6	49.9	94.4	53.9	81.3	57.2	66.6	59.9	
-15	159.1	34.7	141.1	46.2	129.6	51.2	116.4	55.7	101.7	59.7	85.4	63.3	
-10	194.6	34.5	171.9	46.2	158.2	51.5	143.1	56.7	126.6	61.5	108.8	66.2	
-5	234.9	33	207.3	45.1	191.4	51	174.4	56.9	156.1	62.8	136.8	68.7	
0	-	-	247.3	42.9	229.3	49.5	210.2	56.3	190.2	63.3	169.2	70.6	
5	-	-	292	39.7	271.7	47.1	250.7	54.9	228.8	63.2	206.2	71.9	

SW3H11500(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	172.2	45.1	154.5	60.7	141.8	67	126.7	72.3	109.2	76.8	89.5	80.4	
-15	213.5	46.5	189.4	62	173.9	68.7	156.2	74.7	136.4	80.1	114.7	84.9	
-10	261.2	46.3	230.6	61.9	212.3	69.2	192	76	169.9	82.6	146.1	88.9	
-5	315.2	44.3	278.1	60.5	256.9	68.4	234	76.3	209.5	84.2	183.5	92.1	
0	-	-	331.8	57.6	307.7	66.5	282.1	75.6	255.2	85	227.1	94.7	
5	-	-	391.8	53.3	364.6	63.2	336.4	73.7	307	84.8	276.7	96.5	

SW3H14000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	193.7	61.4	174.6	74.4	163.5	80.1	150	85.1	133.1	88.9	111.7	91.4	
-15	242.1	67.5	216.6	79.7	202.7	85.5	186.6	90.7	167.4	95.1	144.1	98.3	
-10	299.7	71.4	267.7	84	251	90.3	232.3	96.3	210.8	101.6	185.3	106.1	
-5	367.2	73.2	328.6	87	308.9	94.4	287.7	101.6	263.7	108.4	236.1	114.6	
0	-	-	399.8	88.7	377.2	97.5	353.2	106.4	326.9	115.2	297.1	123.6	
5	-	-	482	88.7	456.4	99.5	429.7	110.7	400.8	121.9	368.8	133	

SW3H5000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	81.2	21.3	72.9	28.6	66.9	31.6	59.7	34.1	51.5	36.2	42.2	37.9	
-15	100.7	22	89.3	29.3	82	32.4	73.7	35.2	64.3	37.8	54.1	40.1	
-10	123.2	21.8	108.8	29.2	100.1	32.6	90.5	35.9	80.1	38.9	68.9	41.9	
-5	148.7	20.9	131.2	28.5	121.2	32.3	110.4	36	98.8	39.7	86.6	43.5	
0	-	-	156.5	27.2	145.1	31.3	133.1	35.6	120.4	40.1	107.1	44.7	
5	-	-	184.8	25.1	172	29.8	158.6	34.8	144.8	40	130.5	45.5	

SW3H7500(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	111	29.1	99.6	39.1	91.4	43.2	81.6	46.6	70.3	49.5	57.6	51.8	
-15	137.6	30	122.1	40	112.1	44.3	100.7	48.1	87.9	51.6	73.9	54.8	
-10	168.3	29.8	148.6	39.9	136.8	44.6	123.7	49	109.5	53.2	94.1	57.3	
-5	203.2	28.5	179.3	39	165.6	44.1	150.8	49.2	135	54.3	118	59.4	
0	-	-	213.9	37.1	198.3	42.8	181.8	48.7	164.5	54.8	146.4	61.1	
5	-	-	252.5	34.4	235	40.8	216.8	47.5	197.9	54.7	178.3	62.2	

SW3H10500(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	154.9	40.6	138.9	54.6	127.5	60.3	113.9	65.1	98.2	69.1	80.4	72.3	
-15	192	41.9	170.3	55.8	156.4	61.8	140.5	67.2	122.7	72	103.1	76.4	
-10	234.9	41.6	207.4	55.7	190.9	62.2	172.6	68.4	152.8	74.3	131.3	79.9	
-5	283.5	39.8	250.1	54.4	231	61.5	210.4	68.6	188.4	75.7	165.1	82.9	
0	-	-	298.4	51.8	276.7	59.8	253.7	67.9	229.5	76.4	204.2	85.2	
5	-	-	352.3	47.9	327.9	56.9	302.5	66.3	276.1	76.3	248.8	86.8	

SW3H12500(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	184.6	48.3	165.6	65.1	152	71.9	135.8	77.6	117	82.3	95.9	86.2	
-15	228.9	49.9	203.1	66.5	186.4	73.6	167.5	80.1	146.3	85.9	122.9	91.1	
-10	280.1	49.6	247.3	66.4	227.6	74.2	205.9	81.5	182.1	88.6	156.6	95.3	
-5	338	47.5	298.2	64.9	275.4	73.4	251	81.8	224.6	90.3	196.8	98.8	
0	-	-	355.8	61.8	329.9	71.3	302.5	81	273.7	91.1	243.5	102	
5	-	-	420.1	57.1	391	67.8	360.7	79	329.2	90.9	296.7	104	

SW3H16000(R404A)													
Tc	20		30		35		40		45		50		
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	
-20	204.4	70.7	193.2	82.3	181.6	88.5	166	94.2	146.7	98.6	123.6	101.1	
-15	257.9	77.4	239.7	88.2	225	94.5	206.6	100.4	184.7	105.4	159.5	108.8	
-10	321.7	81.8	296.3	93	278.4	99.8	257.2	106.6	232.7	112.7	205.2	117.4	
-5	396.4	83.7	363.7	96.3	342.6	104.3	318.4	112.4	291.3	120.2	261.4	126.8	
0	-	-	442.6	98.1	418.2	107.7	391	117.8	361.2	127.7	328.9	136.8	
5	-	-	533.6	98.2	505.8	110	475.6	122.5	443	135.2	408.2	147.3	

性能参数 - SW3H, 制冷剂R404A

SW3H19000(R404A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-20	244.3	75.4	221.5	94.3	207.5	101.8	190.3	107.9	168.7	112.7	141.7	115.9	
-15	305.7	83.1	274.8	101.1	257.2	108.7	236.8	115.1	212.3	120.5	182.8	124.7	
-10	378.8	88.1	339.6	106.6	318.5	114.7	294.8	122.1	267.3	128.8	235.1	134.6	
-5	464.4	90.4	416.9	110.4	392	119.9	364.9	128.9	334.5	137.4	299.6	145.3	
0	-	-	507.2	112.5	478.6	123.8	448.1	135	414.6	146	376.9	156.8	
5	-	-	611.5	112.6	579.1	126.4	545.1	140.4	508.4	154.6	467.9	168.8	

SW3H24000(R404A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-20	263.1	91.7	260.5	111	245.6	119.6	223.8	127	197	132.7	166.7	136.4	
-15	335.3	100.7	323.2	119	304.1	127.6	278.6	135.4	248.3	141.9	215	146.7	
-10	421.3	106.6	399.6	125.4	376.2	134.8	346.8	143.7	313	151.7	276.6	158.3	
-5	522.1	109.3	490.4	129.9	462.7	140.8	429.3	151.6	392	161.8	352.5	171	
0	-	-	596.8	132.3	564.6	145.5	527.2	158.8	486.2	172	443.4	184.5	
5	-	-	719.5	132.4	682.8	148.5	641.3	165.2	596.6	182	550.4	198.6	

SW3H30000(R404A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-20	-	-	445.6	158.3	409.8	176.6	370.9	195.4	329.6	213.3	-	-	
-15	-	-	545.9	163	503.5	183.4	461.6	204.6	421	225.1	382.3	243.5	
-10	-	-	661.6	167.7	609.8	188.7	562.1	210.7	519.4	232.2	482.4	251.8	
-5	-	-	798.5	173.6	734.4	193.6	678.3	214.8	630.8	235.8	592.6	255.1	
0	-	-	962.3	181.9	883.3	199.4	816	218.2	761	237.1	718.9	254.5	
5	-	-	-	-	-	-	-	-	-	-	-	-	

SW3H24000(R404A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-20	-	-	538.6	191.3	495.4	213.4	448.4	236.1	398.5	257.8	-	-	
-15	-	-	660	197	608.6	221.7	558	247.3	508.9	272.1	462.2	294.3	
-10	-	-	799.9	202.7	737.1	228.1	679.6	254.6	627.9	280.7	583.1	304.4	
-5	-	-	965.3	209.8	887.9	234	820	259.7	762.6	285	716.5	308.4	
0	-	-	1163.3	219.8	1067.9	241	986.5	263.8	920	286.6	869.1	307.6	
5	-	-	-	-	-	-	-	-	-	-	-	-	

图例

Pf = 冷量(kW)

Pa = 输入电功率(kW)

Te = 蒸发温度(°C)

Tc = 冷凝温度(°C)

50Hz 频率

液体过冷度5K

吸气过热度10K

此工况范围内不需要油冷却

此工况范围内需要油冷却(具体参看“应用范围”章节)

性能参数 - SW3L(可带经济器), 制冷剂R507A

SW3L3000(R507A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	12.8	14	10.7	16.8	9.6	18.5	-	-	-	-	-	-	
-40	23.1	15.3	20	18.2	18.3	20	16.5	22	14.7	24.1	12.6	26.5	
-35	29.9	16.1	26.1	19.1	24	20.9	21.9	22.9	19.5	25.1	17.1	27.5	
-30	38.2	17.2	33.4	20.1	30.9	21.9	28.3	23.9	25.5	26.2	22.5	28.7	
-25	47.9	18.4	42.2	21.3	39.1	23.1	35.9	25.1	32.6	27.4	29	29.9	
-20	59.5	19.9	52.6	22.7	48.9	24.6	45.1	26.6	41.1	28.9	36.9	31.4	
-15	-	-	64.8	24.5	60.4	26.2	55.9	28.3	51.2	30.6	46.2	33.1	

SW3L4000(R507A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	16.3	17.3	13.7	20.9	12.4	23.1	-	-	-	-	-	-	
-40	30.2	19.2	26.1	22.8	24.1	25	21.8	27.5	19.4	30.4	16.8	33.6	
-35	39.4	20.4	34.4	23.9	31.7	26.1	29	28.6	26	31.5	22.7	34.8	
-30	50.4	21.7	44.2	25.2	41	27.4	37.6	29.9	33.9	32.8	29.9	36.2	
-25	63.4	23.3	56	26.7	52.1	28.8	47.9	31.4	43.5	34.3	38.7	37.7	
-20	78.8	25.2	69.9	28.4	65.2	30.6	60.2	33.1	55	36.1	49.3	39.4	
-15	-	-	86.2	30.5	80.7	32.6	74.9	35.1	68.6	38	62	41.4	

SW3L5000(R507A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	19	19.7	15.9	23.8	14.4	26.2	-	-	-	-	-	-	
-40	35.3	21.9	30.5	25.9	28.1	28.4	25.5	31.3	22.7	34.5	19.6	38.2	
-35	46	23.2	40.1	27.2	37	29.7	33.8	32.6	30.3	35.9	26.5	39.6	
-30	58.8	24.7	51.6	28.6	47.8	31.1	43.8	34	39.5	37.4	34.9	41.1	
-25	74	26.5	65.3	30.3	60.7	32.8	55.9	35.7	50.7	39	45.1	42.9	
-20	91.9	28.6	81.6	32.3	76.1	34.8	70.3	37.6	64.1	41	57.5	44.8	
-15	-	-	100.6	34.7	94.1	37.1	87.3	39.9	80.1	43.3	72.4	47.1	

SW3L6000(R507A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	22.9	22.8	19.5	27.1	17.8	29.8	-	-	-	-	-	-	
-40	41.4	26.2	36.1	30.3	33.3	32.8	30.3	35.8	27.1	39.2	23.5	43.2	
-35	53.7	28.1	47.1	32.2	43.5	34.8	39.8	37.7	35.7	41.1	31.3	45.1	
-30	68.6	30.1	60.3	34.4	55.9	37	51.3	40	46.3	43.4	40.9	47.3	
-25	86.3	32.3	76.1	36.8	70.8	39.5	65.1	42.5	59	46	52.5	50	
-20	107.2	34.6	94.9	39.5	88.4	42.3	81.6	45.4	74.3	49	66.6	53	
-15	-	-	117	42.3	109.2	45.3	101.1	48.5	92.5	52.2	83.4	56.4	

SW3L7000(R507A)													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	26.5	26.5	22.5	31.5	20.6	34.6	-	-	-	-	-	-	
-40	47.9	30.4	41.7	35.2	38.5	38.1	35	41.6	31.3	45.6	27.1	50.2	
-35	62.1	32.6	54.4	37.5	50.3	40.4	46	43.8	41.3	47.8	36.2	52.4	
-30	79.3	35	69.7	40	64.7	43	59.3	46.4	53.5	50.4	47.3	55	
-25	99.8	37.5	88	42.8	81.8	45.9	75.3	49.4	68.3	53.4	60.7	58.1	
-20	123.9	40.2	109.7	45.9	102.2	49.1	94.3	52.7	86	56.9	77	61.6	
-15	-	-	135.3	49.1	126.3	52.6	116.9	56.4	107	60.7	96.5	65.5	

SW3L3000(R507A)/带经济器													
Tc	20	30	35	40	45	50							
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf
-50	18.5	18.1	17.1	22.9	16.2	25.8	-	-	-	-	-	-	
-40	30.8	18.7	29.1	23.3	28.1	26.2	26.8	29.3	25.2	32.9	23.3	37	
-35	38.4	19.2	36.5	23.8	35.3	26.6	33.8	29.8	32	33.3	29.8	37.2	
-30	47.1	19.9	44.9	24.4	43.5	27.2	41.8	30.3	39.8	33.9	37.4	37.9	
-25	57	20.8	54.5	25.2	53	28	51	31.1	48.8	34.7	46	38.6	
-20	68.2	21.9	65.4	26.2	63.6	29	61.4	32.1	58.9	35.6	55.8	39.5	
-15	-	-	77.5	27.6	75.5	30.2	73.2	33.4	70.3	36.9	67	40.7	

SW3L4000(R507A)/带经济器			
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性能参数 - SW3L(可带经济器), 制冷剂R507A

SW3L8000(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	32	31.9	27.2	37.8	24.8	41.5	-	-	-	-	-	-
-40	57.8	36.5	50.3	42.3	46.4	45.8	42.3	49.9	37.7	54.7	32.7	60.3
-35	75	39.1	65.7	45	60.7	48.5	55.5	52.6	49.9	57.4	43.7	62.9
-30	95.7	42	84.1	48	78	51.6	71.5	55.8	64.6	60.5	57	66
-25	120.4	45.1	106.2	51.4	98.7	55.1	90.8	59.3	82.4	64.2	73.3	69.7
-20	149.6	48.3	132.4	55.1	123.4	58.9	113.8	63.3	103.7	68.3	92.9	73.9
-15	-	-	163.2	59	152.4	63.1	141.1	67.7	129.1	72.9	116.4	78.7

SW3L9500(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	35.6	35.3	30.3	41.9	27.6	46.1	-	-	-	-	-	-
-40	64.2	40.5	56	46.9	51.6	50.8	47	55.4	42	60.7	36.4	66.9
-35	83.4	43.4	73	49.9	67.5	53.8	61.7	58.4	55.4	63.6	48.6	69.8
-30	106.4	46.6	93.5	53.3	86.7	57.3	79.5	61.5	71.8	67.1	63.4	73.2
-25	133.9	50	118.1	57	109.8	61.1	101	65.8	91.6	71.2	81.5	77.3
-20	166.3	53.6	147.3	61.1	137.2	65.4	126.6	70.2	115.3	75.7	103.3	82
-15	-	-	181.5	65.4	169.5	70	156.9	75.1	143.6	80.8	129.4	87.3

SW3L10500(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	37.8	37.8	32.1	44.9	29.3	49.3	-	-	-	-	-	-
-40	68.2	43.3	59.5	50.2	54.9	54.4	49.9	59.3	44.6	65	38.7	71.6
-35	88.6	46.5	77.6	53.4	71.8	57.6	65.6	62.5	58.9	68.1	51.6	74.7
-30	113.1	49.9	99.4	57	92.2	61.3	84.6	66.2	76.3	71.9	67.4	78.4
-25	142.2	53.5	125.5	61	116.7	65.4	107.3	70.5	97.3	76.2	86.6	82.8
-20	176.7	57.4	156.5	65.4	145.8	70	134.5	75.2	122.6	81.1	109.8	87.8
-15	-	-	192.9	70.1	180.1	75	166.7	80.4	152.6	86.5	137.5	93.4

SW3L11500(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	46.4	43.8	38.4	52.4	34.1	57	-	-	-	-	-	-
-40	81.4	48.6	69.8	57.9	63.6	63	57	68.5	50	74.7	42.5	81.5
-35	104.8	51.3	90.6	60.7	83	66	75	71.8	66.6	78.1	57.7	85.2
-30	132.8	54.5	115.5	63.9	106.3	69.3	96.7	75.2	86.6	81.8	76	89.2
-25	166.3	58.2	145.3	67.6	134.3	73	122.7	79.1	110.7	85.8	98.1	93.4
-20	205.7	62.7	180.6	72	167.4	77.4	153.7	83.5	139.4	90.4	124.6	98.1
-15	-	-	221.9	77.2	206.3	82.6	190.2	88.7	173.5	95.6	156.2	103.5

SW3L13000(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	51.9	48.5	43	58	38.1	63.1	-	-	-	-	-	-
-40	91	53.8	78.1	64	71.1	69.7	63.7	75.9	55.9	82.6	47.5	90.2
-35	117.2	56.8	101.3	67.2	92.8	73	83.9	79.4	74.5	86.5	64.5	94.4
-30	148.6	60.3	129.2	70.7	118.9	76.7	108.2	83.3	96.9	90.6	85	98.7
-25	186	64.4	162.5	74.8	150.2	80.8	137.3	87.5	123.8	95	109.7	103.4
-20	230	69.4	202	79.7	187.2	85.7	171.9	92.4	155.9	100	139.4	108.6
-15	-	-	248.2	85.4	230.7	91.4	212.7	98.2	194	105.9	174.7	114.5

SW3L8000(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	44.1	38.6	40.9	47.3	39.1	52.6	-	-	-	-	-	-
-40	73.8	42.2	69.5	50.3	66.9	55.2	63.7	60.8	59.8	67.2	55	74.9
-35	92.4	44.3	87.3	52.5	84.1	57.3	80.2	62.9	75.6	69.3	70	76.7
-30	113.7	46.5	107.7	54.9	103.9	59.9	99.4	65.5	93.9	71.9	87.3	79.3
-25	138.2	48.8	131.2	57.7	126.7	62.8	121.4	68.5	115.2	75.1	107.5	82.3
-20	165.7	51.2	157.6	60.6	152.6	65.9	146.5	71.9	139.3	78.5	130.8	86
-15	-	-	187.3	63.6	181.7	69.3	174.9	75.5	166.9	82.4	157.4	90.1

SW3L9500(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	48.5	42.2	44.9	51.6	42.9	57.5	-	-	-	-	-	-
-40	81	46.1	76.3	55	73.4	60.3	69.8	66.4	65.5	73.5	60.3	81.9
-35	101.3	48.4	95.7	57.4	92.2	62.7	88	68.8	82.9	75.8	76.6	83.9
-30	124.7	50.8	118.1	60.1	113.9	65.5	108.9	71.8	102.9	78.7	95.6	86.7
-25	151.3	53.4	143.6	63.1	138.7	68.6	132.9	74.9	126	82	117.6	90
-20	181.4	56.1	172.6	66.2	167	72.1	160.3	78.5	152.5	85.9	143.1	94.1
-15	-	-	204.9	69.6	198.6	75.8	191.1	82.5	182.4	90.1	171.9	98.4

SW3L10500(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	51.1	44.7	47.4	54.9	45.3	61	-	-	-	-	-	-
-40	85.3	48.9	80.4	58.4	77.4	64.1	73.7	70.6	69.2	78.2	63.7	87.2
-35	106.6	51.3	100.8	60.9	97.1	66.6	92.7	73	87.3	80.5	80.8	89.1
-30	131.1	53.9	124.2	63.7	119.9	69.5	114.6	76	108.4	83.5	100.8	92.1
-25	159	56.6	150.9	66.8	145.9	72.8	139.8	79.4	132.5	87	123.9	95.6
-20	190.3	59.5	181.1	70.2	175.3	76.4	168.5	83.3	160.2	91	150.4	99.8
-15	-	-	214.8	73.8	208.3	80.2	200.5	87.4	191.4	95.4	180.6	104.5

SW3L11500(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	66.8	56.5	61.7	72.2	58.3	81.4	-	-	-	-	-	-
-40	107.9	58.9	102.2	74.3	98.4	83.4	93.7	93.6	88	105.6	81.1	119.8
-35	133.3	60.4	126.8	75.7	122.6	84.8	117.5	95	111.3	106.8	103.7	120.3
-30	162.2	62.1	154.9	77.2	150.2	86.3	144.4	96.4	137.7	108.3	129.5	121.8
-25	195	64.5	186.6	79.3	181.3	88.2	175	98.4	167.4	110	158.6	123.6
-20	231.6	67.5	222.1	81.9	216.1	90.7	209.2	100.8	201	112.3	191.4	125.7
-15	-	-	261.4	85.4	254.9	94.1	247.2	103.9	238.4	115.3	228.1	128.7

SW3L13000(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	74.1	61.7	68.2	78.4	64.4	88.3	-	-	-	-	-	-
-40	119.7	64.5	113.1	81.1	108.7	90.7	103.5	101.7	97	114.1	89.2	129
-35	147.9	66.1	140.5	82.7	135.5	92.2	129.7	103.2	122.7	115.7	114.1	129.9
-30	180.2	68.2	171.6	84.5	166.1	94.1	159.6	105.1	151.8	117.4	142.4	131.5
-25	216.5	70.8	206.8	86.9	200.6	96.4	193.4	107.3	184.7	119.5	174.6	133.7
-20	257.3	74.2	246.2	89.8	239.3	99.3	231.3	110	221.9	122.4	210.9	136.7
-15	-	-	289.9	93.6	282.3	102.9	273.6	113.7	263.4	126	251.5	140

性能参数 - SW3L(可带经济器), 制冷剂R507A

SW3L16000(R507A)												
Tc	20		30		35		40		45		50	
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	60	55.5	49.8	66.4	44.2	72.3	-	-	-	-	-	-
-40	105.4	61.7	90.4	73.4	82.3	79.9	73.8	86.9	64.7	94.7	55	103
-35	135.6	65.1	117.3	77	107.5	83.7	97.1	91	86.2	99.1	74.6	108
-30	172	69.1	149.6	81.1	137.7	87.9	125.2	95.4	112.2	103.8	98.4	113
-25	215.3	73.8	188.2	85.8	173.8	92.6	158.9	100.3	143.3	108.9	127	118
-20	266.3	79.5	233.8	91.3	216.7	98.2	199	105.9	180.6	114.7	161.3	124
-15	-	-	287.3	97.9	267.2	104.8	246.3	112.5	224.6	121.3	202.2	131

性能参数 - SW3L(可带经济器), 制冷剂R507A

SW3L30000(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	-	-	-	-	-	-	-	-	-	-	-	-
-40	211.96	116.1	179	140.9	165.5	156.6	151.3	173.3	134.2	189.9	112.3	205.6
-35	276.6	117.5	239	140.5	222.3	154.9	204.3	170	182.7	184.9	155.7	198.5
-30	351.6	121.5	307.3	143.2	286.3	156.6	263.3	170.5	236.3	183.8	203.1	195.8
-25	440.8	127.7	387.6	148.8	361.3	161.5	332.3	174.4	298.7	186.6	258.3	197.2
-20	548.1	136.1	483.9	157.1	451.1	169.5	415.1	181.8	373.9	193.1	325.2	202.5
-15	677.4	146.4	600.1	168.1	559.8	180.4	515.7	192.4	465.7	203.1	407.8	211.7

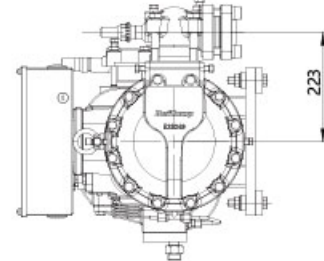
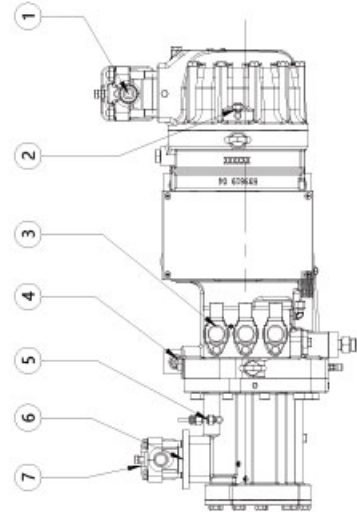
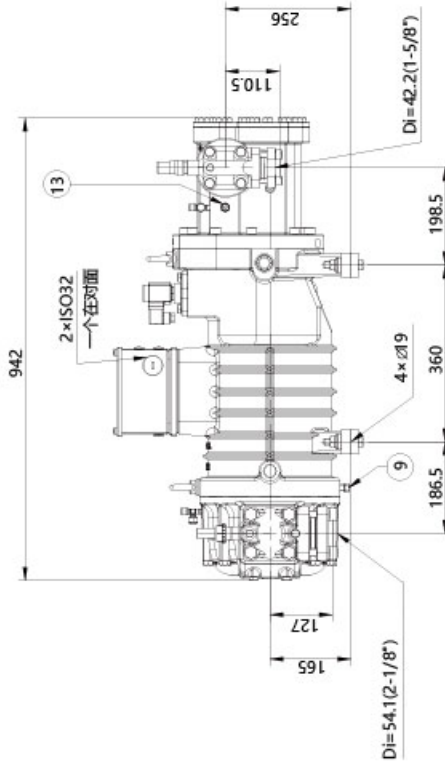
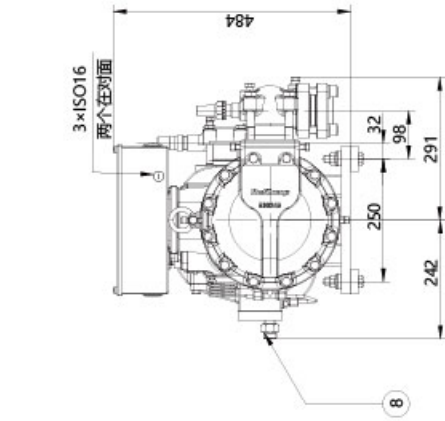
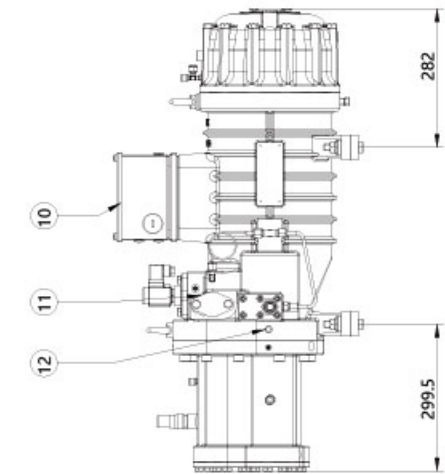
SW3L35000(R507A)												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	-	-	-	-	-	-	-	-	-	-	-	-
-40	235	122.1	198.2	145	183.1	159.6	167.1	175.7	147.8	192.9	123	210.8
-35	306.9	132.4	265	156.9	246.3	171.8	226	187.9	201.9	205	171.5	222.4
-30	390.2	141.2	340.8	167	317.4	182.2	291.7	198.3	261.4	215	224.3	231.9
-25	489.3	149.5	430	176.3	400.7	191.6	368.4	207.6	330.8	223.9	285.7	240.1
-20	608.5	157.8	537	185.6	500.5	200.9	460.4	216.7	414.4	232.5	306.2	247.9
-15	752	167.3	666	195.6	621.2	210.9	572.2	226.3	516.5	241.5	452	256

SW3L30000(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	-	-	-	-	-	-	-	-	-	-	-	-
-40	242.2	121.8	211.9	148.2	199.4	164.7	185.1	181.7	168	199.1	144.9	215.7
-35	310	122.7	276.9	147.1	261.5	162.1	243.9	177.6	222.5	193	194.5	207.3
-30	386.7	126.2	349.4	149.4	330.3	163.4	308.6	177.7	282.2	191.6	248.2	204.1
-25	475.9	131.9	432.9	154.6	409.6	168.1	383	181.6	350.4	194.3	310.1	205.4
-20	580.3	139.6	530	162.9	502.4	175.7	470.1	188.8	431.1	200.8	383.3	210.8
-15	703.4	149.1	644.9	172.9	612.5	186.3	573.3	199.1	526.9	210.5	471.3	219.9

SW3L35000(R507A)/ 带经济器												
Tc	20	30	35	40	45	50						
Te	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
-50	-	-	-	-	-	-	-	-	-	-	-	-
-40	266.8	127.7	233.7	152.2	219.8	167.5	204.1	184.1	184.6	202	159.2	221.3
-35	341.1	137.6	305.2	163.8	288.3	179.4	269.3	196.2	245.2	213.8	214.2	232.3
-30	425.1	145.9	384.6	173.6	364	189.5	340.6	206.4	311	223.8	273.4	241.6
-25	522	153.3	475.8	182.4	450.7	198.6	421.8	215.5	386	232.6	341.5	249.8
-20	636.4	160.8	582	190.9	552.5	207.4	516.9	224.1	474	240.8	421.9	257.4
-15	769.4	168.9	707.5	200.1	672.1	216.6	630.1	233.2	579.7	249.4	518.5	265

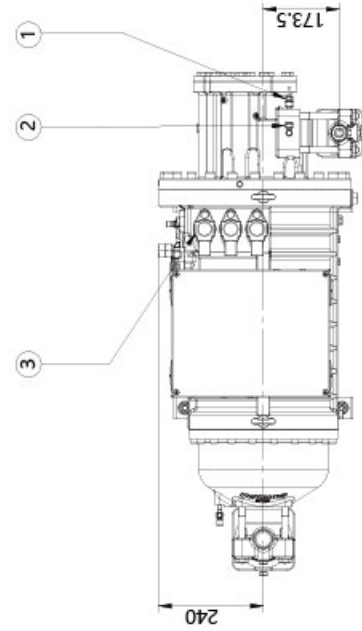
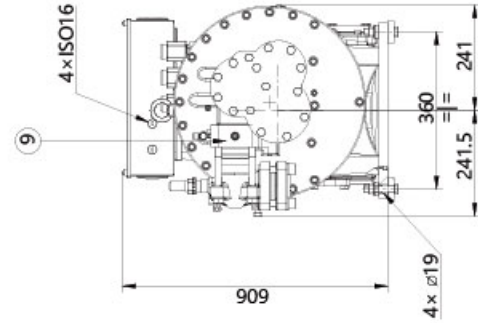
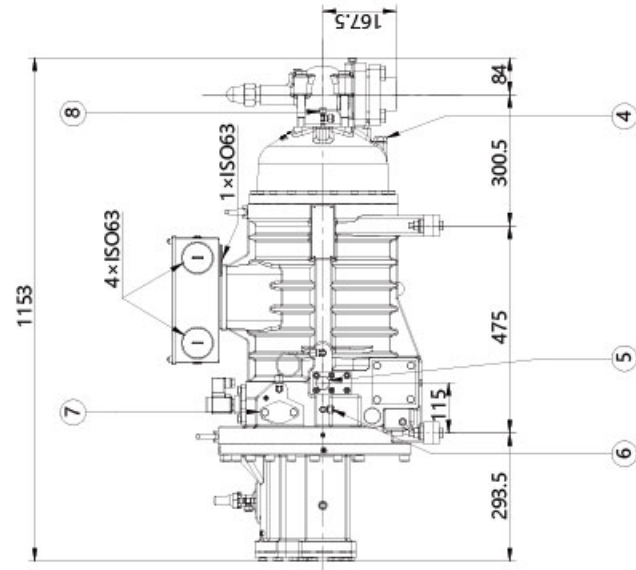
图例
Pf = 冷量(kW)
Pa = 输入电功率(kW)
Te = 蒸发温度(°C)
Tc = 冷凝温度(°C)
50Hz 频率
液体过冷度5K
吸气过热度10K
液体接近温差10K
此工况范围内不需要油冷却
此工况范围内需要油冷却(具体参看“应用范围”章节)

SW3H 4000_5000_6000
SW3L 3000_4000_5000



图例	1	2	3	4	5	6	7	8	9	10	11	12	13
	吸气截止阀	低压接头1/4"SAE-FLARE	能量调节阀电磁阀	喷液接口Ø10/经济器接口Ø22 (选配)	高压接头1/4"SAE-FLARE	止回阀	排气截止阀	油路接口5/8"SAE-FLARE	低压侧放油口	接线盒	电磁阀接口 (无级能量控制)	油压接头1/4"SAE-FLARE	排温传感器1/8"NPT

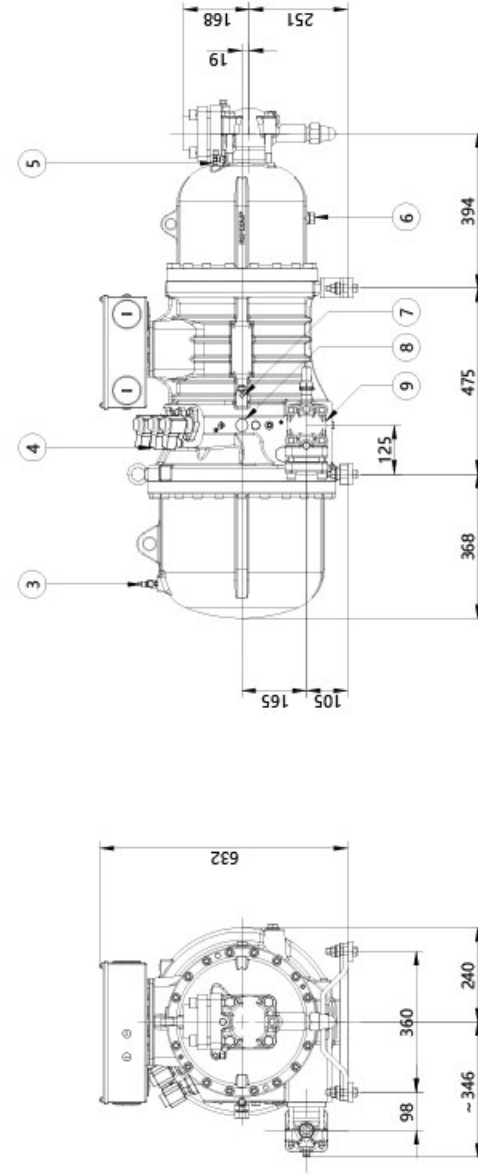
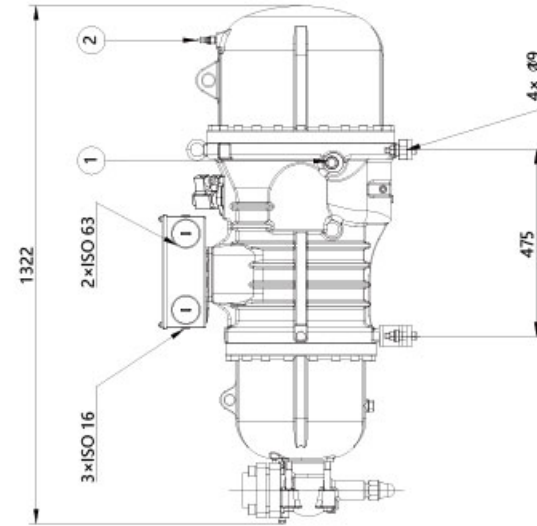
SW3H 7500_9000
SW3L 6000_7000



图例

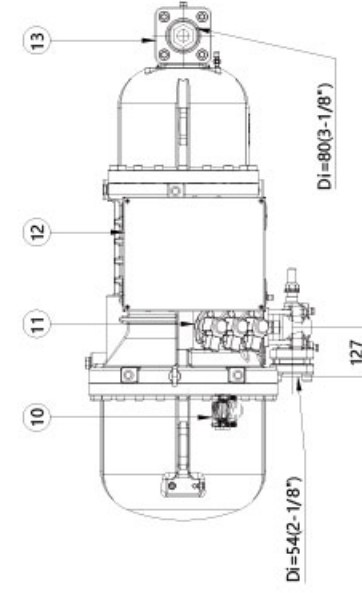
1	排气温度传感器1/8" NPT
2	高压接头 1/4" SAE-FLARE
3	制冷剂调节电磁阀
4	低压侧放油口
5	油冷却器接头 5/8" SAE-FLARE
6	油压接头 1/4" SAE-FLARE
7	电磁阀接口 (有级和无级能量控制)
8	低压接头 1/4" SAE-FLARE
9	止回阀
10	吸气截止阀
11	接线盒
12	制冷剂接口Ø10/经济器接口Ø22 (选配)
13	排气截止阀

SW3H 11500_12500
SW3L 10500

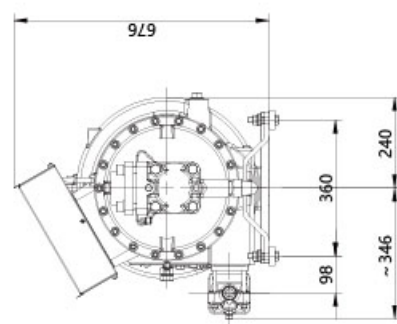
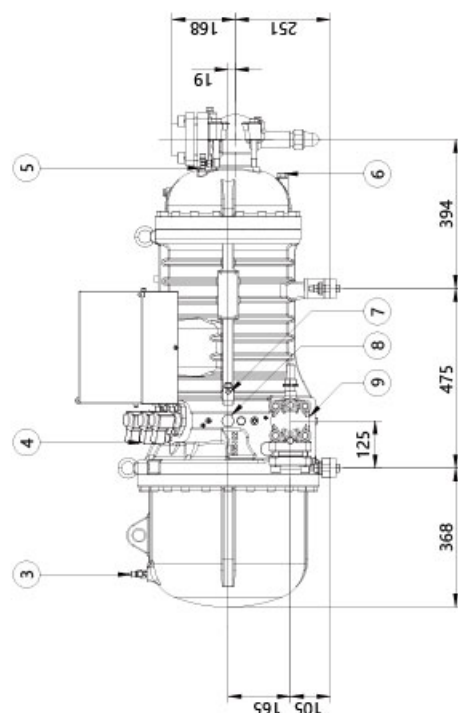
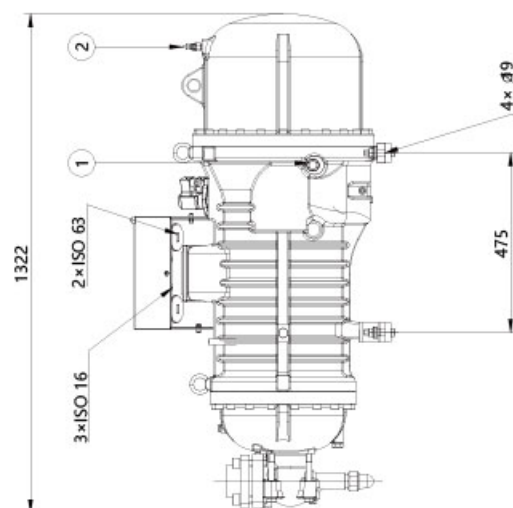


图例

1	制冷剂接口Ø10/经济器接口Ø22 (选配)
2	排气温度传感器1/8" NPT
3	高压接头 1/4" SAE-FLARE
4	能量调节电磁阀
5	低压侧放油口
6	油压接头 1/4" SAE-FLARE
7	油压接头 1/4" SAE-FLARE
8	油路接头5/8" SAE-FLARE
9	排气截止阀
10	单向阀
11	电磁阀板 (有级-无级转换)
12	接线盒
13	吸气截止阀

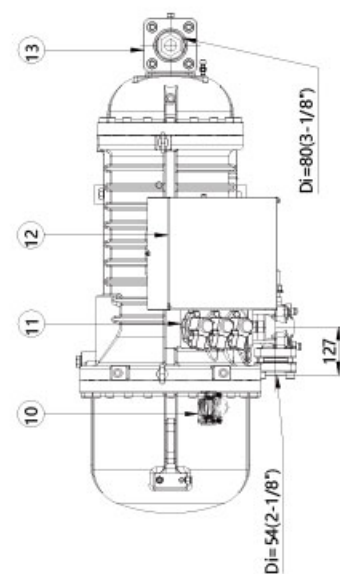


SW3H 10500
SW3L 8000 9500

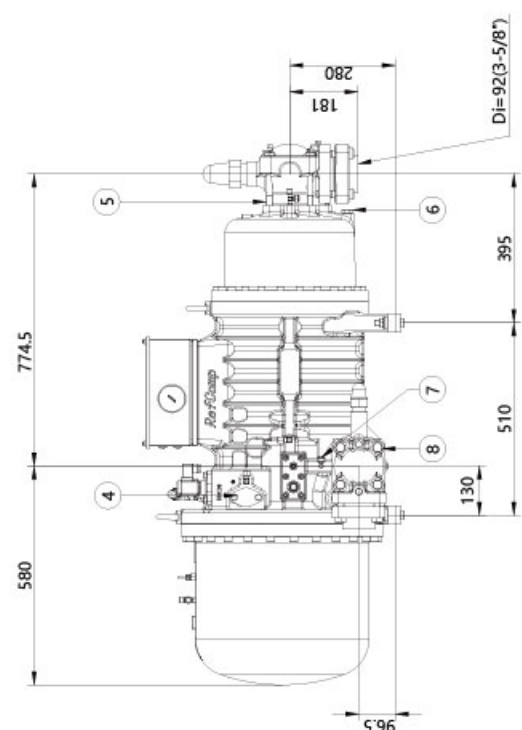
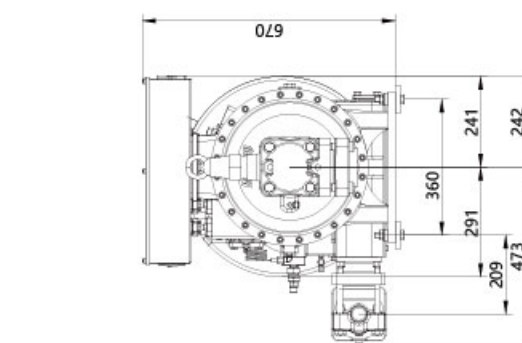
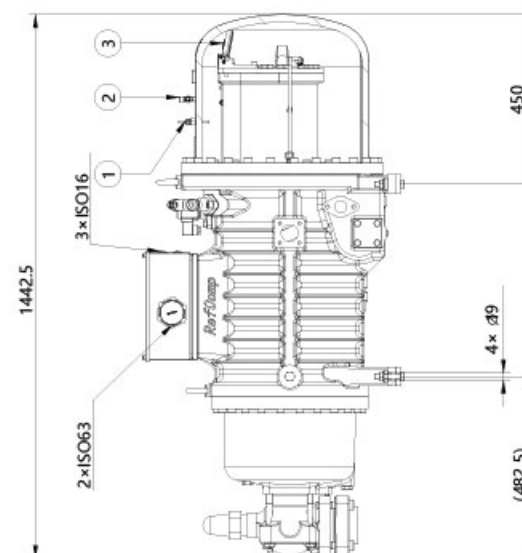


可圖

1	喷液接口 Ø10/经济型接口 Ø22 (选配)
2	排气温度传感器 1/8" NPT
3	高压接头 1/4" SAE-FLARE
4	能量调节电磁阀
5	低压接头 1/4" SAE-FLARE
6	低压侧放油口
7	油压接头 1/4" SAE-FLARE
8	油路接头 5/8" SAE-FLARE
9	排气截止阀
10	单向阀
11	电磁阀版 (有吸、无吸转换)
12	接线盒
13	吸气截止阀

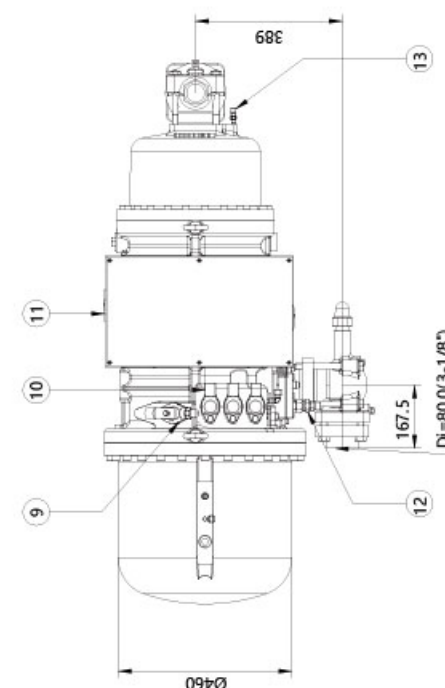


SW3H 14000_16000_19000
SW3L 11500_13000_16000

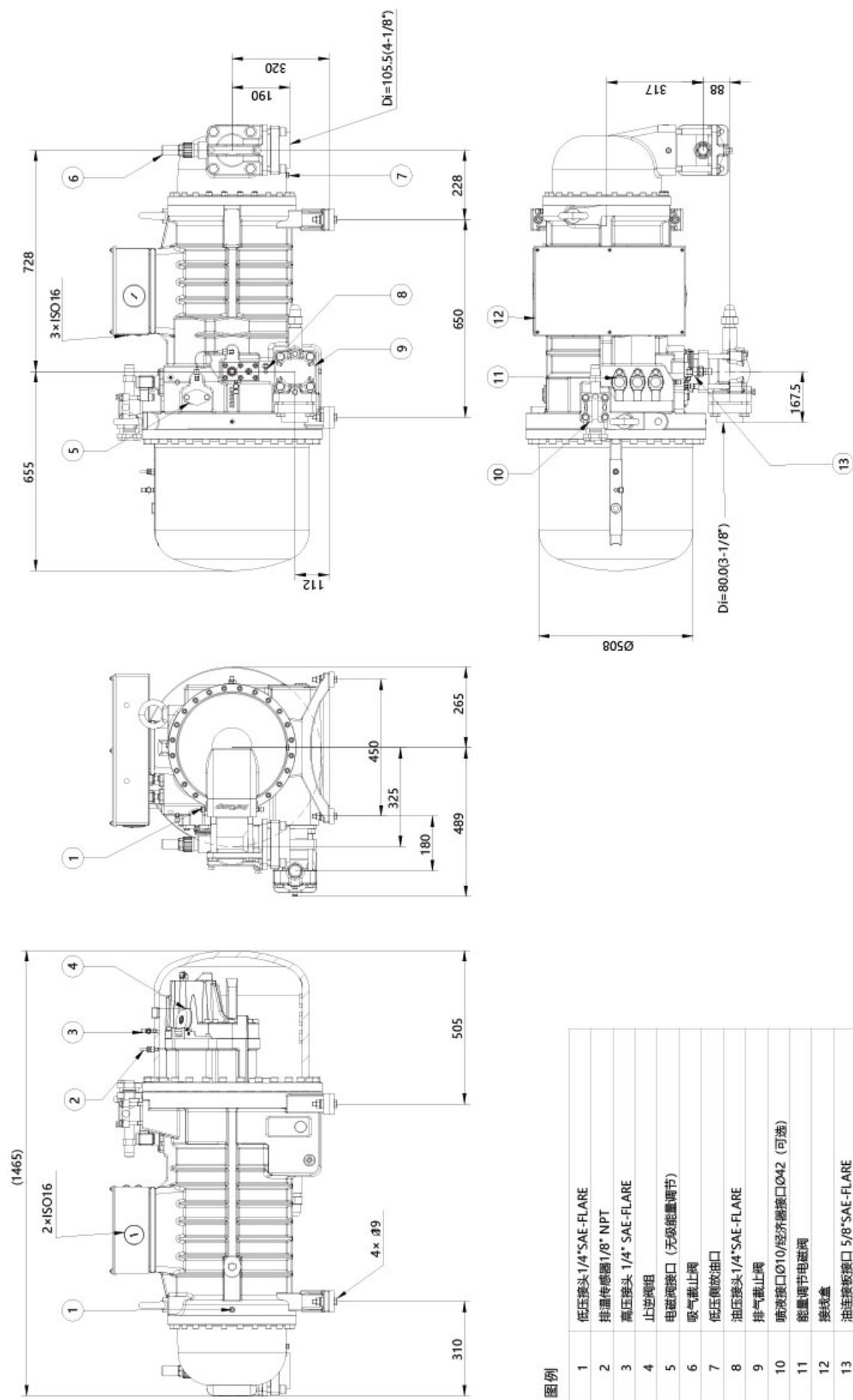


图例

1	排气温度传感器1/8" NPT
2	高压接头 1/4" SAE-FLARE
3	止逆阀组
4	电磁调接口 (无级能量调节)
5	吸气截止阀
6	低压侧放油口
7	抽气接头 1/4" SAE-FLARE
8	排气截止阀
9	喷液接口 Ø10/经济器接口 Ø28 (可选)
10	能量调节电磁调
11	接线盒
12	油连接板接口 5/8" SAE-FLARE
13	低压接头 1/4" SAE-FLARE



SW3H 21000_24000_25000
SW3L 18000_20000_22000



SW3H30000_35000_40000
SW3L25000_30000_40000

