



Серия SW

Винтовые холодильные компрессоры

**RefComp Italy**

Всемирно известный бренд  
винтовых и поршневых компрессоров

Специализируется на коммерческих  
холодильных компрессорах

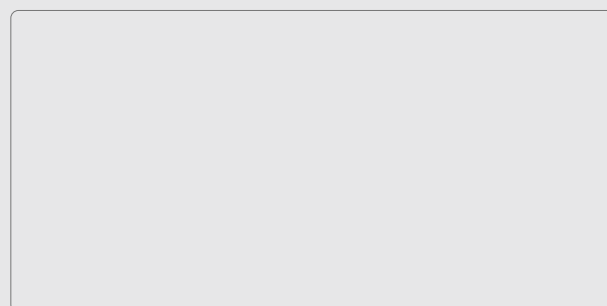
25 лет исследований в области винтовых технологий для  
энергосбережения и защиты окружающей среды.

Первый в мире винтовой компрессор R134a.

Первый в мире винтовой компрессор  
с преобразователем частоты.



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Версия 3, январь 2017



**FUJIAN SNOWMAN CO., LTD.**



Введение

За последнее десятилетие достигнуты большие изменения в области промышленного и коммерческого холодильного оборудования.

Наряду с надежностью и доступностью компрессора, уделяется внимание к другим факторам, таким как эффективность, бесшумность, компактность, простота установки и обслуживания.

В области кондиционирования воздуха такие растущие потребности были удовлетворены компактными винтовыми компрессорами, которые в результате постепенно распространились на все рынки.

На основе своего опыта и успеха в бизнесе RefComp разработала полный спектр полугерметичных винтовых компрессоров компактной серии, специально предназначенных для применения в холодильной технике.

Все модели имеют контроль производительности золотником.



Обозначение модели

|                                |                                                    |             |   |   |   |      |
|--------------------------------|----------------------------------------------------|-------------|---|---|---|------|
| Компрессор                     |                                                    | S           | W | 3 | H | 4000 |
| Тип компрессора                |                                                    | <div></div> |   |   |   |      |
| S                              | Полугерметичная серия SW                           |             |   |   |   |      |
| Серия                          |                                                    |             |   |   |   |      |
| W                              | Винтовой компрессор                                |             |   |   |   |      |
| Исполнение                     |                                                    |             |   |   |   |      |
| 3                              | Без внутреннего масляного сепаратора Исполнение«3» |             |   |   |   |      |
| Размер двигателя               |                                                    | <div></div> |   |   |   |      |
| H                              | Полноразмерный электродвигатель                    |             |   |   |   |      |
| L                              | Малый размер электродвигателя                      |             |   |   |   |      |
| Номинальная мощность двигателя |                                                    | <div></div> |   |   |   |      |
| 4000                           | Hp x 100                                           |             |   |   |   |      |

Технические данные

| Модель компрессора                   |           | SW3H                                                                                  |            |            |            |            |            |            |            | SW3L                                                                                  |            |            |            |            |            |            |            |
|--------------------------------------|-----------|---------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                                      |           | 4000                                                                                  | 5000       | 6000       | 7500       | 9000       | 10500      | 11500      | 12500      | 3000                                                                                  | 4000       | 5000       | 6000       | 7000       | 8000       | 9500       | 10500      |
| Номинальная мощность двигателя       | Hp/кВт    | 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     |
| Производительность при 50/60 [Гц]    | м³/ч      | 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    |
| Вес                                  | кг        | 245                                                                                   | 255        | 265        | 410        | 420        | 535        | 540        | 545        | 245                                                                                   | 255        | 265        | 410        | 420        | 520        | 525        | 530        |
| Диаметр линии нагнетания             | мм / дюйм | 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" |
| Диаметр линии всасывания             | мм / дюйм | 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" |
| Подключение масляного контура        | мм / дюйм | Φ 16mm / 5/8"SAE                                                                      |            |            |            |            |            |            |            | Φ 16mm / 5/8"SAE                                                                      |            |            |            |            |            |            |            |
| Регулирование производительности     |           | Шаг: 100,75,50 %, мин%<br>(Бесступенчато: 100 % ... 50% или 100 ... мин % по запросу) |            |            |            |            |            |            |            | Шаг: 100,75,50 %, мин%<br>(Бесступенчато: 100 % ... 50% или 100 ... мин % по запросу) |            |            |            |            |            |            |            |
| Защитное устройство                  |           | INT69 SNY                                                                             |            |            |            |            |            |            |            | INT69 SNY                                                                             |            |            |            |            |            |            |            |
| Стандартный двигатель <sup>(1)</sup> |           | 400 В / 3/50 Гц - 460/3/60 Гц                                                         |            |            |            |            |            |            |            | 400 В / 3/50 Гц - 460/3/60 Гц                                                         |            |            |            |            |            |            |            |
| Пуск звезда/треугольник ток (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    |
| Макс рабочий ток <sup>(2)</sup>      | A         | 75                                                                                    | 90         | 105        | 124        | 140        | 180        | 182        | 196        | 65                                                                                    | 80         | 88         | 103        | 117        | 139        | 154        | 163        |

| Модель компрессора                               |             | SW3H                                                                                  |              |              |                 |                 |                 | SW3L                                                                                  |              |              |                 |                 |                 |
|--------------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------|--------------|-----------------|-----------------|-----------------|---------------------------------------------------------------------------------------|--------------|--------------|-----------------|-----------------|-----------------|
|                                                  |             | 14000                                                                                 | 16000        | 19000        | 21000           | 24000           | 25000           | 11500                                                                                 | 13000        | 16000        | 18000           | 20000           | 22000           |
| Номинальная мощность двигателя                   | 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         |
| Производительность при 50/60 [Гц]                | м³/hr       | 402/482                                                                               | 445/534      | 510/612      | 562/674         | 600/720         | 700/840         | 380/456                                                                               | 445/534      | 510/612      | 562/674         | 600/720         | 700/840         |
| Вес                                              | Kg          | 665                                                                                   | 675          | 710          | 1030            | 1050            | 980             | 665                                                                                   | 675          | 710          | 1030            | 1050            | 980             |
| Диаметр линии нагнетания                         | mm / inches | 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")    |
| Диаметр линии всасывания                         | mm / inches | 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") |
| Подключение масляного контура                    | mm / inches | Φ 16mm / 5/8"SAE                                                                      |              |              |                 |                 |                 | Φ 16mm / 5/8"SAE                                                                      |              |              |                 |                 |                 |
| Регулирование производительности                 |             | Шаг: 100,75,50 %, мин%<br>(Бесступенчато: 100 % ... 50% или 100 ... мин % по запросу) |              |              |                 |                 |                 | Шаг: 100,75,50 %, мин%<br>(Бесступенчато: 100 % ... 50% или 100 ... мин % по запросу) |              |              |                 |                 |                 |
| Защитное устройство                              |             | INT69 SNY                                                                             |              |              |                 |                 |                 | INT69 SNY                                                                             |              |              |                 |                 |                 |
| Стандартный двигатель(1)                         |             | Y / Δ - 400 В / 3/50 Гц - 460/3 / 60 Гц                                               |              |              |                 |                 |                 | Y / Δ - 400 В / 3/50 Гц - 460/3 / 60 Гц                                               |              |              |                 |                 |                 |
| Пуск звезда/треугольник ток (Y/Δ) <sup>(2)</sup> | 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        |
| Макс рабочий ток <sup>(2)</sup>                  | A           | 249                                                                                   | 270          | 305          | 335             | 360             | 410             | 196                                                                                   | 210          | 236          | 250             | 270             | 300             |

(1) Допуск напряжения ± 10% (2) На основе Леонардо V1.8.4

Преимущества

Разноплановость

Чтобы лучше удовлетворить множество возможных применений выпускается в двух вариантах: модели SW3L, характеризующиеся "малым размером" электродвигателя, оптимизированы для применения при низких температурах кипения (до - 50 °С); модели SW3H, характеризующиеся “полноразмерным” электродвигателем, отлично подходят для средних и высоких температур кипения (до +12 °С с R22).

Эффективность

Производительность и энергоэффективность могут быть дополнительно увеличены с помощью схемы с экономайзером, в частности, для средних и высоких степеней сжатия.

Тишина и отсутствие вибрации;

Компактность и простота установки;

Надежность и безопасность эксплуатации;

Оптимальное смазывание;

Простота обслуживания;

Программное обеспечение, документы и поддержка;

Refcomp может осуществить непосредственный выбор компонентов, необходимых для холодильных машин: маслоотделитель, маслоохладитель, экономайзер.

Поставка

Составные части

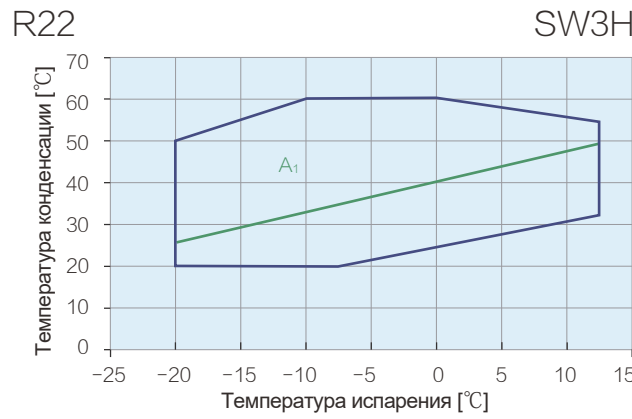
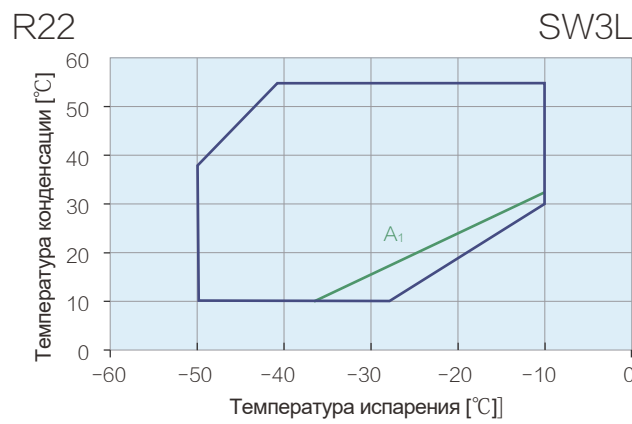
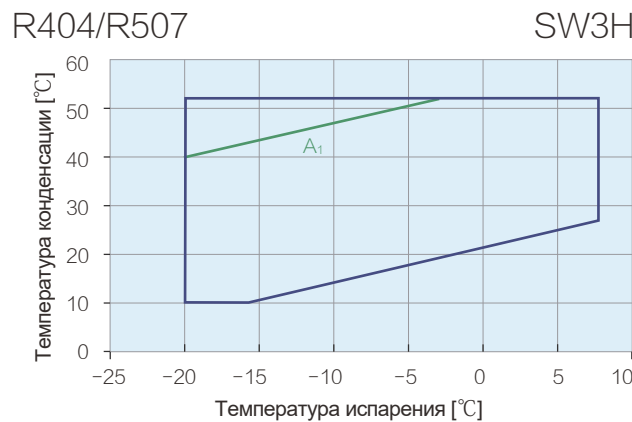
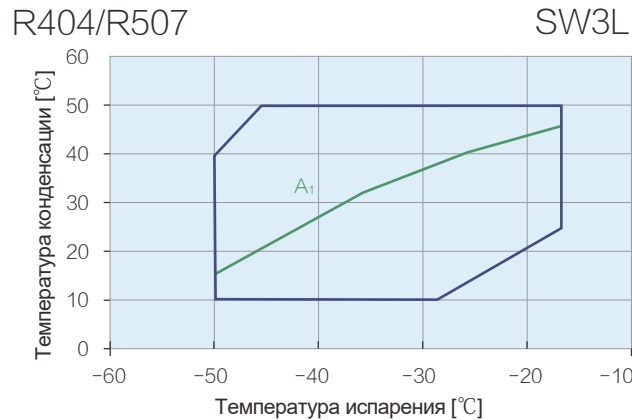
Стандартная поставка состоит из: двигателя Y / D (400 [В] / 3 / 50 [Гц] - 460 [В] / 3 / 60 [Гц]), соединение пайкой на всасывании; запорный клапан на нагнетании; встроенный обратный клапан; встроенный предохранительный клапан; соединение для впрыска масла; регулирование производительности (SW: 4 шага - 100, 75, 50, мин.% или бесступенчатое 100 или 50 ... мин.%), двигатель со встроенными датчиками 6PTC, PTC датчик температуры, электронное защитное устройство, электрическая коробка с классом защиты IP54, защитная заправка азотом, резиновые демпферы вибрации.

Комплект возвратной линии масла включает в себя: электромагнитный клапан, сменный фильтр картриджного типа, реле потока, смотровое стекло, электронный модуль управления INT69 B2 и электролитический конденсатор.

Дополнительный аксессуар

По запросу доступны следующие аксессуары: специальные двигатели, отсечной клапан всасывания, комплект для переоборудования с бесступенчатого на ступенчатое (или наоборот) управление мощностью для моделей SW, соединение для впрыска жидкости, соединение ECO с запорным клапаном, звенья для прямого пуска, стандартные и/или электрические аксессуары (электромагнитные клапаны, устройство защиты двигателя INT69 B2) подходят для питания 230 В - 1-50/60 Гц. Модуль защиты REFCOMP подходит для 230/115 [В] - 1- 50/60 [Гц]. Специальные напряжения также доступны по запросу.

Применение



Ограничения относятся к полной работе на частоте 50 Гц.  
10 [K] перегрев всасывающего газа.  
110 [°C] макс.нагнетание.  
A<sub>1</sub> масляное охлаждение

Характеристики-SW3H, хладагент R22

| SW-3-H4000(R22) |       |      |       |      |       |      |       |      |       |      |      |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| Tc              | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60   |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf   | Pa   |
| -20             | 53.4  | 18.4 | 50.4  | 20.6 | 47    | 22.9 | 43.1  | 25.5 | 38.8  | 28.3 | -    | -    |
| -15             | 65.7  | 18.9 | 61.9  | 21   | 57.7  | 23.4 | 53.1  | 26   | 48.1  | 28.9 | -    | -    |
| -10             | 79.9  | 19.5 | 75.4  | 21.6 | 70.5  | 23.9 | 65.3  | 26.6 | 59.8  | 29.5 | 48   | 36.2 |
| -5              | 96    | 20.2 | 90.9  | 22.2 | 85.5  | 24.5 | 79.8  | 27.2 | 73.9  | 30.1 | 61.3 | 37   |
| 0               | 114.1 | 21   | 108.5 | 22.9 | 102.6 | 25.2 | 96.6  | 27.8 | 90.3  | 30.8 | 77.3 | 37.9 |
| 5               | 134   | 21.8 | 128   | 23.7 | 121.9 | 25.9 | 115.6 | 28.5 | 109.1 | 31.5 | -    | -    |
| 10              | -     | -    | 149.6 | 24.5 | 143.2 | 26.7 | 136.8 | 29.3 | 130.2 | 32.3 | -    | -    |

| SW-3-H6000(R22) |       |      |       |      |       |      |       |      |       |      |       |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc              | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -20             | 79.2  | 27.3 | 74.8  | 30.5 | 69.7  | 34   | 63.9  | 37.8 | 57.5  | 41.9 | -     | -    |
| -15             | 97.4  | 28.1 | 91.8  | 31.2 | 85.8  | 34.7 | 78.7  | 38.6 | 71.3  | 42.8 | -     | -    |
| -10             | 118.5 | 28.9 | 111.8 | 32   | 104.6 | 35.5 | 96.9  | 39.4 | 88.7  | 43.7 | 71.1  | 53.6 |
| -5              | 142.4 | 29.9 | 134.9 | 32.9 | 126.8 | 36.4 | 118.4 | 40.3 | 109.6 | 44.7 | 91    | 54.9 |
| 0               | 169.2 | 31.1 | 160.9 | 33.9 | 152.2 | 37.3 | 143.2 | 41.3 | 133.9 | 45.7 | 114.6 | 56.2 |
| 5               | 198.7 | 32.4 | 189.9 | 35.1 | 180.8 | 38.4 | 171.4 | 42.3 | 161.8 | 46.8 | -     | -    |
| 10              | -     | -    | 221.8 | 36.4 | 212.4 | 39.5 | 202.8 | 43.4 | 193.1 | 47.9 | -     | -    |

| SW-3-H9000(R22) |       |      |       |      |       |      |       |      |       |      |       |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc              | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -20             | 107.2 | 37   | 101.3 | 41.4 | 94.4  | 46.1 | 86.6  | 51.2 | 77.9  | 56.8 | -     | -    |
| -15             | 131.9 | 38   | 124.3 | 42.3 | 115.9 | 47   | 106.6 | 52.3 | 96.6  | 58   | -     | -    |
| -10             | 160.4 | 39.2 | 151.4 | 43.4 | 141.7 | 48.1 | 131.2 | 53.4 | 120.1 | 59.2 | 96.3  | 72.6 |
| -5              | 192.9 | 40.5 | 182.6 | 44.6 | 171.8 | 49.3 | 160.3 | 54.6 | 148.4 | 60.5 | 123.2 | 74.4 |
| 0               | 229.1 | 42.1 | 217.9 | 46   | 206.2 | 50.6 | 194   | 55.9 | 181.4 | 61.9 | 155.3 | 76.1 |
| 5               | 269.1 | 43.8 | 257.2 | 47.5 | 244.8 | 52   | 232.1 | 57.3 | 219.1 | 63.3 | -     | -    |
| 10              | -     | -    | 300.5 | 49.2 | 287.7 | 53.6 | 274.7 | 58.7 | 261.5 | 64.8 | -     | -    |

| SW-3-H11500(R22) |       |      |       |      |       |      |       |      |       |      |       |       |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
| Tc               | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    |
| -20              | 143.9 | 49.7 | 135.9 | 55.5 | 126.7 | 61.8 | 116.2 | 68.7 | 104.5 | 76.2 | -     | -     |
| -15              | 177   | 51   | 166.8 | 56.7 | 155.5 | 63.1 | 143   | 70.1 | 129.6 | 77.8 | -     | -     |
| -10              | 215.3 | 52.6 | 203.2 | 58.2 | 190.1 | 64.5 | 176   | 71.6 | 161.2 | 79.5 | 129.2 | 97.4  |
| -5               | 258.8 | 54.4 | 245.1 | 59.8 | 230.5 | 66.1 | 215.1 | 73.2 | 199.1 | 81.2 | 165.3 | 99.8  |
| 0                | 307.4 | 56.5 | 292.4 | 61.7 | 276.6 | 67.8 | 260.3 | 75   | 243.4 | 83.1 | 208.3 | 102.1 |
| 5                | 361.1 | 58.8 | 345.1 | 63.8 | 328.5 | 69.8 | 311.4 | 76.8 | 294   | 85   | -     | -     |
| 10               | -     | -    | 403.1 | 66.1 | 386   | 71.9 | 368.6 | 78.8 | 350.9 | 87   | -     | -     |

| SW-3-H14000(R22) |       |      |       |      |       |      |       |      |       |      |       |       |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
| Tc               | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    |
| -20              | 166.7 | 53.7 | 154.9 | 60.7 | 141.4 | 68.2 | 125.2 | 76.4 | 105.5 | 85.5 | -     | -     |
| -15              | 206.8 | 54.7 | 193.8 | 61.6 | 178.9 | 69.1 | 161.3 | 77.6 | 140   | 87.3 | -     | -     |
| -10              | 249.6 | 56.2 | 236.5 | 62.8 | 221.4 | 70.3 | 203.5 | 79   | 181.7 | 89   | 123.1 | 114.4 |
| -5               | 293.3 | 58.2 | 281.3 | 64.4 | 267.2 | 71.7 | 250.1 | 80.5 | 229.1 | 90.9 | 171.7 | 117.7 |
| 0                | 336.3 | 60.8 | 326.5 | 66.5 | 314.5 | 73.6 | 299.5 | 82.3 | 280.4 | 93   | 226.4 | 120.9 |
| 5                | 376.7 | 64.1 | 370.4 | 69.1 | 361.8 | 75.8 | 349.9 | 84.5 | 333.9 | 95.2 | -     | -     |
| 10               | -     | -    | 411.3 | 72.4 | 407.2 | 78.6 | 399.7 | 87   | 387.9 | 97.8 | -     | -     |

| SW-3-H5000(R22) |       |      |       |      |       |      |       |      |       |      |      |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| Tc              | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60   |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf   | Pa   |
| -20             | 67.9  | 23.4 | 64.1  | 26.2 | 59.7  | 29.2 | 54.8  | 32.4 | 49.3  | 35.9 | -    | -    |
| -15             | 83.5  | 24.1 | 78.7  | 26.8 | 73.3  | 29.8 | 67.5  | 33.1 | 61.1  | 36.7 | -    | -    |
| -10             | 101.5 | 24.8 | 95.8  | 27.4 | 89.7  | 30.4 | 83    | 33.8 | 76    | 37.5 | 61   | 46   |
| -5              | 122.1 | 25.7 | 115.6 | 28.2 | 108.7 | 31.2 | 101.5 | 34.5 | 93.9  | 38.3 | 78   | 47.1 |
| 0               | 145   | 26.6 | 137.9 | 29.1 | 130.5 | 32   | 122.8 | 35.4 | 114.8 | 39.2 | 98.3 | 48.2 |
| 5               | 170.3 | 27.7 | 162.8 | 30.1 | 154.9 | 32.8 | 146.9 | 36.2 | 138.7 | 40.1 | -    | -    |
| 10              | -     | -    | 190.2 | 31.2 | 182.1 | 33.9 | 173.8 | 37.2 | 165.5 | 41   | -    | -    |

| SW-3-H7500(R22) |       |      |       |      |       |      |       |      |       |      |       |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc              | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -20             | 92.8  | 32   | 87.6  | 35.8 | 81.6  | 39.9 | 74.9  | 44.3 | 67.4  | 49.1 | -     | -    |
| -15             | 114.1 | 32.9 | 107.5 | 36.6 | 100.2 | 40.7 | 92.2  | 45.2 | 83.6  | 50.1 | -     | -    |
| -10             | 138.8 | 33.9 | 131   | 37.5 | 122.5 | 41.6 | 113.5 | 46.2 | 103.9 | 51.2 | 83.3  | 62.8 |
| -5              | 166.8 | 35.1 | 158   | 38.6 | 148.6 | 42.6 | 138.7 | 47.2 | 128.3 | 52.4 | 106.5 | 64.3 |
| 0               | 198.1 | 36.4 | 188.5 | 39.8 | 178.3 | 43.7 | 167.8 | 48.3 | 156.9 | 53.5 | 134.3 | 65.8 |
| 5               | 232.8 | 37.9 | 222.4 | 41.1 | 211.7 | 45   | 200.7 | 49.5 | 189.5 | 54.8 | -     | -    |
| 10              | -     | -    | 259.9 | 42.6 | 248.8 | 46.3 | 237.6 | 50.8 | 226.2 | 56.1 | -     | -    |

| SW-3-H10500(R22) |       |      |       |      |       |      |       |      |       |      |       |      |  |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--|
| Tc               | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |      |  |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |  |
| -20              | 129.4 | 44.7 | 122.3 | 49.9 | 113.9 | 55.6 | 104.5 | 61.8 | 94    | 68.5 | -     | -    |  |
| -15              | 159.2 | 45.9 | 150   | 51   | 139.8 | 56.8 | 128.6 | 63.1 | 116.6 | 70   | -     | -    |  |
| -10              | 193.6 | 47.3 | 182.7 | 52.3 | 170.9 | 58   | 158.3 | 64.4 | 144.9 | 71.5 | 116.2 | 87.6 |  |
| -5               | 232.7 | 48.9 | 220.4 | 53.8 | 207.3 | 59.4 | 193.5 | 65.9 | 179.1 | 73.1 | 148.7 | 89.7 |  |
| 0                | 276.5 | 50.8 | 262.9 | 55.5 | 248.8 | 61   | 234.1 | 67.4 | 218.9 | 74.7 | 187.3 | 91.7 |  |
| 5                | 324.8 | 52.9 | 310.3 | 57.3 | 295.4 | 62.7 | 280.1 | 69.1 | 264.4 | 76.4 | -     | -    |  |
| 10               | -     | -    | 362.6 | 59.4 | 347.2 | 64.6 | 331.5 | 70.9 | 315.6 | 78.2 | -     | -    |  |

| SW-3-H12500(R22) |       |      |       |      |       |      |       |      |       |      |       |       |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
| Tc               | 30    |      | 35    |      | 40    |      | 45    |      | 50    |      | 60    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    |
| -20              | 154.3 | 53.3 | 145.8 | 59.5 | 135.8 | 66.3 | 124.6 | 73.7 | 112.1 | 81.7 | -     | -     |
| -15              | 189.8 | 54.7 | 178.9 | 60.8 | 166.7 | 67.7 | 153.4 | 75.2 | 139   | 83.4 | -     | -     |
| -10              | 230.9 | 56.4 | 217.9 | 62.4 | 203.8 | 69.2 | 188.8 | 76.8 | 172.8 | 85.2 | 138.6 | 104.5 |
| -5               | 277.5 | 58.3 | 262.8 | 64.1 | 247.1 | 70.9 | 230.7 | 78.5 | 213.5 | 87.1 | 177.2 | 107   |
| 0                | 329.6 | 60.5 | 313.5 | 66.1 | 296.6 | 72.8 | 279.1 | 80.4 | 261   | 89.1 | 223.4 | 109.5 |
| 5                | 387.2 | 63.1 | 370   | 68.4 | 352.3 | 74.8 | 334   | 82.4 | 315.3 | 91.1 | -     | -     |
| 10               | -     | -    | 432.3 | 70.8 | 413.9 | 77.1 | 395.2 | 84.5 | 376.2 | 93.2 | -     | -     |

| SW-3-H16000(R22) |       |      |       |      |       |      |       |      |       |       |       |       |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|
| Tc               | 30    |      | 35    |      | 40    |      | 45    |      | 50    |       | 60    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    |
| -20              | 184.5 | 61.2 | 172.2 | 69.1 | 156.5 | 77.8 | 137.9 | 87.3 | 116.8 | 97.5  | -     | -     |
| -15              | 228.9 | 62.4 | 215.3 | 70   | 198.1 | 78.9 | 177.8 | 88.7 | 154.9 | 99.5  | -     | -     |
| -10              | 276.3 | 64.1 | 262.5 | 71.4 | 245.1 | 80.2 | 224.5 | 90.2 | 201.2 | 101.5 | 148.2 | 127.3 |
| -5               | 324.7 | 66.4 | 312.1 | 73.2 | 295.8 | 81.8 | 276.1 | 92   | 253.6 | 103.7 | 201.9 | 131.1 |
| 0                | 372.2 | 69.4 | 362.2 | 75.6 | 348.2 | 83.9 | 330.8 | 94.1 | 310.4 | 106   | 262.5 | 134.8 |
| 5                | 417   | 73.1 | 410.8 | 78.7 | 400.5 | 86.5 | 386.6 | 96.5 | 369.6 | 108.6 | -     | -     |
| 10               | -     | -    | 456.1 | 82.4 | 450.7 | 89.7 | 441.7 | 99.4 | 429.4 | 111.5 | -     | -     |

Характеристики-SW3H, хладагент R22

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Характеристики-SW3L, /(с экономайзером), хладагент R22

| SW-3-L3000(R22) |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc              | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te              | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50             | 12.6 | 12   | 11   | 14.8 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40             | 22.5 | 13.4 | 20.2 | 16.1 | 17.5 | 19.4 | 16   | 21.3 | 14.4 | 23.5 | 12.6 | 25.8 |
| -35             | 28.9 | 14.2 | 26.1 | 16.9 | 22.9 | 20.2 | 21.1 | 22.1 | 19.2 | 24.2 | 17.2 | 26.5 |
| -30             | 36.6 | 15.1 | 33.2 | 17.8 | 29.3 | 21   | 27.2 | 22.9 | 25   | 24.9 | 22.6 | 27.3 |
| -25             | 45.6 | 16.3 | 41.5 | 18.9 | 37   | 22   | 34.5 | 23.8 | 31.8 | 25.8 | 29.1 | 28.1 |
| -20             | 56.1 | 17.7 | 51.3 | 20.1 | 45.9 | 23.1 | 43   | 24.9 | 39.9 | 26.9 | 36.7 | 29.1 |
| -10             | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 56.3 | 31.8 |

| SW-3-L4000(R22) |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc              | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te              | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50             | 15.8 | 16   | 13.8 | 19.7 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40             | 28.3 | 17.2 | 25.3 | 21   | 21.9 | 25.3 | 20   | 27.6 | 17.9 | 30.1 | 15.5 | 32.8 |
| -35             | 364  | 18.1 | 32.8 | 21.8 | 28.7 | 26.1 | 26.5 | 28.5 | 24   | 31.1 | 21.3 | 33.9 |
| -30             | 46.1 | 19.2 | 41.7 | 22.8 | 36.9 | 27   | 34.2 | 29.5 | 31.3 | 32.1 | 28.2 | 35   |
| -25             | 57.5 | 20.5 | 52.2 | 23.9 | 46.5 | 28.1 | 43.4 | 30.6 | 40.1 | 33.2 | 36.5 | 36.1 |
| -20             | 70.9 | 22.2 | 64.6 | 25.3 | 57.8 | 29.4 | 54.2 | 31.8 | 50.4 | 34.4 | 46.3 | 37.4 |
| -10             | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 71.4 | 40.3 |

| SW-3-L5000(R22) |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc              | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te              | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50             | 18.5 | 18.2 | 16.1 | 22.4 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40             | 33   | 19.6 | 29.5 | 23.9 | 25.6 | 28.7 | 23.3 | 31.4 | 20.8 | 34.2 | 18.1 | 37.3 |
| -35             | 42.5 | 20.6 | 38.3 | 24.8 | 33.5 | 29.7 | 30.9 | 32.4 | 28   | 35.3 | 24.9 | 38.5 |
| -30             | 53.8 | 21.8 | 48.6 | 25.9 | 43   | 30.7 | 39.9 | 33.5 | 36.6 | 36.5 | 32.9 | 39.8 |
| -25             | 67.1 | 23.3 | 60.9 | 27.2 | 54.2 | 32   | 50.6 | 34.7 | 46.7 | 37.8 | 42.6 | 41.1 |
| -20             | 82.7 | 25.2 | 75.3 | 28.8 | 67.5 | 33.4 | 63.2 | 36.2 | 58.8 | 39.2 | 54.1 | 42.5 |
| -10             | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 83.3 | 45.8 |

| SW-3-L6000(R22) |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc              | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te              | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50             | 22.2 | 21   | 19.4 | 25.8 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40             | 39.3 | 23.2 | 35.3 | 28   | 30.7 | 33.7 | 28.1 | 37   | 25.4 | 40.7 | 22.4 | 44.9 |
| -35             | 50.5 | 24.5 | 45.6 | 29.2 | 40.1 | 34.9 | 37.1 | 38.2 | 33.8 | 41.9 | 30.3 | 46.1 |
| -30             | 63.8 | 26.2 | 57.9 | 30.8 | 51.3 | 36.3 | 47.7 | 39.6 | 43.9 | 43.2 | 39.7 | 47.4 |
| -25             | 79.5 | 28.3 | 72.4 | 32.6 | 64.6 | 38   | 60.3 | 41.2 | 55.8 | 44.8 | 51   | 48.8 |
| -20             | 97.9 | 30.8 | 89.5 | 34.9 | 80.2 | 40   | 75.2 | 43.1 | 69.9 | 46.6 | 64.3 | 50.6 |
| -10             | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 98.4 | 55.1 |

| SW-3-L7000(R22) |       |      |       |      |      |      |      |      |      |      |       |      |
|-----------------|-------|------|-------|------|------|------|------|------|------|------|-------|------|
| Tc              | 20    |      | 30    |      | 40   |      | 45   |      | 50   |      | 55    |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf    | Pa   |
| -50             | 25.6  | 23.5 | 22.4  | 29   | -    | -    | -    | -    | -    | -    | -     | -    |
| -40             | 45.4  | 26   | 40.8  | 31.4 | 35.5 | 37.8 | 32.5 | 41.6 | 29.3 | 45.7 | 25.9  | 50.4 |
| -35             | 58.3  | 27.6 | 52.7  | 32.9 | 46.4 | 39.2 | 42.9 | 42.9 | 39.1 | 47.1 | 35    | 51.8 |
| -30             | 73.7  | 29.5 | 67    | 34.6 | 59.4 | 40.8 | 55.2 | 44.4 | 50.7 | 48.6 | 45.9  | 53.2 |
| -25             | 91.9  | 31.8 | 83.8  | 36.7 | 74.7 | 42.7 | 69.8 | 46.2 | 64.5 | 50.3 | 59    | 54.9 |
| -20             | 113.2 | 34.6 | 103.5 | 39.2 | 92.8 | 44.9 | 87   | 48.4 | 80.8 | 52.3 | 74.4  | 56.8 |
| -10             | -     | -    | -     | -    | -    | -    | -    | -    | -    | -    | 113.8 | 61.9 |

| SW-3-L3000(R22) / C экономайзером |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc                                | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te                                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50                               | 16.4 | 13.8 | 15.2 | 17.9 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40                               | 27.6 | 14.5 | 26.4 | 18.4 | 24.5 | 23.5 | 23.3 | 26.6 | 21.9 | 30.3 | 20.1 | 34.6 |
| -35                               | 34.6 | 15   | 33.2 | 18.8 | 31.2 | 23.7 | 29.8 | 26.7 | 28.3 | 30.3 | 26.4 | 34.4 |
| -30                               | 42.6 | 15.6 | 41   | 19.3 | 38.8 | 24.1 | 37.3 | 27   | 35.6 | 30.4 | 33.6 | 34.3 |
| -25                               | 51.7 | 16.4 | 49.9 | 20   | 47.4 | 24.5 | 45.8 | 27.4 | 43.9 | 30.6 | 41.8 | 34.4 |
| -20                               | 62   | 17.3 | 60   | 20.8 | 57.2 | 25.2 | 55.5 | 27.9 | 53.5 | 31.1 | 51.1 | 34.7 |
| -10                               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 73.6 | 35.9 |

| SW-3-L4000(R22) / C экономайзером |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc                                | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te                                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50                               | 20.2 | 18   | 18.9 | 23.2 | -    | -    | -    | -    | -    | -    | -    | -    |
| -40                               | 34.2 | 18.3 | 32.6 | 23.4 | 30.2 | 29.7 | 28.6 | 33.4 | 26.6 | 37.7 | 24.2 | 42.6 |
| -35                               | 42.9 | 18.7 | 41   | 23.6 | 38.3 | 29.9 | 36.6 | 33.6 | 34.6 | 37.8 | 32   | 42.6 |
| -30                               | 52.8 | 19.3 | 50.6 | 24.1 | 47.7 | 30.1 | 45.9 | 33.8 | 43.7 | 37.9 | 41   | 42.6 |
| -25                               | 64.1 | 20.1 | 61.7 | 24.6 | 58.5 | 30.5 | 56.4 | 34.1 | 54.1 | 38.1 | 51.3 | 42.8 |
| -20                               | 76.9 | 21.2 | 74.2 | 25.4 | 70.6 | 31.1 | 68.4 | 34.5 | 65.9 | 38.5 | 63   | 43   |
| -10                               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 91   | 43.9 |

| SW-3-L5000(R22) / C экономайзером |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc                                | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te                                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50                               | 23.4 | 20.1 | 21.8 | 26   | -    | -    | -    | -    | -    | -    | -    | -    |
| -40                               | 39.5 | 20.5 | 37.5 | 26.2 | 34.7 | 33.1 | 32.9 | 37.3 | 30.6 | 42   | 27.8 | 47.4 |
| -35                               | 49.5 | 21   | 47.2 | 26.4 | 44.1 | 33.3 | 42.1 | 37.4 | 39.7 | 42.1 | 36.8 | 47.4 |
| -30                               | 60.9 | 21.6 | 58.3 | 26.9 | 54.9 | 33.6 | 52.7 | 37.6 | 50.2 | 42.2 | 47.1 | 47.4 |
| -25                               | 73.9 | 22.6 | 71   | 27.6 | 67.2 | 34.1 | 64.9 | 38   | 62.1 | 42.5 | 58.9 | 47.6 |
| -20                               | 88.6 | 23.8 | 85.4 | 28.5 | 81.2 | 34.7 | 78.7 | 38.5 | 75.7 | 42.9 | 72.3 | 47.8 |
| -10                               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 104  | 48.8 |

| SW-3-L6000(R22) / C экономайзером |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Tc                                | 20   |      | 30   |      | 40   |      | 45   |      | 50   |      | 55   |      |
| Te                                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -50                               | 28.2 | 23.4 | 26.1 | 30   | -    | -    | -    | -    | -    | -    | -    | -    |
| -40                               | 47.4 | 24.6 | 45   | 31   | 41.7 | 39.1 | 39.5 | 44   | 37   | 49.7 | 34   | 56.4 |
| -35                               | 59.5 | 25.5 | 56.7 | 31.7 | 52.9 | 39.6 | 50.5 | 44.4 | 47.7 | 49.9 | 44.5 | 56.3 |
| -30                               | 73.3 | 26.6 | 70.2 | 32.7 | 65.9 | 40.3 | 63.2 | 44.9 | 60.1 | 50.3 | 56.5 | 56.5 |
| -25                               | 89.2 | 28.1 | 85.6 | 33.9 | 80.8 | 41.2 | 77.8 | 45.7 | 74.4 | 50.9 | 70.4 | 57   |
| -20                               | 107  | 29.9 | 103  | 35.4 | 97.8 | 42.5 | 94.4 | 46.8 | 90.6 | 51.9 | 86.2 | 57.7 |
| -10                               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 125  | 60.1 |

| SW-3-L7000(R22) / C экономайзером |       |      |       |      |       |      |       |      |       |      |       |      |
|-----------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc                                | 20    |      | 30    |      | 40    |      | 45    |      | 50    |      | 55    |      |
| Te                                | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -50                               | 32.2  | 25.9 | 29.9  | 33.2 | -     | -    | -     | -    | -     | -    | -     | -    |
| -40                               | 54.2  | 27.2 | 51.4  | 34.2 | 47.5  | 43 1 | 45.1  | 48.5 | 42.2  | 54.7 | 38.8  | 62.1 |
| -35                               | 67.9  | 28.2 | 64.7  | 35   | 60.4  | 43 6 | 57.6  | 48.9 | 54.4  | 54.9 | 50.6  | 62   |
| -30                               | 83.7  | 29.4 | 80.1  | 36   | 75.1  | 44.4 | 72    | 49.5 | 68.5  | 55.4 | 64.3  | 62.2 |
| -25                               | 101.7 | 31   | 97.6  | 37.3 | 92    | 45.4 | 88.6  | 50.3 | 84.6  | 56   | 80.1  | 62.6 |
| -20                               | 122.2 | 33   | 117.5 | 39   | 111.3 | 46 7 | 107.4 | 51.5 | 103.1 | 57   | 98    | 63.4 |
| -10                               | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 141.5 | 65.9 |

Характеристики-SW3L, /(с экономайзером), хладагент R22

| SW-3-L8000(R22) |       |      |       |      |       |      |       |      |      |      |       |      |
|-----------------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|
| Tc              | 20    |      | 30    |      | 40    |      | 45    |      | 50   |      | 55    |      |
| Te              | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf   | Pa   | Pf    | Pa   |
| -50             | 30.9  | 28   | 27    | 34.5 | -     | -    | -     | -    | -    | -    | -     | -    |
| -40             | 54.8  | 31   | 49.2  | 37.4 | 42.8  | 45   | 39.3  | 49.5 | 35.4 | 54.5 | 31.2  | 60   |
| -35             | 70.4  | 32.8 | 63.6  | 39.1 | 56    | 46.7 | 51.7  | 51.1 | 47.2 | 56.1 | 42.2  | 61.6 |
| -30             | 89    | 35.1 | 80.8  | 41.2 | 71.6  | 48.6 | 66.6  | 52.9 | 61.2 | 57.8 | 55.4  | 63.4 |
| -25             | 110.9 | 37.8 | 101.1 | 43.6 | 90.1  | 50.8 | 84.2  | 55.1 | 77.9 | 59.9 | 71.1  | 65.3 |
| -20             | 136.6 | 41.2 | 124.9 | 46.6 | 111.9 | 53.5 | 104.9 | 57.6 | 97.6 | 62.3 | 89.8  | 67.7 |
| -10             | -     | -    | -     | -    | -     | -    | -     | -    | -    | -    | 137.3 | 73.7 |

Характеристики-SW3L, /(с экономайзером), хладагент R22

| SW-3-L16000(R22) |       |      |       |      |       |      |       |      |       |       |       |       |
|------------------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|
| Tc               | 20    |      | 30    |      | 40    |      | 45    |      | 50    |       | 55    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    |
| -50              | 53    | 47.6 | 46.6  | 58.5 | -     | -    | -     | -    | -     | -     | -     | -     |
| -40              | 92.6  | 52.6 | 83.8  | 64.1 | 73.6  | 76.7 | 67.9  | 83.8 | 61.8  | 91.6  | 55.2  | 100.3 |
| -35              | 118.7 | 55.3 | 108   | 66.9 | 95.9  | 80   | 89.2  | 87.3 | 82.1  | 95.5  | 74.4  | 104.6 |
| -30              | 149.8 | 58.3 | 136.8 | 70   | 122.4 | 83.3 | 114.5 | 90.9 | 106.1 | 99.4  | 97.2  | 108.8 |
| -25              | 186.6 | 61.9 | 170.9 | 73.5 | 153.7 | 87   | 144.4 | 94.8 | 134.6 | 103.5 | 124.2 | 113.2 |
| -20              | 229.6 | 66.3 | 210.9 | 77.7 | 190.6 | 91.2 | 179.7 | 99.1 | 168.2 | 107.9 | 156.2 | 117.9 |
| -10              | -     | -    | -     | -    | -     | -    | -     | -    | -     | -     | 237.4 | 128.9 |

| SW-3-L18000(R22) |       |      |       |      |       |       |       |       |       |       |       |       |
|------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc               | 20    |      | 30    |      | 40    |       | 45    |       | 50    |       | 55    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50              | 57.6  | 52.8 | 50.7  | 64.8 | -     | -     | -     | -     | -     | -     | -     | -     |
| -40              | 100.7 | 58.3 | 91    | 71.1 | 80    | 85.1  | 73.8  | 93    | 67.2  | 101.6 | 60    | 111.2 |
| -35              | 129   | 61.3 | 117.4 | 74.2 | 104.2 | 88.7  | 96.9  | 96.9  | 89.2  | 105.9 | 80.8  | 116   |
| -30              | 162.8 | 64.7 | 148.7 | 77.7 | 133   | 92.4  | 124.4 | 100.9 | 115.3 | 110.3 | 105.6 | 120.7 |
| -25              | 202.7 | 68.7 | 185.7 | 81.6 | 167   | 96.5  | 156.9 | 105.1 | 146.3 | 114.8 | 135   | 125.6 |
| -20              | 249.6 | 73.5 | 229.2 | 86.1 | 207.1 | 101.1 | 195.2 | 109.9 | 182.8 | 119.7 | 169.7 | 130.8 |
| -10              | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | 257.9 | 143   |

| SW-3-L20000(R22) |       |      |       |      |       |       |       |       |       |       |       |       |
|------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc               | 20    |      | 30    |      | 40    |       | 45    |       | 50    |       | 55    |       |
| Te               | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50              | 63    | 57.2 | 55.4  | 70.2 | -     | -     | -     | -     | -     | -     | -     | -     |
| -40              | 110.1 | 63.1 | 99.6  | 77   | 87.5  | 92.1  | 80.8  | 100.7 | 73.5  | 110   | 65.6  | 120.5 |
| -35              | 141.1 | 66.4 | 128.4 | 80.4 | 114   | 96    | 106   | 104.9 | 97.5  | 114.7 | 88.4  | 125.6 |
| -30              | 178.1 | 70   | 162.6 | 84.1 | 145.5 | 100.1 | 136.1 | 109.2 | 126.1 | 119.4 | 115.5 | 130.7 |
| -25              | 221.8 | 74.4 | 203.2 | 88.3 | 182.7 | 104.5 | 171.7 | 113.8 | 160   | 124.3 | 147.7 | 136   |
| -20              | 273   | 79.6 | 250.7 | 93.3 | 226.5 | 109.5 | 213.6 | 119   | 200   | 129.6 | 185.7 | 141.6 |
| -10              | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | 282.2 | 154.8 |

| SW-3-L22000(R22) |       |      |       |       |       |       |       |       |       |       |       |       |
|------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc               | 20    |      | 30    |       | 40    |       | 45    |       | 50    |       | 55    |       |
| Te               | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50              | 71.7  | 64.5 | 63.1  | 79.2  | -     | -     | -     | -     | -     | -     | -     | -     |
| -40              | 125.4 | 71.2 | 113.4 | 86.8  | 99.7  | 103.9 | 92    | 113.5 | 83.7  | 124.1 | 74.7  | 135.8 |
| -35              | 160.7 | 74.8 | 146.2 | 90.6  | 129.8 | 108.3 | 120.8 | 118.3 | 111.1 | 129.3 | 100.7 | 141.6 |
| -30              | 202.8 | 79   | 185.3 | 94.8  | 165.7 | 112.8 | 155   | 123.1 | 143.7 | 134.6 | 131.6 | 147.4 |
| -25              | 252.6 | 83.9 | 231.4 | 99.6  | 208.1 | 117.8 | 195.5 | 128.4 | 182.3 | 140.1 | 168.2 | 153.3 |
| -20              | 310.9 | 89.7 | 285.6 | 105.2 | 258   | 123.5 | 243.3 | 134.2 | 227.8 | 146.1 | 211.5 | 159.6 |
| -10              | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 321.4 | 174.5 |

| SW-3-L16000(R22) / C экономайзером |       |      |       |      |       |      |       |       |       |       |       |       |
|------------------------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| Tc                                 | 20    |      | 30    |      | 40    |      | 45    |       | 50    |       | 55    |       |
| Te                                 | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50                                | 67.9  | 53.3 | 64.1  | 69.2 | -     | -    | -     | -     | -     | -     | -     | -     |
| -40                                | 111.7 | 55.2 | 108.1 | 71.1 | 102.4 | 90.7 | 98.5  | 102.7 | 93.7  | 116.7 | 87.8  | 133.4 |
| -35                                | 138.8 | 56.2 | 134.9 | 71.9 | 129   | 91.5 | 125   | 103.5 | 120   | 117.5 | 114   | 134   |
| -30                                | 169.8 | 57.6 | 165.6 | 73   | 159.2 | 92.3 | 154.9 | 104.2 | 149.8 | 118.1 | 143.6 | 134.5 |
| -25                                | 205   | 59.9 | 200.3 | 74.4 | 193.4 | 93.4 | 188.8 | 105.1 | 183.4 | 118.9 | 177   | 135   |
| -20                                | 244.5 | 62   | 239.2 | 76.3 | 231.7 | 94.8 | 226.9 | 106.4 | 221.2 | 119.9 | 214.5 | 135.8 |
| -10                                | -     | -    | -     | -    | -     | -    | -     | -     | -     | -     | 302.8 | 138.5 |

| SW-3-L18000(R22) / C экономайзером |       |      |       |      |       |       |       |       |       |       |       |       |
|------------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc                                 | 20    |      | 30    |      | 40    |       | 45    |       | 50    |       | 55    |       |
| Te                                 | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50                                | 72.9  | 58.3 | 68.6  | 75.3 | -     | -     | -     | -     | -     | -     | -     | -     |
| -40                                | 120.1 | 60.5 | 115.7 | 77.6 | 109.2 | 98.3  | 104.8 | 110.9 | 99.5  | 125.5 | 93    | 142.7 |
| -35                                | 149.4 | 61.8 | 144.6 | 78.6 | 137.7 | 99.4  | 133   | 112   | 127.4 | 126.6 | 120.8 | 143.6 |
| -30                                | 183   | 63.4 | 177.7 | 79.9 | 170.1 | 100.5 | 165.1 | 113.1 | 159.2 | 127.6 | 152.1 | 144.5 |
| -25                                | 221.1 | 65.6 | 215.2 | 81.6 | 206.8 | 101.9 | 201.5 | 114.3 | 195.1 | 128.7 | 187.7 | 145.5 |
| -20                                | 264.1 | 68.5 | 257.4 | 83.9 | 248.2 | 103.7 | 242.4 | 116   | 235.6 | 130.2 | 227.7 | 146.8 |
| -10                                | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | 322.5 | 150.7 |

| SW-3-L20000(R22) / C экономайзером |       |      |       |      |       |       |       |       |       |       |       |       |
|------------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc                                 | 20    |      | 30    |      | 40    |       | 45    |       | 50    |       | 55    |       |
| Te                                 | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50                                | 79    | 62.3 | 74.4  | 80.4 | -     | -     | -     | -     | -     | -     | -     | -     |
| -40                                | 130   | 64.6 | 125.3 | 82.7 | 118.2 | 104.8 | 113.4 | 118.1 | 107.7 | 133.6 | 100.7 | 151.9 |
| -35                                | 161.6 | 66   | 156.5 | 83.9 | 148.9 | 105.9 | 143.9 | 119.2 | 137.8 | 134.7 | 130.6 | 152.8 |
| -30                                | 197.8 | 67.1 | 192   | 85.2 | 183.8 | 107   | 178.4 | 120.3 | 172   | 135.7 | 164.4 | 153.7 |
| -25                                | 238.8 | 70.1 | 232.4 | 87   | 223.3 | 108.5 | 217.5 | 121.6 | 210.6 | 136.8 | 202.6 | 154.6 |
| -20                                | 284.9 | 73.3 | 277.6 | 89.5 | 267.7 | 110.4 | 261.4 | 123.3 | 254.1 | 138.3 | 245.6 | 155.8 |
| -10                                | -     | -    | -     | -    | -     | -     | -     | -     | -     | -     | 347   | 159.9 |

| SW-3-L22000(R22) / C экономайзером |       |      |       |       |       |       |       |       |       |       |       |       |
|------------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tc                                 | 20    |      | 30    |       | 40    |       | 45    |       | 50    |       | 55    |       |
| Te                                 | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50                                | 89.6  | 69.9 | 84.2  | 90    | -     | -     | -     | -     | -     | -     | -     | -     |
| -40                                | 147.4 | 72.5 | 141.9 | 92.7  | 133.8 | 117.2 | 128.3 | 132   | 121.7 | 149.2 | 113.7 | 169.3 |
| -35                                | 183.3 | 74.1 | 177.3 | 94    | 168.5 | 118.5 | 162.7 | 133.3 | 155.8 | 150.4 | 147.5 | 170.4 |
| -30                                | 224.4 | 76.1 | 217.7 | 95.6  | 208   | 119.9 | 201.8 | 134.6 | 194.4 | 151.6 | 185.6 | 171.5 |
| -25                                | 271   | 78.8 | 263.4 | 97.7  | 252.8 | 121.6 | 246.1 | 136.1 | 238.1 | 153   | 228.8 | 172.7 |
| -20                                | 323.4 | 82.5 | 314.9 | 100.6 | 303.2 | 123.8 | 295.9 | 138.1 | 287.4 | 154.8 | 277.5 | 174.2 |
| -10                                | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 392.4 | 179   |

Характеристики-SW3H, хладагент R404A / R507

| SW-3-H4000(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  | 22.4 | 95.3 | 25.4 | 86.8 | 28.3 | 77.7 | 31.2 | 68.1 | 34.2 |
| 0                 | -    | -    | 123  | 21.4 | 114  | 24.7 | 105  | 28   | 94.7 | 31.5 | 84.3 | 35.1 |
| 5                 | -    | -    | 145  | 19.8 | 135  | 23.5 | 125  | 27.4 | 114  | 31.5 | 103  | 35.8 |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |

| SW-3-H6000(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               | 118  | 25.6 | 104 | 34.1 | 95.7 | 37.8 | 85.9 | 41.1 | 75.1 | 44.1 | 63.1 | 46.7 |
| -10               | 144  | 25.5 | 127 | 34.1 | 117  | 38.1 | 106  | 41.8 | 93.5 | 45.4 | 80.4 | 48.9 |
| -5                | 174  | 24.4 | 153 | 33.3 | 141  | 37.7 | 129  | 42   | 115  | 46.3 | 101  | 50.7 |
| 0                 | -    | -    | 183 | 31.7 | 169  | 36.6 | 155  | 41.6 | 140  | 46.7 | 125  | 52.1 |
| 5                 | -    | -    | 216 | 29.3 | 201  | 34.8 | 185  | 40.6 | 169  | 46.7 | 152  | 53.1 |
|                   |      |      |     |      |      |      |      |      |      |      |      |      |

| SW-3-H9000(R404A) |     |      |     |      |     |      |      |      |      |      |      |      |
|-------------------|-----|------|-----|------|-----|------|------|------|------|------|------|------|
| Tc                | 20  |      | 30  |      | 35  |      | 40   |      | 45   |      | 50   |      |
| Te                | Pf  | Pa   | Pf  | Pa   | Pf  | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |
| -20               | 128 | 33.6 | 115 | 45.3 | 106 | 49.8 | 94.4 | 53.9 | 81.3 | 57.2 | 66.6 | 59.9 |
| -15               | 159 | 34.7 | 141 | 46.2 | 130 | 51.2 | 116  | 55.7 | 102  | 59.7 | 85.4 | 63.3 |
| -10               | 195 | 34.5 | 172 | 46.2 | 158 | 51.5 | 143  | 56.7 | 127  | 61.5 | 109  | 66.2 |
| -5                | 235 | 33   | 207 | 45.1 | 191 | 51   | 174  | 56.9 | 156  | 62.8 | 137  | 68.7 |
| 0                 | -   | -    | 247 | 42.9 | 229 | 49.5 | 210  | 56.3 | 190  | 63.3 | 169  | 70.6 |
| 5                 | -   | -    | 292 | 39.7 | 272 | 47.1 | 251  | 54.9 | 229  | 63.2 | 206  | 71.9 |
|                   |     |      |     |      |     |      |      |      |      |      |      |      |

Характеристики-SW3H, хладагент R404A / R507

| SW-3-H19000(R404A) |       |      |       |       |       |       |       |       |       |       |       |       |  |
|--------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Tc                 | 20    |      | 30    |       | 35    |       | 40    |       | 45    |       | 50    |       |  |
| Te                 | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |  |
| -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 |  |
|                    |       |      |       |       |       |       |       |       |       |       |       |       |  |

| SW-3-H24000(R404A) |       |       |       |       |       |       |       |       |       |       |       |       |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Tc                 | 20    |       | 30    |       | 35    |       | 40    |       | 45    |       | 50    |       |  |
| Te                 | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |  |
| -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   | 44.34 | 184.5 |  |
| 5                  | -     | -     | 719.5 | 132.4 | 682.8 | 148.5 | 641.3 | 165.2 | 596.6 | 182   | 550.4 | 198.6 |  |
|                    |       |       |       |       |       |       |       |       |       |       |       |       |  |

| SW-3-H21000(R404A) |       |       |       |       |       |       |       |       |       |       |       |       |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Tc                 | 20    |       | 30    |       | 35    |       | 40    |       | 45    |       | 50    |       |  |
| Te                 | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |  |
| -20                | 267.1 | 86    | 244   | 104   | 228.8 | 112   | 209.7 | 118.9 | 185.8 | 124.3 | 156.1 | 127.7 |  |
| -15                | 334.7 | 94.5  | 302.8 | 111.4 | 283.6 | 119.5 | 260.9 | 126.8 | 233.9 | 132.9 | 201.4 | 137.4 |  |
| -10                | 415.3 | 100   | 374.3 | 117.4 | 351.1 | 126.2 | 324.8 | 134.6 | 294.5 | 142.1 | 259.1 | 148.3 |  |
| -5                 | 509.6 | 102.5 | 459.4 | 121.7 | 432.1 | 131.9 | 402.1 | 142   | 368.5 | 151.5 | 330.1 | 160.2 |  |
| 0                  | -     | -     | 559   | 124   | 527.6 | 136.3 | 493.8 | 148.8 | 456.7 | 161.1 | 415.3 | 172.8 |  |
| 5                  | -     | -     | 673.9 | 124   | 638.3 | 139.1 | 600.7 | 154.7 | 560.1 | 170.5 | 515.6 | 186   |  |
|                    |       |       |       |       |       |       |       |       |       |       |       |       |  |

| SW-3-H25000(R404A) |       |       |       |       |       |       |       |       |       |       |       |       |  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Tc                 | 20    |       | 30    |       | 35    |       | 40    |       | 45    |       | 50    |       |  |
| Te                 | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |  |
| -20                | 317.4 | 110.2 | 304   | 129.5 | 285.9 | 139.3 | 261.2 | 148.2 | 230.4 | 155   | 194.5 | 159.1 |  |
| -15                | 401.6 | 120.7 | 377.1 | 138.8 | 354.2 | 148.7 | 325   | 158   | 290.3 | 165.8 | 250.9 | 171.1 |  |
| -10                | 502   | 127.6 | 466.2 | 146.3 | 438.2 | 157.1 | 404.6 | 167.7 | 365.8 | 177.2 | 322.7 | 184.7 |  |
| -5                 | 619.5 | 130.7 | 572.2 | 151.5 | 539.2 | 164.1 | 500.9 | 176.9 | 458   | 188.9 | 411.2 | 199.5 |  |
| 0                  | -     | -     | 696.2 | 154.4 | 658.1 | 169.5 | 615.1 | 185.3 | 567.9 | 200.8 | 517.3 | 215.2 |  |
| 5                  | -     | -     | 839.4 | 154.5 | 796   | 173.1 | 748.2 | 192.7 | 696.7 | 212.5 | 642.2 | 231.6 |  |
|                    |       |       |       |       |       |       |       |       |       |       |       |       |  |

ОБОЗНАЧЕНИЯ:

Pf = холодопроизводительность (кВт)

Pa = входная мощность (кВт)

Te = температура кипения (°C)

Tc = температура конденсации (°C)

Частота 50 Гц

Переохлаждение жидкости 5K

Перегрев всасываемого газа 10K

Условия работы, которые не требуют масляного охлаждения

Условия работы, требующие дополнительного охлаждения (см. Пределы применения)

Характеристики-SW3L /(с экономайзером), хладагент R404A / R507

| SW-3-L3000(R404A) |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Tc                | 20   |      | 30   |      | 35   |      | 40   |      | 45   |      | 50   |      |  |
| Te                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -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 | 24.5 | 45.1 | 26.6 | 41.1 | 28.9 | 36.9 | 31.4 |  |
| -15               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 46.2 | 33.1 |  |

| SW-3-L4000(R404A) |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Tc                | 20   |      | 30   |      | 35   |      | 40   |      | 45   |      | 50   |      |  |
| Te                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -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               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 62   | 41.4 |  |

| SW-3-L5000(R404A) |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Tc                | 20   |      | 30   |      | 35   |      | 40   |      | 45   |      | 50   |      |  |
| Te                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -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 | 28.5 | 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               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 72.4 | 47.1 |  |

| SW-3-L6000(R404A) |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Tc                | 20   |      | 30   |      | 35   |      | 40   |      | 45   |      | 50   |      |  |
| Te                | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -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  | 34.6 | 94.9 | 39.5 | 88.4 | 42.3 | 81.6 | 45.4 | 74.3 | 49   | 66.6 | 53   |  |
| -15               | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 83.4 | 56.4 |  |

| SW-3-L7000(R404A) |       |      |       |      |       |      |      |      |      |      |      |      |  |
|-------------------|-------|------|-------|------|-------|------|------|------|------|------|------|------|--|
| Tc                | 20    |      | 30    |      | 35    |      | 40   |      | 45   |      | 50   |      |  |
| Te                | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -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               | -     | -    | -     | -    | -     | -    | -    | -    | -    | -    | 96.5 | 65.5 |  |

| SW-3-L3000(R404A) / с экономайзером |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Tc                                  | 20   |      | 30   |      | 35   |      | 40   |      | 45   |      | 50   |      |  |
| Te                                  | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   | Pf   | Pa   |  |
| -50                                 | 18.3 | 16.9 | 16.9 | 21.7 | 16   | 24.7 | -    | -    | -    | -    | -    | -    |  |
| -40                                 | 30.5 | 17.4 | 28.8 | 22   | 27.8 | 24.9 | 26.5 | 28.2 | 24.9 | 31.9 | 23   | 36.2 |  |
| -35                                 | 38.1 | 17.8 | 36.2 | 22.4 | 34.9 | 25.2 | 33.4 | 28.5 | 31.6 | 32.2 | 29.5 | 36.4 |  |
| -30                                 | 46.8 | 18.3 | 44.6 | 22.8 | 43.2 | 25.7 | 41.5 | 29   | 39.4 | 32.7 | 37   | 36.9 |  |
| -25                                 | 56.7 | 19.1 | 54.2 | 23.5 | 52.6 | 26.3 | 50.6 | 29.5 | 48.3 | 33.3 | 45.5 | 37.5 |  |
| -20                                 | 67.9 | 20   | 65   | 24.3 | 63.2 | 27.1 | 61   | 30.3 | 58.4 | 34   | 55.3 | 38.2 |  |
| -15                                 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 66.5 | 39.1 |  |

Характеристики-SW3L /(с экономайзером), хладагент R404A / R507

| SW-3-L8000(R404A) |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 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  | 44.5 | -     | -    | -     | -    | -     | -    |
| -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               | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 116.4 | 78.7 |

| SW-3-L9500(R404A) |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 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  | 61.8 | 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               | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 129.4 | 87.3 |

| SW-3-L10500(R404A) |       |      |       |      |       |      |       |      |       |      |       |      |
|--------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 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 | 84.5  | 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                | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 137.5 | 93.4 |

| SW-3-L11500(R404A) |       |      |       |      |       |      |       |      |       |      |       |       |
|--------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
| 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                | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 156.2 | 103.5 |

| SW-3-L13000(R404A) |       |      |       |      |       |      |       |      |       |      |       |       |
|--------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
| 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 | 82.7 | 171.9 | 92.4 | 155.9 | 100  | 139.4 | 108.6 |
| -15                | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 174.7 | 114.5 |

| SW-3-L8000(R404A) / с экономайзером |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc                                  | 20    | 30   | 35    | 40   | 45    | 50   |       |      |       |      |       |      |
| Te                                  | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -50                                 | 43.7  | 36.5 | 40.5  | 45.5 | 38.6  | 51   | -     | -    | -     | -    | -     | -    |
| -40                                 | 73.3  | 39.5 | 69    | 48   | 66.3  | 53.2 | 63.1  | 59.2 | 59.2  | 66.2 | 54.4  | 74.5 |
| -35                                 | 91.8  | 41.2 | 86.7  | 49.7 | 83.5  | 54.9 | 79.6  | 60.9 | 74.9  | 67.8 | 69.3  | 76   |
| -30                                 | 113.2 | 42.9 | 107.1 | 51.7 | 103.3 | 57   | 98.7  | 63   | 93.2  | 70   | 86.6  | 78.1 |
| -25                                 | 137.6 | 44.8 | 130.4 | 53.8 | 126   | 59.2 | 120.7 | 65.4 | 114.3 | 72.4 | 106.8 | 80.6 |
| -20                                 | 165.1 | 46.7 | 156.9 | 56.1 | 151.8 | 61.6 | 145.8 | 68   | 138.5 | 75.2 | 130   | 83.5 |
| -15                                 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 156.5 | 86.6 |

| SW-3-L9500(R404A) / с экономайзером |       |      |       |      |       |      |       |      |       |      |       |      |
|-------------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc                                  | 20    | 30   | 35    | 40   | 45    | 50   |       |      |       |      |       |      |
| Te                                  | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -50                                 | 48.1  | 39.9 | 44.5  | 49.7 | 42.4  | 55.8 | -     | -    | -     | -    | -     | -    |
| -40                                 | 80.5  | 43.1 | 75.7  | 52.4 | 72.8  | 58   | 69.2  | 64.6 | 64.9  | 72.3 | 59.6  | 81.5 |
| -35                                 | 100.8 | 44.9 | 95.1  | 54.2 | 91.5  | 59.9 | 87.3  | 66.5 | 82.1  | 74.1 | 75.9  | 83   |
| -30                                 | 124.1 | 46.8 | 117.4 | 56.3 | 113.2 | 62.1 | 108.2 | 68.7 | 102.1 | 76.3 | 94.8  | 85.2 |
| -25                                 | 150.8 | 48.9 | 142.9 | 58.6 | 138   | 64.5 | 132.2 | 71.2 | 125.2 | 78.9 | 116.8 | 87.9 |
| -20                                 | 180.8 | 51   | 171.8 | 61.1 | 166.2 | 67.1 | 159.5 | 74   | 151.6 | 81.8 | 142.2 | 90.9 |
| -15                                 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 171   | 94.2 |

| SW-3-L10500(R404A) / с экономайзером |       |      |       |      |       |      |       |      |       |      |       |      |
|--------------------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Tc                                   | 20    | 30   | 35    | 40   | 45    | 50   |       |      |       |      |       |      |
| Te                                   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   |
| -50                                  | 50.7  | 42.2 | 47    | 52.7 | 44.8  | 59.2 | -     | -    | -     | -    | -     | -    |
| -40                                  | 84.8  | 45.6 | 79.8  | 55.5 | 76.7  | 61.5 | 73    | 68.6 | 68.5  | 76.9 | 63    | 86.7 |
| -35                                  | 106.1 | 47.5 | 100.1 | 57.4 | 96.4  | 63.4 | 92    | 70.4 | 86.6  | 78.6 | 80.1  | 88.2 |
| -30                                  | 130.5 | 49.5 | 123.5 | 59.6 | 119.4 | 65.6 | 113.9 | 72.7 | 107.6 | 80.8 | 100   | 90.4 |
| -25                                  | 158.4 | 51.7 | 150.2 | 61.9 | 145.1 | 68.1 | 139   | 75.2 | 131.7 | 83.5 | 123   | 93   |
| -20                                  | 189.7 | 53.9 | 180.4 | 64.5 | 174.5 | 70.8 | 167.6 | 78.1 | 159.3 | 86.4 | 149.5 | 96.1 |
| -15                                  | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | 179.6 | 99.5 |

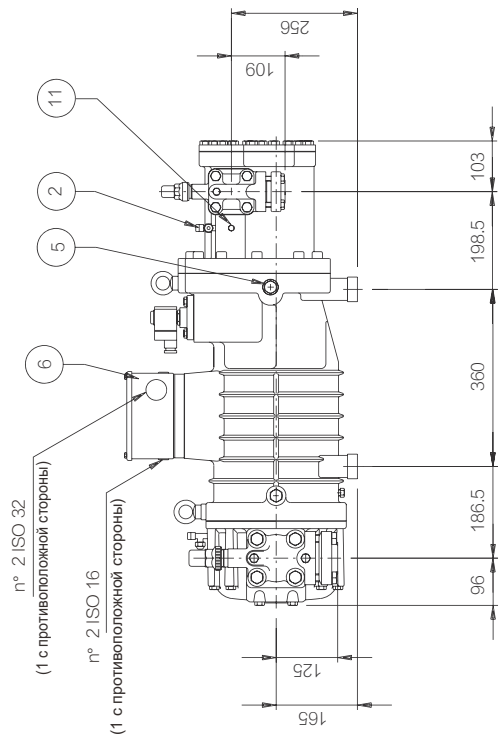
| SW-3-L11500(R404A) / с экономайзером |       |      |       |      |       |      |       |      |       |       |       |       |
|--------------------------------------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|
| Tc                                   | 20    | 30   | 35    | 40   | 45    | 50   |       |      |       |       |       |       |
| Te                                   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    |
| -50                                  | 66.2  | 52.6 | 61    | 68.1 | 57.5  | 77.3 | -     | -    | -     | -     | -     | -     |
| -40                                  | 107.1 | 54.5 | 101.2 | 69.8 | 97.3  | 78.9 | 92.6  | 89.4 | 86.8  | 101.6 | 79.8  | 116.2 |
| -35                                  | 132.4 | 55.6 | 125.7 | 70.6 | 121.4 | 79.5 | 116.2 | 90.2 | 109.9 | 102.3 | 102.3 | 116.7 |
| -30                                  | 161.3 | 57   | 153.7 | 71.8 | 148.8 | 80.8 | 143   | 91.1 | 136.1 | 103.2 | 127.8 | 117.4 |
| -25                                  | 194   | 58.8 | 185.3 | 73.2 | 179.8 | 82.1 | 173.4 | 92.4 | 165.8 | 104.4 | 156.7 | 118.5 |
| -20                                  | 230.6 | 61.3 | 220.8 | 75.2 | 214.7 | 83.9 | 207.5 | 94.1 | 199.2 | 106   | 189.4 | 119.9 |
| -15                                  | -     | -    | -     | -    | -     | -    | -     | -    | -     | -     | 226   | 121.9 |

| SW-3-L13000(R404A) / с экономайзером |       |      |       |      |       |      |       |       |       |       |       |       |
|--------------------------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| Tc                                   | 20    | 30   | 35    | 40   | 45    | 50   |       |       |       |       |       |       |
| Te                                   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa   | Pf    | Pa    | Pf    | Pa    | Pf    | Pa    |
| -50                                  | 73.4  | 57.6 | 67.4  | 74.3 | 63.5  | 84.2 | -     | -     | -     | -     | -     | -     |
| -40                                  | 118.8 | 59.8 | 112   | 76.2 | 107.6 | 86.1 | 102.2 | 97.3  | 95.7  | 110.3 | 87.8  | 125.8 |
| -35                                  | 146.9 | 61   | 139.3 | 77.3 | 134.3 | 87.1 | 128.3 | 98.3  | 121.2 | 111.3 | 112.6 | 126.5 |
| -30                                  | 179.1 | 62.6 | 170.3 | 78.6 | 164.7 | 88.3 | 158   | 99.4  | 150.1 | 112.4 | 140.7 | 127.5 |
| -25                                  | 215.5 | 64.6 | 205.4 | 80.3 | 199.1 | 89.8 | 191.7 | 100.9 | 183   | 113.8 | 172.7 | 128.8 |
| -20                                  | 256.2 | 67.4 | 244.8 | 82.5 | 237.8 | 91.9 | 229.6 | 102.9 | 220   | 115.6 | 208.8 | 130.6 |
| -15                                  | -     | -    | -     | -    | -     | -    | -     | -     | -     | -     | 249.3 | 132.8 |

Характеристики-SW3L /(с экономайзером), хладагент R404A / R507

| SW-3-L16000(R404A) |       |      |       |      |       |      |       |       |       |       |       |       |
|--------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| 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    | 103.3 |
| -35                | 135.6 | 65.1 | 117.3 | 77   | 107.5 | 83.7 | 97.1  | 91    | 86.2  | 99.1  | 74.6  | 108.1 |
| -30                | 172   | 69.1 | 149.6 | 81.1 | 137.7 | 87.9 | 125.2 | 95.4  | 112.2 | 103.8 | 98.4  | 113.1 |
| -25                | 215.3 | 73.8 | 188.2 | 85.8 | 173.8 | 92.6 | 158.9 | 100.3 | 143.3 | 108.9 | 127   | 118.5 |
| -20                | 266.3 | 79.5 | 233.8 | 91.3 | 216.7 | 98.2 | 199   | 105.9 | 180.6 | 114.7 | 161.3 | 124.5 |
| -15                | -     | -    | -     | -    | -     | -    | -     | -     | -     | -     | 202.2 | 131.3 |

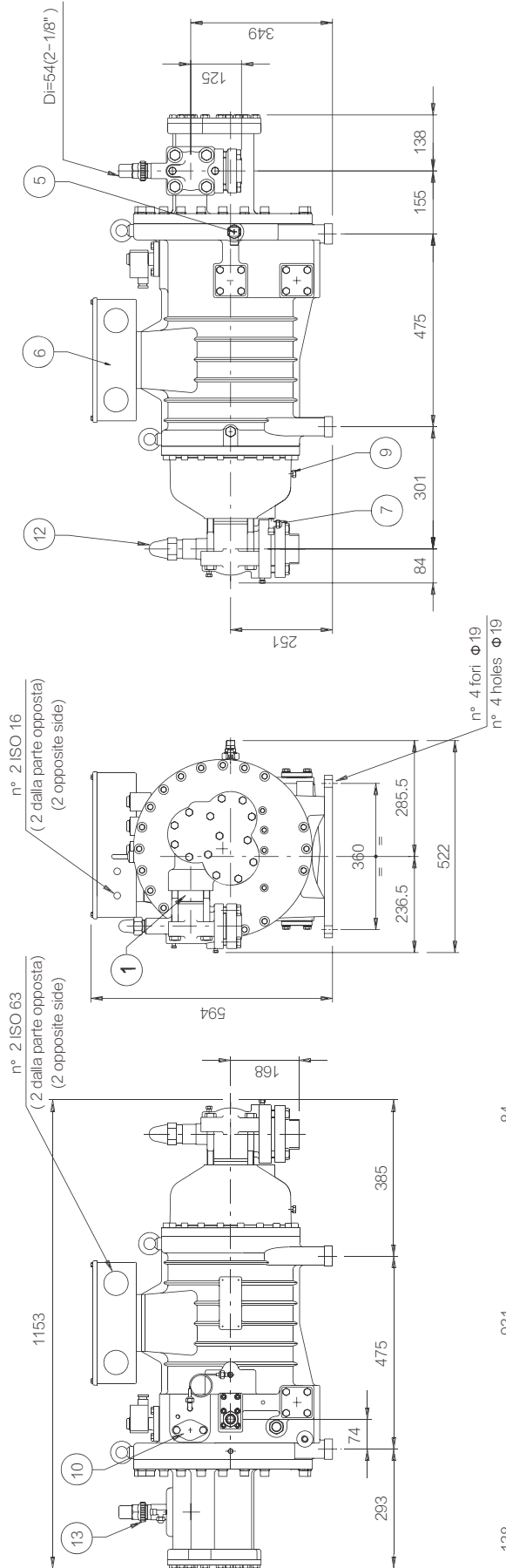
SW3H 4000\_5000\_6000  
SW3L 3000\_4000\_5000



Technical drawing of the 3000 Series Hydraulic Power Unit. The drawing shows the front view of the unit with various dimensions and callouts. The dimensions are: 222 (top width), 96 (top height), 745 (main body height), 103 (bottom height), 153 (bottom width), and 337 (right side height). The callouts are: 1 (bottom left), 7 (top left), 12 (top left), 8 (middle left), 13 (bottom left), and 222 (top width). The text "DI=54(2-1/8") is also present.

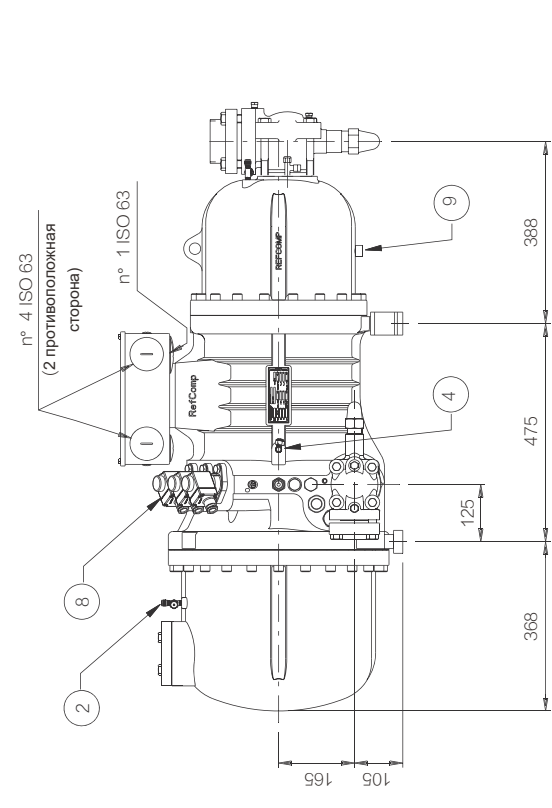
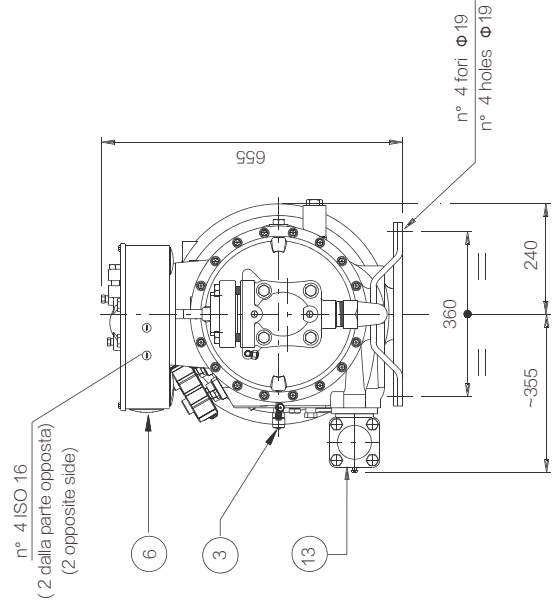
|    |                                                                 |
|----|-----------------------------------------------------------------|
| 1  | Обратный клапан                                                 |
| 2  | Газ высокого давления 1/4 "SAE-FLARE                            |
| 3  | Соединения масляного радиатора                                  |
| 4  | Давление масла 1/4 "SAE- FLARE                                  |
| 5  | Впрыск жидкости Ф0,63 "I экономайзер Ф0,866" (опция)            |
| 6  | Электрическая коробка                                           |
| 7  | Газ низкого давления 1/4 "SAE-FLARE                             |
| 8  | Электромагнитные клапаны для работы с частичной нагрузкой       |
| 9  | Слив масла 1/4 " . 18NPT                                        |
| 10 | Соединение с эл.клапанами (без возможности регулир. прокаудит.) |
| 11 | Датчик температуры нагнетания 1 / 8NPT Всасывающий              |
| 12 | Запорный клапан                                                 |
| 13 | Выпускной запорный клапан                                       |

SW3H 7500\_9000  
SW3L 6000\_7000



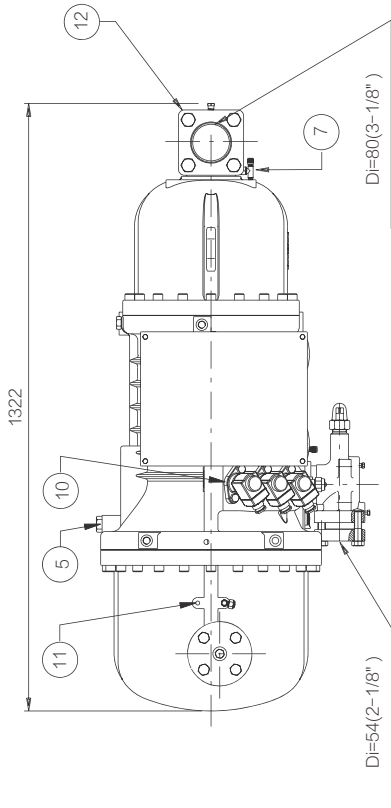
|    |                                                                 |
|----|-----------------------------------------------------------------|
| 1  | Обратный клапан                                                 |
| 2  | Газ высокого давления 1/4 "SAE-FLARE                            |
| 3  | Соединения масляного радиатора                                  |
| 4  | Давление масла 1/4 "SAE- FLARE                                  |
| 5  | Впрыск жидкости Ф0,63 "I экономайзер Ф0,866" (опция)            |
| 6  | Электрическая коробка                                           |
| 7  | Газ низкого давления 1/4 "SAE-FLARE                             |
| 8  | Электромагнитные клапаны для работы с частичной нагрузкой       |
| 9  | Слив масла 1/4 " - 18NPT                                        |
| 10 | Соединение с эл.клапанами (без возможности регулир. прокаудит.) |
| 11 | Датчик температуры нагнетания 1 / 8NPT Всасывающий              |
| 12 | Запорный клапан                                                 |
| 13 | Выпускной запорный клапан                                       |

SW3H 10500\_11500\_12500  
SW3L 8000\_9500\_10500

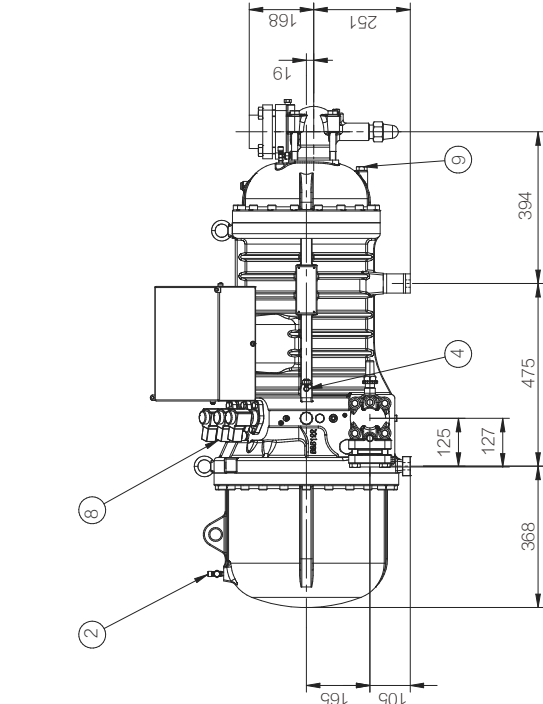
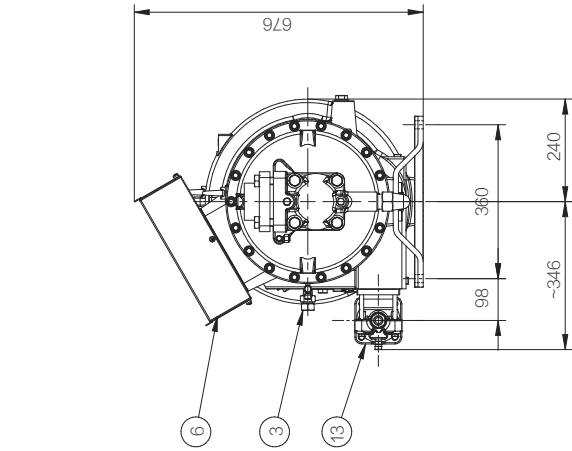
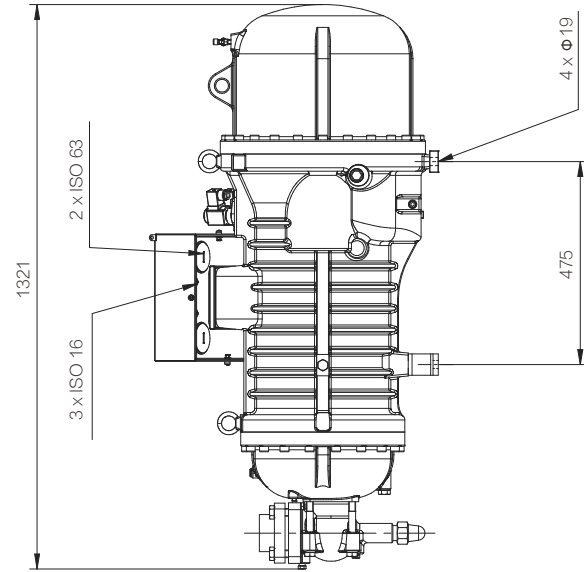


ОБОЗНАЧЕНИЯ

|    |                                                                  |
|----|------------------------------------------------------------------|
| 1  | Обратный клапан                                                  |
| 2  | Газ высокого давления 1/4 "SAE-FLARE                             |
| 3  | Соединения масляного радиатора 5/8 "                             |
| 4  | Давление масла 1/4 "SAE- FLARE                                   |
| 5  | Впрыск жидкости Ø0,63 "J экономайзер Ø0,866" (опция)             |
| 6  | Электрическая коробка                                            |
| 7  | Газ низкого давления 1/4 "SAE-FLARE                              |
| 8  | Электромагнитные клапаны для работы с частичной нагрузкой        |
| 9  | Слив масла 1/4 "- .18NPT                                         |
| 10 | Соединение с эл.клапанами (без возможности регулир. производит.) |
| 11 | Датчик температуры нагнетания 1 / 8NPT                           |
| 12 | Всасывающий запорный клапан                                      |
| 13 | Выпускной клапан                                                 |

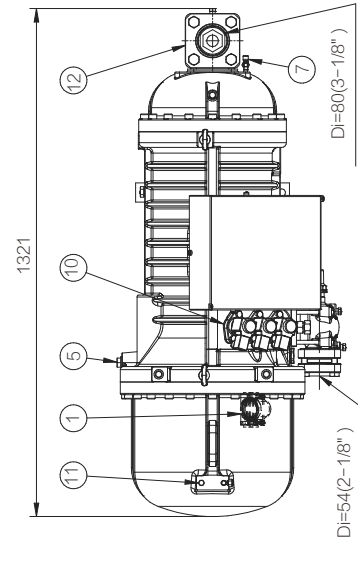


SW3H 10500  
SW3L 8000\_9500 (Удлиненная Версия)

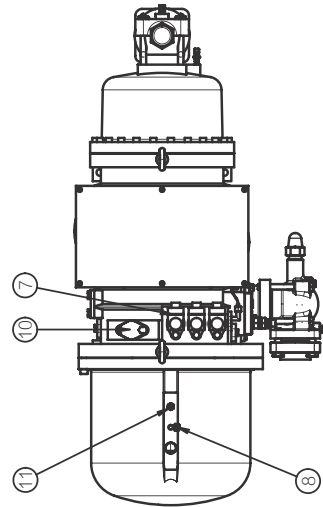
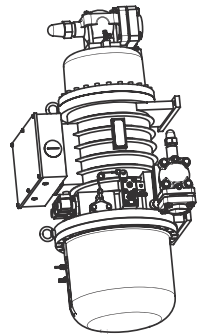
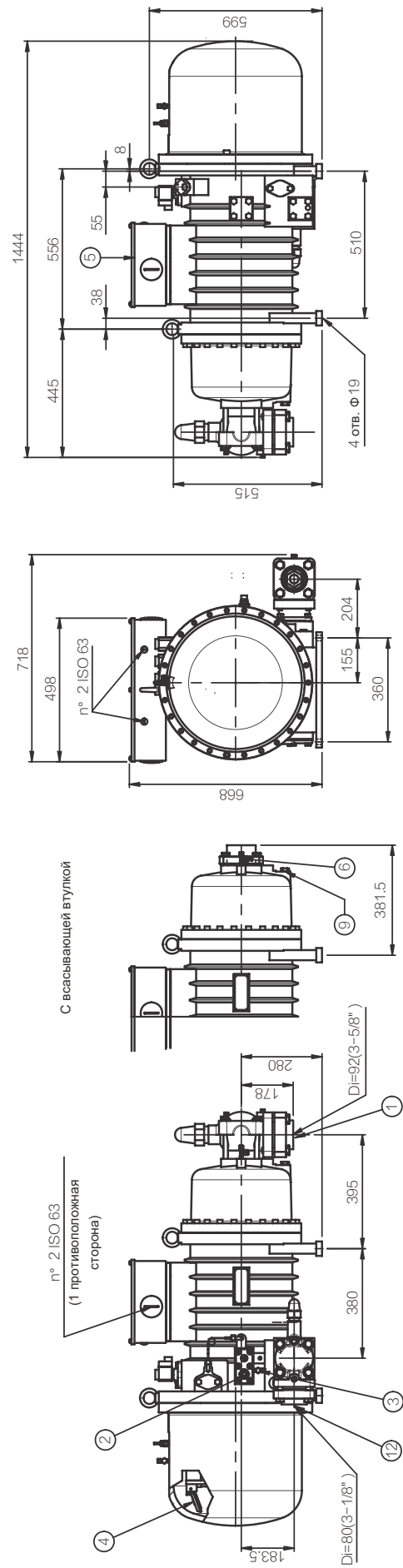


ОБОЗНАЧЕНИЯ

|    |                                                                  |
|----|------------------------------------------------------------------|
| 1  | Обратный клапан                                                  |
| 2  | Газ высокого давления 1/4 "SAE-FLARE                             |
| 3  | Соединения масляного радиатора 5/8 "                             |
| 4  | Давление масла 1/4 "SAE- FLARE                                   |
| 5  | Впрыск жидкости Ф16 "J экономайзер Ф22" (опция)                  |
| 6  | Электрическая коробка                                            |
| 7  | Газ низкого давления 1/4 "SAE-FLARE                              |
| 8  | Электромагнитные клапаны для работы с частичной нагрузкой        |
| 9  | Слив масла 1/4 "- .18NPT                                         |
| 10 | Соединение с эл.клапанами (без возможности регулир. производит.) |
| 11 | Датчик температуры нагнетания 1 / 8NPT                           |
| 12 | Всасывающий запорный клапан (опция)                              |
| 13 | Выпускной клапан                                                 |



SW3H 14000\_16000\_19000  
SW3L 11500\_13000\_16000

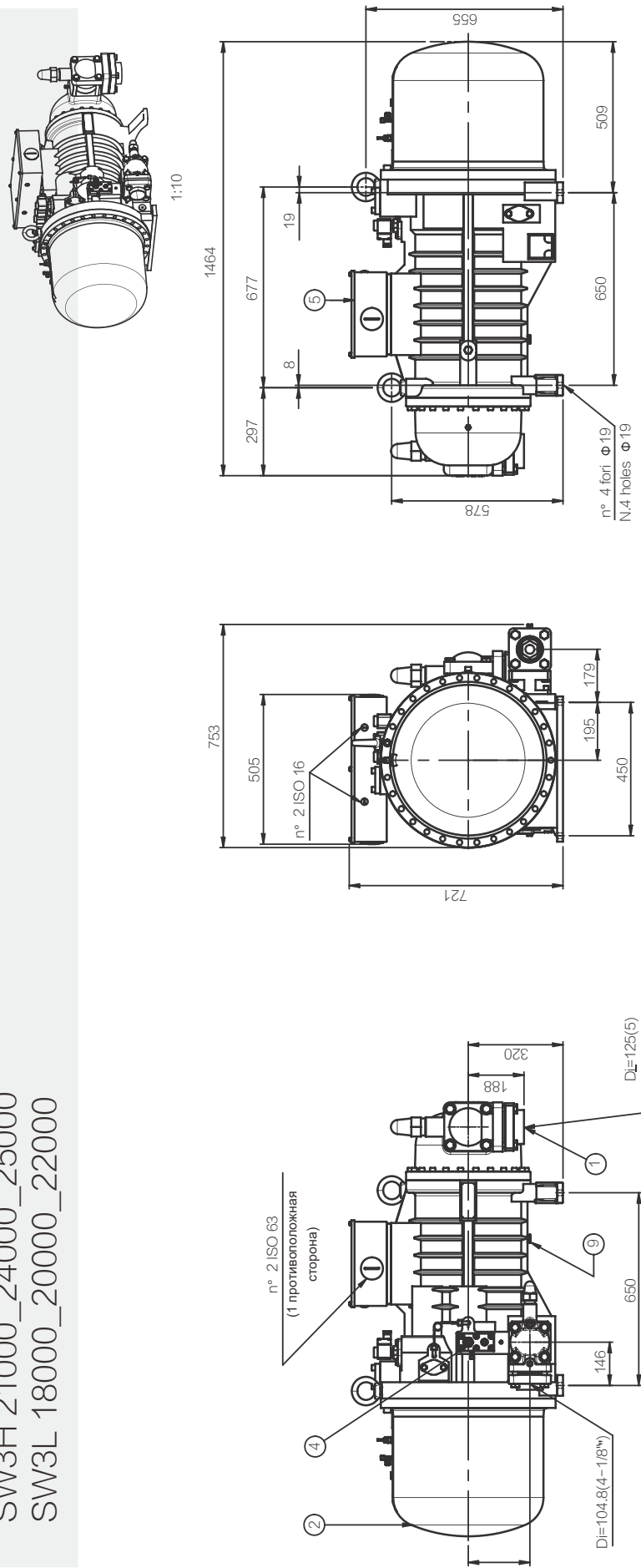


ОБОЗНАЧЕНИЯ

|    |                                                                              |
|----|------------------------------------------------------------------------------|
| 1  | Всасывающее соединение                                                       |
| 2  | Соединения маслопровода 5/8"                                                 |
| 3  | Давление масла 1/4"SAE- FLARE                                                |
| 4  | Обратный клапан                                                              |
| 5  | Электрическая коробка                                                        |
| 6  | Газ низкого давления 1/4"SAE-FLARE                                           |
| 7  | Электромагнитные клапаны для работы с частичной нагрузкой.                   |
| 8  | Газ высокого давления 1/4"SAE-FLARE                                          |
| 9  | Слив масла M14                                                               |
| 10 | Соединение для впрыска жидкости Ф28 / запорный клапан Esopotiser Ф42 (опция) |
| 11 | Датчик температуры нагнетания 1 / 8NPT (опция)                               |
| 12 | Соединение нагнетания                                                        |

| Возможное соединение |                |
|----------------------|----------------|
| Ф = всасывание       | Ф = нагнетание |
| 67 (2-5/8")          | 54 (2-1/8")    |
| 76 (2-1/2")          | 67 (2-5/8")    |
| 80 (3-1/8")          | 76 (2-1/2")    |
| 89 (3-1/2")          | 80 (3-1/8")    |
| 92 (3-5/8")          |                |

SW3H 21000\_24000\_25000  
SW3L 18000\_20000\_22000



ОБОЗНАЧЕНИЯ

|    |                                                                              |
|----|------------------------------------------------------------------------------|
| 1  | Всасывающее соединение                                                       |
| 2  | Соединения маслопровода 5/8"                                                 |
| 3  | Давление масла 1/4"SAE- FLARE                                                |
| 4  | Обратный клапан                                                              |
| 5  | Электрическая коробка                                                        |
| 6  | Газ низкого давления 1/4"SAE-FLARE                                           |
| 7  | Электромагнитные клапаны для работы с частичной нагрузкой.                   |
| 8  | Газ высокого давления 1/4"SAE-FLARE                                          |
| 9  | Корпус двигателя слива масла M14                                             |
| 10 | Соединение для впрыска жидкости Ф28 / запорный клапан Esopotiser Ф42 (опция) |
| 11 | Датчик температуры нагнетания 1 / 8NPT (опция)                               |
| 12 | Соединение нагнетания                                                        |

| Возможное соединение |                |
|----------------------|----------------|
| Ф = всасывание       | Ф = нагнетание |
| 77 ( --- )           | 54 (2-1/8")    |
| 80 (3-1/8")          | 67 (2-5/8")    |
| 89 (3-1/2")          | 76 (2-1/2")    |
| 92 (3-5/8")          | 80 (3-1/8")    |
| 105 (4-1/8")         |                |
| 108 (4-1/4")         |                |

