

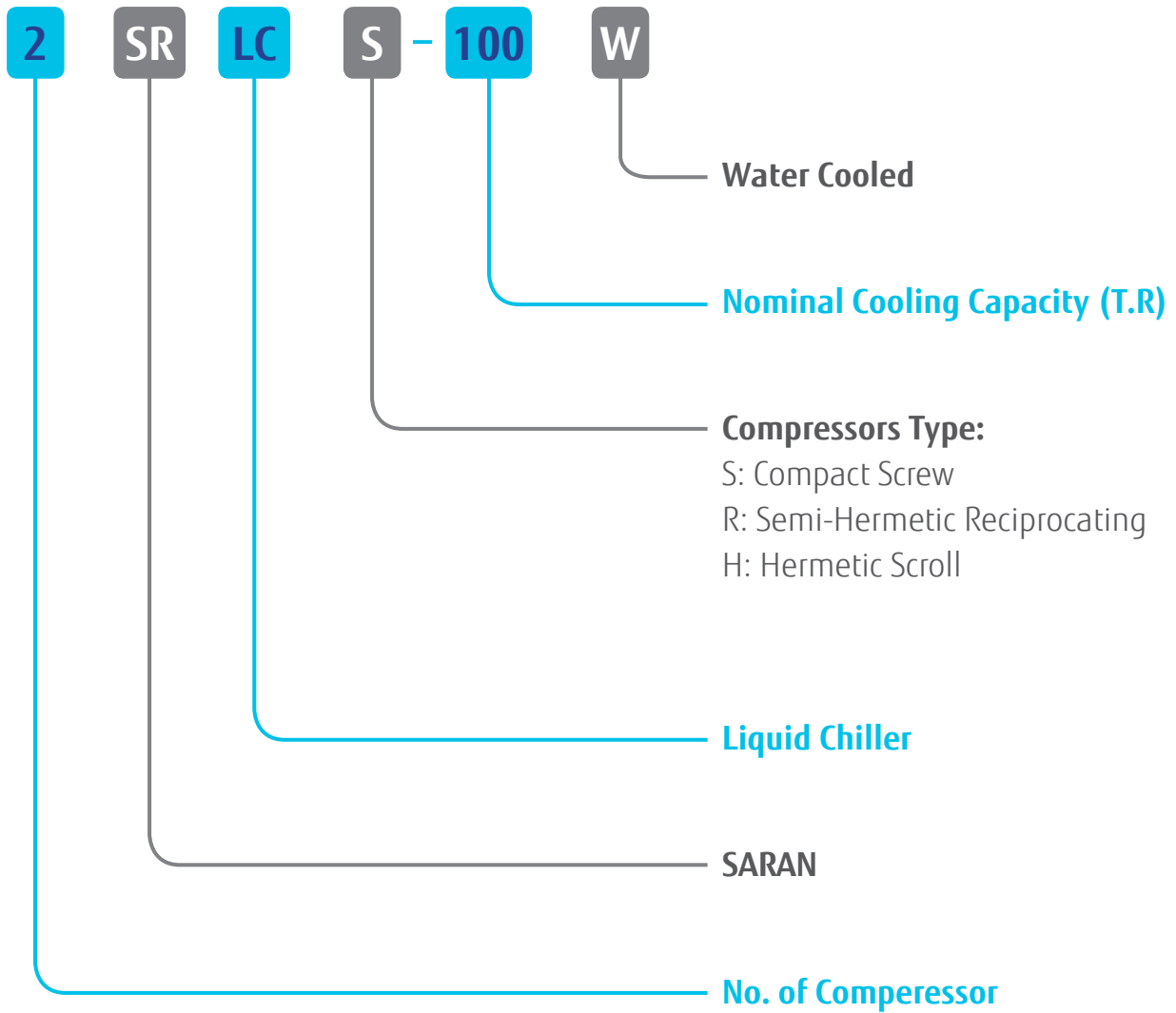
AIR CONDITIONING MFG.GROUP

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NOMENCLATURE





Introduction

Saran water-cooled chillers are the premium solution for commercial and industrial applications where installers, consultants and building owner require optimal performances and maximum quality.

Saran water-cooled chillers are available in the capacity range of 5 to 720 tons of refrigeration in one to four independent refrigerant circuits (For capacities upper than 560 TR please send your inquiry to Saran MFG group). All components of Saran water-cooled chillers selected from reliable and famous international brands or designed and constructed base on international air-conditioning equipment's standards.

Main Features

Compressor

Saran water-cooled chillers available with screw, reciprocating or scroll type compressor, so these units not only cover wide range of cooling capacities and applications, but also can achieved special features base on selected compressor.

Evaporator

The evaporators of all units are designed and constructed base on the TEMA and ASME-Section VII code, respectively. The enhanced surface tubes use in all shell and tube evaporator to achieve much more compact and efficient units.

Condenser

The condenser is a cleanable thru-tube type with steel shell, copper tubes, removable water heads, and includes integral sub cooling. The shell will be constructed and tested in accordance with section VII of the ASME pressure-vessel code. The condenser is equipped with relief valves and sized sufficiently to hold the total refrigerant charge on pump down operation.

Refrigerant

Saran water-cooled chillers can be design to operate with R-22, R-407C and R-134a refrigerants, in one to four independent refrigerant circuits.

Safety Protection

For more efficiency and safe operation of the units, Saran water-cooled chillers equipped with various safety and operating controls such as, high and low pressure cutout, oil level control, water anti freeze thermostat, water flow switch, evaporator entering water thermostat, compressor operation time logger, three phase controller, circuit breakers and fault detection system. (Microprocessor based PLC controller is also available upon request). All above-mentioned equipment selected from the most recognized controls manufactures in the air conditioning industry.

General

Cooling capacity of Saran water-cooled chiller models presented in the "Performance Data" tables; cover the most frequently encountered leaving water temperatures.

The water-cooled chillers are rated over a range of evaporator leaving water temperatures of 42°F to 46°F and condenser leaving water temperatures of 85°F to 105°F.

To select a Saran water-cooled chiller, the following information is required:

- 1- Design system load (Btu/h)
- 2- Design evaporator leaving water temperature (°F)
- 3- Design evaporator water range (°F)
- 4- Design condenser leaving water temperature (°F)
- 5- Design condenser water range (°F)
- 6- Evaporator fouling factor (h.ft².°F /Btu)
- 7- Condenser fouling factor (h.ft².°F /Btu)

Chilled Water Flow and Range:

Required cooling capacity and the desired chilled water range are two important factors in determining the amount of water to be circulate in the evaporator. The following formula used for determining chilled water flow:

$$\text{Evaporator Water Flow (GPM)} = \frac{24 \times \text{Cooling Capacity (TR)}}{\text{Evaporator Water Range (°F)}}$$

Also, the amount of water to be circulate in the condenser can be determine with following formula:

$$\text{Condenser Water Flow (GPM)} = \frac{24 \times \text{Condenser Total Heat Rejection (TR)}}{\text{Condenser Water Range (°F)}}$$

Performance tables in this catalogue are based on a 10°F temperature drop through the evaporator and condenser. In other conditions please using following correction factors for performance data:

Table 1: Chilled Water Range Correction Factors

| | Water Range (°F) | Capacity Multiplier | Power Multiplier |
|------------|------------------|---------------------|------------------|
| Evaporator | 6 | 0.992 | 0.995 |
| | 8 | 0.995 | 0.997 |
| | 10 | 1.000 | 1.000 |
| | 12 | 1.005 | 1.002 |
| | 14 | 1.010 | 1.005 |
| | 16 | 1.014 | 1.007 |
| Condenser | 6 | 1.003 | 0.997 |
| | 8 | 1.002 | 0.999 |
| | 10 | 1.000 | 1 |
| | 12 | 0.984 | 1.012 |
| | 14 | 0.976 | 1.029 |
| | 16 | 0.968 | 1.052 |

Fouling factor

The cooling capacity of the water-cooled chillers in this catalogue permit a fouling factor of 0.0001 h.ft².°F/Btu for evaporator and 0.00025 h.ft².°F/Btu for condenser (ARI Standard 550/590-98). In other conditions please using following correction factors for performance data:



Table 2: Fouling Factor Correction Factors

| | Fouling factor (h.ft ² .°F /Btu) | Capacity Multiplier | Power Multiplier |
|------------|---|---------------------|------------------|
| Evaporator | 0.00010 | 1.000 | 1.000 |
| | 0.00025 | 0.992 | 0.997 |
| | 0.00050 | 0.978 | 0.990 |
| | 0.00075 | 0.965 | 0.984 |
| | 0.00100 | 0.951 | 0.978 |
| Condenser | 0.00025 | 1.000 | 1.000 |
| | 0.00050 | 0.987 | 1.021 |
| | 0.00075 | 0.980 | 1.038 |
| | 0.00100 | 0.965 | 1.064 |
| | 0.00200 | 0.910 | 1.092 |

Condenser Head Pressure Control

For proper operation of a water-cooled chiller, it is necessary to maintain a condenser leaving water temperature upper than 85°F. As a result, a method of condenser head pressure control, including cooling tower fan controlling via thermostat or condenser water flow control via a water-regulating valve shall be employed in cases where the condenser leaving water temperature can drop to lower than 85°F.

Standard condition

Saran water-cooled chiller rating data presented in the "Performance Data" tables indicate capacity of the chiller at the following condition:

- Evaporator and condenser water range: 10°F
- Condenser leaving water temperature: 95°F
- Evaporator fouling factor: 0.0001 h.ft².°F/Btu
- Condenser fouling factor: 0.00025 h.ft².°F/Btu

For other condition, performance adjustment factors shall be attend in unit selection base on following formula:

$$\text{Actual cooling capacity (MBH)} = C1 \times C2 \times C3 \times C4 \times C5 \times QE;$$

$$\text{Actual compressor power input (kW)} = C1 \times C2 \times C3 \times C4 \times C5 \times WC;$$

$$\text{Actual condenser total heat rejection (MBH)} = C5 \times QC;$$

- QE: Cooling capacity in performance data tables (Table - 4,6,8)
- WC: Compressor power input in performance data tables (Table - 4,6,8)
- THR: Condenser total heat rejection in performance data tables (Table - 4,6,8)
- C1: Evaporator water range correction factor (Table-1)
- C2: Condenser water range correction factor (Table-1)
- C3: Evaporator fouling factor correction factor (Table-2)
- C4: Condenser fouling factor correction factor (Table-2)
- C5: Condenser leaving water temperature correction factor (Table-5,7,9)



Selection Example

Given:

Chilled Water Flow Rate = 450 GPM
 Evaporator and condenser water range = 10°F
 Evaporator leaving water temperature = 44°F
 Condenser leaving water temperature = 105°F
 Evaporator fouling factor = 0.0001 h.ft².°F/Btu
 Condenser fouling factor = 0.00025 h.ft².°F/Btu
 Refrigerant = R22
 Compressor type = Screw

Solution:

Step 1: Cooling capacity calculation

To calculate the required cooling capacity we use the following formula:
 Cooling Capacity (TR) = Chilled Water Flow (GPM) x Chilled Water Range (°F) / 24;
 So in this problem, our required cooling capacity is 187.5 TR (2250 MBH);

Step 2: Water-cooled chiller model selection

By referring to the performance data table of water-cooled chiller (Screw – R22), we can see cooling capacity of 2SRLCS-250W in evaporator / condenser leaving water temperature of 44°F / 95°F is 2425MBH. So we select this unit in first step and in the next step, we will check its final performance in the given condition.

Step 3: Calculating selected unit real capacity in the given condition

By referring to correction factor table of water-cooled chiller (Screw – R22), we can see performance correction factor of selected unit for cooling capacity, compressor power input and condenser total heat rejection in condenser leaving water temperature of 105°F is 0.9289, 1.1008 and 0.9586, respectively. So we have

Cooling capacity = 2425 * 0.9289 = 2252.6 MBH
 Compressor power input = 164.5 * 1.1008 = 181.1 kW
 Condenser total heat rejection = 2930 * 0.9586 = 2808.7 MBH

So cooling capacity of 2SRLCS-250W satisfy our requirements and our selection in previous step is correct.

Step 4: Condenser Water Flow Calculation

To calculate the condenser water flow rate, we can use the following formula:

$$\text{Condenser Water Flow (GPM)} = \frac{24 \times \text{Condenser Total Heat Rejection (TR)}}{\text{Condenser Water Range (°F)}}$$

So in this problem, the amount of water to be circulate in the condenser is 561.7 GPM.

Step 5: Evaporator and Condenser Pressure Drop

To estimate pressure drop of selected water-cooled chiller, by referring to 2SRLCS-250W pressure drop graph, we can see evaporator and condenser pressure drop of selected unit is 32.8 and 6.1 foot of water respectively.



Performance Data

Table 3a: Performance Data (Scroll Compressor) - R22

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | |
| 1SRLCH-5W | 49 | 3.3 | 60 | 50 | 3.3 | 61 | 51 | 3.3 | 62 | 52 | 3.3 | 63 | 53 | 3.3 | 64 |
| 1SRLCH-7.5W | 79 | 5.0 | 95 | 80 | 5.0 | 97 | 82 | 5.0 | 98 | 84 | 5.0 | 100 | 85 | 5.0 | 102 |
| 1SRLCH-10W | 105 | 6.6 | 126 | 107 | 6.6 | 128 | 109 | 6.6 | 130 | 111 | 6.6 | 132 | 113 | 6.6 | 134 |
| 1SRLCH-15W | 152 | 10.0 | 186 | 155 | 10.0 | 189 | 158 | 10.0 | 192 | 162 | 10.0 | 196 | 165 | 10.0 | 199 |
| 1SRLCH-20W | 206 | 13.9 | 253 | 210 | 13.9 | 257 | 214 | 13.9 | 262 | 219 | 14.0 | 266 | 223 | 14.0 | 271 |
| 1SRLCH-25W | 264 | 17.4 | 323 | 269 | 17.5 | 329 | 275 | 17.5 | 335 | 281 | 17.6 | 341 | 286 | 17.7 | 347 |
| 1SRLCH-30W | 317 | 21.0 | 389 | 233 | 21.0 | 395 | 330 | 21.1 | 402 | 336 | 21.1 | 408 | 343 | 21.2 | 415 |
| 2SRLCH-10W | 98 | 6.6 | 119 | 100 | 6.6 | 121 | 102 | 6.6 | 124 | 104 | 6.6 | 126 | 106 | 6.6 | 128 |
| 2SRLCH-15W | 157 | 10.0 | 190 | 161 | 10.0 | 193 | 164 | 10.0 | 196 | 167 | 10.0 | 200 | 171 | 10.0 | 203 |
| 2SRLCH-20W | 209 | 13.1 | 252 | 213 | 13.2 | 256 | 217 | 13.2 | 260 | 221 | 13.2 | 264 | 226 | 13.2 | 268 |
| 2SRLCH-30W | 304 | 20.0 | 372 | 310 | 20.0 | 379 | 317 | 20.0 | 385 | 323 | 20.0 | 391 | 329 | 20.1 | 398 |
| 2SRLCH-40W | 412 | 27.7 | 506 | 420 | 27.8 | 515 | 428 | 27.8 | 523 | 437 | 27.9 | 532 | 446 | 28.0 | 541 |
| 2SRLCH-50W | 528 | 34.9 | 647 | 539 | 35.0 | 658 | 550 | 35.1 | 670 | 561 | 35.2 | 681 | 573 | 35.3 | 693 |
| 2SRLCH-60W | 635 | 41.9 | 778 | 465 | 42.0 | 790 | 660 | 42.1 | 804 | 673 | 42.2 | 817 | 686 | 42.3 | 830 |
| 3SRLCH-60W | 618 | 41.6 | 760 | 630 | 41.7 | 772 | 643 | 41.8 | 785 | 656 | 41.9 | 798 | 668 | 41.9 | 812 |
| 3SRLCH-75W | 792 | 52.3 | 970 | 808 | 52.4 | 987 | 825 | 52.6 | 1004 | 842 | 52.8 | 1022 | 859 | 53.0 | 1040 |
| 3SRLCH-90W | 952 | 62.9 | 1166 | 698 | 63.0 | 1186 | 990 | 63.2 | 1205 | 1009 | 63.4 | 1225 | 1029 | 63.5 | 1246 |
| 4SRLCH-60W | 608 | 39.9 | 744 | 620 | 40.0 | 757 | 633 | 40.0 | 770 | 646 | 40.1 | 783 | 659 | 40.1 | 796 |
| 4SRLCH-80W | 824 | 55.4 | 1013 | 840 | 55.6 | 1030 | 857 | 55.7 | 1047 | 874 | 55.8 | 1064 | 891 | 55.9 | 1082 |
| 4SRLCH-100W | 1056 | 69.7 | 1293 | 1078 | 69.9 | 1316 | 1100 | 70.2 | 1339 | 1122 | 70.4 | 1362 | 1145 | 70.6 | 1386 |
| 4SRLCH-120W | 1269 | 83.8 | 1555 | 930 | 84.0 | 1581 | 1320 | 84.2 | 1607 | 1346 | 84.5 | 1634 | 1372 | 84.7 | 1661 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V, 3φ, 50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.



Performance Data (Cont.)

Table 3b: Performance Correction Factors (Scroll Compressor) - R22

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCH-5W | 1.0524 | 0.8945 | 1.0253 | 1.0262 | 0.9473 | 1.0126 | 1.0000 | 1.0000 | 1.0000 | 0.9716 | 1.0591 | 0.9866 | 0.9432 | 1.1182 | 0.9731 |
| 1SRLCH-7.5W | 1.0496 | 0.8920 | 1.0236 | 1.0248 | 0.9460 | 1.0118 | 1.0000 | 1.0000 | 1.0000 | 0.9734 | 1.0620 | 0.9880 | 0.9468 | 1.1240 | 0.9760 |
| 1SRLCH-10W | 1.0497 | 0.8874 | 1.0230 | 1.0249 | 0.9437 | 1.0115 | 1.0000 | 1.0000 | 1.0000 | 0.9745 | 1.0642 | 0.9904 | 0.9490 | 1.1284 | 0.9808 |
| 1SRLCH-15W | 1.0476 | 0.8933 | 1.0201 | 1.0238 | 0.9466 | 1.0101 | 1.0000 | 1.0000 | 1.0000 | 0.9755 | 1.0591 | 0.9903 | 0.9510 | 1.1181 | 0.9806 |
| 1SRLCH-20W | 1.0487 | 0.9030 | 1.0221 | 1.0244 | 0.9515 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9741 | 1.0536 | 0.9886 | 0.9483 | 1.1072 | 0.9772 |
| 1SRLCH-25W | 1.0511 | 0.9104 | 1.0260 | 1.0256 | 0.9552 | 1.0130 | 1.0000 | 1.0000 | 1.0000 | 0.9729 | 1.0510 | 0.9869 | 0.9457 | 1.1019 | 0.9739 |
| 1SRLCH-30W | 1.0473 | 0.9087 | 1.0224 | 1.0236 | 0.9543 | 1.0112 | 1.0000 | 1.0000 | 1.0000 | 0.9749 | 1.0517 | 0.9886 | 0.9497 | 1.1033 | 0.9772 |
| 2SRLCH-10W | 1.0524 | 0.8945 | 1.0253 | 1.0262 | 0.9473 | 1.0126 | 1.0000 | 1.0000 | 1.0000 | 0.9716 | 1.0591 | 0.9866 | 0.9432 | 1.1182 | 0.9731 |
| 2SRLCH-15W | 1.0496 | 0.8920 | 1.0236 | 1.0248 | 0.9460 | 1.0118 | 1.0000 | 1.0000 | 1.0000 | 0.9734 | 1.0620 | 0.9880 | 0.9468 | 1.1240 | 0.9760 |
| 2SRLCH-20W | 1.0497 | 0.8874 | 1.0230 | 1.0249 | 0.9437 | 1.0115 | 1.0000 | 1.0000 | 1.0000 | 0.9745 | 1.0642 | 0.9904 | 0.9490 | 1.1284 | 0.9808 |
| 2SRLCH-30W | 1.0476 | 0.8933 | 1.0201 | 1.0238 | 0.9466 | 1.0101 | 1.0000 | 1.0000 | 1.0000 | 0.9755 | 1.0591 | 0.9903 | 0.9510 | 1.1181 | 0.9806 |
| 2SRLCH-40W | 1.0487 | 0.9030 | 1.0221 | 1.0244 | 0.9515 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9741 | 1.0536 | 0.9886 | 0.9483 | 1.1072 | 0.9772 |
| 2SRLCH-50W | 1.0511 | 0.9104 | 1.0260 | 1.0256 | 0.9552 | 1.0130 | 1.0000 | 1.0000 | 1.0000 | 0.9729 | 1.0510 | 0.9869 | 0.9457 | 1.1019 | 0.9739 |
| 2SRLCH-60W | 1.0473 | 0.9087 | 1.0224 | 1.0236 | 0.9543 | 1.0112 | 1.0000 | 1.0000 | 1.0000 | 0.9749 | 1.0517 | 0.9886 | 0.9497 | 1.1033 | 0.9772 |
| 3SRLCH-60W | 1.0487 | 0.9030 | 1.0221 | 1.0244 | 0.9515 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9741 | 1.0536 | 0.9886 | 0.9483 | 1.1072 | 0.9772 |
| 3SRLCH-75W | 1.0511 | 0.9104 | 1.0260 | 1.0256 | 0.9552 | 1.0130 | 1.0000 | 1.0000 | 1.0000 | 0.9729 | 1.0510 | 0.9869 | 0.9457 | 1.1019 | 0.9739 |
| 3SRLCH-90W | 1.0473 | 0.9087 | 1.0224 | 1.0236 | 0.9543 | 1.0112 | 1.0000 | 1.0000 | 1.0000 | 0.9749 | 1.0517 | 0.9886 | 0.9497 | 1.1033 | 0.9772 |
| 4SRLCH-60W | 1.0476 | 0.8933 | 1.0201 | 1.0238 | 0.9466 | 1.0101 | 1.0000 | 1.0000 | 1.0000 | 0.9755 | 1.0591 | 0.9903 | 0.9510 | 1.1181 | 0.9806 |
| 4SRLCH-80W | 1.0487 | 0.9030 | 1.0221 | 1.0244 | 0.9515 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9741 | 1.0536 | 0.9886 | 0.9483 | 1.1072 | 0.9772 |
| 4SRLCH-100W | 1.0511 | 0.9104 | 1.0260 | 1.0256 | 0.9552 | 1.0130 | 1.0000 | 1.0000 | 1.0000 | 0.9729 | 1.0510 | 0.9869 | 0.9457 | 1.1019 | 0.9739 |
| 4SRLCH-120W | 1.0473 | 0.9087 | 1.0224 | 1.0236 | 0.9543 | 1.0112 | 1.0000 | 1.0000 | 1.0000 | 0.9749 | 1.0517 | 0.9886 | 0.9497 | 1.1033 | 0.9772 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary .
- The above data is subject to change without prior notice.



Performance Data (Cont.)

Table 4a: Performance Data (Scroll Compressor) - R407C

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCH-5W | 48 | 3.2 | 59 | 49 | 3.2 | 60 | 50 | 3.2 | 61 | 51 | 3.2 | 62 | 53 | 3.2 | 63 |
| 1SRLCH-7.5W | 78 | 5.0 | 95 | 80 | 5.0 | 96 | 82 | 5.0 | 98 | 83 | 5.0 | 100 | 85 | 5.0 | 102 |
| 1SRLCH-10W | 103 | 6.5 | 124 | 105 | 6.5 | 126 | 107 | 6.5 | 128 | 110 | 6.5 | 131 | 112 | 6.5 | 133 |
| 1SRLCH-15W | 145 | 10.2 | 180 | 148 | 10.2 | 183 | 151 | 10.2 | 186 | 155 | 10.2 | 189 | 158 | 10.2 | 193 |
| 1SRLCH-20W | 201 | 13.8 | 248 | 205 | 13.8 | 252 | 210 | 13.8 | 257 | 214 | 13.8 | 262 | 219 | 13.9 | 266 |
| 1SRLCH-25W | 245 | 16.6 | 302 | 250 | 16.6 | 307 | 255 | 16.7 | 312 | 261 | 16.7 | 318 | 266 | 16.7 | 323 |
| 1SRLCH-30W | 304 | 20.6 | 374 | 311 | 20.6 | 381 | 317 | 20.6 | 388 | 324 | 20.7 | 394 | 331 | 20.7 | 401 |
| 2SRLCH-10W | 97 | 6.4 | 118 | 99 | 6.4 | 120 | 101 | 6.4 | 122 | 103 | 6.4 | 124 | 105 | 6.4 | 126 |
| 2SRLCH-15W | 157 | 10.1 | 189 | 160 | 10.1 | 193 | 163 | 10.1 | 196 | 167 | 10.1 | 199 | 170 | 10.1 | 203 |
| 2SRLCH-20W | 205 | 13.0 | 247 | 210 | 13.0 | 252 | 214 | 13.0 | 256 | 219 | 13.0 | 261 | 223 | 13.0 | 265 |
| 2SRLCH-30W | 290 | 20.3 | 359 | 296 | 20.3 | 365 | 302 | 20.3 | 372 | 309 | 20.4 | 379 | 316 | 20.4 | 385 |
| 2SRLCH-40W | 402 | 27.5 | 496 | 411 | 27.6 | 505 | 420 | 27.6 | 514 | 429 | 27.7 | 523 | 438 | 27.7 | 533 |
| 2SRLCH-50W | 490 | 33.2 | 603 | 500 | 33.3 | 614 | 511 | 33.3 | 624 | 521 | 33.4 | 635 | 532 | 33.5 | 647 |
| 2SRLCH-60W | 608 | 41.1 | 749 | 621 | 41.2 | 762 | 634 | 41.3 | 775 | 648 | 41.3 | 789 | 661 | 41.4 | 802 |
| 3SRLCH-60W | 603 | 41.3 | 744 | 616 | 41.4 | 757 | 629 | 41.4 | 771 | 643 | 41.5 | 785 | 657 | 41.6 | 799 |
| 3SRLCH-75W | 734 | 49.8 | 905 | 750 | 49.9 | 920 | 766 | 50.0 | 937 | 782 | 50.1 | 953 | 799 | 50.2 | 970 |
| 3SRLCH-90W | 912 | 61.7 | 1123 | 932 | 61.8 | 1143 | 951 | 61.9 | 1163 | 971 | 62.0 | 1183 | 992 | 62.1 | 1204 |
| 4SRLCH-60W | 579 | 40.6 | 718 | 592 | 40.7 | 731 | 605 | 40.7 | 744 | 618 | 40.7 | 757 | 632 | 40.7 | 770 |
| 4SRLCH-80W | 804 | 55.1 | 992 | 821 | 55.2 | 1010 | 839 | 55.2 | 1028 | 858 | 55.3 | 1046 | 876 | 55.4 | 1066 |
| 4SRLCH-100W | 979 | 66.4 | 1206 | 1000 | 66.6 | 1227 | 1021 | 66.7 | 1249 | 1043 | 66.8 | 1271 | 1065 | 66.9 | 1293 |
| 4SRLCH-120W | 1216 | 82.3 | 1497 | 1242 | 82.4 | 1524 | 1268 | 82.6 | 1550 | 1295 | 82.7 | 1577 | 1322 | 82.8 | 1605 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V, 3φ, 50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.



Performance Data (Cont.)

Table 4b: Performance Correction Factors (Scroll Compressor) - R407C

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCH-5W | 1.0452 | 0.8773 | 1.0164 | 1.0226 | 0.9386 | 1.0082 | 1.0000 | 1.0000 | 1.0000 | 0.9738 | 1.0717 | 0.9906 | 0.9477 | 1.1433 | 0.9813 |
| 1SRLCH-7.5W | 1.0490 | 0.8827 | 1.0214 | 1.0245 | 0.9414 | 1.0107 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0682 | 0.9875 | 0.9427 | 1.1364 | 0.9749 |
| 1SRLCH-10W | 1.0523 | 0.8891 | 1.0265 | 1.0261 | 0.9446 | 1.0133 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0662 | 0.9859 | 0.9400 | 1.1324 | 0.9719 |
| 1SRLCH-15W | 1.0529 | 0.8891 | 1.0222 | 1.0264 | 0.9446 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0637 | 0.9883 | 0.9421 | 1.1274 | 0.9767 |
| 1SRLCH-20W | 1.0583 | 0.8953 | 1.0282 | 1.0292 | 0.9476 | 1.0141 | 1.0000 | 1.0000 | 1.0000 | 0.9693 | 1.0597 | 0.9858 | 0.9386 | 1.1195 | 0.9716 |
| 1SRLCH-25W | 1.0468 | 0.8789 | 1.0161 | 1.0234 | 0.9395 | 1.0081 | 1.0000 | 1.0000 | 1.0000 | 0.9732 | 1.0652 | 0.9899 | 0.9464 | 1.1304 | 0.9798 |
| 1SRLCH-30W | 1.0539 | 0.8968 | 1.0254 | 1.0270 | 0.9484 | 1.0127 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0592 | 0.9870 | 0.9420 | 1.1184 | 0.9741 |
| 2SRLCH-10W | 1.0452 | 0.8773 | 1.0164 | 1.0226 | 0.9386 | 1.0082 | 1.0000 | 1.0000 | 1.0000 | 0.9738 | 1.0717 | 0.9906 | 0.9477 | 1.1433 | 0.9813 |
| 2SRLCH-15W | 1.0490 | 0.8827 | 1.0214 | 1.0245 | 0.9414 | 1.0107 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0682 | 0.9875 | 0.9427 | 1.1364 | 0.9749 |
| 2SRLCH-20W | 1.0523 | 0.8891 | 1.0265 | 1.0261 | 0.9446 | 1.0133 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0662 | 0.9859 | 0.9400 | 1.1324 | 0.9719 |
| 2SRLCH-30W | 1.0529 | 0.8891 | 1.0222 | 1.0264 | 0.9446 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0637 | 0.9883 | 0.9421 | 1.1274 | 0.9767 |
| 2SRLCH-40W | 1.0583 | 0.8953 | 1.0282 | 1.0292 | 0.9476 | 1.0141 | 1.0000 | 1.0000 | 1.0000 | 0.9693 | 1.0597 | 0.9858 | 0.9386 | 1.1195 | 0.9716 |
| 2SRLCH-50W | 1.0468 | 0.8789 | 1.0161 | 1.0234 | 0.9395 | 1.0081 | 1.0000 | 1.0000 | 1.0000 | 0.9732 | 1.0652 | 0.9899 | 0.9464 | 1.1304 | 0.9798 |
| 2SRLCH-60W | 1.0539 | 0.8968 | 1.0254 | 1.0270 | 0.9484 | 1.0127 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0592 | 0.9870 | 0.9420 | 1.1184 | 0.9741 |
| 3SRLCH-60W | 1.0583 | 0.8953 | 1.0282 | 1.0292 | 0.9476 | 1.0141 | 1.0000 | 1.0000 | 1.0000 | 0.9693 | 1.0597 | 0.9858 | 0.9386 | 1.1195 | 0.9716 |
| 3SRLCH-75W | 1.0468 | 0.8789 | 1.0161 | 1.0234 | 0.9395 | 1.0081 | 1.0000 | 1.0000 | 1.0000 | 0.9732 | 1.0652 | 0.9899 | 0.9464 | 1.1304 | 0.9798 |
| 3SRLCH-90W | 1.0539 | 0.8968 | 1.0254 | 1.0270 | 0.9484 | 1.0127 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0592 | 0.9870 | 0.9420 | 1.1184 | 0.9741 |
| 4SRLCH-60W | 1.0529 | 0.8891 | 1.0222 | 1.0264 | 0.9446 | 1.0111 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0637 | 0.9883 | 0.9421 | 1.1274 | 0.9767 |
| 4SRLCH-80W | 1.0583 | 0.8953 | 1.0282 | 1.0292 | 0.9476 | 1.0141 | 1.0000 | 1.0000 | 1.0000 | 0.9693 | 1.0597 | 0.9858 | 0.9386 | 1.1195 | 0.9716 |
| 4SRLCH-100W | 1.0468 | 0.8789 | 1.0161 | 1.0234 | 0.9395 | 1.0081 | 1.0000 | 1.0000 | 1.0000 | 0.9732 | 1.0652 | 0.9899 | 0.9464 | 1.1304 | 0.9798 |
| 4SRLCH-120W | 1.0539 | 0.8968 | 1.0254 | 1.0270 | 0.9484 | 1.0127 | 1.0000 | 1.0000 | 1.0000 | 0.9710 | 1.0592 | 0.9870 | 0.9420 | 1.1184 | 0.9741 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.



Performance Data (Cont.)

Table 5a: Performance Data (Scroll Compressor) - R134a

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCH-5W | 33 | 2.2 | 41 | 34 | 2.2 | 41 | 35 | 2.2 | 42 | 36 | 2.2 | 43 | 36 | 2.2 | 44 |
| 1SRLCH-7.5W | 51 | 3.5 | 63 | 53 | 3.5 | 64 | 54 | 3.5 | 65 | 55 | 3.5 | 66 | 56 | 3.5 | 67 |
| 1SRLCH-10W | 69 | 4.5 | 83 | 70 | 4.5 | 85 | 72 | 4.5 | 86 | 73 | 4.5 | 88 | 75 | 4.5 | 90 |
| 1SRLCH-15W | 103 | 7.1 | 126 | 105 | 7.1 | 128 | 108 | 7.1 | 131 | 110 | 7.1 | 133 | 113 | 7.1 | 134 |
| 1SRLCH-20W | 134 | 9.7 | 167 | 137 | 9.7 | 170 | 141 | 9.7 | 174 | 144 | 9.7 | 177 | 147 | 9.7 | 180 |
| 1SRLCH-25W | 168 | 12.0 | 208 | 171 | 12.0 | 212 | 175 | 12.0 | 216 | 179 | 12.0 | 220 | 183 | 12.0 | 224 |
| 1SRLCH-30W | 210 | 14.4 | 259 | 215 | 14.4 | 264 | 220 | 14.5 | 269 | 225 | 14.5 | 274 | 230 | 14.5 | 279 |
| 2SRLCH-10W | 67 | 4.4 | 81 | 68 | 4.4 | 82 | 70 | 4.4 | 84 | 71 | 4.5 | 86 | 73 | 4.5 | 87 |
| 2SRLCH-15W | 103 | 6.9 | 125 | 105 | 6.9 | 127 | 107 | 6.9 | 130 | 110 | 6.9 | 132 | 112 | 6.9 | 135 |
| 2SRLCH-20W | 137 | 9.0 | 166 | 140 | 9.0 | 170 | 144 | 9.0 | 173 | 147 | 9.0 | 176 | 150 | 9.0 | 179 |
| 2SRLCH-30W | 206 | 14.2 | 252 | 210 | 14.2 | 256 | 215 | 14.2 | 261 | 220 | 14.2 | 266 | 225 | 14.3 | 267 |
| 2SRLCH-40W | 269 | 19.3 | 335 | 275 | 19.4 | 341 | 281 | 19.4 | 347 | 288 | 19.4 | 354 | 294 | 19.4 | 361 |
| 2SRLCH-50W | 335 | 23.9 | 417 | 343 | 23.9 | 424 | 351 | 24.0 | 432 | 358 | 24.0 | 440 | 367 | 24.0 | 448 |
| 2SRLCH-60W | 421 | 28.8 | 518 | 430 | 28.9 | 529 | 440 | 28.9 | 538 | 449 | 29.0 | 548 | 459 | 29.0 | 558 |
| 3SRLCH-60W | 403 | 29.0 | 502 | 412 | 29.0 | 511 | 422 | 29.1 | 521 | 432 | 29.1 | 531 | 442 | 29.1 | 541 |
| 3SRLCH-75W | 503 | 35.9 | 625 | 514 | 35.9 | 637 | 526 | 35.9 | 648 | 538 | 36.0 | 661 | 550 | 36.0 | 673 |
| 3SRLCH-90W | 631 | 43.3 | 778 | 645 | 43.3 | 793 | 659 | 43.4 | 807 | 674 | 43.4 | 822 | 689 | 43.5 | 837 |
| 4SRLCH-60W | 412 | 28.4 | 504 | 420 | 28.4 | 512 | 430 | 28.4 | 522 | 440 | 28.5 | 532 | 450 | 28.5 | 534 |
| 4SRLCH-80W | 537 | 38.7 | 669 | 550 | 38.7 | 682 | 562 | 38.8 | 695 | 576 | 38.8 | 708 | 589 | 38.8 | 722 |
| 4SRLCH-100W | 670 | 47.8 | 833 | 686 | 47.8 | 849 | 701 | 47.9 | 864 | 717 | 48.0 | 881 | 733 | 48.0 | 897 |
| 4SRLCH-120W | 841 | 57.7 | 1037 | 860 | 57.8 | 1057 | 879 | 57.8 | 1076 | 899 | 57.9 | 1096 | 918 | 58.0 | 1116 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V, 3φ, 50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary .
- The above data is subject to change without prior notice.



Performance Data (Cont.)

Table 5b: Performance Correction Factors (Scroll Compressor) - R134a

| Model | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCH-5W | 1.0551 | 0.8885 | 1.0271 | 1.0276 | 0.9442 | 1.0136 | 1.0000 | 1.0000 | 1.0000 | 0.9721 | 1.0612 | 0.9874 | 0.9443 | 1.1223 | 0.9748 |
| 1SRLCH-7.5W | 1.0533 | 0.8965 | 1.0268 | 1.0266 | 0.9483 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0621 | 0.9846 | 0.9367 | 1.1243 | 0.9692 |
| 1SRLCH-10W | 1.0529 | 0.8972 | 1.0268 | 1.0265 | 0.9486 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9720 | 1.0585 | 0.9868 | 0.9440 | 1.1171 | 0.9736 |
| 1SRLCH-15W | 1.0512 | 0.9044 | 1.0291 | 1.0256 | 0.9522 | 1.0145 | 1.0000 | 1.0000 | 1.0000 | 0.9705 | 1.0572 | 0.9873 | 0.9411 | 1.1144 | 0.9746 |
| 1SRLCH-20W | 1.0590 | 0.9003 | 1.0286 | 1.0295 | 0.9502 | 1.0143 | 1.0000 | 1.0000 | 1.0000 | 0.9708 | 1.0551 | 0.9867 | 0.9416 | 1.1102 | 0.9734 |
| 1SRLCH-25W | 1.0554 | 0.8933 | 1.0249 | 1.0277 | 0.9467 | 1.0124 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0573 | 0.9876 | 0.9425 | 1.1145 | 0.9752 |
| 1SRLCH-30W | 1.0542 | 0.9047 | 1.0269 | 1.0271 | 0.9524 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9719 | 1.0536 | 0.9870 | 0.9439 | 1.1072 | 0.9741 |
| 2SRLCH-10W | 1.0551 | 0.8885 | 1.0271 | 1.0276 | 0.9442 | 1.0136 | 1.0000 | 1.0000 | 1.0000 | 0.9721 | 1.0612 | 0.9874 | 0.9443 | 1.1223 | 0.9748 |
| 2SRLCH-15W | 1.0533 | 0.8965 | 1.0268 | 1.0266 | 0.9483 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0621 | 0.9846 | 0.9367 | 1.1243 | 0.9692 |
| 2SRLCH-20W | 1.0529 | 0.8972 | 1.0268 | 1.0265 | 0.9486 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9720 | 1.0585 | 0.9868 | 0.9440 | 1.1171 | 0.9736 |
| 2SRLCH-30W | 1.0512 | 0.9044 | 1.0291 | 1.0256 | 0.9522 | 1.0145 | 1.0000 | 1.0000 | 1.0000 | 0.9705 | 1.0572 | 0.9873 | 0.9411 | 1.1144 | 0.9746 |
| 2SRLCH-40W | 1.0590 | 0.9003 | 1.0286 | 1.0295 | 0.9502 | 1.0143 | 1.0000 | 1.0000 | 1.0000 | 0.9708 | 1.0551 | 0.9867 | 0.9416 | 1.1102 | 0.9734 |
| 2SRLCH-50W | 1.0554 | 0.8933 | 1.0249 | 1.0277 | 0.9467 | 1.0124 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0573 | 0.9876 | 0.9425 | 1.1145 | 0.9752 |
| 2SRLCH-60W | 1.0542 | 0.9047 | 1.0269 | 1.0271 | 0.9524 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9719 | 1.0536 | 0.9870 | 0.9439 | 1.1072 | 0.9741 |
| 3SRLCH-60W | 1.0590 | 0.9003 | 1.0286 | 1.0295 | 0.9502 | 1.0143 | 1.0000 | 1.0000 | 1.0000 | 0.9708 | 1.0551 | 0.9867 | 0.9416 | 1.1102 | 0.9734 |
| 3SRLCH-75W | 1.0554 | 0.8933 | 1.0249 | 1.0277 | 0.9467 | 1.0124 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0573 | 0.9876 | 0.9425 | 1.1145 | 0.9752 |
| 3SRLCH-90W | 1.0542 | 0.9047 | 1.0269 | 1.0271 | 0.9524 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9719 | 1.0536 | 0.9870 | 0.9439 | 1.1072 | 0.9741 |
| 4SRLCH-60W | 1.0512 | 0.9044 | 1.0291 | 1.0256 | 0.9522 | 1.0145 | 1.0000 | 1.0000 | 1.0000 | 0.9705 | 1.0572 | 0.9873 | 0.9411 | 1.1144 | 0.9746 |
| 4SRLCH-80W | 1.0590 | 0.9003 | 1.0286 | 1.0295 | 0.9502 | 1.0143 | 1.0000 | 1.0000 | 1.0000 | 0.9708 | 1.0551 | 0.9867 | 0.9416 | 1.1102 | 0.9734 |
| 4SRLCH-100W | 1.0554 | 0.8933 | 1.0249 | 1.0277 | 0.9467 | 1.0124 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0573 | 0.9876 | 0.9425 | 1.1145 | 0.9752 |
| 4SRLCH-120W | 1.0542 | 0.9047 | 1.0269 | 1.0271 | 0.9524 | 1.0134 | 1.0000 | 1.0000 | 1.0000 | 0.9719 | 1.0536 | 0.9870 | 0.9439 | 1.1072 | 0.9741 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCR-5W | 55 | 3.9 | 67 | 56 | 3.9 | 68 | 57 | 3.9 | 70 | 58 | 3.9 | 71 | 59 | 3.9 | 72 |
| 1SRLCR-7.5W | 83 | 5.9 | 101 | 84 | 5.9 | 103 | 86 | 5.9 | 105 | 88 | 5.9 | 107 | 90 | 5.9 | 109 |
| 1SRLCR-10W | 110 | 7.4 | 134 | 113 | 7.5 | 137 | 115 | 7.5 | 140 | 118 | 7.5 | 142 | 120 | 7.6 | 145 |
| 1SRLCR-15W | 153 | 10.4 | 187 | 156 | 10.4 | 190 | 160 | 10.5 | 194 | 163 | 10.5 | 197 | 167 | 10.6 | 201 |
| 1SRLCR-20W | 180 | 12.1 | 219 | 184 | 12.2 | 223 | 188 | 12.2 | 227 | 191 | 12.3 | 231 | 196 | 12.3 | 236 |
| 1SRLCR-25W | 238 | 16.2 | 291 | 243 | 16.3 | 296 | 249 | 16.4 | 302 | 254 | 16.4 | 307 | 259 | 16.5 | 313 |
| 1SRLCR-30W | 276 | 18.6 | 336 | 282 | 18.7 | 342 | 287 | 18.8 | 348 | 294 | 18.8 | 355 | 300 | 18.9 | 361 |
| 1SRLCR-35W | 358 | 24.5 | 437 | 365 | 24.6 | 445 | 373 | 24.7 | 453 | 381 | 24.8 | 461 | 389 | 24.9 | 469 |
| 1SRLCR-40W | 410 | 28.0 | 501 | 419 | 28.1 | 510 | 428 | 28.3 | 520 | 437 | 28.4 | 529 | 446 | 28.5 | 538 |
| 1SRLCR-50W | 493 | 34.0 | 603 | 504 | 34.1 | 614 | 514 | 34.2 | 625 | 525 | 34.3 | 637 | 536 | 34.5 | 648 |
| 1SRLCR-60W | 577 | 41.7 | 712 | 589 | 41.9 | 725 | 601 | 42.1 | 737 | 613 | 42.2 | 749 | 625 | 42.4 | 762 |
| 2SRLCR-10W | 109 | 7.8 | 135 | 112 | 7.8 | 137 | 114 | 7.8 | 139 | 116 | 7.9 | 142 | 119 | 7.9 | 144 |
| 2SRLCR-15W | 165 | 11.7 | 203 | 169 | 11.7 | 207 | 172 | 11.8 | 210 | 176 | 11.8 | 214 | 179 | 11.8 | 218 |
| 2SRLCR-20W | 221 | 14.9 | 269 | 226 | 14.9 | 274 | 230 | 15.0 | 279 | 235 | 15.1 | 284 | 240 | 15.1 | 289 |
| 2SRLCR-30W | 306 | 20.8 | 374 | 313 | 20.9 | 381 | 320 | 21.0 | 388 | 326 | 21.1 | 395 | 333 | 21.1 | 402 |
| 2SRLCR-40W | 359 | 24.3 | 438 | 367 | 24.4 | 446 | 375 | 24.5 | 454 | 383 | 24.6 | 463 | 391 | 24.7 | 471 |
| 2SRLCR-50W | 477 | 32.4 | 582 | 487 | 32.6 | 592 | 497 | 32.7 | 603 | 508 | 32.8 | 614 | 518 | 32.9 | 625 |
| 2SRLCR-60W | 551 | 37.3 | 672 | 563 | 37.4 | 684 | 575 | 37.6 | 697 | 587 | 37.7 | 709 | 599 | 37.8 | 722 |
| 2SRLCR-70W | 715 | 49.0 | 874 | 730 | 49.2 | 890 | 746 | 49.4 | 906 | 761 | 49.6 | 922 | 777 | 49.7 | 939 |
| 2SRLCR-80W | 821 | 56.1 | 1003 | 838 | 56.3 | 1021 | 856 | 56.5 | 1039 | 874 | 56.7 | 1058 | 892 | 56.9 | 1077 |
| 2SRLCR-100W | 987 | 67.9 | 1207 | 1008 | 68.2 | 1229 | 1029 | 68.4 | 1251 | 1050 | 68.7 | 1273 | 1072 | 68.9 | 1296 |
| 2SRLCR-120W | 1154 | 83.5 | 1425 | 1178 | 83.8 | 1449 | 1201 | 84.1 | 1474 | 1225 | 84.5 | 1499 | 1249 | 84.7 | 1524 |
| 3SRLCR-60W | 539 | 36.4 | 657 | 551 | 36.6 | 669 | 563 | 36.7 | 682 | 574 | 36.9 | 694 | 587 | 37.0 | 707 |
| 3SRLCR-75W | 715 | 48.7 | 873 | 730 | 48.9 | 889 | 746 | 49.1 | 905 | 761 | 49.2 | 921 | 777 | 49.4 | 938 |
| 3SRLCR-90W | 827 | 55.9 | 1008 | 845 | 56.1 | 1027 | 862 | 56.3 | 1045 | 881 | 56.5 | 1064 | 899 | 56.7 | 1083 |
| 3SRLCR-105W | 1073 | 73.5 | 1311 | 1095 | 73.8 | 1335 | 1119 | 74.1 | 1359 | 1142 | 74.4 | 1383 | 1166 | 74.6 | 1408 |
| 3SRLCR-120W | 1231 | 84.1 | 1504 | 1257 | 84.4 | 1531 | 1284 | 84.8 | 1559 | 1311 | 85.1 | 1587 | 1339 | 85.4 | 1615 |
| 3SRLCR-150W | 1480 | 101.9 | 1810 | 1511 | 102.3 | 1843 | 1543 | 102.7 | 1876 | 1576 | 103.0 | 1910 | 1608 | 103.4 | 1944 |
| 3SRLCR-180W | 1731 | 125.2 | 2137 | 1766 | 125.7 | 2174 | 1802 | 126.2 | 2211 | 1838 | 126.7 | 2248 | 1874 | 127.1 | 2286 |
| 4SRLCR-80W | 719 | 48.6 | 876 | 734 | 48.8 | 892 | 750 | 49.0 | 909 | 766 | 49.2 | 925 | 782 | 49.4 | 942 |
| 4SRLCR-100W | 953 | 64.9 | 1164 | 974 | 65.2 | 1185 | 994 | 65.4 | 1206 | 1015 | 65.7 | 1228 | 1037 | 65.9 | 1250 |
| 4SRLCR-120W | 1103 | 74.6 | 1345 | 1126 | 74.8 | 1369 | 1150 | 75.1 | 1393 | 1174 | 75.4 | 1418 | 1198 | 75.6 | 1444 |
| 4SRLCR-140W | 1430 | 98.0 | 1748 | 1461 | 98.4 | 1779 | 1491 | 98.8 | 1812 | 1523 | 99.1 | 1844 | 1555 | 99.5 | 1877 |
| 4SRLCR-160W | 1642 | 112.1 | 2005 | 1677 | 112.6 | 2042 | 1712 | 113.0 | 2079 | 1748 | 113.4 | 2116 | 1785 | 113.8 | 2154 |
| 4SRLCR-200W | 1973 | 135.8 | 2414 | 2015 | 136.4 | 2457 | 2058 | 136.9 | 2501 | 2101 | 137.4 | 2546 | 2145 | 137.8 | 2591 |
| 4SRLCR-240W | 2308 | 167.0 | 2850 | 2355 | 167.7 | 2898 | 2402 | 168.3 | 2948 | 2450 | 168.9 | 2998 | 2499 | 169.5 | 3048 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condntion (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCR-5W | 1.0718 | 0.9034 | 1.0411 | 1.0356 | 0.9523 | 1.0205 | 1.0000 | 1.0000 | 1.0000 | 0.9649 | 1.0466 | 0.9798 | 0.9304 | 1.0923 | 0.9599 |
| 1SRLCR-7.5W | 1.0697 | 0.8994 | 1.0387 | 1.0346 | 0.9501 | 1.0193 | 1.0000 | 1.0000 | 1.0000 | 0.9659 | 1.0490 | 0.9810 | 0.9324 | 1.0973 | 0.9624 |
| 1SRLCR-10W | 1.0634 | 0.9091 | 1.0366 | 1.0317 | 0.9552 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9684 | 1.0435 | 0.9814 | 0.9368 | 1.0856 | 0.9627 |
| 1SRLCR-15W | 1.0644 | 0.9087 | 1.0371 | 1.0322 | 0.9551 | 1.0187 | 1.0000 | 1.0000 | 1.0000 | 0.9679 | 1.0435 | 0.9811 | 0.9358 | 1.0856 | 0.9621 |
| 1SRLCR-20W | 1.0627 | 0.9072 | 1.0356 | 1.0313 | 0.9542 | 1.0179 | 1.0000 | 1.0000 | 1.0000 | 0.9687 | 1.0445 | 0.9820 | 0.9375 | 1.0878 | 0.9638 |
| 1SRLCR-25W | 1.0610 | 0.9049 | 1.0335 | 1.0305 | 0.9530 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0459 | 0.9830 | 0.9393 | 1.0908 | 0.9659 |
| 1SRLCR-30W | 1.0599 | 0.9039 | 1.0327 | 1.0299 | 0.9524 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9701 | 1.0466 | 0.9835 | 0.9403 | 1.0921 | 0.9668 |
| 1SRLCR-35W | 1.0610 | 0.9028 | 1.0330 | 1.0305 | 0.9519 | 1.0166 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0472 | 0.9833 | 0.9393 | 1.0935 | 0.9665 |
| 1SRLCR-40W | 1.0610 | 0.9055 | 1.0336 | 1.0305 | 0.9532 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0457 | 0.9830 | 0.9393 | 1.0904 | 0.9659 |
| 1SRLCR-50W | 1.0602 | 0.9055 | 1.0328 | 1.0301 | 0.9532 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0459 | 0.9834 | 0.9400 | 1.0908 | 0.9668 |
| 1SRLCR-60W | 1.0594 | 0.9086 | 1.0315 | 1.0298 | 0.9552 | 1.0160 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0434 | 0.9835 | 0.9397 | 1.0857 | 0.9667 |
| 2SRLCR-10W | 1.0718 | 0.9034 | 1.0411 | 1.0356 | 0.9523 | 1.0205 | 1.0000 | 1.0000 | 1.0000 | 0.9649 | 1.0466 | 0.9798 | 0.9304 | 1.0923 | 0.9599 |
| 2SRLCR-15W | 1.0697 | 0.8994 | 1.0387 | 1.0346 | 0.9501 | 1.0193 | 1.0000 | 1.0000 | 1.0000 | 0.9659 | 1.0490 | 0.9810 | 0.9324 | 1.0973 | 0.9624 |
| 2SRLCR-20W | 1.0634 | 0.9091 | 1.0366 | 1.0317 | 0.9552 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9684 | 1.0435 | 0.9814 | 0.9368 | 1.0856 | 0.9627 |
| 2SRLCR-30W | 1.0644 | 0.9087 | 1.0371 | 1.0322 | 0.9551 | 1.0187 | 1.0000 | 1.0000 | 1.0000 | 0.9679 | 1.0435 | 0.9811 | 0.9358 | 1.0856 | 0.9621 |
| 2SRLCR-40W | 1.0627 | 0.9072 | 1.0356 | 1.0313 | 0.9542 | 1.0179 | 1.0000 | 1.0000 | 1.0000 | 0.9687 | 1.0445 | 0.9820 | 0.9375 | 1.0878 | 0.9638 |
| 2SRLCR-50W | 1.0610 | 0.9049 | 1.0335 | 1.0305 | 0.9530 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0459 | 0.9830 | 0.9393 | 1.0908 | 0.9659 |
| 2SRLCR-60W | 1.0599 | 0.9039 | 1.0327 | 1.0299 | 0.9524 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9701 | 1.0466 | 0.9835 | 0.9403 | 1.0921 | 0.9668 |
| 2SRLCR-70W | 1.0610 | 0.9028 | 1.0330 | 1.0305 | 0.9519 | 1.0166 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0472 | 0.9833 | 0.9393 | 1.0935 | 0.9665 |
| 2SRLCR-80W | 1.0610 | 0.9055 | 1.0336 | 1.0305 | 0.9532 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0457 | 0.9830 | 0.9393 | 1.0904 | 0.9659 |
| 2SRLCR-100W | 1.0602 | 0.9055 | 1.0328 | 1.0301 | 0.9532 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0459 | 0.9834 | 0.9400 | 1.0908 | 0.9668 |
| 2SRLCR-120W | 1.0594 | 0.9086 | 1.0315 | 1.0298 | 0.9552 | 1.0160 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0434 | 0.9835 | 0.9397 | 1.0857 | 0.9667 |
| 3SRLCR-60W | 1.0627 | 0.9072 | 1.0356 | 1.0313 | 0.9542 | 1.0179 | 1.0000 | 1.0000 | 1.0000 | 0.9687 | 1.0445 | 0.9820 | 0.9375 | 1.0878 | 0.9638 |
| 3SRLCR-75W | 1.0610 | 0.9049 | 1.0335 | 1.0305 | 0.9530 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0459 | 0.9830 | 0.9393 | 1.0908 | 0.9659 |
| 3SRLCR-90W | 1.0599 | 0.9039 | 1.0327 | 1.0299 | 0.9524 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9701 | 1.0466 | 0.9835 | 0.9403 | 1.0921 | 0.9668 |
| 3SRLCR-105W | 1.0610 | 0.9028 | 1.0330 | 1.0305 | 0.9519 | 1.0166 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0472 | 0.9833 | 0.9393 | 1.0935 | 0.9665 |
| 3SRLCR-120W | 1.0610 | 0.9055 | 1.0336 | 1.0305 | 0.9532 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0457 | 0.9830 | 0.9393 | 1.0904 | 0.9659 |
| 3SRLCR-150W | 1.0602 | 0.9055 | 1.0328 | 1.0301 | 0.9532 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0459 | 0.9834 | 0.9400 | 1.0908 | 0.9668 |
| 3SRLCR-180W | 1.0594 | 0.9086 | 1.0315 | 1.0298 | 0.9552 | 1.0160 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0434 | 0.9835 | 0.9397 | 1.0857 | 0.9667 |
| 4SRLCR-80W | 1.0627 | 0.9072 | 1.0356 | 1.0313 | 0.9542 | 1.0179 | 1.0000 | 1.0000 | 1.0000 | 0.9687 | 1.0445 | 0.9820 | 0.9375 | 1.0878 | 0.9638 |
| 4SRLCR-100W | 1.0610 | 0.9049 | 1.0335 | 1.0305 | 0.9530 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0459 | 0.9830 | 0.9393 | 1.0908 | 0.9659 |
| 4SRLCR-120W | 1.0599 | 0.9039 | 1.0327 | 1.0299 | 0.9524 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9701 | 1.0466 | 0.9835 | 0.9403 | 1.0921 | 0.9668 |
| 4SRLCR-140W | 1.0610 | 0.9028 | 1.0330 | 1.0305 | 0.9519 | 1.0166 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0472 | 0.9833 | 0.9393 | 1.0935 | 0.9665 |
| 4SRLCR-160W | 1.0610 | 0.9055 | 1.0336 | 1.0305 | 0.9532 | 1.0168 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0457 | 0.9830 | 0.9393 | 1.0904 | 0.9659 |
| 4SRLCR-200W | 1.0602 | 0.9055 | 1.0328 | 1.0301 | 0.9532 | 1.0164 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0459 | 0.9834 | 0.9400 | 1.0908 | 0.9668 |
| 4SRLCR-240W | 1.0594 | 0.9086 | 1.0315 | 1.0298 | 0.9552 | 1.0160 | 1.0000 | 1.0000 | 1.0000 | 0.9700 | 1.0434 | 0.9835 | 0.9397 | 1.0857 | 0.9667 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCR-5W | 54 | 3.9 | 66 | 55 | 3.9 | 68 | 56 | 4.0 | 69 | 58 | 4.0 | 71 | 59 | 4.0 | 72 |
| 1SRLCR-7.5W | 81 | 5.8 | 99 | 82 | 5.9 | 102 | 84 | 5.9 | 104 | 86 | 6.0 | 106 | 88 | 6.0 | 108 |
| 1SRLCR-10W | 104 | 7.1 | 127 | 106 | 7.1 | 129 | 109 | 7.1 | 132 | 111 | 7.2 | 134 | 114 | 7.2 | 137 |
| 1SRLCR-15W | 144 | 9.9 | 176 | 147 | 9.9 | 179 | 151 | 10.0 | 183 | 154 | 10.0 | 187 | 158 | 10.1 | 190 |
| 1SRLCR-20W | 169 | 11.6 | 206 | 173 | 11.6 | 211 | 177 | 11.7 | 215 | 181 | 11.7 | 219 | 185 | 11.8 | 223 |
| 1SRLCR-25W | 223 | 15.7 | 274 | 229 | 15.8 | 280 | 234 | 15.9 | 285 | 239 | 16.0 | 291 | 245 | 16.1 | 297 |
| 1SRLCR-30W | 262 | 18.3 | 321 | 268 | 18.4 | 327 | 274 | 18.5 | 334 | 280 | 18.6 | 341 | 287 | 18.7 | 347 |
| 1SRLCR-35W | 324 | 23.3 | 399 | 332 | 23.4 | 407 | 339 | 23.5 | 416 | 347 | 23.7 | 424 | 355 | 23.8 | 432 |
| 1SRLCR-40W | 380 | 27.3 | 468 | 389 | 27.4 | 478 | 398 | 27.6 | 487 | 407 | 27.7 | 497 | 416 | 27.8 | 506 |
| 1SRLCR-50W | 448 | 32.4 | 552 | 458 | 32.5 | 563 | 469 | 32.7 | 575 | 479 | 32.9 | 586 | 490 | 33.1 | 597 |
| 1SRLCR-60W | 554 | 41.2 | 688 | 567 | 41.4 | 701 | 580 | 41.6 | 714 | 593 | 41.8 | 728 | 606 | 42.0 | 742 |
| 2SRLCR-10W | 107 | 7.8 | 133 | 110 | 7.9 | 135 | 113 | 7.9 | 138 | 115 | 8.0 | 141 | 118 | 8.0 | 144 |
| 2SRLCR-15W | 161 | 11.7 | 199 | 165 | 11.8 | 203 | 169 | 11.8 | 207 | 173 | 11.9 | 211 | 177 | 12.0 | 216 |
| 2SRLCR-20W | 207 | 14.2 | 253 | 212 | 14.2 | 258 | 217 | 14.3 | 264 | 222 | 14.4 | 269 | 228 | 14.4 | 274 |
| 2SRLCR-30W | 287 | 19.8 | 351 | 294 | 19.9 | 359 | 301 | 20.0 | 366 | 308 | 20.1 | 373 | 315 | 20.2 | 381 |
| 2SRLCR-40W | 338 | 23.1 | 413 | 346 | 23.2 | 421 | 354 | 23.4 | 430 | 362 | 23.5 | 438 | 371 | 23.6 | 447 |
| 2SRLCR-50W | 447 | 31.4 | 548 | 457 | 31.6 | 560 | 468 | 31.8 | 571 | 479 | 31.9 | 582 | 490 | 32.1 | 594 |
| 2SRLCR-60W | 524 | 36.6 | 642 | 536 | 36.8 | 655 | 548 | 37.0 | 668 | 561 | 37.2 | 681 | 573 | 37.4 | 694 |
| 2SRLCR-70W | 648 | 46.5 | 799 | 663 | 46.8 | 815 | 679 | 47.1 | 831 | 694 | 47.3 | 848 | 710 | 47.6 | 864 |
| 2SRLCR-80W | 760 | 54.6 | 937 | 778 | 54.9 | 955 | 795 | 55.1 | 974 | 813 | 55.4 | 993 | 832 | 55.7 | 1012 |
| 2SRLCR-100W | 895 | 64.7 | 1105 | 916 | 65.1 | 1127 | 937 | 65.4 | 1149 | 959 | 65.8 | 1172 | 981 | 66.1 | 1195 |
| 2SRLCR-120W | 1109 | 82.4 | 1376 | 1134 | 82.8 | 1402 | 1159 | 83.2 | 1429 | 1185 | 83.6 | 1456 | 1211 | 83.9 | 1483 |
| 3SRLCR-60W | 507 | 34.7 | 619 | 519 | 34.9 | 632 | 531 | 35.0 | 645 | 543 | 35.2 | 657 | 556 | 35.4 | 670 |
| 3SRLCR-75W | 670 | 47.1 | 823 | 686 | 47.4 | 839 | 702 | 47.6 | 856 | 718 | 47.9 | 873 | 735 | 48.2 | 891 |
| 3SRLCR-90W | 785 | 54.8 | 963 | 804 | 55.2 | 982 | 822 | 55.5 | 1002 | 841 | 55.8 | 1022 | 860 | 56.0 | 1042 |
| 3SRLCR-105W | 972 | 69.8 | 1198 | 995 | 70.2 | 1222 | 1018 | 70.6 | 1247 | 1041 | 71.0 | 1272 | 1065 | 71.4 | 1297 |
| 3SRLCR-120W | 1140 | 81.8 | 1405 | 1166 | 82.3 | 1433 | 1193 | 82.7 | 1461 | 1220 | 83.1 | 1490 | 1248 | 83.5 | 1518 |
| 3SRLCR-150W | 1343 | 97.1 | 1657 | 1374 | 97.6 | 1690 | 1406 | 98.2 | 1724 | 1438 | 98.7 | 1758 | 1471 | 99.2 | 1792 |
| 3SRLCR-180W | 1663 | 123.6 | 2064 | 1701 | 124.2 | 2103 | 1739 | 124.8 | 2143 | 1778 | 125.3 | 2184 | 1817 | 125.9 | 2225 |
| 4SRLCR-80W | 676 | 46.2 | 826 | 692 | 46.5 | 843 | 708 | 46.7 | 859 | 724 | 46.9 | 877 | 741 | 47.1 | 894 |
| 4SRLCR-100W | 893 | 62.8 | 1097 | 914 | 63.1 | 1119 | 936 | 63.5 | 1142 | 958 | 63.9 | 1165 | 980 | 64.2 | 1188 |
| 4SRLCR-120W | 1047 | 73.1 | 1284 | 1071 | 73.5 | 1310 | 1096 | 74.0 | 1336 | 1121 | 74.3 | 1362 | 1146 | 74.7 | 1389 |
| 4SRLCR-140W | 1296 | 93.1 | 1598 | 1326 | 93.6 | 1630 | 1357 | 94.2 | 1662 | 1388 | 94.7 | 1695 | 1420 | 95.2 | 1729 |
| 4SRLCR-160W | 1520 | 109.1 | 1874 | 1555 | 109.7 | 1911 | 1591 | 110.3 | 1948 | 1627 | 110.8 | 1986 | 1664 | 111.4 | 2025 |
| 4SRLCR-200W | 1790 | 129.4 | 2210 | 1832 | 130.2 | 2254 | 1874 | 130.9 | 2298 | 1917 | 131.6 | 2344 | 1961 | 132.2 | 2390 |
| 4SRLCR-240W | 2218 | 164.8 | 2752 | 2268 | 165.6 | 2804 | 2319 | 166.4 | 2858 | 2370 | 167.1 | 2912 | 2423 | 167.8 | 2967 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V, 3φ, 50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCR-5W | 1.0816 | 0.9175 | 1.0511 | 1.0409 | 0.9598 | 1.0258 | 1.0000 | 1.0000 | 1.0000 | 0.9591 | 1.0379 | 0.9737 | 0.9181 | 1.0735 | 0.9470 |
| 1SRLCR-7.5W | 1.0802 | 0.9145 | 1.0495 | 1.0401 | 0.9583 | 1.0250 | 1.0000 | 1.0000 | 1.0000 | 0.9598 | 1.0396 | 0.9746 | 0.9195 | 1.0771 | 0.9487 |
| 1SRLCR-10W | 1.0781 | 0.9098 | 1.0485 | 1.0392 | 0.9562 | 1.0246 | 1.0000 | 1.0000 | 1.0000 | 0.9604 | 1.0410 | 0.9746 | 0.9204 | 1.0793 | 0.9483 |
| 1SRLCR-15W | 1.0793 | 0.9096 | 1.0493 | 1.0399 | 0.9562 | 1.0251 | 1.0000 | 1.0000 | 1.0000 | 0.9598 | 1.0409 | 0.9741 | 0.9192 | 1.0788 | 0.9474 |
| 1SRLCR-20W | 1.0772 | 0.9078 | 1.0473 | 1.0388 | 0.9552 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9608 | 1.0422 | 0.9752 | 0.9213 | 1.0816 | 0.9496 |
| 1SRLCR-25W | 1.0742 | 0.9121 | 1.0449 | 1.0372 | 0.9570 | 1.0228 | 1.0000 | 1.0000 | 1.0000 | 0.9624 | 1.0410 | 0.9766 | 0.9246 | 1.0799 | 0.9526 |
| 1SRLCR-30W | 1.0709 | 0.9089 | 1.0418 | 1.0356 | 0.9553 | 1.0212 | 1.0000 | 1.0000 | 1.0000 | 0.9641 | 1.0430 | 0.9783 | 0.9280 | 1.0842 | 0.9560 |
| 1SRLCR-35W | 1.0721 | 0.9023 | 1.0409 | 1.0364 | 0.9522 | 1.0209 | 1.0000 | 1.0000 | 1.0000 | 0.9630 | 1.0456 | 0.9782 | 0.9255 | 1.0890 | 0.9555 |
| 1SRLCR-40W | 1.0692 | 0.9016 | 1.0384 | 1.0349 | 0.9517 | 1.0196 | 1.0000 | 1.0000 | 1.0000 | 0.9645 | 1.0464 | 0.9795 | 0.9285 | 1.0908 | 0.9583 |
| 1SRLCR-50W | 1.0712 | 0.9047 | 1.0405 | 1.0359 | 0.9533 | 1.0207 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0446 | 0.9784 | 0.9264 | 1.0870 | 0.9561 |
| 1SRLCR-60W | 1.0728 | 0.9105 | 1.0422 | 1.0365 | 0.9560 | 1.0213 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0425 | 0.9784 | 0.9269 | 1.0836 | 0.9564 |
| 2SRLCR-10W | 1.0816 | 0.9175 | 1.0511 | 1.0409 | 0.9598 | 1.0258 | 1.0000 | 1.0000 | 1.0000 | 0.9591 | 1.0379 | 0.9737 | 0.9181 | 1.0735 | 0.9470 |
| 2SRLCR-15W | 1.0802 | 0.9145 | 1.0495 | 1.0401 | 0.9583 | 1.0250 | 1.0000 | 1.0000 | 1.0000 | 0.9598 | 1.0396 | 0.9746 | 0.9195 | 1.0771 | 0.9487 |
| 2SRLCR-20W | 1.0781 | 0.9098 | 1.0485 | 1.0392 | 0.9562 | 1.0246 | 1.0000 | 1.0000 | 1.0000 | 0.9604 | 1.0410 | 0.9746 | 0.9204 | 1.0793 | 0.9483 |
| 2SRLCR-30W | 1.0793 | 0.9096 | 1.0493 | 1.0399 | 0.9562 | 1.0251 | 1.0000 | 1.0000 | 1.0000 | 0.9598 | 1.0409 | 0.9741 | 0.9192 | 1.0788 | 0.9474 |
| 2SRLCR-40W | 1.0772 | 0.9078 | 1.0473 | 1.0388 | 0.9552 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9608 | 1.0422 | 0.9752 | 0.9213 | 1.0816 | 0.9496 |
| 2SRLCR-50W | 1.0742 | 0.9121 | 1.0449 | 1.0372 | 0.9570 | 1.0228 | 1.0000 | 1.0000 | 1.0000 | 0.9624 | 1.0410 | 0.9766 | 0.9246 | 1.0799 | 0.9526 |
| 2SRLCR-60W | 1.0709 | 0.9089 | 1.0418 | 1.0356 | 0.9553 | 1.0212 | 1.0000 | 1.0000 | 1.0000 | 0.9641 | 1.0430 | 0.9783 | 0.9280 | 1.0842 | 0.9560 |
| 2SRLCR-70W | 1.0721 | 0.9023 | 1.0409 | 1.0364 | 0.9522 | 1.0209 | 1.0000 | 1.0000 | 1.0000 | 0.9630 | 1.0456 | 0.9782 | 0.9255 | 1.0890 | 0.9555 |
| 2SRLCR-80W | 1.0692 | 0.9016 | 1.0384 | 1.0349 | 0.9517 | 1.0196 | 1.0000 | 1.0000 | 1.0000 | 0.9645 | 1.0464 | 0.9795 | 0.9285 | 1.0908 | 0.9583 |
| 2SRLCR-100W | 1.0712 | 0.9047 | 1.0405 | 1.0359 | 0.9533 | 1.0207 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0446 | 0.9784 | 0.9264 | 1.0870 | 0.9561 |
| 2SRLCR-120W | 1.0728 | 0.9105 | 1.0422 | 1.0365 | 0.9560 | 1.0213 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0425 | 0.9784 | 0.9269 | 1.0836 | 0.9564 |
| 3SRLCR-60W | 1.0772 | 0.9078 | 1.0473 | 1.0388 | 0.9552 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9608 | 1.0422 | 0.9752 | 0.9213 | 1.0816 | 0.9496 |
| 3SRLCR-75W | 1.0742 | 0.9121 | 1.0449 | 1.0372 | 0.9570 | 1.0228 | 1.0000 | 1.0000 | 1.0000 | 0.9624 | 1.0410 | 0.9766 | 0.9246 | 1.0799 | 0.9526 |
| 3SRLCR-90W | 1.0709 | 0.9089 | 1.0418 | 1.0356 | 0.9553 | 1.0212 | 1.0000 | 1.0000 | 1.0000 | 0.9641 | 1.0430 | 0.9783 | 0.9280 | 1.0842 | 0.9560 |
| 3SRLCR-105W | 1.0721 | 0.9023 | 1.0409 | 1.0364 | 0.9522 | 1.0209 | 1.0000 | 1.0000 | 1.0000 | 0.9630 | 1.0456 | 0.9782 | 0.9255 | 1.0890 | 0.9555 |
| 3SRLCR-120W | 1.0692 | 0.9016 | 1.0384 | 1.0349 | 0.9517 | 1.0196 | 1.0000 | 1.0000 | 1.0000 | 0.9645 | 1.0464 | 0.9795 | 0.9285 | 1.0908 | 0.9583 |
| 3SRLCR-150W | 1.0712 | 0.9047 | 1.0405 | 1.0359 | 0.9533 | 1.0207 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0446 | 0.9784 | 0.9264 | 1.0870 | 0.9561 |
| 3SRLCR-180W | 1.0728 | 0.9105 | 1.0422 | 1.0365 | 0.9560 | 1.0213 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0425 | 0.9784 | 0.9269 | 1.0836 | 0.9564 |
| 4SRLCR-80W | 1.0772 | 0.9078 | 1.0473 | 1.0388 | 0.9552 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9608 | 1.0422 | 0.9752 | 0.9213 | 1.0816 | 0.9496 |
| 4SRLCR-100W | 1.0742 | 0.9121 | 1.0449 | 1.0372 | 0.9570 | 1.0228 | 1.0000 | 1.0000 | 1.0000 | 0.9624 | 1.0410 | 0.9766 | 0.9246 | 1.0799 | 0.9526 |
| 4SRLCR-120W | 1.0709 | 0.9089 | 1.0418 | 1.0356 | 0.9553 | 1.0212 | 1.0000 | 1.0000 | 1.0000 | 0.9641 | 1.0430 | 0.9783 | 0.9280 | 1.0842 | 0.9560 |
| 4SRLCR-140W | 1.0721 | 0.9023 | 1.0409 | 1.0364 | 0.9522 | 1.0209 | 1.0000 | 1.0000 | 1.0000 | 0.9630 | 1.0456 | 0.9782 | 0.9255 | 1.0890 | 0.9555 |
| 4SRLCR-160W | 1.0692 | 0.9016 | 1.0384 | 1.0349 | 0.9517 | 1.0196 | 1.0000 | 1.0000 | 1.0000 | 0.9645 | 1.0464 | 0.9795 | 0.9285 | 1.0908 | 0.9583 |
| 4SRLCR-200W | 1.0712 | 0.9047 | 1.0405 | 1.0359 | 0.9533 | 1.0207 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0446 | 0.9784 | 0.9264 | 1.0870 | 0.9561 |
| 4SRLCR-240W | 1.0728 | 0.9105 | 1.0422 | 1.0365 | 0.9560 | 1.0213 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0425 | 0.9784 | 0.9269 | 1.0836 | 0.9564 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCR-5W | 55 | 3.9 | 68 | 56 | 3.9 | 69 | 58 | 3.9 | 71 | 59 | 4.0 | 72 | 61 | 4.0 | 74 |
| 1SRLCR-7.5W | 73 | 4.9 | 88 | 74 | 4.9 | 90 | 76 | 4.9 | 92 | 78 | 5.0 | 94 | 80 | 5.0 | 96 |
| 1SRLCR-10W | 101 | 6.6 | 122 | 103 | 6.7 | 125 | 106 | 6.7 | 127 | 108 | 6.8 | 130 | 111 | 6.8 | 133 |
| 1SRLCR-15W | 118 | 7.8 | 144 | 121 | 7.9 | 147 | 124 | 8.0 | 150 | 127 | 8.0 | 153 | 130 | 8.1 | 156 |
| 1SRLCR-20W | 157 | 10.6 | 191 | 160 | 10.6 | 195 | 164 | 10.7 | 199 | 168 | 10.8 | 203 | 172 | 10.8 | 207 |
| 1SRLCR-25W | 177 | 12.3 | 217 | 182 | 12.4 | 222 | 186 | 12.5 | 226 | 190 | 12.6 | 231 | 195 | 12.7 | 236 |
| 1SRLCR-30W | 232 | 15.8 | 283 | 237 | 15.9 | 289 | 243 | 16.0 | 295 | 248 | 16.1 | 301 | 254 | 16.2 | 307 |
| 1SRLCR-35W | 265 | 18.6 | 325 | 271 | 18.7 | 332 | 278 | 18.9 | 339 | 284 | 19.0 | 346 | 291 | 19.1 | 353 |
| 1SRLCR-40W | 319 | 22.5 | 392 | 327 | 22.7 | 400 | 334 | 22.8 | 408 | 342 | 23.0 | 416 | 350 | 23.1 | 425 |
| 1SRLCR-50W | 363 | 27.9 | 453 | 371 | 28.1 | 463 | 380 | 28.4 | 472 | 389 | 28.6 | 481 | 398 | 28.8 | 491 |
| 1SRLCR-60W | 427 | 32.8 | 533 | 437 | 33.1 | 544 | 447 | 33.3 | 555 | 457 | 33.6 | 566 | 467 | 33.8 | 577 |
| 2SRLCR-10W | 110 | 7.8 | 135 | 113 | 7.8 | 138 | 116 | 7.9 | 141 | 119 | 7.9 | 144 | 121 | 8.0 | 147 |
| 2SRLCR-15W | 145 | 9.7 | 177 | 149 | 9.8 | 181 | 152 | 9.9 | 184 | 156 | 9.9 | 188 | 160 | 10.0 | 192 |
| 2SRLCR-20W | 201 | 13.2 | 244 | 206 | 13.3 | 249 | 211 | 13.4 | 255 | 216 | 13.5 | 260 | 222 | 13.6 | 266 |
| 2SRLCR-30W | 237 | 15.7 | 287 | 242 | 15.8 | 294 | 248 | 15.9 | 300 | 254 | 16.0 | 306 | 260 | 16.1 | 313 |
| 2SRLCR-40W | 314 | 21.1 | 382 | 321 | 21.3 | 390 | 328 | 21.4 | 398 | 336 | 21.5 | 406 | 344 | 21.7 | 414 |
| 2SRLCR-50W | 355 | 24.6 | 435 | 363 | 24.8 | 444 | 372 | 25.0 | 453 | 380 | 25.2 | 462 | 389 | 25.3 | 471 |
| 2SRLCR-60W | 463 | 31.6 | 566 | 474 | 31.8 | 577 | 485 | 32.0 | 589 | 497 | 32.2 | 601 | 508 | 32.4 | 613 |
| 2SRLCR-70W | 530 | 37.2 | 651 | 542 | 37.5 | 664 | 555 | 37.7 | 678 | 568 | 38.0 | 691 | 581 | 38.3 | 705 |
| 2SRLCR-80W | 638 | 45.0 | 784 | 653 | 45.3 | 800 | 668 | 45.6 | 816 | 684 | 45.9 | 833 | 699 | 46.2 | 849 |
| 2SRLCR-100W | 726 | 55.9 | 907 | 743 | 56.3 | 925 | 760 | 56.7 | 944 | 778 | 57.1 | 963 | 796 | 57.5 | 982 |
| 2SRLCR-120W | 853 | 65.7 | 1066 | 873 | 66.2 | 1088 | 893 | 66.7 | 1109 | 914 | 67.1 | 1131 | 935 | 67.6 | 1154 |
| 3SRLCR-60W | 470 | 31.7 | 573 | 481 | 31.9 | 585 | 493 | 32.1 | 597 | 504 | 32.3 | 609 | 516 | 32.5 | 621 |
| 3SRLCR-75W | 532 | 36.9 | 652 | 545 | 37.2 | 665 | 557 | 37.5 | 679 | 570 | 37.7 | 693 | 584 | 38.0 | 707 |
| 3SRLCR-90W | 695 | 47.4 | 849 | 711 | 47.8 | 866 | 728 | 48.1 | 884 | 745 | 48.4 | 902 | 762 | 48.7 | 920 |
| 3SRLCR-105W | 795 | 55.8 | 976 | 814 | 56.2 | 996 | 833 | 56.6 | 1016 | 852 | 57.0 | 1037 | 872 | 57.4 | 1058 |
| 3SRLCR-120W | 957 | 67.5 | 1176 | 980 | 68.0 | 1200 | 1002 | 68.4 | 1224 | 1025 | 68.9 | 1249 | 1049 | 69.3 | 1274 |
| 3SRLCR-150W | 1088 | 83.8 | 1360 | 1114 | 84.4 | 1388 | 1140 | 85.1 | 1416 | 1166 | 85.7 | 1444 | 1193 | 86.3 | 1473 |
| 3SRLCR-180W | 1280 | 98.5 | 1599 | 1310 | 99.3 | 1632 | 1340 | 100.0 | 1664 | 1371 | 100.7 | 1697 | 1402 | 101.4 | 1731 |
| 4SRLCR-80W | 627 | 42.3 | 764 | 642 | 42.5 | 780 | 657 | 42.8 | 796 | 672 | 43.1 | 812 | 687 | 43.3 | 828 |
| 4SRLCR-100W | 710 | 49.2 | 869 | 726 | 49.6 | 887 | 743 | 50.0 | 905 | 761 | 50.3 | 924 | 778 | 50.7 | 942 |
| 4SRLCR-120W | 926 | 63.2 | 1131 | 948 | 63.7 | 1155 | 971 | 64.1 | 1178 | 994 | 64.5 | 1203 | 1017 | 64.9 | 1227 |
| 4SRLCR-140W | 1060 | 74.4 | 1301 | 1085 | 74.9 | 1328 | 1110 | 75.5 | 1355 | 1136 | 76.0 | 1383 | 1162 | 76.6 | 1411 |
| 4SRLCR-160W | 1276 | 90.0 | 1568 | 1306 | 90.6 | 1600 | 1336 | 91.3 | 1632 | 1367 | 91.9 | 1665 | 1399 | 92.5 | 1698 |
| 4SRLCR-200W | 1451 | 111.7 | 1813 | 1485 | 112.6 | 1850 | 1520 | 113.4 | 1888 | 1555 | 114.3 | 1926 | 1591 | 115.1 | 1964 |
| 4SRLCR-240W | 1707 | 131.3 | 2133 | 1746 | 132.3 | 2175 | 1787 | 133.3 | 2219 | 1828 | 134.3 | 2263 | 1869 | 135.2 | 2308 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCR-5W | 1.0762 | 0.9108 | 1.0463 | 1.0381 | 0.9565 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9618 | 1.0414 | 0.9762 | 0.9235 | 1.0806 | 0.9519 |
| 1SRLCR-7.5W | 1.0812 | 0.9098 | 1.0515 | 1.0407 | 0.9560 | 1.0261 | 1.0000 | 1.0000 | 1.0000 | 0.9590 | 1.0416 | 0.9734 | 0.9180 | 1.0808 | 0.9462 |
| 1SRLCR-10W | 1.0828 | 0.9168 | 1.0544 | 1.0415 | 0.9596 | 1.0275 | 1.0000 | 1.0000 | 1.0000 | 0.9582 | 1.0381 | 0.9719 | 0.9164 | 1.0737 | 0.9432 |
| 1SRLCR-15W | 1.0800 | 0.9166 | 1.0519 | 1.0402 | 0.9594 | 1.0263 | 1.0000 | 1.0000 | 1.0000 | 0.9596 | 1.0385 | 0.9732 | 0.9191 | 1.0748 | 0.9459 |
| 1SRLCR-20W | 1.0720 | 0.9127 | 1.0442 | 1.0360 | 0.9571 | 1.0223 | 1.0000 | 1.0000 | 1.0000 | 0.9639 | 1.0413 | 0.9774 | 0.9277 | 1.0811 | 0.9544 |
| 1SRLCR-25W | 1.0744 | 0.9153 | 1.0460 | 1.0376 | 0.9586 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9619 | 1.0393 | 0.9757 | 0.9233 | 1.0766 | 0.9507 |
| 1SRLCR-30W | 1.0719 | 0.9089 | 1.0432 | 1.0361 | 0.9556 | 1.0219 | 1.0000 | 1.0000 | 1.0000 | 0.9637 | 1.0422 | 0.9775 | 0.9271 | 1.0822 | 0.9545 |
| 1SRLCR-35W | 1.0725 | 0.9110 | 1.0433 | 1.0364 | 0.9566 | 1.0220 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0411 | 0.9775 | 0.9268 | 1.0798 | 0.9544 |
| 1SRLCR-40W | 1.0714 | 0.9132 | 1.0427 | 1.0358 | 0.9577 | 1.0216 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0401 | 0.9778 | 0.9279 | 1.0781 | 0.9551 |
| 1SRLCR-50W | 1.0723 | 0.9287 | 1.0443 | 1.0363 | 0.9656 | 1.0225 | 1.0000 | 1.0000 | 1.0000 | 0.9636 | 1.0320 | 0.9769 | 0.9270 | 1.0617 | 0.9532 |
| 1SRLCR-60W | 1.0730 | 0.9274 | 1.0447 | 1.0366 | 0.9649 | 1.0227 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0327 | 0.9767 | 0.9263 | 1.0632 | 0.9529 |
| 2SRLCR-10W | 1.0762 | 0.9108 | 1.0463 | 1.0381 | 0.9565 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9618 | 1.0414 | 0.9762 | 0.9235 | 1.0806 | 0.9519 |
| 2SRLCR-15W | 1.0812 | 0.9098 | 1.0515 | 1.0407 | 0.9560 | 1.0261 | 1.0000 | 1.0000 | 1.0000 | 0.9590 | 1.0416 | 0.9734 | 0.9180 | 1.0808 | 0.9462 |
| 2SRLCR-20W | 1.0828 | 0.9168 | 1.0544 | 1.0415 | 0.9596 | 1.0275 | 1.0000 | 1.0000 | 1.0000 | 0.9582 | 1.0381 | 0.9719 | 0.9164 | 1.0737 | 0.9432 |
| 2SRLCR-30W | 1.0800 | 0.9166 | 1.0519 | 1.0402 | 0.9594 | 1.0263 | 1.0000 | 1.0000 | 1.0000 | 0.9596 | 1.0385 | 0.9732 | 0.9191 | 1.0748 | 0.9459 |
| 2SRLCR-40W | 1.0720 | 0.9127 | 1.0442 | 1.0360 | 0.9571 | 1.0223 | 1.0000 | 1.0000 | 1.0000 | 0.9639 | 1.0413 | 0.9774 | 0.9277 | 1.0811 | 0.9544 |
| 2SRLCR-50W | 1.0744 | 0.9153 | 1.0460 | 1.0376 | 0.9586 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9619 | 1.0393 | 0.9757 | 0.9233 | 1.0766 | 0.9507 |
| 2SRLCR-60W | 1.0719 | 0.9089 | 1.0432 | 1.0361 | 0.9556 | 1.0219 | 1.0000 | 1.0000 | 1.0000 | 0.9637 | 1.0422 | 0.9775 | 0.9271 | 1.0822 | 0.9545 |
| 2SRLCR-70W | 1.0725 | 0.9110 | 1.0433 | 1.0364 | 0.9566 | 1.0220 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0411 | 0.9775 | 0.9268 | 1.0798 | 0.9544 |
| 2SRLCR-80W | 1.0714 | 0.9132 | 1.0427 | 1.0358 | 0.9577 | 1.0216 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0401 | 0.9778 | 0.9279 | 1.0781 | 0.9551 |
| 2SRLCR-100W | 1.0723 | 0.9287 | 1.0443 | 1.0363 | 0.9656 | 1.0225 | 1.0000 | 1.0000 | 1.0000 | 0.9636 | 1.0320 | 0.9769 | 0.9270 | 1.0617 | 0.9532 |
| 2SRLCR-120W | 1.0730 | 0.9274 | 1.0447 | 1.0366 | 0.9649 | 1.0227 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0327 | 0.9767 | 0.9263 | 1.0632 | 0.9529 |
| 3SRLCR-60W | 1.0720 | 0.9127 | 1.0442 | 1.0360 | 0.9571 | 1.0223 | 1.0000 | 1.0000 | 1.0000 | 0.9639 | 1.0413 | 0.9774 | 0.9277 | 1.0811 | 0.9544 |
| 3SRLCR-75W | 1.0744 | 0.9153 | 1.0460 | 1.0376 | 0.9586 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9619 | 1.0393 | 0.9757 | 0.9233 | 1.0766 | 0.9507 |
| 3SRLCR-90W | 1.0719 | 0.9089 | 1.0432 | 1.0361 | 0.9556 | 1.0219 | 1.0000 | 1.0000 | 1.0000 | 0.9637 | 1.0422 | 0.9775 | 0.9271 | 1.0822 | 0.9545 |
| 3SRLCR-105W | 1.0725 | 0.9110 | 1.0433 | 1.0364 | 0.9566 | 1.0220 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0411 | 0.9775 | 0.9268 | 1.0798 | 0.9544 |
| 3SRLCR-120W | 1.0714 | 0.9132 | 1.0427 | 1.0358 | 0.9577 | 1.0216 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0401 | 0.9778 | 0.9279 | 1.0781 | 0.9551 |
| 3SRLCR-150W | 1.0723 | 0.9287 | 1.0443 | 1.0363 | 0.9656 | 1.0225 | 1.0000 | 1.0000 | 1.0000 | 0.9636 | 1.0320 | 0.9769 | 0.9270 | 1.0617 | 0.9532 |
| 3SRLCR-180W | 1.0730 | 0.9274 | 1.0447 | 1.0366 | 0.9649 | 1.0227 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0327 | 0.9767 | 0.9263 | 1.0632 | 0.9529 |
| 4SRLCR-80W | 1.0720 | 0.9127 | 1.0442 | 1.0360 | 0.9571 | 1.0223 | 1.0000 | 1.0000 | 1.0000 | 0.9639 | 1.0413 | 0.9774 | 0.9277 | 1.0811 | 0.9544 |
| 4SRLCR-100W | 1.0744 | 0.9153 | 1.0460 | 1.0376 | 0.9586 | 1.0234 | 1.0000 | 1.0000 | 1.0000 | 0.9619 | 1.0393 | 0.9757 | 0.9233 | 1.0766 | 0.9507 |
| 4SRLCR-120W | 1.0719 | 0.9089 | 1.0432 | 1.0361 | 0.9556 | 1.0219 | 1.0000 | 1.0000 | 1.0000 | 0.9637 | 1.0422 | 0.9775 | 0.9271 | 1.0822 | 0.9545 |
| 4SRLCR-140W | 1.0725 | 0.9110 | 1.0433 | 1.0364 | 0.9566 | 1.0220 | 1.0000 | 1.0000 | 1.0000 | 0.9635 | 1.0411 | 0.9775 | 0.9268 | 1.0798 | 0.9544 |
| 4SRLCR-160W | 1.0714 | 0.9132 | 1.0427 | 1.0358 | 0.9577 | 1.0216 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0401 | 0.9778 | 0.9279 | 1.0781 | 0.9551 |
| 4SRLCR-200W | 1.0723 | 0.9287 | 1.0443 | 1.0363 | 0.9656 | 1.0225 | 1.0000 | 1.0000 | 1.0000 | 0.9636 | 1.0320 | 0.9769 | 0.9270 | 1.0617 | 0.9532 |
| 4SRLCR-240W | 1.0730 | 0.9274 | 1.0447 | 1.0366 | 0.9649 | 1.0227 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0327 | 0.9767 | 0.9263 | 1.0632 | 0.9529 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

Table 9a: Performance Data (Screw Compressor) - R22

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCS-50W | 418 | 30.6 | 512 | 426 | 30.8 | 521 | 435 | 30.9 | 530 | 444 | 31.0 | 539 | 452 | 31.1 | 548 |
| 1SRLCS-60W | 525 | 38.0 | 641 | 535 | 38.2 | 652 | 546 | 38.3 | 663 | 556 | 38.4 | 674 | 567 | 38.6 | 686 |
| 1SRLCS-70W | 614 | 45.8 | 754 | 626 | 46.0 | 767 | 638 | 46.2 | 780 | 651 | 46.4 | 793 | 663 | 46.6 | 806 |
| 1SRLCS-80W | 713 | 51.8 | 872 | 727 | 52.0 | 887 | 741 | 52.2 | 902 | 756 | 52.5 | 917 | 770 | 52.7 | 932 |
| 1SRLCS-90W | 855 | 59.5 | 1038 | 872 | 59.7 | 1055 | 888 | 59.9 | 1072 | 905 | 60.2 | 1090 | 922 | 60.4 | 1107 |
| 1SRLCS-110W | 1022 | 71.3 | 1242 | 1043 | 71.7 | 1263 | 1064 | 72.2 | 1286 | 1085 | 72.6 | 1308 | 1107 | 73.1 | 1331 |
| 1SRLCS-125W | 1165 | 81.3 | 1415 | 1189 | 81.8 | 1440 | 1213 | 82.2 | 1465 | 1237 | 82.7 | 1491 | 1261 | 83.3 | 1517 |
| 1SRLCS-140W | 1369 | 100.0 | 1676 | 1395 | 100.5 | 1703 | 1420 | 101.0 | 1731 | 1447 | 101.5 | 1758 | 1473 | 102.1 | 1786 |
| 2SRLCS-100W | 836 | 61.3 | 1024 | 853 | 61.5 | 1042 | 870 | 61.7 | 1059 | 887 | 62.0 | 1077 | 904 | 62.2 | 1095 |
| 2SRLCS-120W | 1049 | 76.0 | 1283 | 1070 | 76.3 | 1304 | 1091 | 76.6 | 1327 | 1113 | 76.9 | 1349 | 1135 | 77.1 | 1372 |
| 2SRLCS-140W | 1227 | 91.6 | 1509 | 1252 | 92.0 | 1534 | 1276 | 92.4 | 1560 | 1301 | 92.8 | 1586 | 1327 | 93.2 | 1613 |
| 2SRLCS-160W | 1426 | 103.6 | 1744 | 1454 | 104.0 | 1773 | 1482 | 104.5 | 1803 | 1511 | 105.0 | 1833 | 1540 | 105.5 | 1864 |
| 2SRLCS-180W | 1710 | 119.0 | 2076 | 1743 | 119.4 | 2110 | 1776 | 119.9 | 2144 | 1810 | 120.3 | 2179 | 1844 | 120.8 | 2215 |
| 2SRLCS-220W | 2045 | 142.7 | 2483 | 2086 | 143.5 | 2527 | 2128 | 144.3 | 2571 | 2170 | 145.2 | 2616 | 2213 | 146.1 | 2662 |
| 2SRLCS-250W | 2331 | 162.6 | 2830 | 2378 | 163.5 | 2880 | 2425 | 164.5 | 2930 | 2474 | 165.5 | 2982 | 2523 | 166.5 | 3034 |
| 2SRLCS-280W | 2739 | 200.0 | 3353 | 2790 | 201.0 | 3407 | 2841 | 202.0 | 3461 | 2893 | 203.1 | 3517 | 2946 | 204.1 | 3573 |
| 3SRLCS-150W | 1254 | 91.9 | 1536 | 1279 | 92.3 | 1563 | 1305 | 92.6 | 1589 | 1331 | 92.9 | 1616 | 1357 | 93.2 | 1643 |
| 3SRLCS-180W | 1574 | 114.1 | 1924 | 1605 | 114.5 | 1957 | 1637 | 114.9 | 1990 | 1669 | 115.3 | 2023 | 1702 | 115.7 | 2057 |
| 3SRLCS-210W | 1841 | 137.5 | 2263 | 1878 | 138.1 | 2301 | 1914 | 138.6 | 2340 | 1952 | 139.2 | 2379 | 1990 | 139.8 | 2419 |
| 3SRLCS-240W | 2139 | 155.3 | 2616 | 2181 | 156.0 | 2660 | 2223 | 156.7 | 2705 | 2267 | 157.4 | 2750 | 2310 | 158.2 | 2796 |
| 3SRLCS-270W | 2566 | 178.5 | 3114 | 2615 | 179.1 | 3165 | 2664 | 179.8 | 3217 | 2715 | 180.5 | 3269 | 2766 | 181.2 | 3322 |
| 4SRLCS-200W | 1672 | 122.6 | 2049 | 1706 | 123.0 | 2083 | 1740 | 123.5 | 2119 | 1774 | 123.9 | 2155 | 1809 | 124.3 | 2191 |
| 4SRLCS-240W | 2098 | 152.1 | 2565 | 2140 | 152.7 | 2609 | 2183 | 153.2 | 2653 | 2226 | 153.7 | 2698 | 2270 | 154.2 | 2743 |
| 4SRLCS-280W | 2455 | 183.3 | 3018 | 2503 | 184.1 | 3069 | 2553 | 184.9 | 3120 | 2602 | 185.7 | 3173 | 2653 | 186.5 | 3226 |
| 4SRLCS-320W | 2851 | 207.1 | 3487 | 2908 | 208.0 | 3546 | 2964 | 209.0 | 3606 | 3022 | 209.9 | 3667 | 3081 | 210.9 | 3728 |
| 4SRLCS-360W | 3421 | 237.9 | 4152 | 3486 | 238.8 | 4220 | 3553 | 239.7 | 4289 | 3620 | 240.7 | 4359 | 3688 | 241.6 | 4430 |
| 4SRLCS-440W | 4090 | 285.3 | 4966 | 4172 | 286.9 | 5054 | 4256 | 288.6 | 5142 | 4341 | 290.4 | 5233 | 4427 | 292.3 | 5324 |
| 4SRLCS-500W | 4661 | 325.2 | 5660 | 4755 | 327.0 | 5759 | 4851 | 328.9 | 5861 | 4947 | 331.0 | 5964 | 5045 | 333.1 | 6068 |
| 4SRLCS-560W | 5478 | 400.0 | 6706 | 5579 | 402.0 | 6814 | 5682 | 404.0 | 6923 | 5786 | 406.1 | 7033 | 5892 | 408.3 | 7146 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary .
- The above data is subject to change without prior notice.

Table 9b: Performance Correction Factors (Screw Compressor) - R22

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCS-50W | 1.0612 | 0.8992 | 1.0322 | 1.0305 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0547 | 0.9848 | 0.9392 | 1.1124 | 0.9702 |
| 1SRLCS-60W | 1.0610 | 0.8992 | 1.0323 | 1.0304 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9697 | 1.0547 | 0.9848 | 0.9394 | 1.1124 | 0.9700 |
| 1SRLCS-70W | 1.0629 | 0.9076 | 1.0347 | 1.0321 | 0.9520 | 1.0175 | 1.0000 | 1.0000 | 1.0000 | 0.9665 | 1.0515 | 0.9820 | 0.9315 | 1.1065 | 0.9634 |
| 1SRLCS-80W | 1.0671 | 0.9112 | 1.0394 | 1.0342 | 0.9539 | 1.0199 | 1.0000 | 1.0000 | 1.0000 | 0.9646 | 1.0493 | 0.9796 | 0.9277 | 1.1017 | 0.9587 |
| 1SRLCS-90W | 1.0600 | 0.9085 | 1.0339 | 1.0305 | 0.9524 | 1.0171 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0512 | 0.9825 | 0.9352 | 1.1059 | 0.9645 |
| 1SRLCS-110W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 1SRLCS-125W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 1SRLCS-140W | 1.0524 | 0.9211 | 1.0288 | 1.0270 | 0.9587 | 1.0147 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0448 | 0.9844 | 0.9405 | 1.0930 | 0.9678 |
| 2SRLCS-100W | 1.0612 | 0.8992 | 1.0322 | 1.0305 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0547 | 0.9848 | 0.9392 | 1.1124 | 0.9702 |
| 2SRLCS-120W | 1.0610 | 0.8992 | 1.0323 | 1.0304 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9697 | 1.0547 | 0.9848 | 0.9394 | 1.1124 | 0.9700 |
| 2SRLCS-140W | 1.0629 | 0.9076 | 1.0347 | 1.0321 | 0.9520 | 1.0175 | 1.0000 | 1.0000 | 1.0000 | 0.9665 | 1.0515 | 0.9820 | 0.9315 | 1.1065 | 0.9634 |
| 2SRLCS-160W | 1.0671 | 0.9112 | 1.0394 | 1.0342 | 0.9539 | 1.0199 | 1.0000 | 1.0000 | 1.0000 | 0.9646 | 1.0493 | 0.9796 | 0.9277 | 1.1017 | 0.9587 |
| 2SRLCS-180W | 1.0600 | 0.9085 | 1.0339 | 1.0305 | 0.9524 | 1.0171 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0512 | 0.9825 | 0.9352 | 1.1059 | 0.9645 |
| 2SRLCS-220W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 2SRLCS-250W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 2SRLCS-280W | 1.0524 | 0.9211 | 1.0288 | 1.0270 | 0.9587 | 1.0147 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0448 | 0.9844 | 0.9405 | 1.0930 | 0.9678 |
| 3SRLCS-150W | 1.0612 | 0.8992 | 1.0322 | 1.0305 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0547 | 0.9848 | 0.9392 | 1.1124 | 0.9702 |
| 3SRLCS-180W | 1.0610 | 0.8992 | 1.0323 | 1.0304 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9697 | 1.0547 | 0.9848 | 0.9394 | 1.1124 | 0.9700 |
| 3SRLCS-210W | 1.0629 | 0.9076 | 1.0347 | 1.0321 | 0.9520 | 1.0175 | 1.0000 | 1.0000 | 1.0000 | 0.9665 | 1.0515 | 0.9820 | 0.9315 | 1.1065 | 0.9634 |
| 3SRLCS-240W | 1.0671 | 0.9112 | 1.0394 | 1.0342 | 0.9539 | 1.0199 | 1.0000 | 1.0000 | 1.0000 | 0.9646 | 1.0493 | 0.9796 | 0.9277 | 1.1017 | 0.9587 |
| 3SRLCS-270W | 1.0600 | 0.9085 | 1.0339 | 1.0305 | 0.9524 | 1.0171 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0512 | 0.9825 | 0.9352 | 1.1059 | 0.9645 |
| 4SRLCS-200W | 1.0612 | 0.8992 | 1.0322 | 1.0305 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9696 | 1.0547 | 0.9848 | 0.9392 | 1.1124 | 0.9702 |
| 4SRLCS-240W | 1.0610 | 0.8992 | 1.0323 | 1.0304 | 0.9482 | 1.0158 | 1.0000 | 1.0000 | 1.0000 | 0.9697 | 1.0547 | 0.9848 | 0.9394 | 1.1124 | 0.9700 |
| 4SRLCS-280W | 1.0629 | 0.9076 | 1.0347 | 1.0321 | 0.9520 | 1.0175 | 1.0000 | 1.0000 | 1.0000 | 0.9665 | 1.0515 | 0.9820 | 0.9315 | 1.1065 | 0.9634 |
| 4SRLCS-320W | 1.0671 | 0.9112 | 1.0394 | 1.0342 | 0.9539 | 1.0199 | 1.0000 | 1.0000 | 1.0000 | 0.9646 | 1.0493 | 0.9796 | 0.9277 | 1.1017 | 0.9587 |
| 4SRLCS-360W | 1.0600 | 0.9085 | 1.0339 | 1.0305 | 0.9524 | 1.0171 | 1.0000 | 1.0000 | 1.0000 | 0.9683 | 1.0512 | 0.9825 | 0.9352 | 1.1059 | 0.9645 |
| 4SRLCS-440W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 4SRLCS-500W | 1.0668 | 0.9245 | 1.0423 | 1.0340 | 0.9591 | 1.0211 | 1.0000 | 1.0000 | 1.0000 | 0.9650 | 1.0473 | 0.9792 | 0.9289 | 1.1008 | 0.9586 |
| 4SRLCS-560W | 1.0524 | 0.9211 | 1.0288 | 1.0270 | 0.9587 | 1.0147 | 1.0000 | 1.0000 | 1.0000 | 0.9713 | 1.0448 | 0.9844 | 0.9405 | 1.0930 | 0.9678 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

Table 10a: Performance Data (Screw Compressor) - R407C

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCS-50W | 419 | 29.9 | 514 | 428 | 30.1 | 524 | 438 | 30.2 | 533 | 447 | 30.4 | 543 | 456 | 30.6 | 553 |
| 1SRLCS-60W | 526 | 37.1 | 644 | 537 | 37.3 | 656 | 549 | 37.5 | 668 | 561 | 37.7 | 680 | 573 | 37.9 | 693 |
| 1SRLCS-70W | 617 | 43.3 | 754 | 631 | 43.5 | 769 | 645 | 43.7 | 784 | 659 | 43.9 | 798 | 674 | 44.1 | 814 |
| 1SRLCS-80W | 705 | 49.4 | 861 | 720 | 49.8 | 878 | 736 | 50.1 | 895 | 752 | 50.4 | 913 | 769 | 50.8 | 930 |
| 1SRLCS-90W | 811 | 56.0 | 989 | 828 | 56.2 | 1007 | 846 | 56.5 | 1026 | 864 | 56.8 | 1044 | 883 | 57.0 | 1064 |
| 1SRLCS-110W | 1008 | 69.3 | 1228 | 1029 | 69.6 | 1250 | 1051 | 70.0 | 1273 | 1073 | 70.3 | 1296 | 1095 | 70.7 | 1319 |
| 1SRLCS-125W | 1149 | 79.0 | 1399 | 1173 | 79.4 | 1425 | 1198 | 79.8 | 1451 | 1223 | 80.2 | 1477 | 1248 | 80.6 | 1504 |
| 1SRLCS-140W | 1326 | 90.2 | 1612 | 1354 | 90.6 | 1642 | 1383 | 91.1 | 1672 | 1412 | 91.5 | 1702 | 1441 | 92.0 | 1733 |
| 2SRLCS-100W | 839 | 59.9 | 1029 | 857 | 60.2 | 1048 | 875 | 60.5 | 1067 | 894 | 60.8 | 1087 | 913 | 61.1 | 1106 |
| 2SRLCS-120W | 1052 | 74.3 | 1288 | 1075 | 74.7 | 1312 | 1098 | 75.0 | 1336 | 1121 | 75.4 | 1361 | 1145 | 75.8 | 1386 |
| 2SRLCS-140W | 1234 | 86.5 | 1509 | 1262 | 86.9 | 1538 | 1290 | 87.3 | 1567 | 1319 | 87.7 | 1597 | 1348 | 88.1 | 1627 |
| 2SRLCS-160W | 1409 | 98.8 | 1723 | 1441 | 99.5 | 1756 | 1472 | 100.2 | 1790 | 1505 | 100.9 | 1825 | 1538 | 101.6 | 1860 |
| 2SRLCS-180W | 1622 | 111.9 | 1977 | 1657 | 112.4 | 2014 | 1692 | 113.0 | 2051 | 1729 | 113.5 | 2089 | 1765 | 114.1 | 2127 |
| 2SRLCS-220W | 2016 | 138.6 | 2456 | 2058 | 139.3 | 2500 | 2102 | 140.0 | 2546 | 2145 | 140.7 | 2592 | 2190 | 141.4 | 2639 |
| 2SRLCS-250W | 2297 | 158.0 | 2799 | 2346 | 158.7 | 2850 | 2395 | 159.5 | 2902 | 2445 | 160.3 | 2954 | 2496 | 161.2 | 3008 |
| 2SRLCS-280W | 2652 | 180.4 | 3225 | 2708 | 181.3 | 3284 | 2765 | 182.2 | 3343 | 2823 | 183.1 | 3404 | 2882 | 184.0 | 3466 |
| 3SRLCS-150W | 1258 | 89.8 | 1543 | 1285 | 90.2 | 1572 | 1313 | 90.7 | 1600 | 1341 | 91.2 | 1630 | 1369 | 91.7 | 1660 |
| 3SRLCS-180W | 1578 | 111.4 | 1932 | 1612 | 112.0 | 1968 | 1647 | 112.6 | 2004 | 1682 | 113.1 | 2041 | 1718 | 113.7 | 2078 |
| 3SRLCS-210W | 1851 | 129.8 | 2263 | 1893 | 130.4 | 2307 | 1935 | 131.0 | 2351 | 1978 | 131.6 | 2395 | 2022 | 132.2 | 2441 |
| 3SRLCS-240W | 2114 | 148.3 | 2584 | 2161 | 149.3 | 2635 | 2209 | 150.3 | 2686 | 2257 | 151.3 | 2738 | 2307 | 152.4 | 2791 |
| 3SRLCS-270W | 2433 | 167.9 | 2966 | 2485 | 168.7 | 3021 | 2539 | 169.5 | 3077 | 2593 | 170.3 | 3133 | 2648 | 171.1 | 3191 |
| 4SRLCS-200W | 1678 | 119.7 | 2057 | 1714 | 120.3 | 2095 | 1750 | 120.9 | 2134 | 1787 | 121.6 | 2173 | 1825 | 122.2 | 2213 |
| 4SRLCS-240W | 2105 | 148.6 | 2576 | 2150 | 149.3 | 2624 | 2196 | 150.1 | 2672 | 2243 | 150.9 | 2721 | 2290 | 151.6 | 2771 |
| 4SRLCS-280W | 2469 | 173.1 | 3018 | 2524 | 173.8 | 3076 | 2580 | 174.6 | 3134 | 2637 | 175.4 | 3194 | 2695 | 176.2 | 3255 |
| 4SRLCS-320W | 2818 | 197.7 | 3446 | 2881 | 199.0 | 3513 | 2945 | 200.4 | 3581 | 3010 | 201.8 | 3650 | 3076 | 203.2 | 3721 |
| 4SRLCS-360W | 3244 | 223.8 | 3954 | 3314 | 224.9 | 4028 | 3385 | 226.0 | 4102 | 3457 | 227.0 | 4178 | 3530 | 228.1 | 4254 |
| 4SRLCS-440W | 4031 | 277.2 | 4911 | 4117 | 278.5 | 5001 | 4203 | 279.9 | 5091 | 4291 | 281.4 | 5184 | 4380 | 282.8 | 5278 |
| 4SRLCS-500W | 4595 | 315.9 | 5597 | 4692 | 317.5 | 5699 | 4791 | 319.1 | 5803 | 4891 | 320.7 | 5908 | 4993 | 322.3 | 6015 |
| 4SRLCS-560W | 5305 | 360.7 | 6449 | 5417 | 362.5 | 6567 | 5531 | 364.3 | 6687 | 5646 | 366.2 | 6808 | 5764 | 368.0 | 6932 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary .
- The above data is subject to change without prior notice.

Performance Data (Cont.)

Table 10b: Performance Correction Factors (Screw Compressor) - R407C

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCS-50W | 1.0702 | 0.8996 | 1.0395 | 1.0360 | 0.9482 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9623 | 1.0551 | 0.9790 | 0.9227 | 1.1136 | 0.9571 |
| 1SRLCS-60W | 1.0699 | 0.8996 | 1.0395 | 1.0358 | 0.9482 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9625 | 1.0551 | 0.9790 | 0.9232 | 1.1136 | 0.9572 |
| 1SRLCS-70W | 1.0799 | 0.9056 | 1.0491 | 1.0406 | 0.9510 | 1.0248 | 1.0000 | 1.0000 | 1.0000 | 0.9581 | 1.0526 | 0.9748 | 0.9152 | 1.1090 | 0.9494 |
| 1SRLCS-80W | 1.0850 | 0.9166 | 1.0551 | 1.0431 | 0.9569 | 1.0278 | 1.0000 | 1.0000 | 1.0000 | 0.9558 | 1.0463 | 0.9719 | 0.9107 | 1.0958 | 0.9436 |
| 1SRLCS-90W | 1.0783 | 0.9035 | 1.0478 | 1.0398 | 0.9500 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9589 | 1.0538 | 0.9755 | 0.9167 | 1.1114 | 0.9508 |
| 1SRLCS-110W | 1.0702 | 0.8984 | 1.0402 | 1.0357 | 0.9468 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0581 | 0.9798 | 0.9253 | 1.1212 | 0.9595 |
| 1SRLCS-125W | 1.0701 | 0.8983 | 1.0401 | 1.0356 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9633 | 1.0581 | 0.9798 | 0.9255 | 1.1212 | 0.9596 |
| 1SRLCS-140W | 1.0699 | 0.8983 | 1.0402 | 1.0355 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9634 | 1.0581 | 0.9798 | 0.9258 | 1.1212 | 0.9596 |
| 2SRLCS-100W | 1.0702 | 0.8996 | 1.0395 | 1.0360 | 0.9482 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9623 | 1.0551 | 0.9790 | 0.9227 | 1.1136 | 0.9571 |
| 2SRLCS-120W | 1.0699 | 0.8996 | 1.0395 | 1.0358 | 0.9482 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9625 | 1.0551 | 0.9790 | 0.9232 | 1.1136 | 0.9572 |
| 2SRLCS-140W | 1.0799 | 0.9056 | 1.0491 | 1.0406 | 0.9510 | 1.0248 | 1.0000 | 1.0000 | 1.0000 | 0.9581 | 1.0526 | 0.9748 | 0.9152 | 1.1090 | 0.9494 |
| 2SRLCS-160W | 1.0850 | 0.9166 | 1.0551 | 1.0431 | 0.9569 | 1.0278 | 1.0000 | 1.0000 | 1.0000 | 0.9558 | 1.0463 | 0.9719 | 0.9107 | 1.0958 | 0.9436 |
| 2SRLCS-180W | 1.0783 | 0.9035 | 1.0478 | 1.0398 | 0.9500 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9589 | 1.0538 | 0.9755 | 0.9167 | 1.1114 | 0.9508 |
| 2SRLCS-220W | 1.0702 | 0.8984 | 1.0402 | 1.0357 | 0.9468 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0581 | 0.9798 | 0.9253 | 1.1212 | 0.9595 |
| 2SRLCS-250W | 1.0701 | 0.8983 | 1.0401 | 1.0356 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9633 | 1.0581 | 0.9798 | 0.9255 | 1.1212 | 0.9596 |
| 2SRLCS-280W | 1.0699 | 0.8983 | 1.0402 | 1.0355 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9634 | 1.0581 | 0.9798 | 0.9258 | 1.1212 | 0.9596 |
| 3SRLCS-150W | 1.0702 | 0.8996 | 1.0395 | 1.0360 | 0.9482 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9623 | 1.0551 | 0.9790 | 0.9227 | 1.1136 | 0.9571 |
| 3SRLCS-180W | 1.0699 | 0.8996 | 1.0395 | 1.0358 | 0.9482 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9625 | 1.0551 | 0.9790 | 0.9232 | 1.1136 | 0.9572 |
| 3SRLCS-210W | 1.0799 | 0.9056 | 1.0491 | 1.0406 | 0.9510 | 1.0248 | 1.0000 | 1.0000 | 1.0000 | 0.9581 | 1.0526 | 0.9748 | 0.9152 | 1.1090 | 0.9494 |
| 3SRLCS-240W | 1.0850 | 0.9166 | 1.0551 | 1.0431 | 0.9569 | 1.0278 | 1.0000 | 1.0000 | 1.0000 | 0.9558 | 1.0463 | 0.9719 | 0.9107 | 1.0958 | 0.9436 |
| 3SRLCS-270W | 1.0783 | 0.9035 | 1.0478 | 1.0398 | 0.9500 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9589 | 1.0538 | 0.9755 | 0.9167 | 1.1114 | 0.9508 |
| 4SRLCS-200W | 1.0702 | 0.8996 | 1.0395 | 1.0360 | 0.9482 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9623 | 1.0551 | 0.9790 | 0.9227 | 1.1136 | 0.9571 |
| 4SRLCS-240W | 1.0699 | 0.8996 | 1.0395 | 1.0358 | 0.9482 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9625 | 1.0551 | 0.9790 | 0.9232 | 1.1136 | 0.9572 |
| 4SRLCS-280W | 1.0799 | 0.9056 | 1.0491 | 1.0406 | 0.9510 | 1.0248 | 1.0000 | 1.0000 | 1.0000 | 0.9581 | 1.0526 | 0.9748 | 0.9152 | 1.1090 | 0.9494 |
| 4SRLCS-320W | 1.0850 | 0.9166 | 1.0551 | 1.0431 | 0.9569 | 1.0278 | 1.0000 | 1.0000 | 1.0000 | 0.9558 | 1.0463 | 0.9719 | 0.9107 | 1.0958 | 0.9436 |
| 4SRLCS-360W | 1.0783 | 0.9035 | 1.0478 | 1.0398 | 0.9500 | 1.0241 | 1.0000 | 1.0000 | 1.0000 | 0.9589 | 1.0538 | 0.9755 | 0.9167 | 1.1114 | 0.9508 |
| 4SRLCS-440W | 1.0702 | 0.8984 | 1.0402 | 1.0357 | 0.9468 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9632 | 1.0581 | 0.9798 | 0.9253 | 1.1212 | 0.9595 |
| 4SRLCS-500W | 1.0701 | 0.8983 | 1.0401 | 1.0356 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9633 | 1.0581 | 0.9798 | 0.9255 | 1.1212 | 0.9596 |
| 4SRLCS-560W | 1.0699 | 0.8983 | 1.0402 | 1.0355 | 0.9468 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9634 | 1.0581 | 0.9798 | 0.9258 | 1.1212 | 0.9596 |

NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary .
- The above data is subject to change without prior notice.

Performance Data (Cont.)

Table 11a: Performance Data (Screw Compressor) - R134a

| Models | Evaporator Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|--------------------------------------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | 42°F | | | 43°F | | | 44°F | | | 45°F | | | 46°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH | MBH | kW | MBH |
| 1SRLCS-50W | 414 | 27.8 | 504 | 424 | 27.9 | 514 | 434 | 28.0 | 524 | 444 | 28.1 | 535 | 454 | 28.3 | 546 |
| 1SRLCS-60W | 487 | 32.0 | 591 | 499 | 32.1 | 603 | 511 | 32.3 | 615 | 523 | 32.4 | 628 | 535 | 32.6 | 641 |
| 1SRLCS-70W | 560 | 36.3 | 678 | 573 | 36.5 | 692 | 587 | 36.7 | 706 | 601 | 36.9 | 720 | 615 | 37.0 | 735 |
| 1SRLCS-80W | 677 | 44.2 | 820 | 692 | 44.4 | 836 | 708 | 44.6 | 852 | 724 | 44.8 | 869 | 740 | 45.0 | 886 |
| 1SRLCS-90W | 779 | 50.4 | 943 | 797 | 50.6 | 961 | 815 | 50.8 | 980 | 834 | 51.1 | 999 | 852 | 51.3 | 1019 |
| 1SRLCS-110W | 920 | 57.3 | 1106 | 941 | 57.5 | 1127 | 962 | 57.8 | 1149 | 984 | 58.0 | 1172 | 1006 | 58.3 | 1195 |
| 1SRLCS-125W | 1015 | 64.4 | 1224 | 1038 | 64.7 | 1248 | 1062 | 64.9 | 1272 | 1085 | 65.2 | 1297 | 1110 | 65.5 | 1322 |
| 1SRLCS-140W | 1156 | 73.3 | 1393 | 1182 | 73.6 | 1420 | 1208 | 73.9 | 1448 | 1235 | 74.2 | 1476 | 1263 | 74.6 | 1505 |
| 2SRLCS-100W | 828 | 55.5 | 1008 | 847 | 55.8 | 1028 | 867 | 56.0 | 1049 | 888 | 56.3 | 1070 | 908 | 56.5 | 1092 |
| 2SRLCS-120W | 975 | 64.0 | 1182 | 998 | 64.2 | 1206 | 1022 | 64.5 | 1231 | 1045 | 64.8 | 1256 | 1070 | 65.2 | 1281 |
| 2SRLCS-140W | 1120 | 72.7 | 1356 | 1147 | 73.0 | 1383 | 1174 | 73.4 | 1411 | 1201 | 73.7 | 1440 | 1229 | 74.1 | 1469 |
| 2SRLCS-160W | 1353 | 88.5 | 1640 | 1384 | 88.8 | 1672 | 1415 | 89.2 | 1705 | 1447 | 89.6 | 1738 | 1480 | 90.0 | 1771 |
| 2SRLCS-180W | 1559 | 100.8 | 1886 | 1594 | 101.2 | 1923 | 1631 | 101.7 | 1960 | 1667 | 102.1 | 1998 | 1705 | 102.6 | 2037 |
| 2SRLCS-220W | 1840 | 114.5 | 2211 | 1882 | 115.0 | 2255 | 1925 | 115.5 | 2299 | 1968 | 116.0 | 2344 | 2012 | 116.5 | 2390 |
| 2SRLCS-250W | 2031 | 128.8 | 2448 | 2077 | 129.3 | 2496 | 2123 | 129.9 | 2544 | 2171 | 130.4 | 2594 | 2219 | 131.0 | 2644 |
| 2SRLCS-280W | 2311 | 146.6 | 2787 | 2364 | 147.2 | 2841 | 2417 | 147.8 | 2896 | 2471 | 148.5 | 2952 | 2526 | 149.1 | 3009 |
| 3SRLCS-150W | 1241 | 83.3 | 1511 | 1271 | 83.6 | 1542 | 1301 | 84.0 | 1573 | 1331 | 84.4 | 1605 | 1363 | 84.8 | 1637 |
| 3SRLCS-180W | 1462 | 95.9 | 1773 | 1497 | 96.4 | 1809 | 1532 | 96.8 | 1846 | 1568 | 97.3 | 1884 | 1605 | 97.7 | 1922 |
| 3SRLCS-210W | 1680 | 109.0 | 2034 | 1720 | 109.5 | 2075 | 1761 | 110.0 | 2117 | 1802 | 110.6 | 2160 | 1844 | 111.1 | 2204 |
| 3SRLCS-240W | 2030 | 132.7 | 2460 | 2076 | 133.3 | 2508 | 2123 | 133.8 | 2557 | 2171 | 134.4 | 2607 | 2220 | 135.0 | 2657 |
| 3SRLCS-270W | 2338 | 151.2 | 2829 | 2392 | 151.9 | 2884 | 2446 | 152.5 | 2940 | 2501 | 153.2 | 2998 | 2557 | 153.8 | 3056 |
| 4SRLCS-200W | 1655 | 111.0 | 2015 | 1695 | 111.5 | 2056 | 1735 | 112.0 | 2098 | 1775 | 112.6 | 2140 | 1817 | 113.1 | 2183 |
| 4SRLCS-240W | 1950 | 127.9 | 2365 | 1996 | 128.5 | 2413 | 2043 | 129.1 | 2462 | 2091 | 129.7 | 2511 | 2140 | 130.3 | 2562 |
| 4SRLCS-280W | 2240 | 145.4 | 2712 | 2293 | 146.0 | 2767 | 2347 | 146.7 | 2823 | 2402 | 147.4 | 2880 | 2458 | 148.1 | 2938 |
| 4SRLCS-320W | 2706 | 176.9 | 3280 | 2768 | 177.7 | 3344 | 2831 | 178.4 | 3409 | 2895 | 179.2 | 3475 | 2959 | 180.0 | 3543 |
| 4SRLCS-360W | 3118 | 201.6 | 3772 | 3189 | 202.5 | 3845 | 3261 | 203.3 | 3920 | 3335 | 204.2 | 3997 | 3409 | 205.1 | 4074 |
| 4SRLCS-440W | 3680 | 229.1 | 4422 | 3764 | 230.1 | 4509 | 3849 | 231.0 | 4598 | 3936 | 232.0 | 4688 | 4024 | 233.0 | 4780 |
| 4SRLCS-500W | 4061 | 257.5 | 4896 | 4153 | 258.6 | 4991 | 4247 | 259.7 | 5088 | 4342 | 260.8 | 5187 | 4438 | 262.0 | 5287 |
| 4SRLCS-560W | 4623 | 293.2 | 5573 | 4727 | 294.4 | 5682 | 4834 | 295.6 | 5792 | 4942 | 296.9 | 5904 | 5052 | 298.2 | 6019 |

NOTE

- 1MBH = 1000 Btu/hr
- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- All above data are based on standard condition (refer to page 7).
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

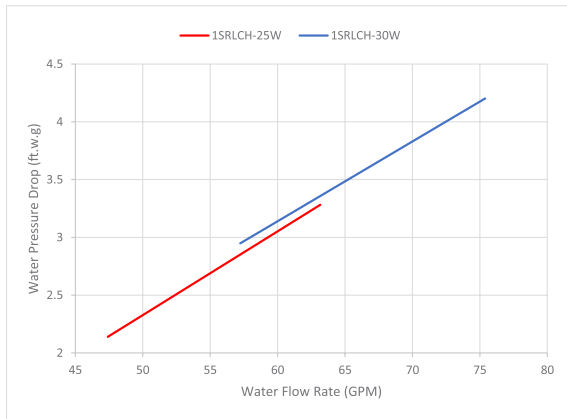
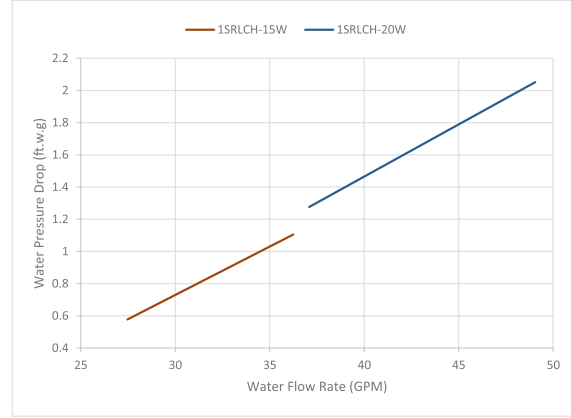
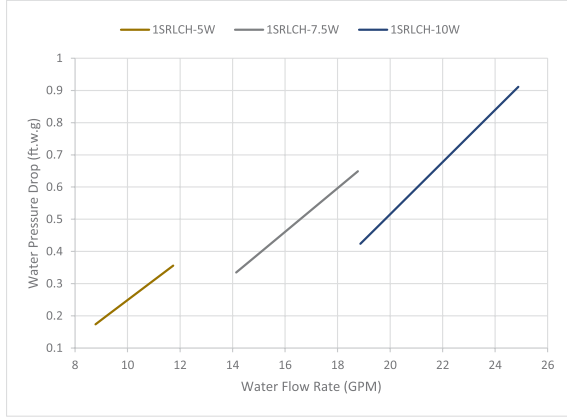
Table 11b: Performance Correction Factors (Screw Compressor) - R134a

| Models | Condenser Leaving Water Temperature | | | | | | | | | | | | | | |
|-------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 85°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
| | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC | QE | WC | QC |
| 1SRLCS-50W | 1.0680 | 0.9047 | 1.0397 | 1.0347 | 0.9505 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0534 | 0.9795 | 0.9268 | 1.1111 | 0.9587 |
| 1SRLCS-60W | 1.0676 | 0.9047 | 1.0399 | 1.0345 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9642 | 1.0534 | 0.9794 | 0.9273 | 1.1111 | 0.9586 |
| 1SRLCS-70W | 1.0674 | 0.9047 | 1.0400 | 1.0344 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9643 | 1.0534 | 0.9794 | 0.9276 | 1.1111 | 0.9585 |
| 1SRLCS-80W | 1.0598 | 0.9062 | 1.0337 | 1.0303 | 0.9511 | 1.0169 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9832 | 0.9369 | 1.1112 | 0.9665 |
| 1SRLCS-90W | 1.0597 | 0.9062 | 1.0339 | 1.0303 | 0.9511 | 1.0170 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9831 | 0.9371 | 1.1112 | 0.9664 |
| 1SRLCS-110W | 1.0595 | 0.9062 | 1.0345 | 1.0307 | 0.9511 | 1.0177 | 1.0000 | 1.0000 | 1.0000 | 0.9677 | 1.0532 | 0.9816 | 0.9340 | 1.1112 | 0.9628 |
| 1SRLCS-125W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |
| 1SRLCS-140W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |
| 2SRLCS-100W | 1.0680 | 0.9047 | 1.0397 | 1.0347 | 0.9505 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0534 | 0.9795 | 0.9268 | 1.1111 | 0.9587 |
| 2SRLCS-120W | 1.0676 | 0.9047 | 1.0399 | 1.0345 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9642 | 1.0534 | 0.9794 | 0.9273 | 1.1111 | 0.9586 |
| 2SRLCS-140W | 1.0674 | 0.9047 | 1.0400 | 1.0344 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9643 | 1.0534 | 0.9794 | 0.9276 | 1.1111 | 0.9585 |
| 2SRLCS-160W | 1.0598 | 0.9062 | 1.0337 | 1.0303 | 0.9511 | 1.0169 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9832 | 0.9369 | 1.1112 | 0.9665 |
| 2SRLCS-180W | 1.0597 | 0.9062 | 1.0339 | 1.0303 | 0.9511 | 1.0170 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9831 | 0.9371 | 1.1112 | 0.9664 |
| 2SRLCS-220W | 1.0595 | 0.9062 | 1.0345 | 1.0307 | 0.9511 | 1.0177 | 1.0000 | 1.0000 | 1.0000 | 0.9677 | 1.0532 | 0.9816 | 0.9340 | 1.1112 | 0.9628 |
| 2SRLCS-250W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |
| 2SRLCS-280W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |
| 3SRLCS-150W | 1.0680 | 0.9047 | 1.0397 | 1.0347 | 0.9505 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0534 | 0.9795 | 0.9268 | 1.1111 | 0.9587 |
| 3SRLCS-180W | 1.0676 | 0.9047 | 1.0399 | 1.0345 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9642 | 1.0534 | 0.9794 | 0.9273 | 1.1111 | 0.9586 |
| 3SRLCS-210W | 1.0674 | 0.9047 | 1.0400 | 1.0344 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9643 | 1.0534 | 0.9794 | 0.9276 | 1.1111 | 0.9585 |
| 3SRLCS-240W | 1.0598 | 0.9062 | 1.0337 | 1.0303 | 0.9511 | 1.0169 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9832 | 0.9369 | 1.1112 | 0.9665 |
| 3SRLCS-270W | 1.0597 | 0.9062 | 1.0339 | 1.0303 | 0.9511 | 1.0170 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9831 | 0.9371 | 1.1112 | 0.9664 |
| 4SRLCS-200W | 1.0680 | 0.9047 | 1.0397 | 1.0347 | 0.9505 | 1.0201 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 1.0534 | 0.9795 | 0.9268 | 1.1111 | 0.9587 |
| 4SRLCS-240W | 1.0676 | 0.9047 | 1.0399 | 1.0345 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9642 | 1.0534 | 0.9794 | 0.9273 | 1.1111 | 0.9586 |
| 4SRLCS-280W | 1.0674 | 0.9047 | 1.0400 | 1.0344 | 0.9505 | 1.0202 | 1.0000 | 1.0000 | 1.0000 | 0.9643 | 1.0534 | 0.9794 | 0.9276 | 1.1111 | 0.9585 |
| 4SRLCS-320W | 1.0598 | 0.9062 | 1.0337 | 1.0303 | 0.9511 | 1.0169 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9832 | 0.9369 | 1.1112 | 0.9665 |
| 4SRLCS-360W | 1.0597 | 0.9062 | 1.0339 | 1.0303 | 0.9511 | 1.0170 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 1.0532 | 0.9831 | 0.9371 | 1.1112 | 0.9664 |
| 4SRLCS-440W | 1.0595 | 0.9062 | 1.0345 | 1.0307 | 0.9511 | 1.0177 | 1.0000 | 1.0000 | 1.0000 | 0.9677 | 1.0532 | 0.9816 | 0.9340 | 1.1112 | 0.9628 |
| 4SRLCS-500W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |
| 4SRLCS-560W | 1.0627 | 0.9062 | 1.0368 | 1.0318 | 0.9511 | 1.0184 | 1.0000 | 1.0000 | 1.0000 | 0.9675 | 1.0532 | 0.9817 | 0.9342 | 1.1112 | 0.9635 |

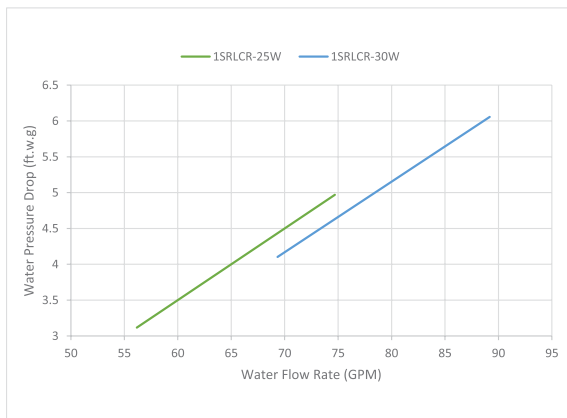
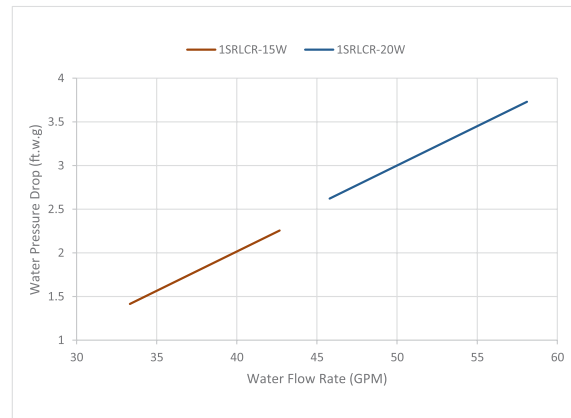
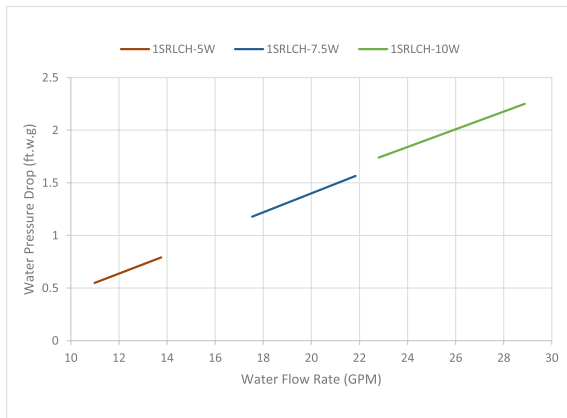
NOTE

- QE = Actual Cooling Capacity
- WC = Compressor Motor Power Input (380V,3φ,50HZ)
- QC = Condenser Total Heat Rejection
- Interpolation is allowed but extrapolation outside table boundary is not allowed. Contact Saran MFG group for operating conditions outside table boundary.
- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Scroll Compressor - R22 & R407C)



Condenser Pressure Drop (Scroll Compressor - R22 & R407C)



NOTE

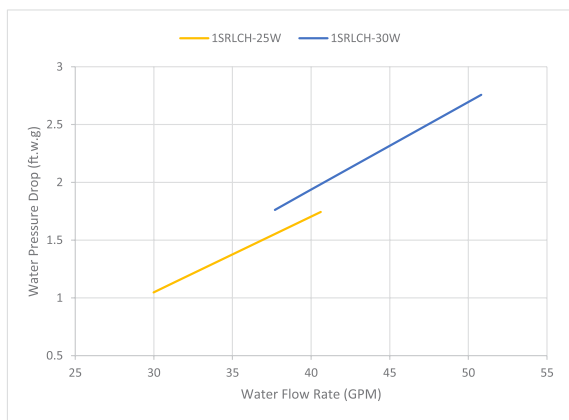
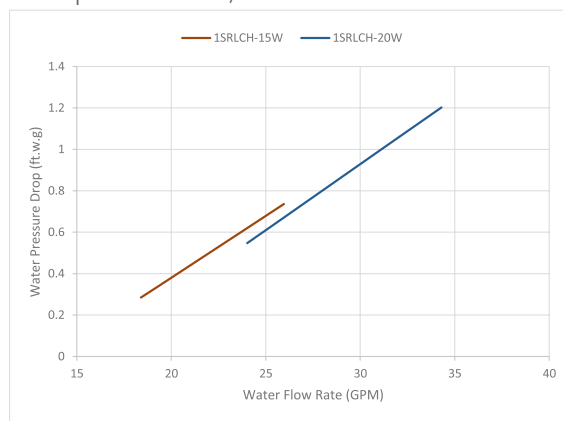
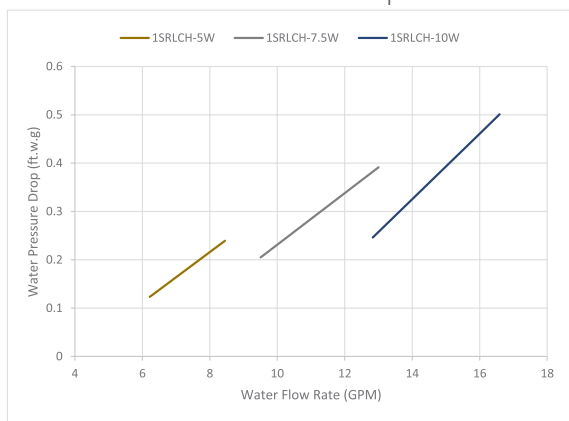
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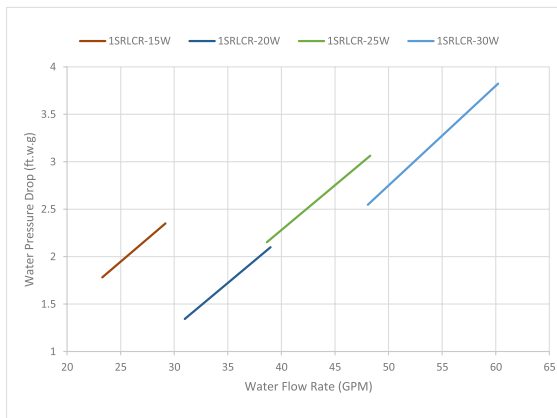
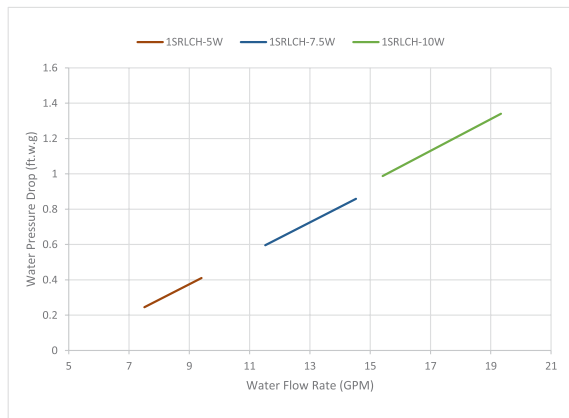
Evaporator/Condenser Pressure Drop (Cont.)

Scroll Compressors Chillers (One Circuit)

Evaporator Pressure Drop (Scroll Compressor - R134a)



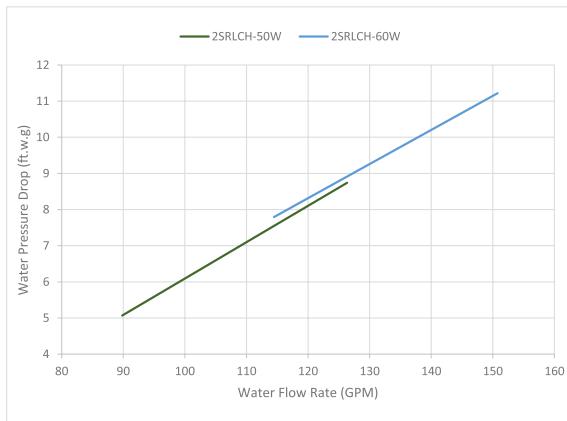
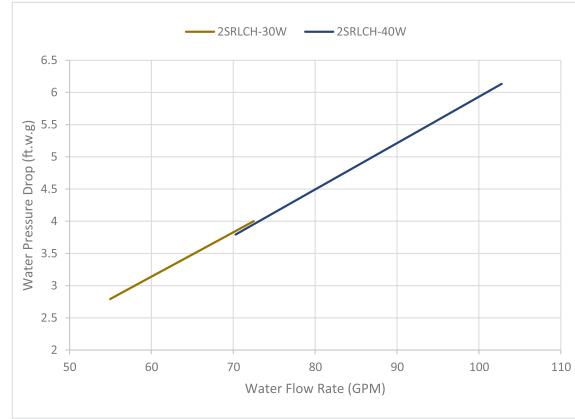
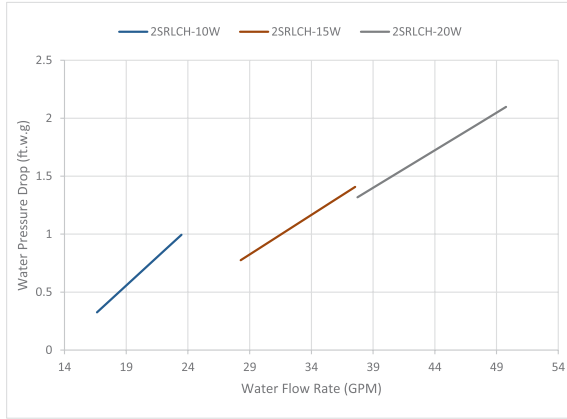
Condenser Pressure Drop (Scroll Compressor - R134a)



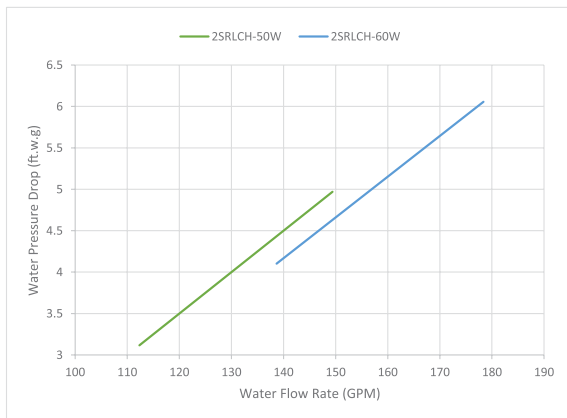
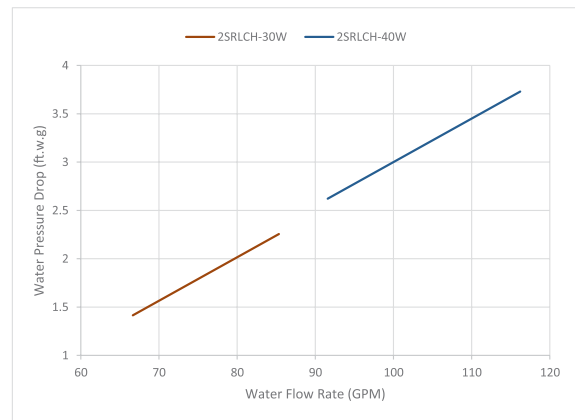
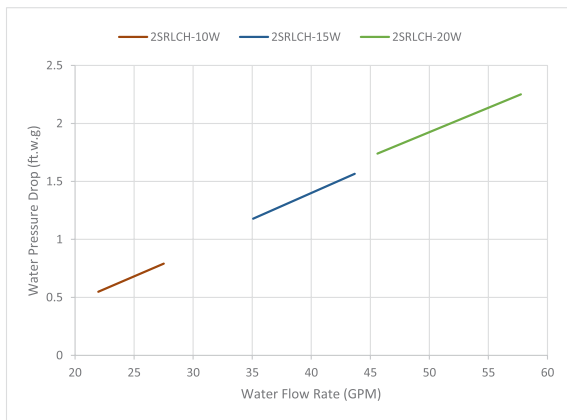
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Scroll Compressor - R22 & R407C)



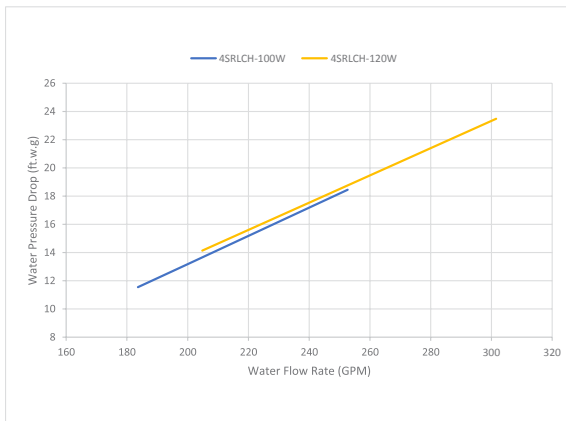
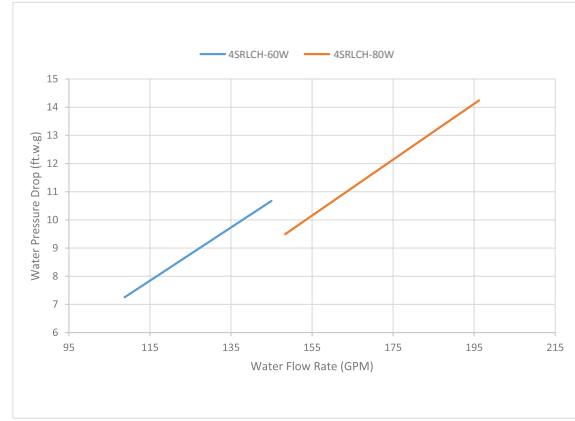
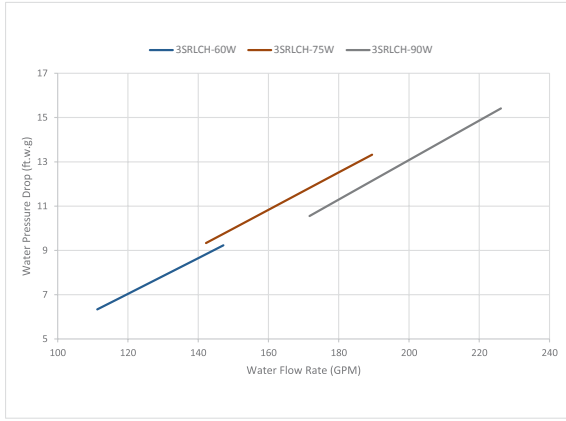
Condenser Pressure Drop (Scroll Compressor - R22 & R407C)



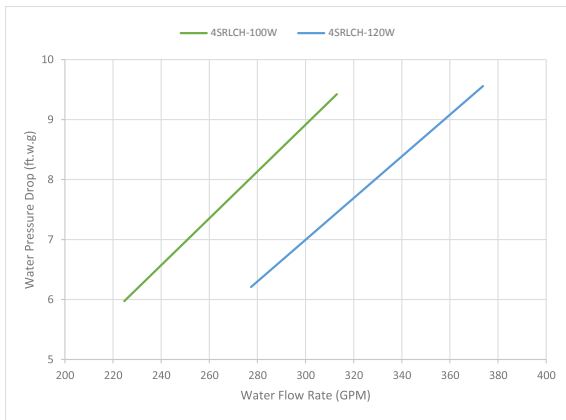
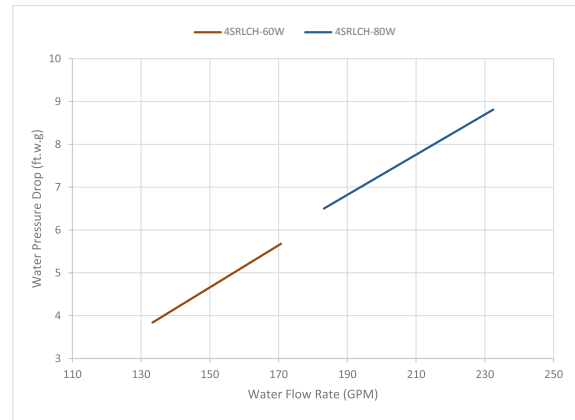
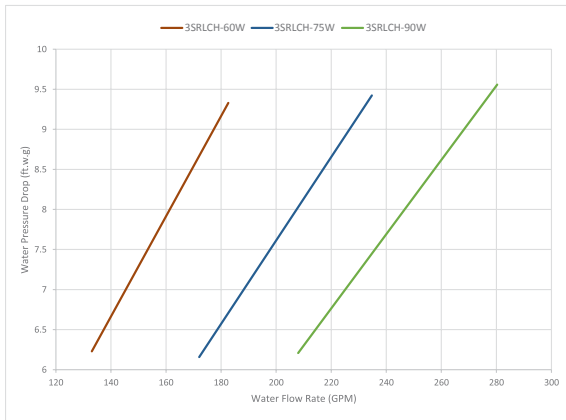
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Scroll Compressor - R22 & R407C)



Condenser Pressure Drop (Scroll Compressor - R22 & R407C)



NOTE

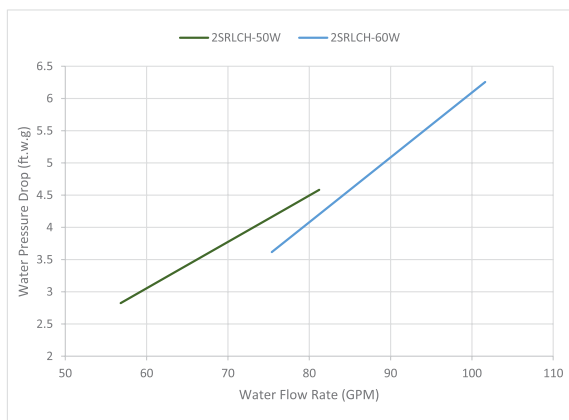
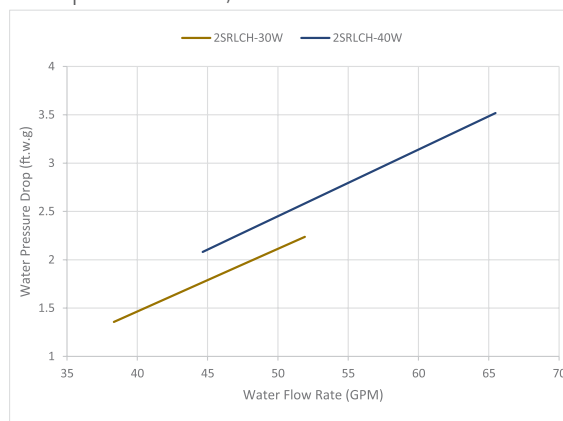
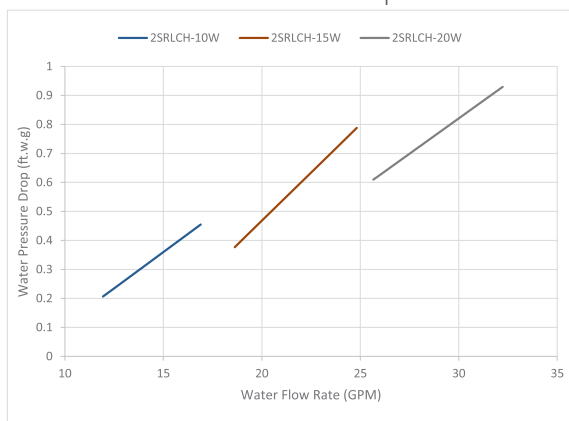
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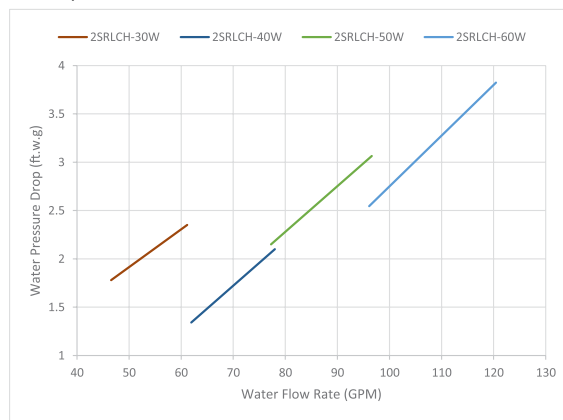
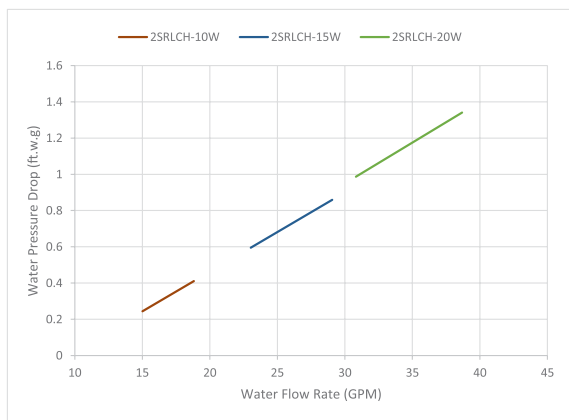
Evaporator/Condenser Pressure Drop (Cont.)

Scroll Compressors Chillers (Two Circuits)

Evaporator Pressure Drop (Scroll Compressor - R134a)



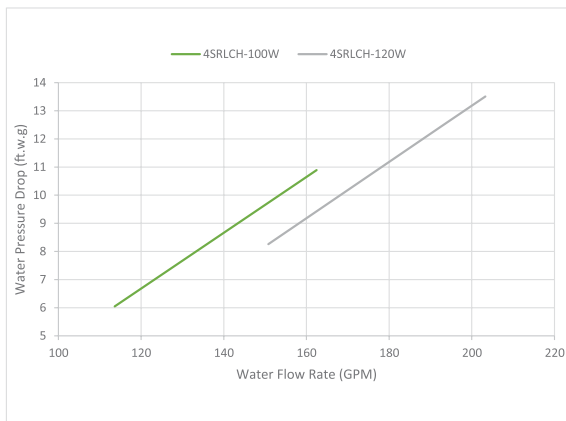
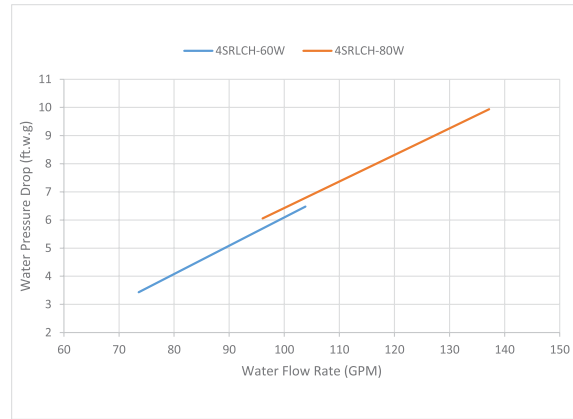
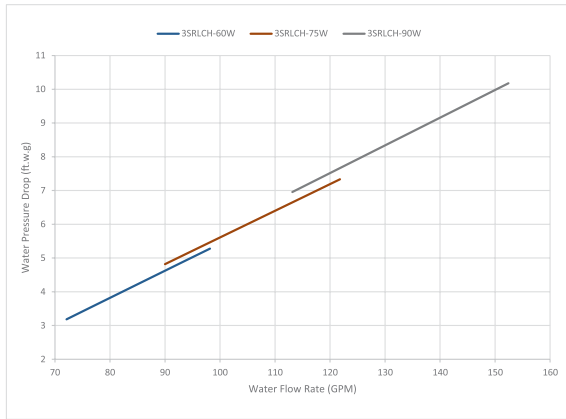
Condenser Pressure Drop (Scroll Compressor - R134a)



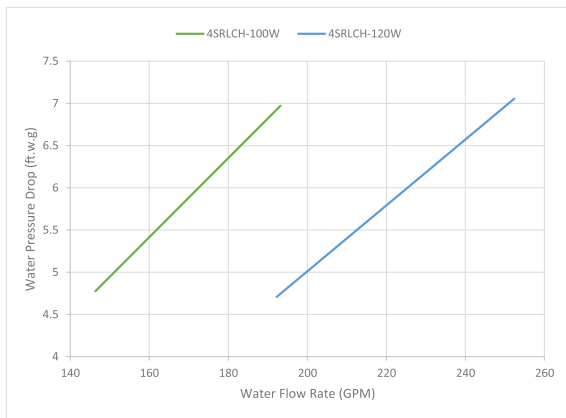
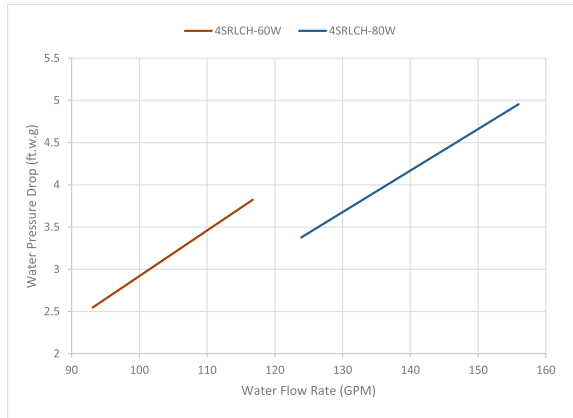
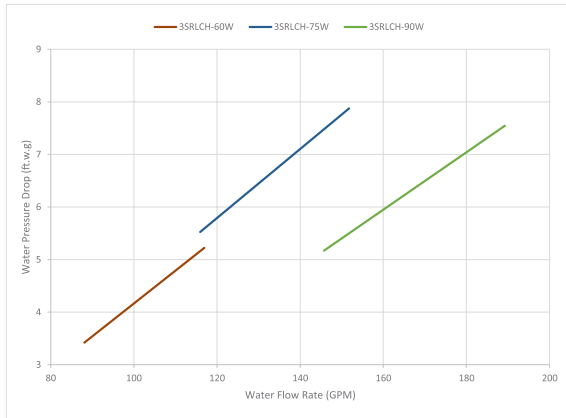
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Scroll Compressor - R134a)



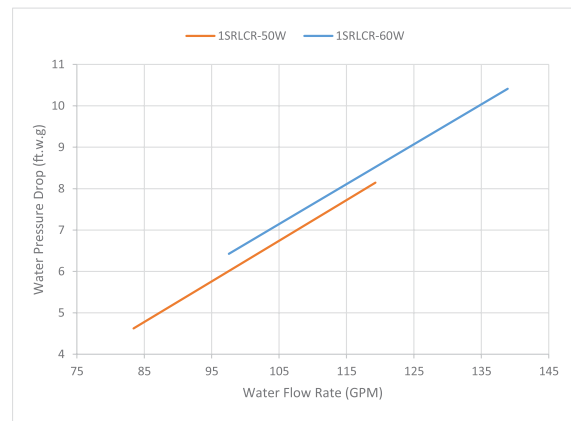
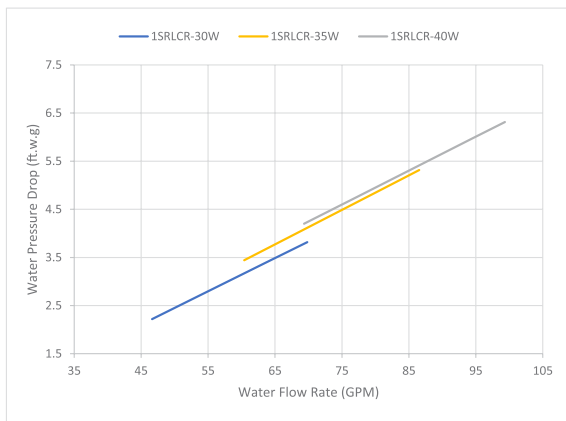
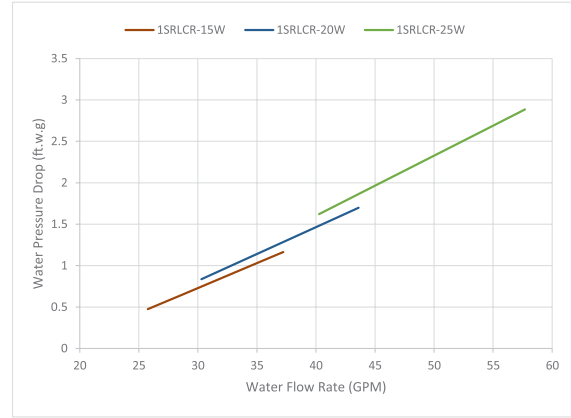
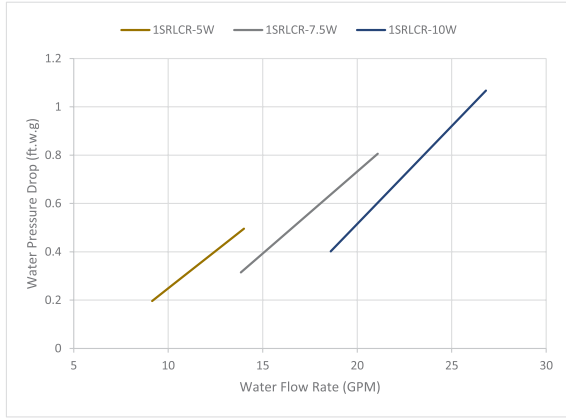
Condenser Pressure Drop (Scroll Compressor - R134a)



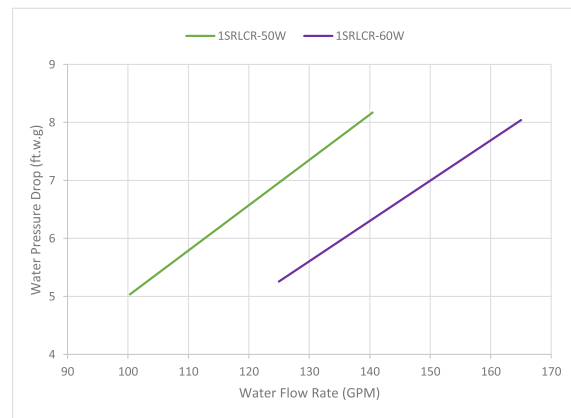
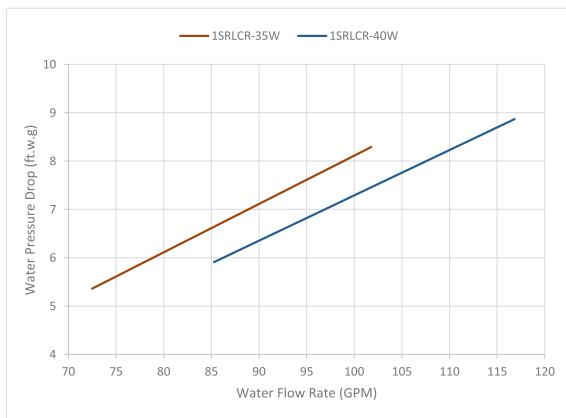
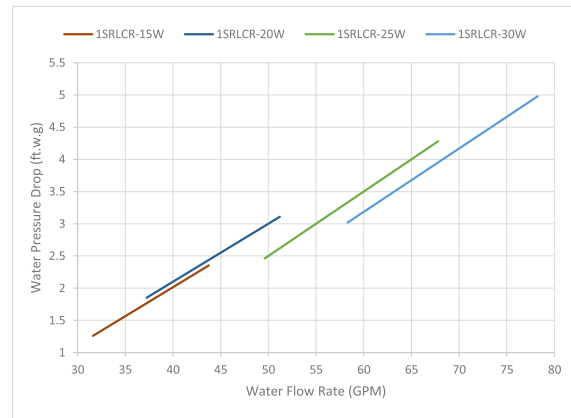
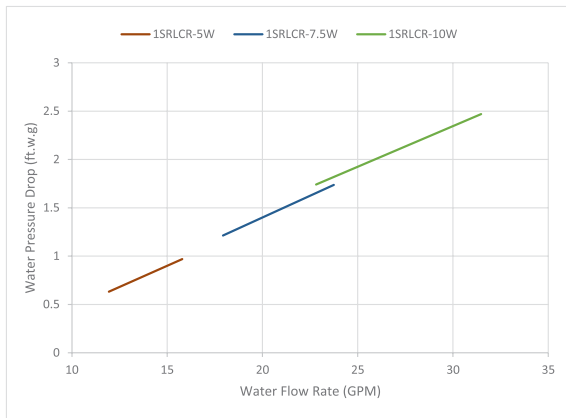
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Reciprocating Compressor - R22 & R407C)



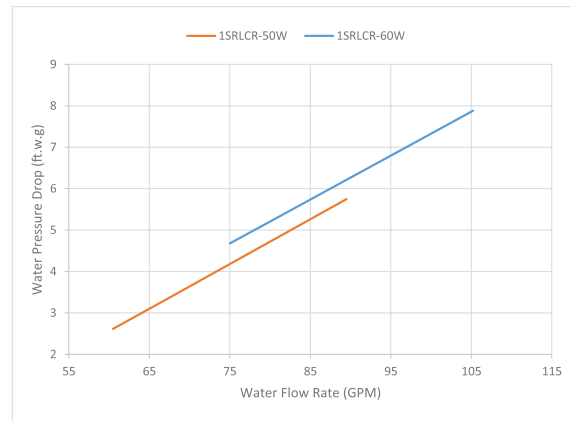
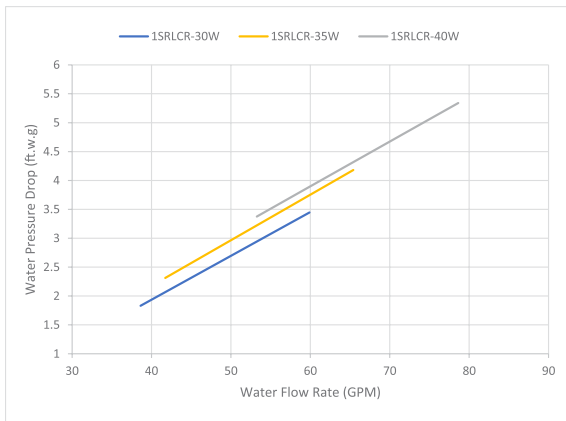
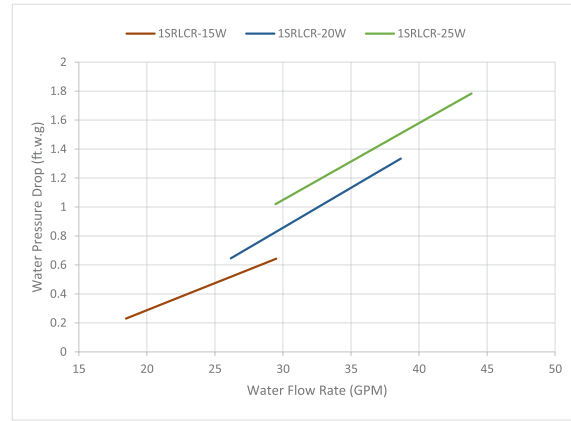
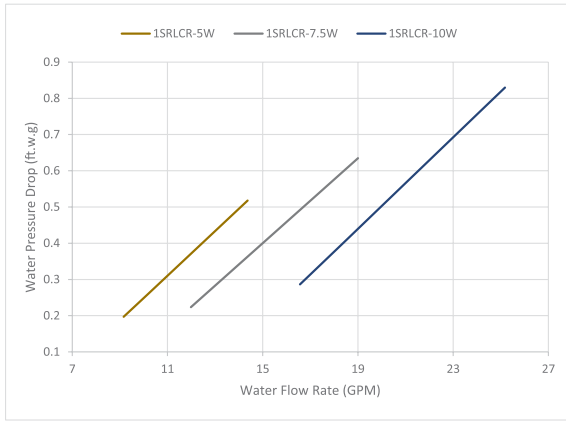
Condenser Pressure Drop (Reciprocating Compressor - R22 & R407C)



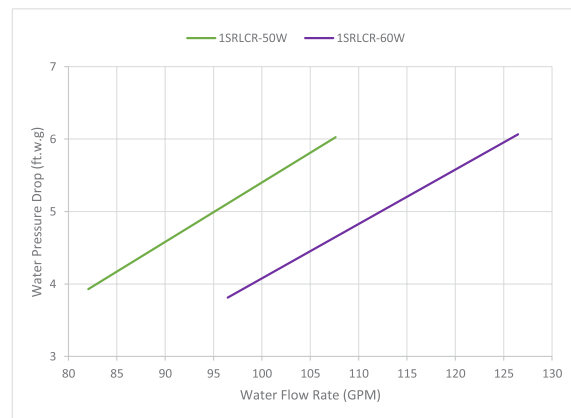
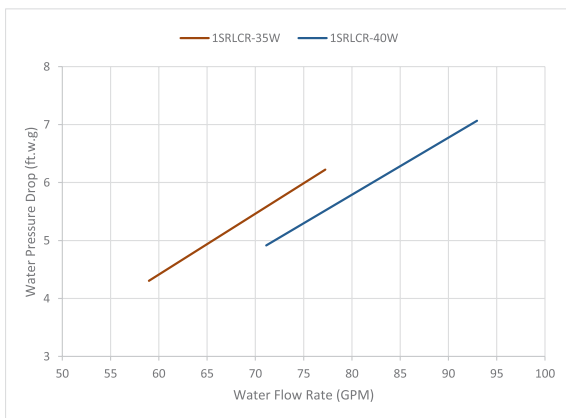
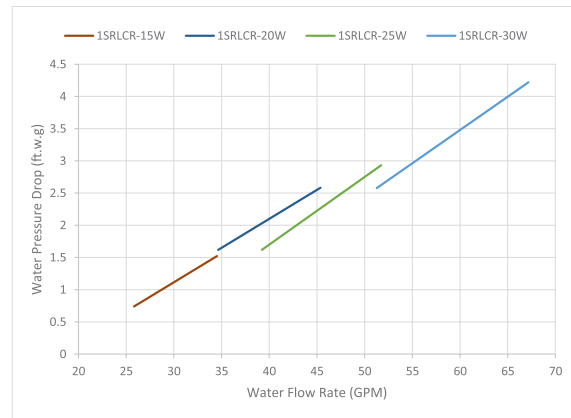
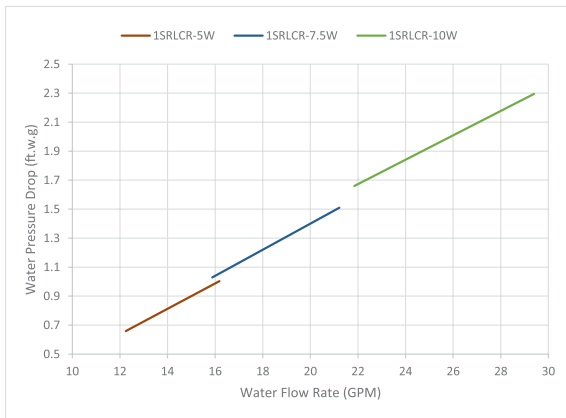
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Reciprocating Compressor - R134a)



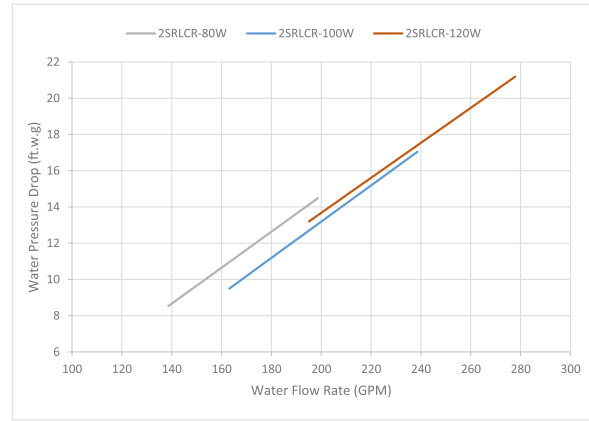
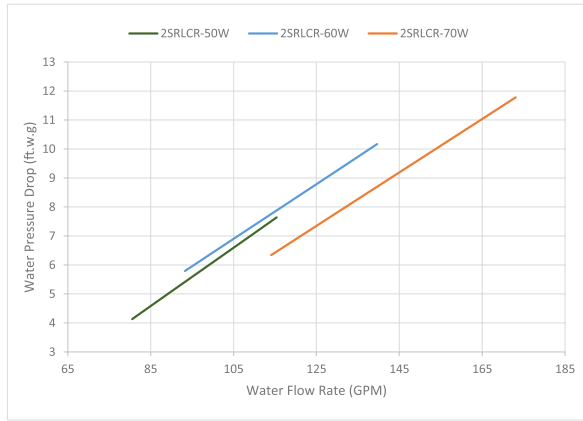
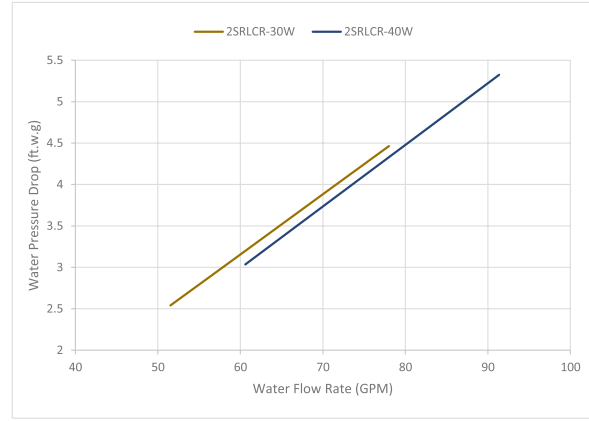
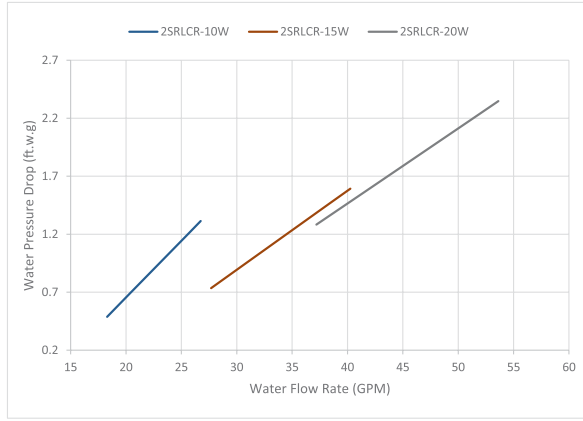
Condenser Pressure Drop (Reciprocating Compressor - R134a)



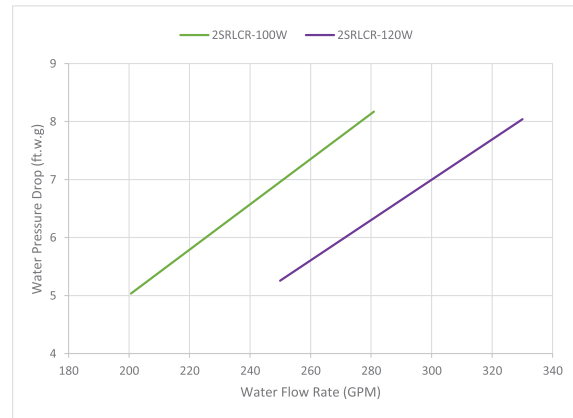
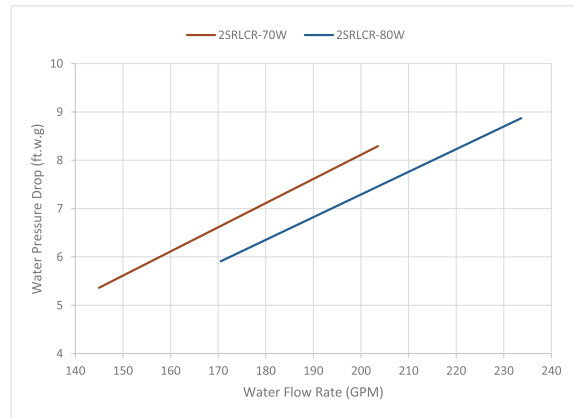
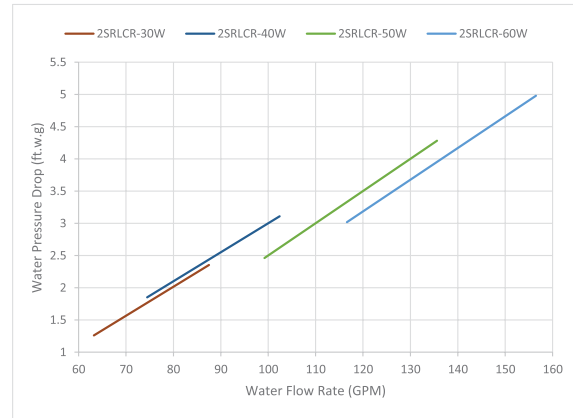
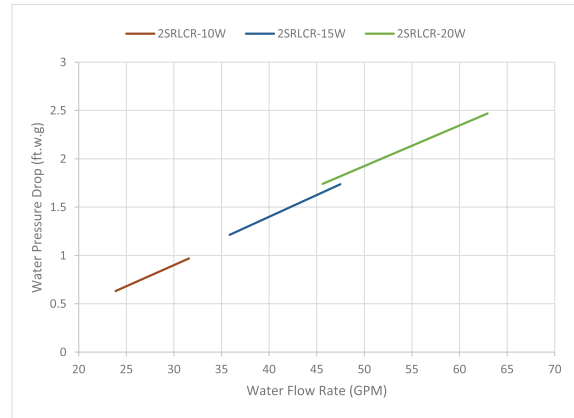
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Reciprocating Compressor - R22 & R407C)



Condenser Pressure Drop (Reciprocating Compressor - R22 & R407C)



NOTE

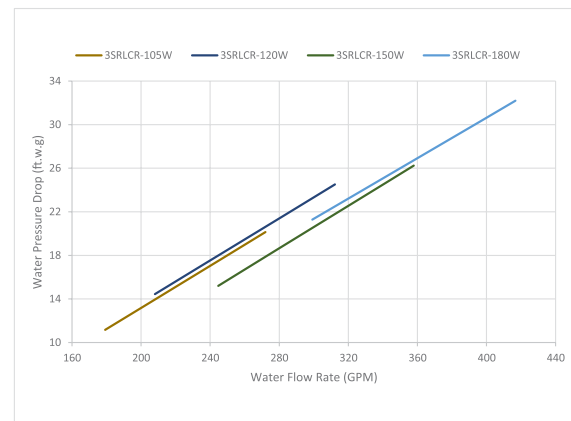
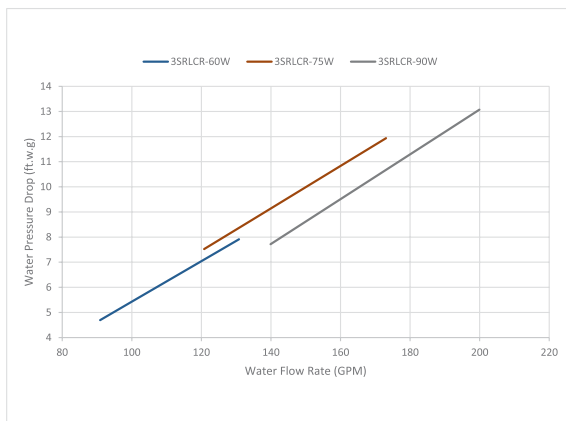
- The above data is subject to change without prior notice.



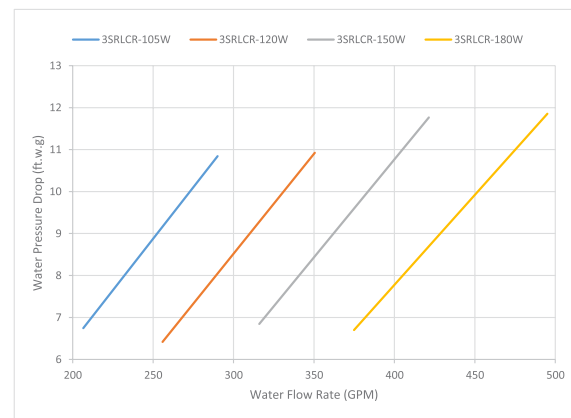
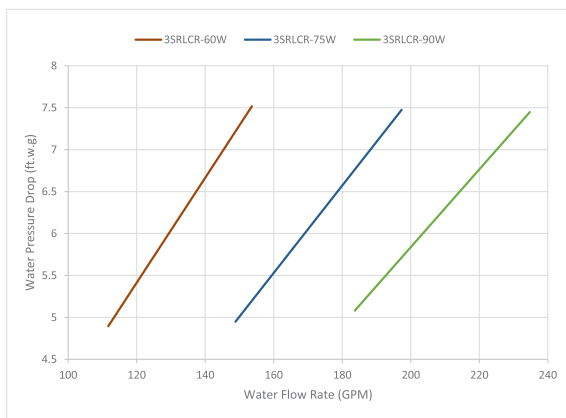
Evaporator/Condenser Pressure Drop

Reciprocating Compressors Chillers (Two Circuits)

Evaporator Pressure Drop (Reciprocating Compressor - R22 & R407C)



Condenser Pressure Drop (Reciprocating Compressor - R22 & R407C)



NOTE

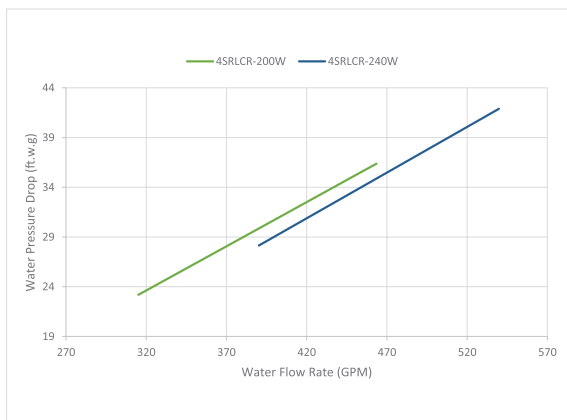
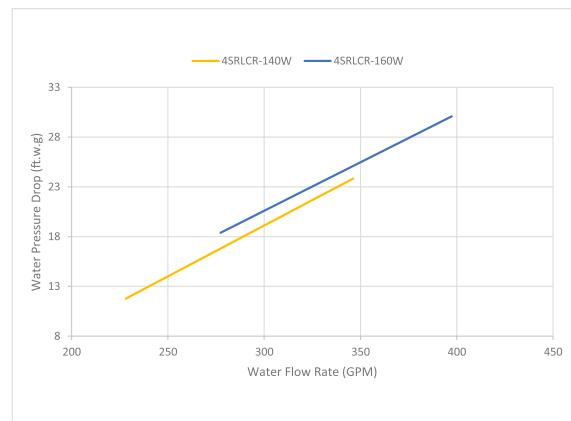
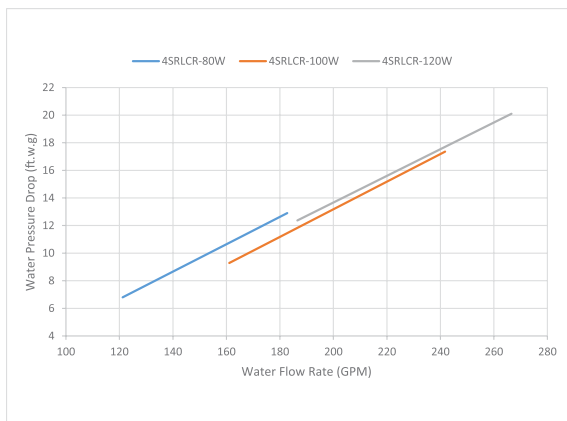
- The above data is subject to change without prior notice.



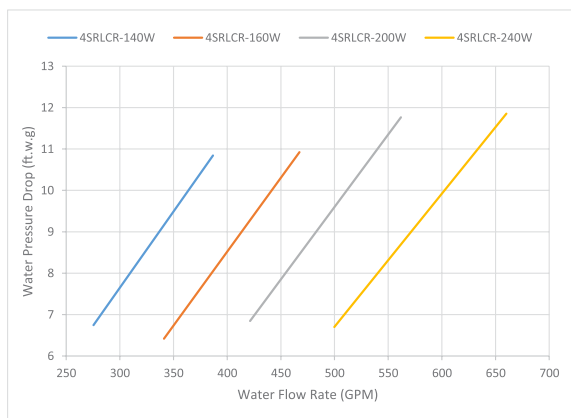
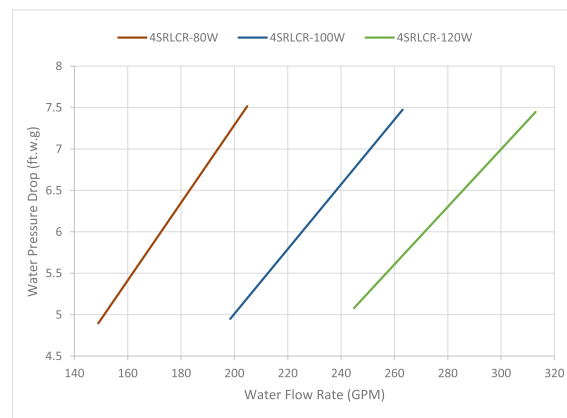
Evaporator/Condenser Pressure Drop

Reciprocating Compressors Chillers (Two Circuits)

Evaporator Pressure Drop (Reciprocating Compressor - R22 & R407C)



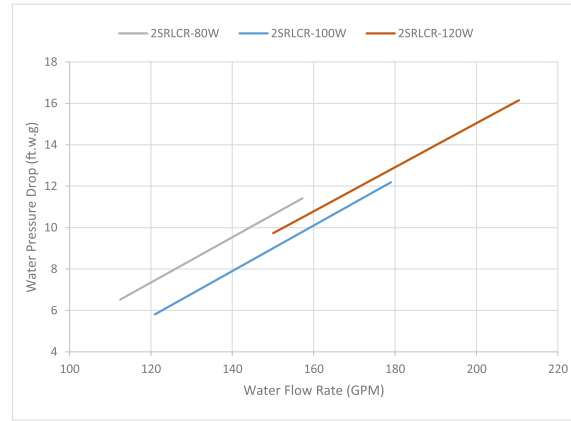
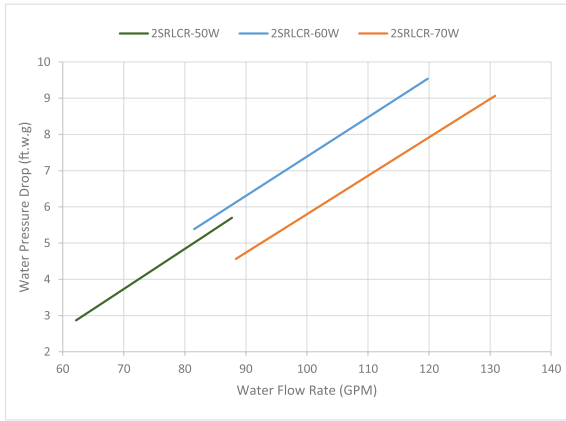
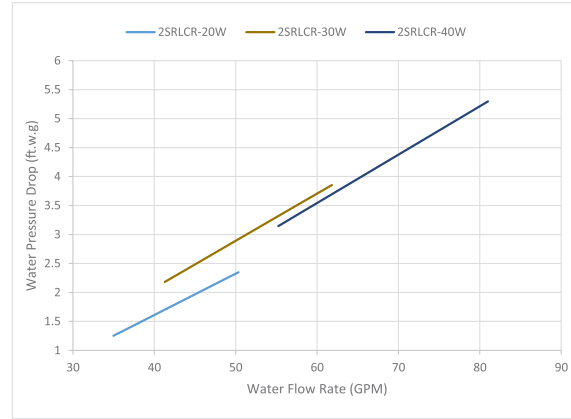
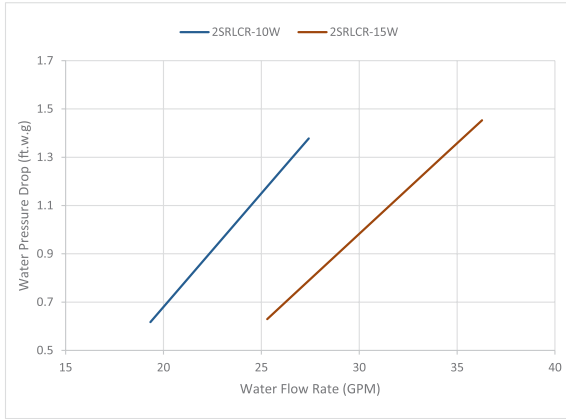
Condenser Pressure Drop (Reciprocating Compressor - R22 & R407C)



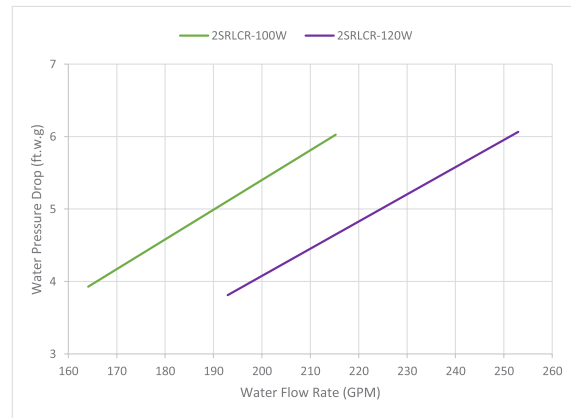
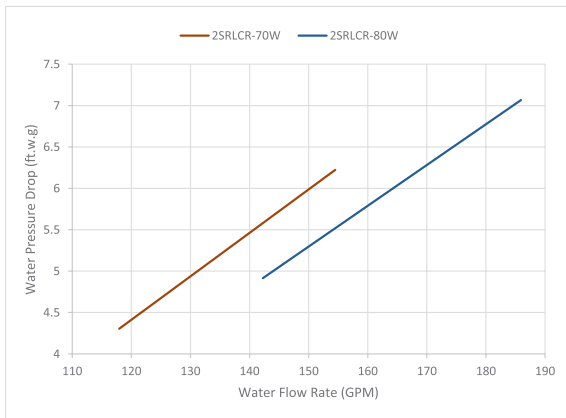
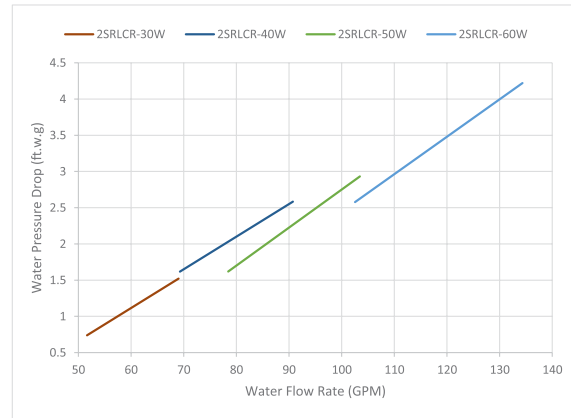
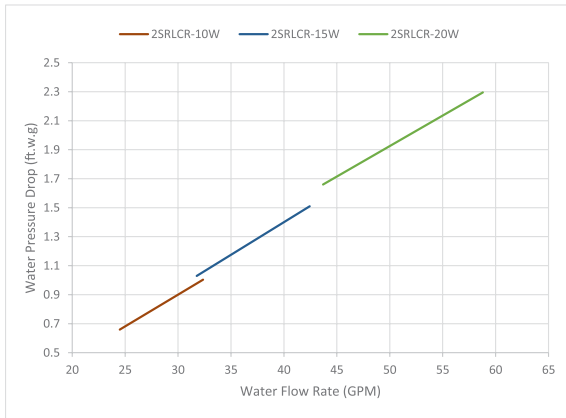
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Reciprocating Compressor - R134a)



Condenser Pressure Drop (Reciprocating Compressor - R134a)



NOTE

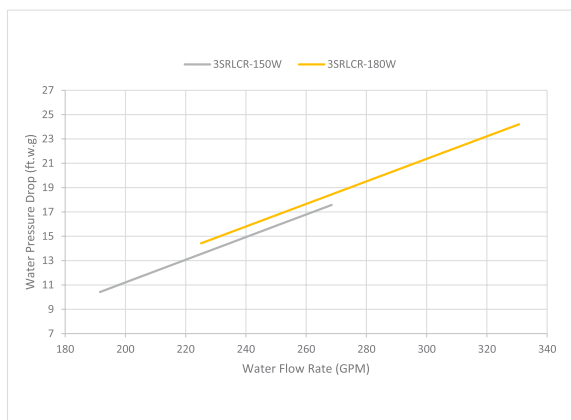
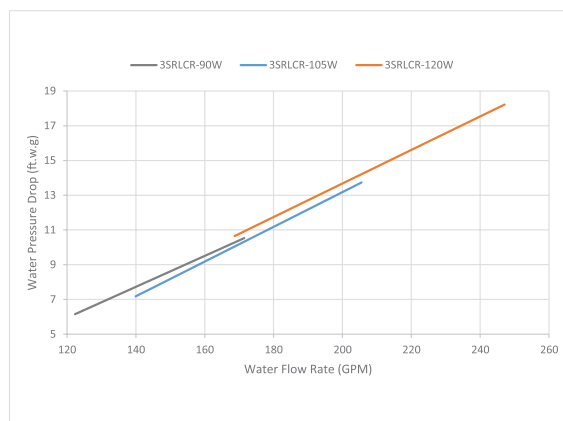
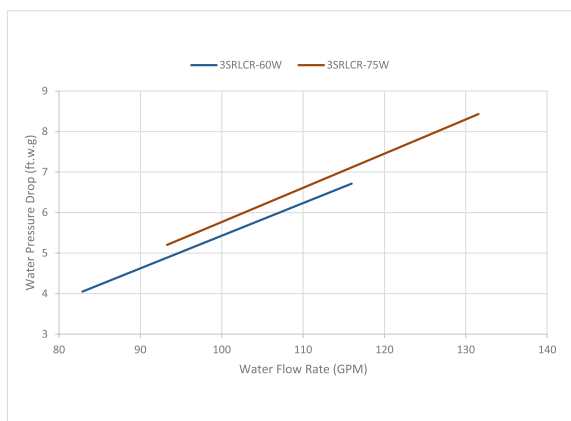
- The above data is subject to change without prior notice.



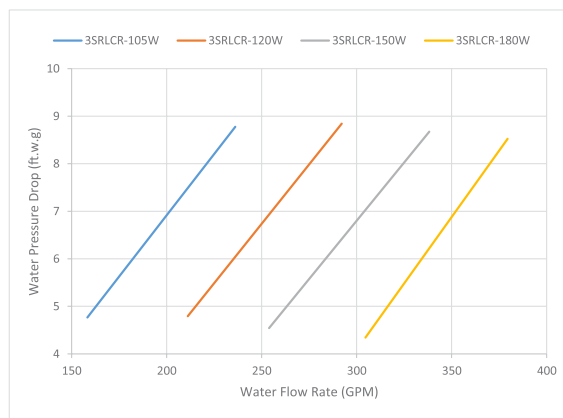
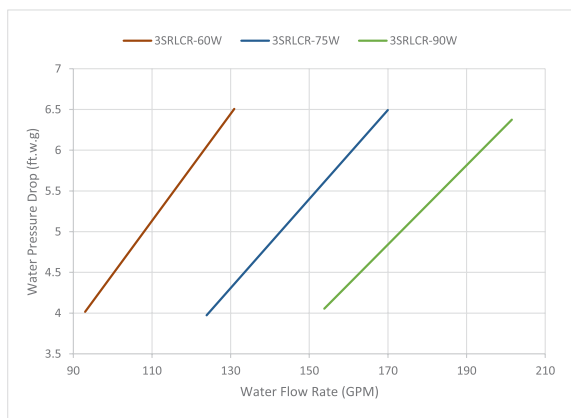
Evaporator/Condenser Pressure Drop

Reciprocating Compressors Chillers (Two Circuits)

Evaporator Pressure Drop (Reciprocating Compressor - R134a)



Condenser Pressure Drop (Reciprocating Compressor - R134a)



NOTE

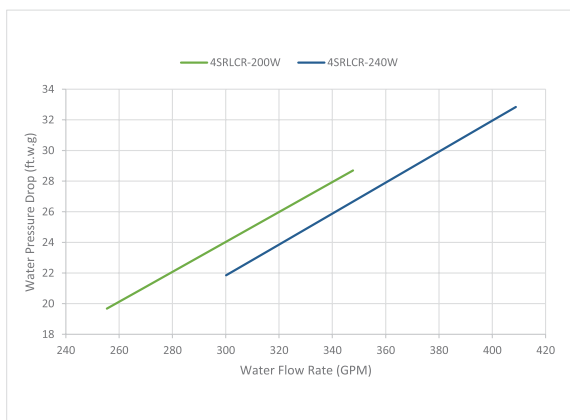
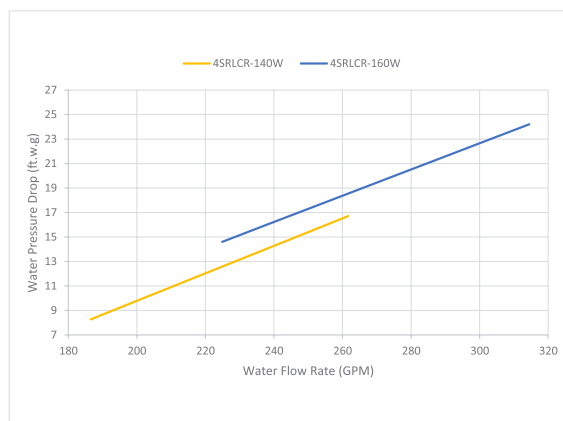
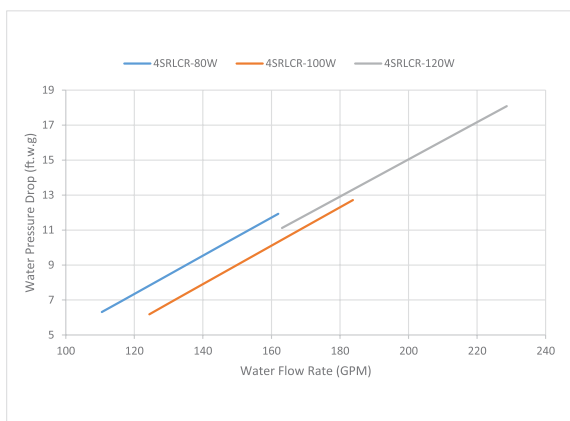
- The above data is subject to change without prior notice.



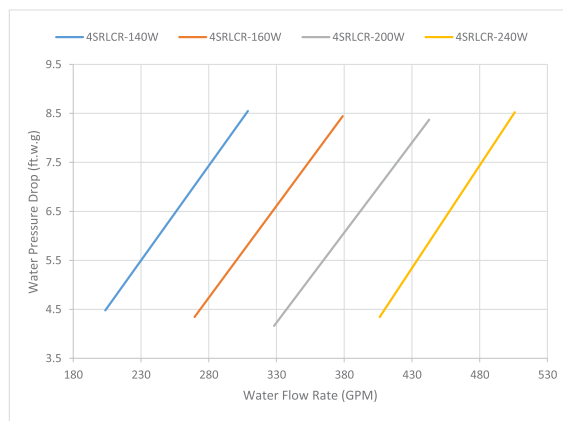
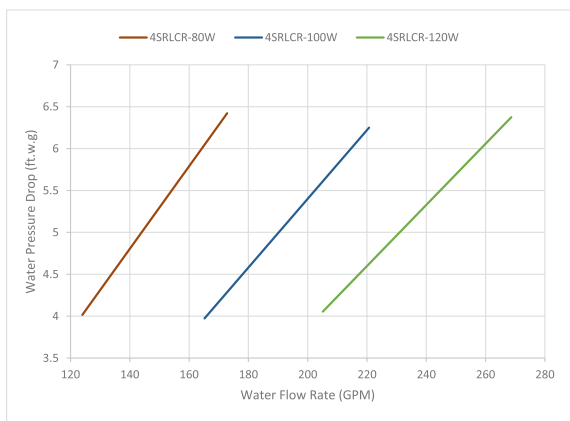
Evaporator/Condenser Pressure Drop

Reciprocating Compressors Chillers (Two Circuits)

Evaporator Pressure Drop (Reciprocating Compressor - R134a)



Condenser Pressure Drop (Reciprocating Compressor - R134a)



NOTE

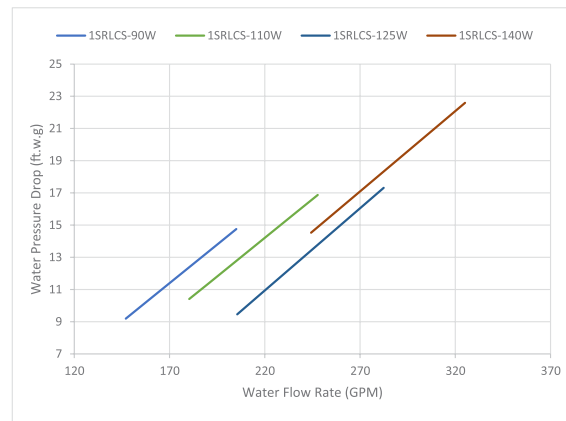
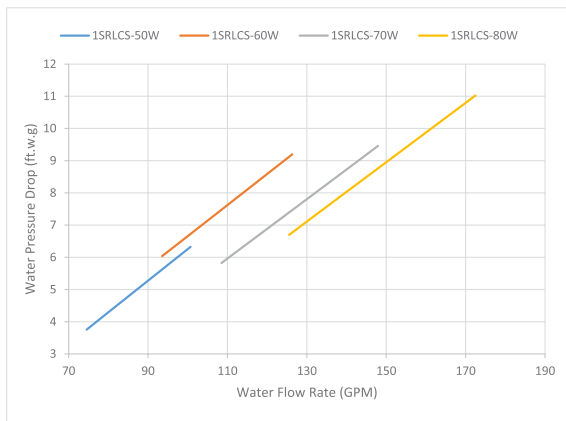
- The above data is subject to change without prior notice.



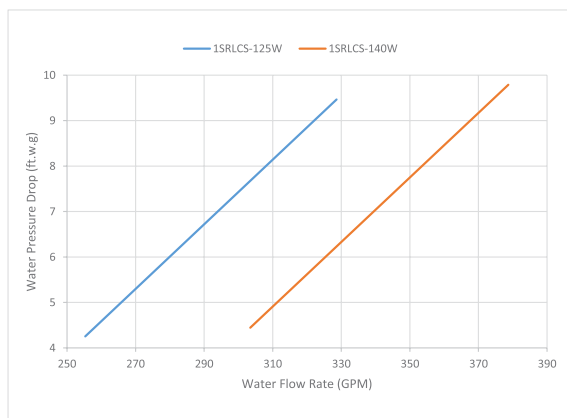
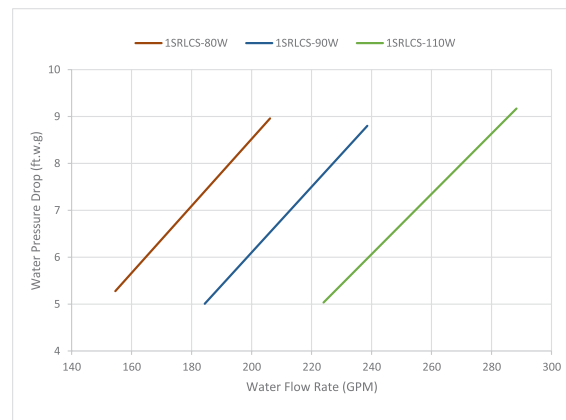
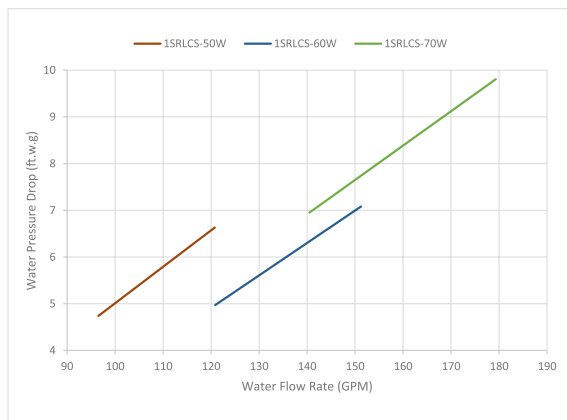
Evaporator/Condenser Pressure Drop

Screw Compressors Chillers (One Circuit)

Evaporator Pressure Drop (Screw Compressor - R22 & R407C)



Condensator Pressure Drop (Screw Compressor - R22 & R407C)



NOTE

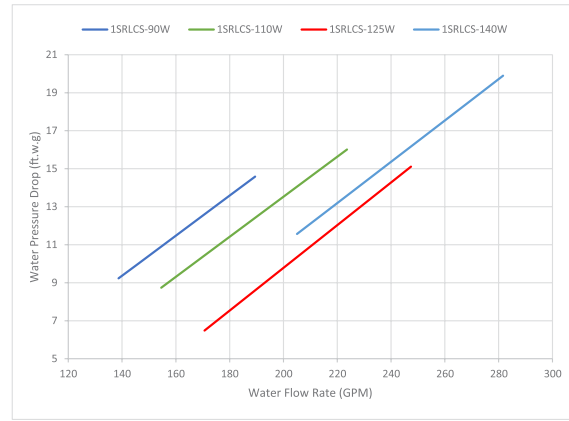
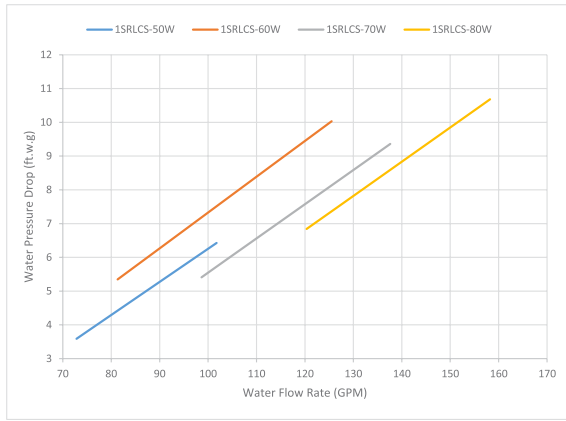
- The above data is subject to change without prior notice.



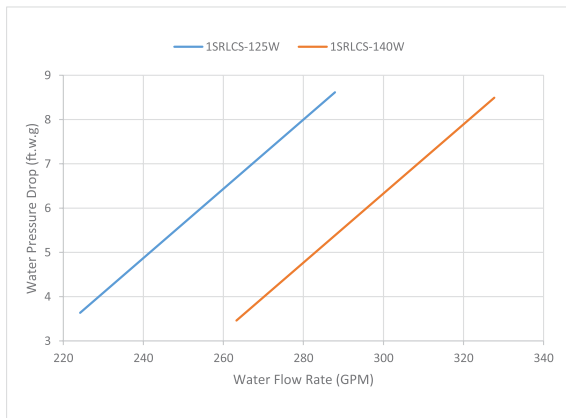
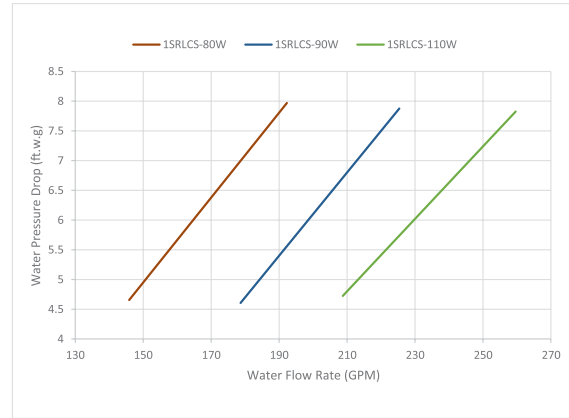
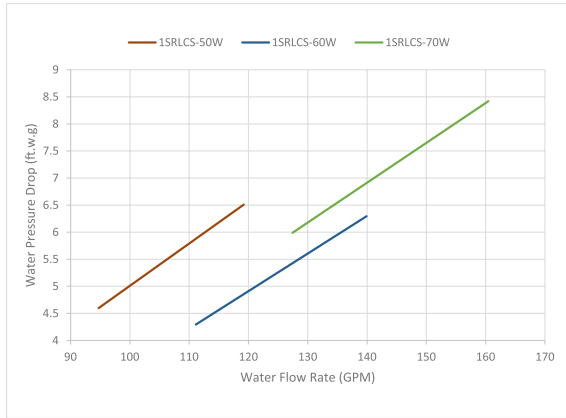
Evaporator/Condenser Pressure Drop (Cont.)

Screw Compressors Chillers (One Circuit)

Evaporator Pressure Drop (Screw Compressor - R134a)



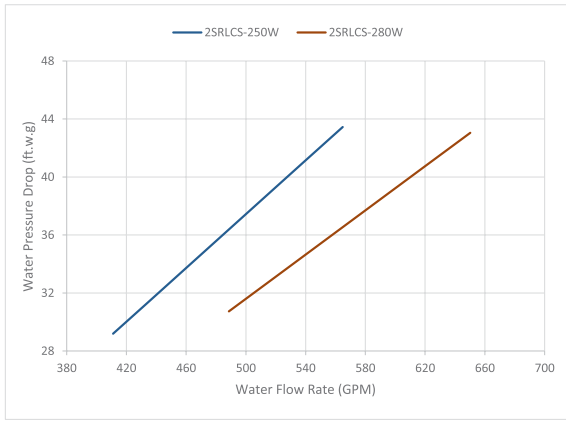
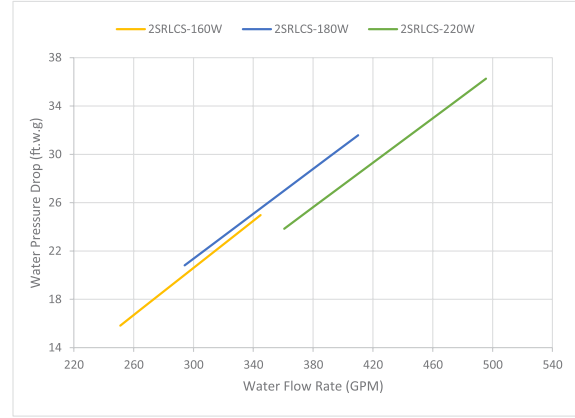
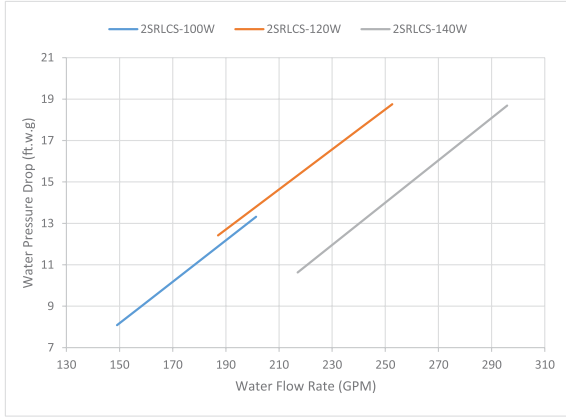
Condenser Pressure Drop (Screw Compressor - R134a)



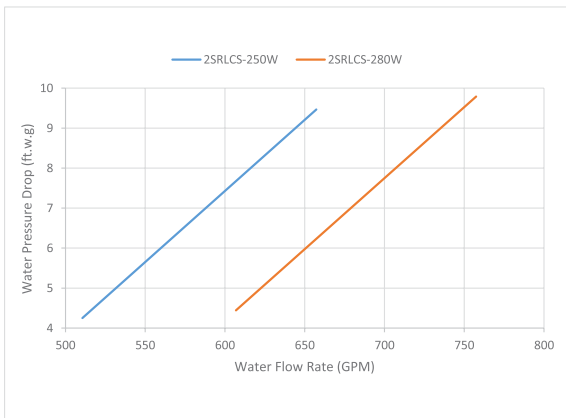
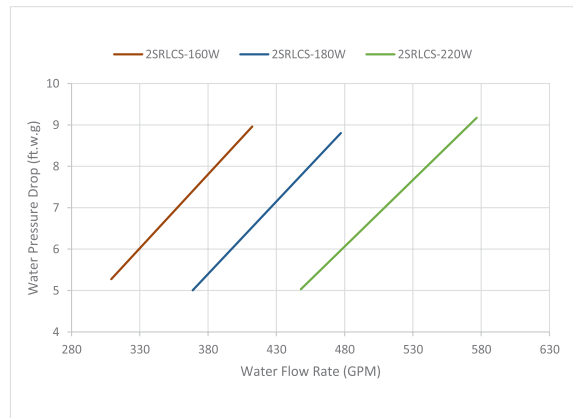
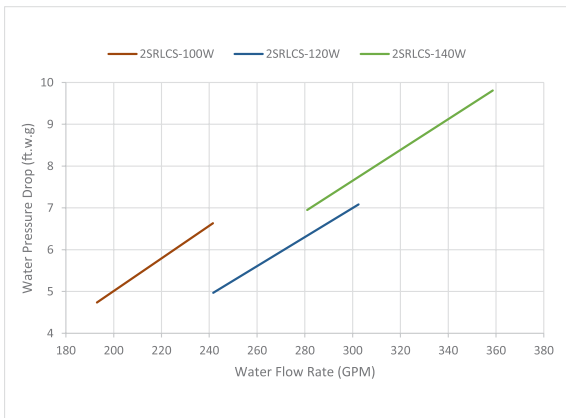
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Screw Compressor - R22 & R407C)



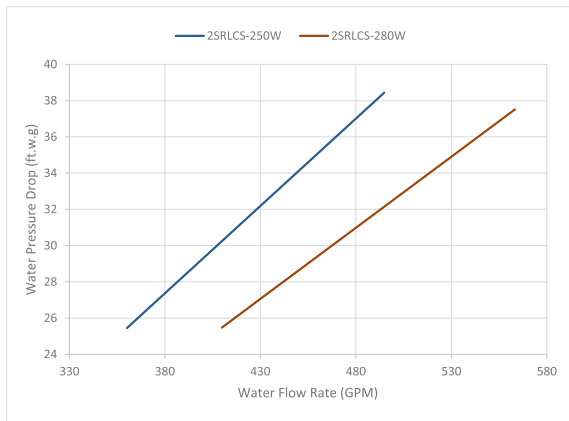
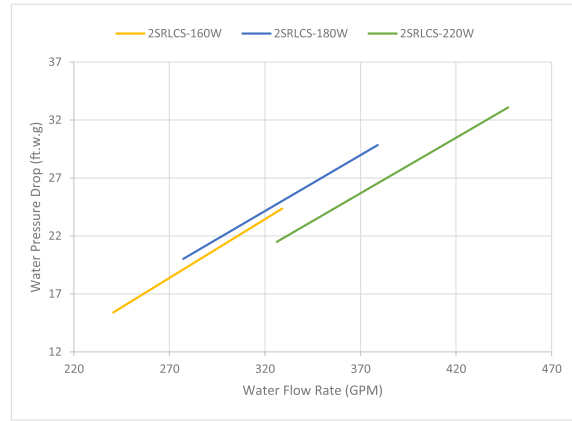
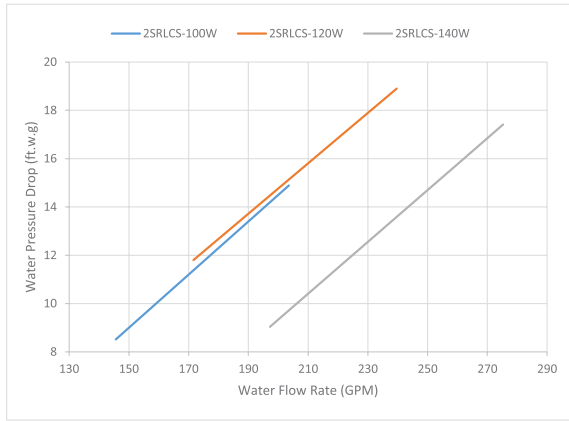
Condenser Pressure Drop (Screw Compressor - R22 & R407C)



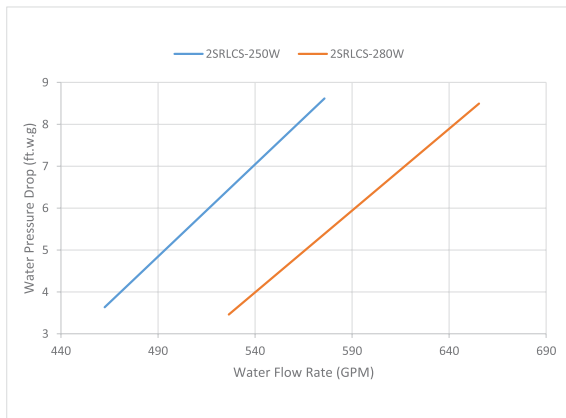
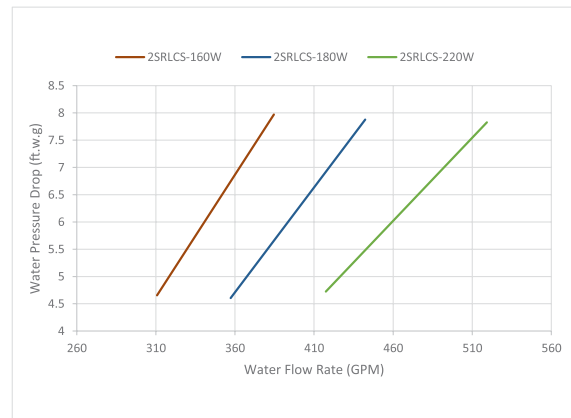
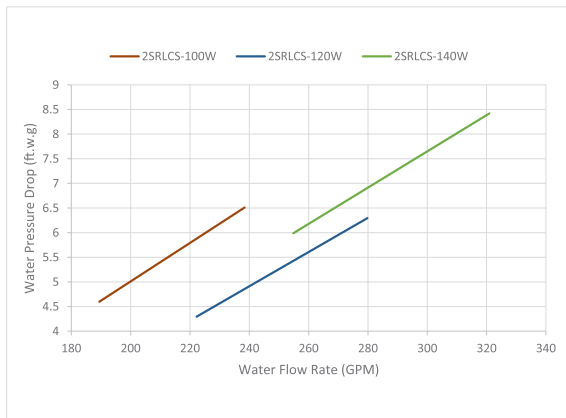
NOTE

- The above data is subject to change without prior notice.

Evaporator Pressure Drop (Screw Compressor - R134a)



Condenser Pressure Drop (Screw Compressor - R134a)



NOTE

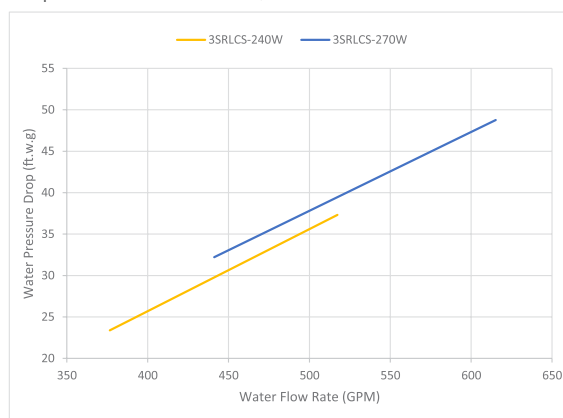
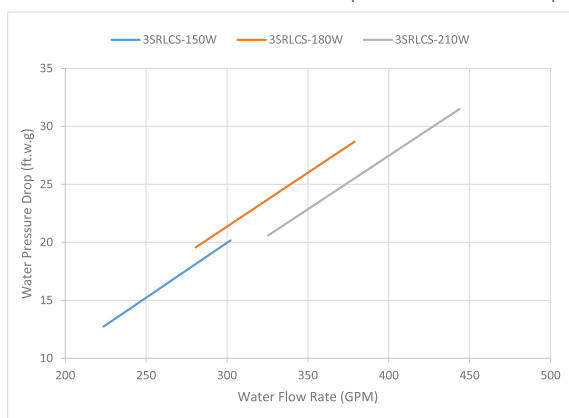
- The above data is subject to change without prior notice.



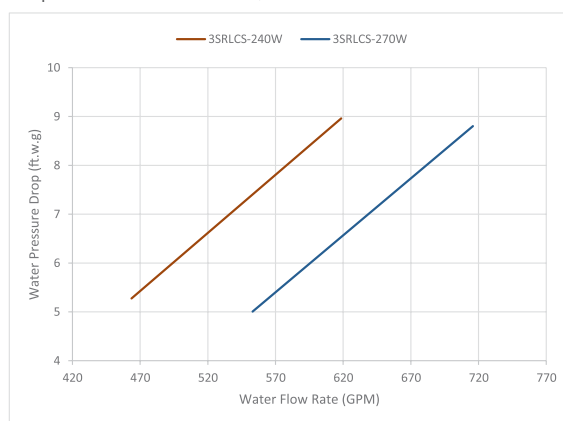
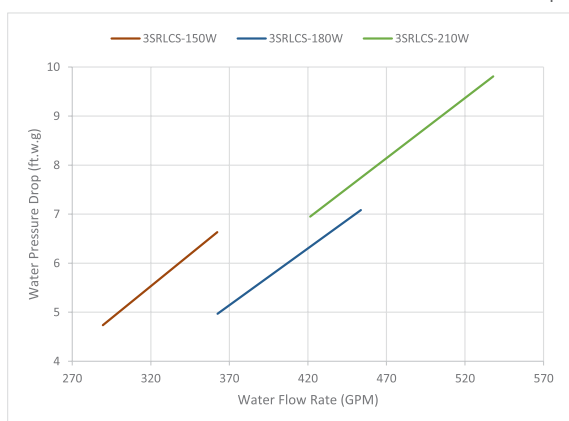
Evaporator/Condenser Pressure Drop (Cont.)

Screw Compressors Chillers (Three Circuits)

Evaporator Pressure Drop (Screw Compressor - R22 & R407C)



Condenser Pressure Drop (Screw Compressor - R22 & R407C)



NOTE

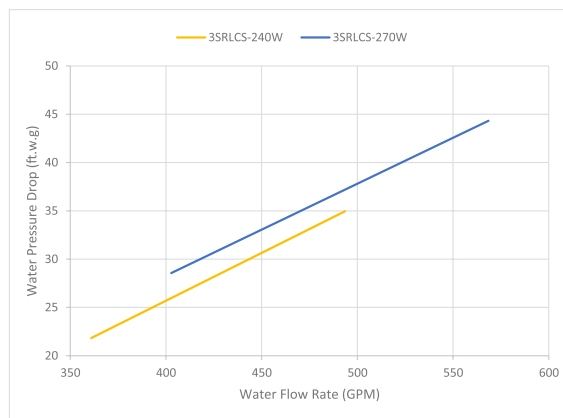
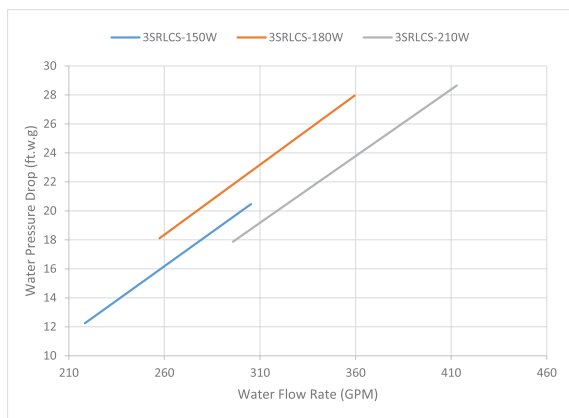
- The above data is subject to change without prior notice.



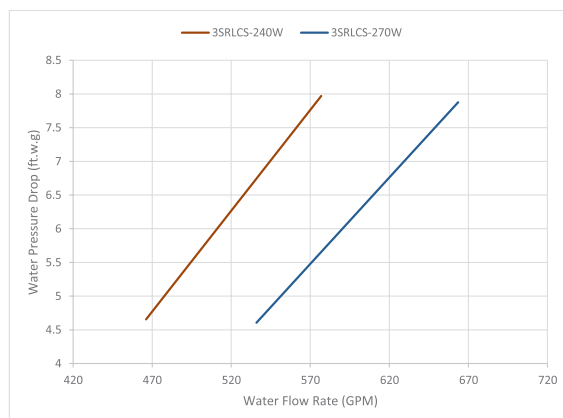
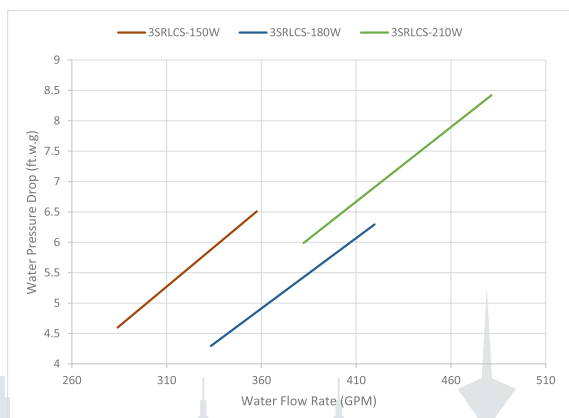
Evaporator/Condenser Pressure Drop (Cont.)

Screw Compressors Chillers (Three Circuits)

Evaporator Pressure Drop (Screw Compressor - R134a)



Condenser Pressure Drop (Screw Compressor - R134a)



NOTE

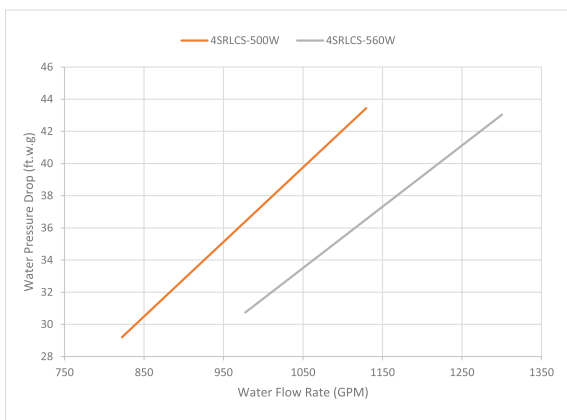
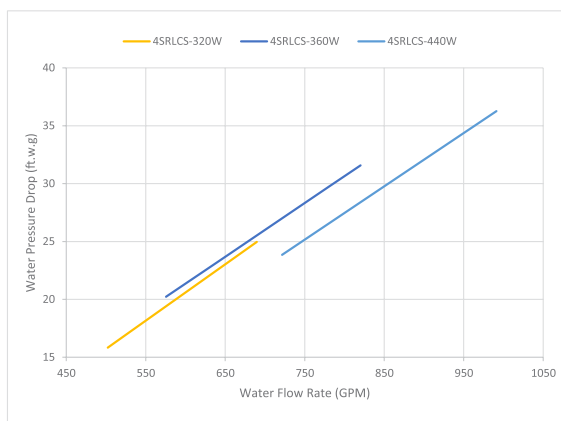
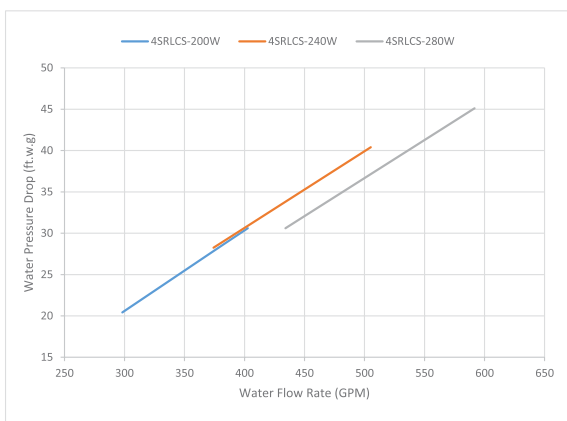
- The above data is subject to change without prior notice.



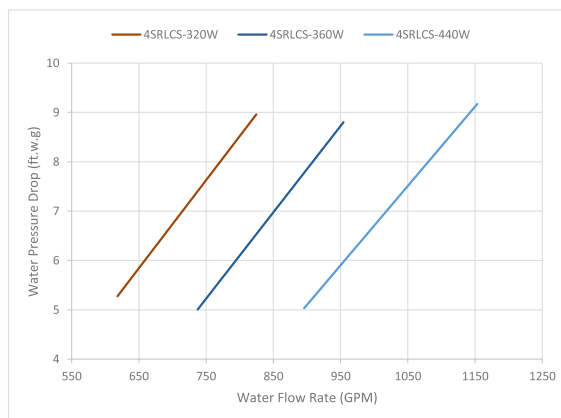
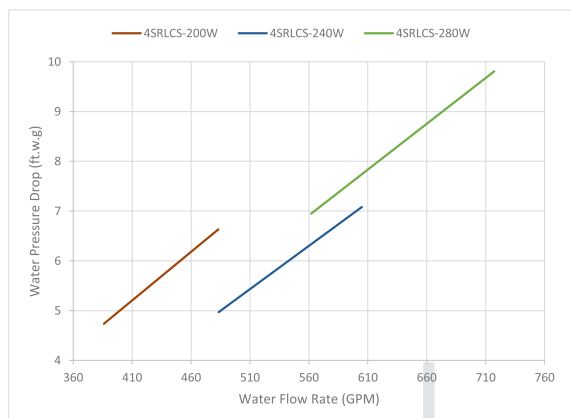
Evaporator/Condenser Pressure Drop (Cont.)

Screw Compressors Chillers (Four Circuits)

Evaporator Pressure Drop (Screw Compressor - R22 & R407C)



Condenser Pressure Drop (Screw Compressor - R22 & R407C)



NOTE

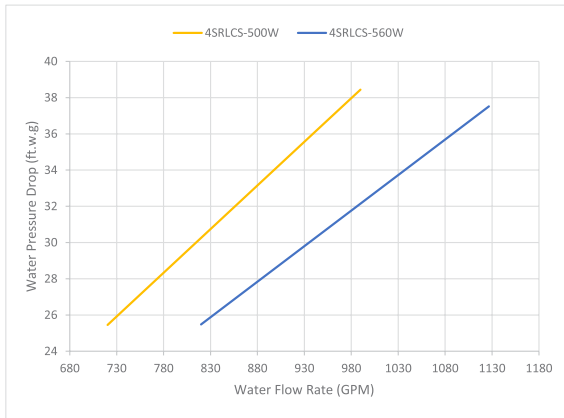
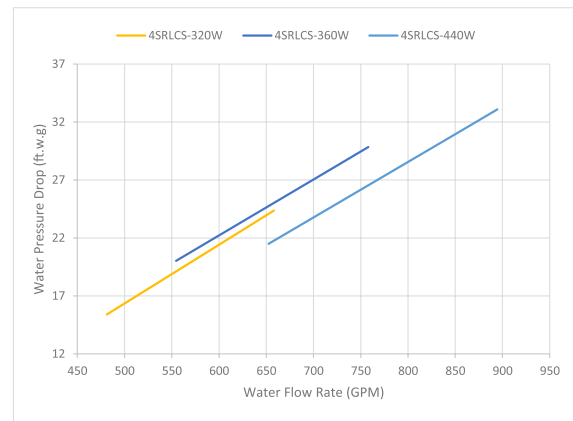
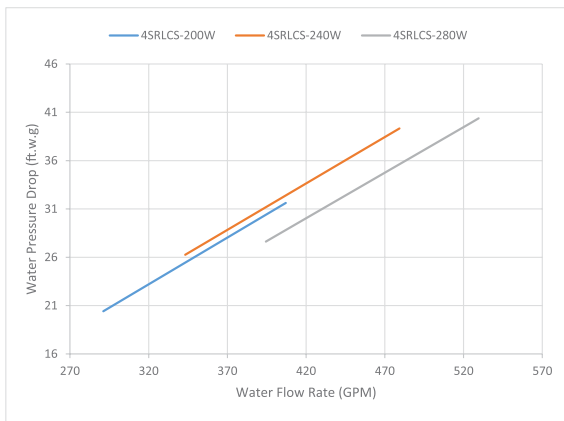
- The above data is subject to change without prior notice.



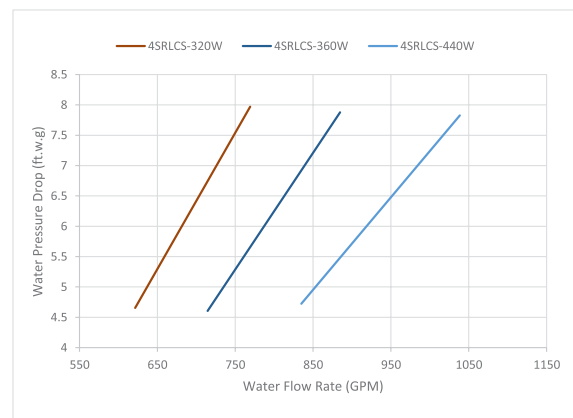
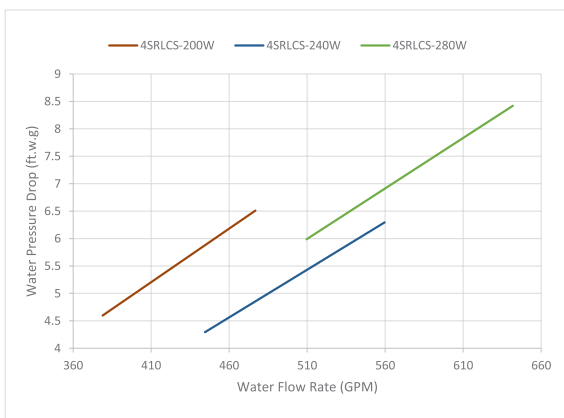
Evaporator/Condenser Pressure Drop (Cont.)

Screw Compressors Chillers (Four Circuits)

Evaporator Pressure Drop (Screw Compressor - R134a)



Condenser Pressure Drop (Screw Compressor - R134a)



NOTE

- The above data is subject to change without prior notice.



Technical Data

Table 12a: Technical Data (Scroll Compressor)

| Models | Refrigerant Charge (kg) | | | U.S. Gals | Oil Charge | | Weight (kg) | | | |
|-------------|-------------------------|-------|-------|-----------|------------|-------------|-------------|-------|-----------|-------|
| | R22 | R407C | R134a | | Type | | Net | | Oper. | |
| | | | | | R22 | R407C,R134a | R22,R407C | R134a | R22,R407C | R134a |
| 1SRLCH-5W | 3.1 | 2.9 | 3.1 | 0.44 | mineral | Polyolester | 178 | 207 | 208 | 201 |
| 1SRLCH-7.5W | 4.6 | 4.3 | 4.6 | 0.70 | mineral | Polyolester | 228 | 311 | 286 | 281 |
| 1SRLCH-10W | 6.3 | 6.0 | 6.4 | 0.89 | mineral | Polyolester | 294 | 343 | 335 | 343 |
| 1SRLCH-15W | 9.9 | 9.5 | 10.2 | 1.64 | mineral | Polyolester | 393 | 475 | 481 | 433 |
| 1SRLCH-20W | 11.6 | 11.1 | 11.9 | 2.11 | mineral | Polyolester | 493 | 572 | 548 | 575 |
| 1SRLCH-25W | 15.0 | 14.3 | 15.3 | 2.11 | mineral | Polyolester | 580 | 700 | 704 | 642 |
| 1SRLCH-30W | 17.4 | 16.7 | 17.8 | 2.22 | mineral | Polyolester | 655 | 746 | 737 | 750 |
| 2SRLCH-10W | 6.2 | 5.9 | 7.1 | 0.88 | mineral | Polyolester | 344 | 383 | 384 | 384 |
| 2SRLCH-15W | 8.5 | 8.3 | 10.1 | 1.40 | mineral | Polyolester | 403 | 517 | 466 | 502 |
| 2SRLCH-20W | 11.6 | 11.1 | 13.7 | 1.78 | mineral | Polyolester | 538 | 698 | 685 | 623 |
| 2SRLCH-30W | 14.6 | 14.0 | 15.0 | 3.28 | mineral | Polyolester | 738 | 819 | 829 | 822 |
| 2SRLCH-40W | 19.5 | 18.8 | 19.9 | 4.22 | mineral | Polyolester | 898 | 1102 | 1056 | 1049 |
| 2SRLCH-50W | 23.8 | 22.8 | 24.4 | 4.22 | mineral | Polyolester | 1053 | 1211 | 1218 | 1186 |
| 2SRLCH-60W | 28.7 | 27.4 | 29.3 | 4.44 | mineral | Polyolester | 1135 | 1304 | 1285 | 1311 |
| 3SRLCH-60W | 29.3 | 28.0 | 32.0 | 6.33 | mineral | Polyolester | 1304 | 1528 | 1861 | 1878 |
| 3SRLCH-75W | 39.0 | 37.5 | 45.0 | 6.33 | mineral | Polyolester | 1522 | 1778 | 2147 | 2539 |
| 3SRLCH-90W | 48.0 | 46.2 | 53.1 | 6.66 | mineral | Polyolester | 1702 | 2005 | 2616 | 2710 |
| 4SRLCH-60W | 31.6 | 30.2 | 32.2 | 6.56 | mineral | Polyolester | 1304 | 1528 | 1454 | 1536 |
| 4SRLCH-80W | 48.2 | 46.4 | 49.4 | 8.44 | mineral | Polyolester | 1721 | 2191 | 1786 | 1690 |
| 4SRLCH-100W | 65.3 | 62.7 | 66.7 | 8.44 | mineral | Polyolester | 2060 | 2508 | 1990 | 1955 |
| 4SRLCH-120W | 75.9 | 73.0 | 77.8 | 8.88 | mineral | Polyolester | 2209 | 2694 | 2542 | 2566 |

NOTE

- The above data is subject to change without notice.

Table 12b: Technical Data (Reciprocating Compressor)

| Models | Refrigerant Charge (kg) | | | Oil Charge | | | | Weight (kg) | | | |
|-------------|-------------------------|-------|-------|------------|-------|---------|-------------|-------------|-------|-----------|-------|
| | R22 | R407C | R134a | U.S. Gals | | Type | | Net | | Oper. | |
| | | | | R22,R407C | R134a | R22 | R407C,R134a | R22,R407C | R134a | R22,R407C | R134a |
| 1SRLCR-5W | 2.5 | 2.4 | 2.9 | 0.53 | 0.53 | mineral | Polyolester | 236 | 241 | 255 | 260 |
| 1SRLCR-7.5W | 3.8 | 3.6 | 4.3 | 0.53 | 0.69 | mineral | Polyolester | 284 | 355 | 318 | 389 |
| 1SRLCR-10W | 5.2 | 5.0 | 6.0 | 0.69 | 0.69 | mineral | Polyolester | 372 | 404 | 403 | 436 |
| 1SRLCR-15W | 8.3 | 8.0 | 9.5 | 0.69 | 0.69 | mineral | Polyolester | 475 | 480 | 522 | 529 |
| 1SRLCR-20W | 9.7 | 9.2 | 11.1 | 0.69 | 1.06 | mineral | Polyolester | 496 | 574 | 542 | 621 |
| 1SRLCR-25W | 12.5 | 11.9 | 14.3 | 1.06 | 1.19 | mineral | Polyolester | 665 | 687 | 737 | 760 |
| 1SRLCR-30W | 14.4 | 13.9 | 16.7 | 1.19 | 1.25 | mineral | Polyolester | 711 | 762 | 779 | 833 |
| 1SRLCR-35W | 17.8 | 17.1 | 20.4 | 1.25 | 1.25 | mineral | Polyolester | 841 | 846 | 945 | 952 |
| 1SRLCR-40W | 20.3 | 19.5 | 23.4 | 1.25 | 1.25 | mineral | Polyolester | 877 | 882 | 976 | 985 |
| 1SRLCR-50W | 23.7 | 22.8 | 27.3 | 1.25 | 1.32 | mineral | Polyolester | 995 | 1186 | 1133 | 1328 |
| 1SRLCR-60W | 27.0 | 26.0 | 31.2 | 1.32 | 1.32 | mineral | Polyolester | 1227 | 1269 | 1359 | 1406 |
| 2SRLCR-10W | 5.7 | 5.6 | 6.7 | 1.06 | 1.06 | mineral | Polyolester | 445 | 456 | 478 | 489 |
| 2SRLCR-15W | 8.3 | 7.8 | 9.4 | 1.06 | 1.38 | mineral | Polyolester | 481 | 621 | 530 | 671 |
| 2SRLCR-20W | 11.1 | 10.6 | 12.7 | 1.38 | 1.38 | mineral | Polyolester | 744 | 807 | 821 | 886 |
| 2SRLCR-30W | 14.0 | 13.6 | 16.1 | 1.38 | 1.38 | mineral | Polyolester | 838 | 848 | 911 | 924 |
| 2SRLCR-40W | 18.6 | 17.9 | 21.6 | 1.38 | 2.12 | mineral | Polyolester | 937 | 1091 | 1045 | 1202 |
| 2SRLCR-50W | 22.7 | 21.8 | 26.2 | 2.12 | 2.38 | mineral | Polyolester | 1156 | 1198 | 1284 | 1330 |
| 2SRLCR-60W | 27.4 | 26.5 | 31.5 | 2.38 | 2.50 | mineral | Polyolester | 1247 | 1349 | 1369 | 1475 |
| 2SRLCR-70W | 36.5 | 35.1 | 42.1 | 2.50 | 2.50 | mineral | Polyolester | 1524 | 1534 | 1687 | 1703 |
| 2SRLCR-80W | 42.0 | 40.5 | 48.3 | 2.50 | 2.50 | mineral | Polyolester | 1638 | 1648 | 1861 | 1878 |
| 2SRLCR-100W | 56.8 | 54.6 | 65.4 | 2.50 | 2.64 | mineral | Polyolester | 1849 | 2232 | 2147 | 2539 |
| 2SRLCR-120W | 66.2 | 63.6 | 76.2 | 2.64 | 2.64 | mineral | Polyolester | 2330 | 2415 | 2616 | 2710 |
| 3SRLCR-60W | 28.0 | 27.1 | 32.1 | 2.07 | 3.18 | mineral | Polyolester | 1314 | 1545 | 1437 | 1672 |
| 3SRLCR-75W | 39.2 | 37.7 | 45.2 | 3.18 | 3.57 | mineral | Polyolester | 1720 | 1783 | 1886 | 1955 |
| 3SRLCR-90W | 48.6 | 46.8 | 56.7 | 3.57 | 3.75 | mineral | Polyolester | 1887 | 2039 | 2117 | 2278 |
| 3SRLCR-105W | 59.7 | 57.3 | 68.6 | 3.75 | 3.75 | mineral | Polyolester | 2241 | 2257 | 2542 | 2566 |
| 3SRLCR-120W | 66.2 | 63.6 | 76.2 | 3.75 | 3.75 | mineral | Polyolester | 2355 | 2371 | 2641 | 2666 |
| 3SRLCR-150W | 81.0 | 76.5 | 91.5 | 3.75 | 3.96 | mineral | Polyolester | 2570 | 3144 | 2903 | 3487 |
| 3SRLCR-180W | 100.8 | 99.0 | 115.2 | 3.96 | 3.96 | mineral | Polyolester | 3400 | 3526 | 3930 | 4071 |
| 4SRLCR-80W | 43.8 | 42.1 | 50.4 | 2.76 | 4.24 | mineral | Polyolester | 1855 | 2164 | 2079 | 2395 |
| 4SRLCR-100W | 59.4 | 57.0 | 68.2 | 4.24 | 4.76 | mineral | Polyolester | 2365 | 2450 | 2664 | 2757 |
| 4SRLCR-120W | 69.0 | 66.4 | 79.5 | 4.76 | 5.00 | mineral | Polyolester | 2548 | 2751 | 2834 | 3048 |
| 4SRLCR-140W | 74.8 | 71.7 | 86.0 | 5.00 | 5.00 | mineral | Polyolester | 2951 | 2972 | 3275 | 3307 |
| 4SRLCR-160W | 89.0 | 85.4 | 102.3 | 5.00 | 5.00 | mineral | Polyolester | 2973 | 2994 | 3421 | 3455 |
| 4SRLCR-200W | 109.8 | 105.3 | 126.1 | 5.00 | 5.28 | mineral | Polyolester | 3955 | 4720 | 4673 | 5455 |
| 4SRLCR-240W | 120.7 | 115.9 | 138.7 | 5.28 | 5.28 | mineral | Polyolester | 4933 | 5102 | 5608 | 5794 |

NOTE

- The above data is subject to change without notice.



Technical Data (Cont.)

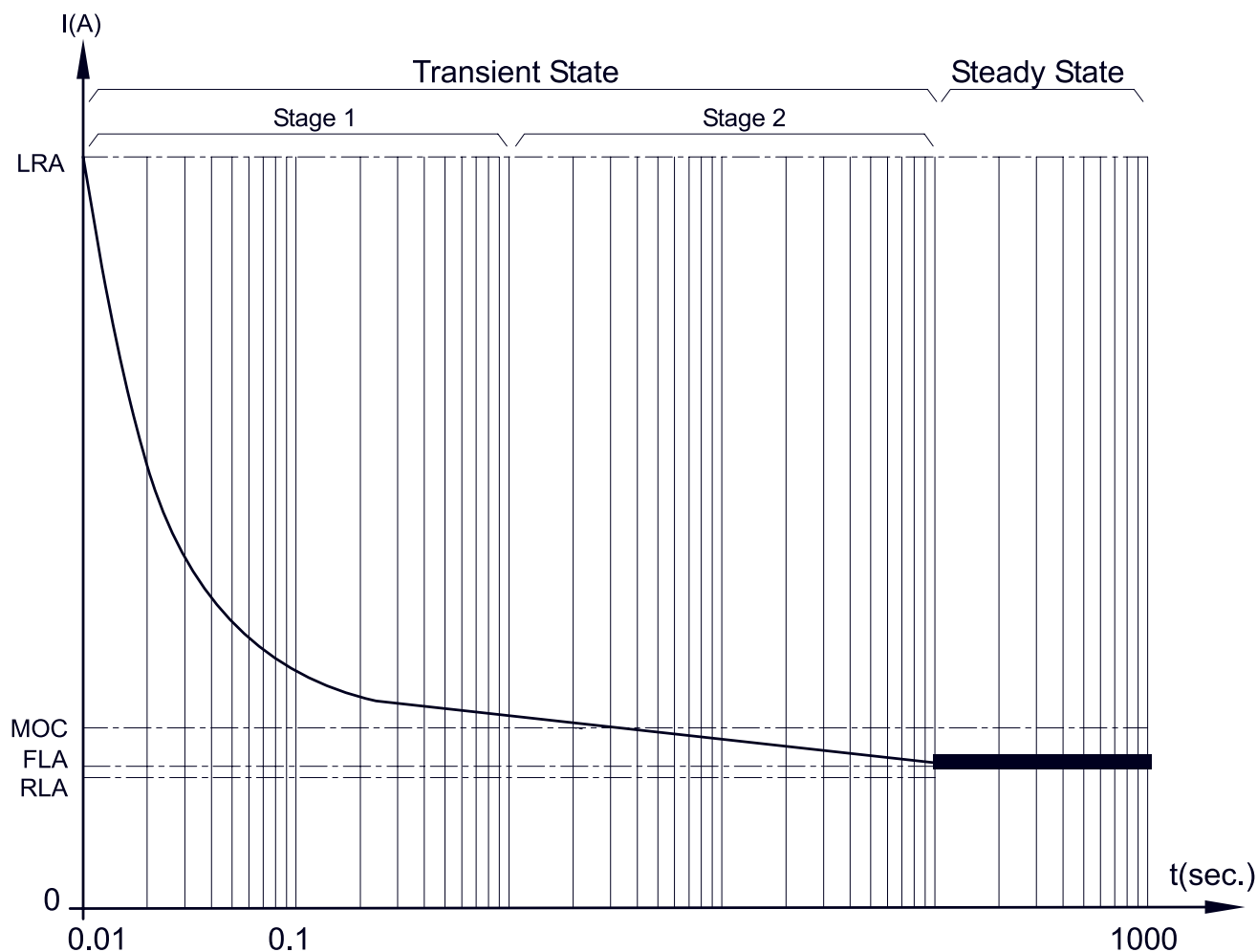
Table 12c: Technical Data (Screw Compressor)

| Models | Refrigerant Charge (kg) | | | Oil Charge | | | Weight (kg) | | | |
|-------------|-------------------------|-------|-------|------------|-------|-------------------|-------------|-------|-----------|-------|
| | R22 | R407C | R134a | U.S. Gals | | Type | Net | | Oper. | |
| | | | | R22,R407C | R134a | R22, R407C, R134a | R22,R407C | R134a | R22,R407C | R134a |
| 1SRLCS-50W | 26.4 | 25.4 | 27.8 | 2.51 | 3.96 | Polyolester | 954 | 1215 | 1089 | 1349 |
| 1SRLCS-60W | 30.2 | 29.0 | 31.9 | 2.51 | 3.96 | Polyolester | 992 | 1259 | 1120 | 1386 |
| 1SRLCS-70W | 35.5 | 34.1 | 37.4 | 3.96 | 3.96 | Polyolester | 1330 | 1351 | 1486 | 1505 |
| 1SRLCS-80W | 40.7 | 39.1 | 43.0 | 3.96 | 5.81 | Polyolester | 1431 | 1863 | 1646 | 2076 |
| 1SRLCS-90W | 50.6 | 48.5 | 53.3 | 3.96 | 5.81 | Polyolester | 1541 | 1973 | 1741 | 2171 |
| 1SRLCS-110W | 60.3 | 58.0 | 63.7 | 5.81 | 5.81 | Polyolester | 2098 | 2125 | 2376 | 2401 |
| 1SRLCS-125W | 64.1 | 61.6 | 67.6 | 5.81 | 5.02 | Polyolester | 2149 | 2190 | 2420 | 2459 |
| 1SRLCS-140W | 69.4 | 66.7 | 73.2 | 5.81 | 5.02 | Polyolester | 2344 | 2398 | 2652 | 2703 |
| 2SRLCS-100W | 57.9 | 55.5 | 61.0 | 5.02 | 7.92 | Polyolester | 1782 | 2303 | 2067 | 2591 |
| 2SRLCS-120W | 67.3 | 64.7 | 71.0 | 5.02 | 7.92 | Polyolester | 1871 | 2406 | 2142 | 2680 |
| 2SRLCS-140W | 72.9 | 70.1 | 76.8 | 7.92 | 7.92 | Polyolester | 2574 | 2614 | 2881 | 2925 |
| 2SRLCS-160W | 86.7 | 83.3 | 91.5 | 7.92 | 11.62 | Polyolester | 2772 | 3636 | 3201 | 4069 |
| 2SRLCS-180W | 106.9 | 102.7 | 112.7 | 7.92 | 11.62 | Polyolester | 3052 | 3916 | 3564 | 4433 |
| 2SRLCS-220W | 117.7 | 113.0 | 124.0 | 11.62 | 11.62 | Polyolester | 4326 | 4380 | 5024 | 5085 |
| 2SRLCS-250W | 147.9 | 142.1 | 156.0 | 11.62 | 10.04 | Polyolester | 4546 | 4627 | 5214 | 5302 |
| 2SRLCS-280W | 161.6 | 155.2 | 170.4 | 11.62 | 10.04 | Polyolester | 4692 | 4800 | 5341 | 5456 |
| 3SRLCS-150W | 79.5 | 75.0 | 84.0 | 7.53 | 11.88 | Polyolester | 2673 | 3454 | 2673 | 3454 |
| 3SRLCS-180W | 108.0 | 104.4 | 113.4 | 7.53 | 11.88 | Polyolester | 2925 | 3727 | 2925 | 3727 |
| 3SRLCS-210W | 112.3 | 107.8 | 118.4 | 11.88 | 11.88 | Polyolester | 4143 | 4204 | 4143 | 4204 |
| 3SRLCS-240W | 142.0 | 136.4 | 149.8 | 11.88 | 17.43 | Polyolester | 4357 | 5653 | 4357 | 5653 |
| 3SRLCS-270W | 155.8 | 149.7 | 164.3 | 11.88 | 17.43 | Polyolester | 4517 | 5813 | 4517 | 5813 |
| 4SRLCS-200W | 126.1 | 121.2 | 133.0 | 10.04 | 15.84 | Polyolester | 3608 | 4650 | 4172 | 5220 |
| 4SRLCS-240W | 142.7 | 137.0 | 150.5 | 10.04 | 15.84 | Polyolester | 3841 | 4910 | 4533 | 5608 |
| 4SRLCS-280W | 171.0 | 164.2 | 180.3 | 15.84 | 15.84 | Polyolester | 5136 | 5217 | 5787 | 5876 |
| 4SRLCS-320W | 173.4 | 166.7 | 183.0 | 15.84 | 23.24 | Polyolester | 5545 | 7273 | 6402 | 8138 |
| 4SRLCS-360W | 213.7 | 205.4 | 225.4 | 15.84 | 23.24 | Polyolester | 6105 | 7833 | 7128 | 8866 |
| 4SRLCS-440W | 235.3 | 225.9 | 248.0 | 23.24 | 23.24 | Polyolester | 8240 | 8348 | 9638 | 9758 |
| 4SRLCS-500W | 295.9 | 284.2 | 312.0 | 23.24 | 20.08 | Polyolester | 8681 | 8843 | 10016 | 10193 |
| 4SRLCS-560W | 323.2 | 310.4 | 340.9 | 23.24 | 20.08 | Polyolester | 8973 | 9189 | 10270 | 10502 |

NOTE

- The above data is subject to change without notice.

Electrical Schematic Curve at the Start-Up



NOTE

- The transient stage is drastically reduce in chillers that utilize unloaders or part winding start method so it curve differs from the above.

Locked Rotor Amps (LRA):

Peak of transient electrical current at the instant of compressor motor start-up.(stage1).

Maximum Operating Current (MOC):

Maximum electrical current tolerates by compressormotor. This current exists only when the system has been idle (warm evaporator, condenser & connecting piping) & lasts for a short period until the system reaches the steady state condition.

Other wise the stage 2 of transient state on the graph can be ignored.

Full Load Amps (FLA):

Maximum electrical drawn at the most undesirable system working condition under steady state operation.

Rated Load Amps (RLA):

Nominal electrical current drawn at normal working condition under steady state operation.



Electrical Data (Cont.)

Table 13a: Water Chiller Electrical Data (Scroll Compressor) - R22

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|------|------|-------|--------|-------|-------|------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCH-5W | 5 | D.O.L | 7 | 7.95 | 11 | 65.5 | 4.15 | 7 | 7.95 | 4.15 | 4*2.5 |
| 1SRLCH-7.5W | 7.5 | D.O.L | 9.95 | 11.5 | 15.9 | 95 | 6.05 | 9.95 | 11.5 | 6.05 | 4*2.5 |
| 1SRLCH-10W | 10 | D.O.L | 12.7 | 14.55 | 19.6 | 118 | 8.05 | 12.7 | 14.55 | 8.05 | 4*4 |
| 1SRLCH-15W | 15 | D.O.L | 20.15 | 22.45 | 35 | 175 | 12.25 | 20.15 | 22.45 | 12.25 | 4*6 |
| 1SRLCH-20W | 20 | D.O.L | 25.5 | 29.15 | 50 | 215 | 16.7 | 25.5 | 29.15 | 16.7 | 4*10 |
| 1SRLCH-25W | 25 | D.O.L | 32.55 | 37.2 | 69 | 270 | 21.3 | 32.55 | 37.2 | 21.3 | 4*10 |
| 1SRLCH-30W | 30 | D.O.L | 36.5 | 42.4 | 79 | 300 | 25.25 | 36.5 | 42.4 | 25.25 | 4*16 |
| 2SRLCH-10W | 5 | D.O.L | 7 | 7.95 | 11 | 65.5 | 4.15 | 14 | 15.9 | 8.3 | 4*4 |
| 2SRLCH-15W | 7.5 | D.O.L | 9.95 | 11.5 | 15.9 | 95 | 6.05 | 19.9 | 23 | 12.1 | 4*6 |
| 2SRLCH-20W | 10 | D.O.L | 12.7 | 14.55 | 19.6 | 118 | 8.05 | 25.4 | 29.1 | 16.1 | 4*10 |
| 2SRLCH-30W | 15 | D.O.L | 20.15 | 22.45 | 35 | 175 | 12.25 | 40.3 | 44.9 | 24.5 | 4*16 |
| 2SRLCH-40W | 20 | D.O.L | 25.5 | 29.15 | 50 | 215 | 16.7 | 51 | 58.3 | 33.4 | 3*25/16 |
| 2SRLCH-50W | 25 | D.O.L | 32.55 | 37.2 | 69 | 270 | 21.3 | 65.1 | 74.4 | 42.6 | 3*35/16 |
| 2SRLCH-60W | 30 | D.O.L | 36.5 | 42.4 | 79 | 300 | 25.25 | 73 | 84.8 | 50.5 | 3*35/16 |
| 3SRLCH-60W | 20 | D.O.L | 25.5 | 29.15 | 50 | 215 | 16.7 | 76.5 | 87.45 | 50.1 | 3*35/16 |
| 3SRLCH-75W | 25 | D.O.L | 32.55 | 37.2 | 69 | 270 | 21.3 | 97.65 | 111.6 | 63.9 | 3*70/35 |
| 3SRLCH-90W | 30 | D.O.L | 36.5 | 42.4 | 79 | 300 | 25.25 | 109.5 | 127.2 | 75.75 | 3*70/35 |
| 4SRLCH-60W | 15 | D.O.L | 20.15 | 22.45 | 35 | 175 | 12.25 | 80.6 | 89.8 | 49 | 3*35/16 |
| 4SRLCH-80W | 20 | D.O.L | 25.5 | 29.15 | 50 | 215 | 16.7 | 102 | 116.6 | 66.8 | 3*70/35 |
| 4SRLCH-100W | 25 | D.O.L | 32.55 | 37.2 | 69 | 270 | 21.3 | 130.2 | 148.8 | 85.2 | 3*95/50 |
| 4SRLCH-120W | 30 | D.O.L | 36.5 | 42.4 | 79 | 300 | 25.25 | 146 | 169.6 | 101 | 3*95/50 |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition
- All above data subject to change without notice.



Electrical Data (Cont.)

Table 13b: Water Chiller Electrical Data(Scroll Compressor) - R407C

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|------|-----|-------|--------|--------|-------|------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCH-5W | 5 | D.O.L | 6.2 | 6.9 | 12 | 59 | 3.85 | 6.2 | 6.9 | 3.85 | 4*2.5 |
| 1SRLCH-7.5W | 7.5 | D.O.L | 10.55 | 11.7 | 15.9 | 95 | 6 | 10.55 | 11.7 | 6 | 4*2.5 |
| 1SRLCH-10W | 10 | D.O.L | 12.85 | 14.6 | 19.6 | 118 | 7.9 | 12.85 | 14.6 | 7.9 | 4*4 |
| 1SRLCH-15W | 15 | D.O.L | 20.6 | 22.9 | 35 | 175 | 12.25 | 20.6 | 22.9 | 12.25 | 4*6 |
| 1SRLCH-20W | 20 | D.O.L | 25.15 | 28.7 | 50 | 215 | 16.75 | 25.15 | 28.7 | 16.75 | 4*10 |
| 1SRLCH-25W | 25 | D.O.L | 30.8 | 35.65 | 69 | 270 | 20.5 | 30.8 | 35.65 | 20.5 | 4*10 |
| 1SRLCH-30W | 30 | D.O.L | 36 | 41.3 | 79 | 300 | 24.95 | 36 | 41.3 | 24.95 | 4*16 |
| 2SRLCH-10W | 5 | D.O.L | 6.2 | 6.9 | 12 | 59 | 3.85 | 12.4 | 13.8 | 7.7 | 4*4 |
| 2SRLCH-15W | 7.5 | D.O.L | 10.55 | 11.7 | 15.9 | 95 | 6 | 21.1 | 23.4 | 12 | 4*6 |
| 2SRLCH-20W | 10 | D.O.L | 12.85 | 14.6 | 19.6 | 118 | 7.9 | 25.7 | 29.2 | 15.8 | 4*10 |
| 2SRLCH-30W | 15 | D.O.L | 20.6 | 22.9 | 35 | 175 | 12.25 | 41.2 | 45.8 | 24.5 | 4*16 |
| 2SRLCH-40W | 20 | D.O.L | 25.15 | 28.7 | 50 | 215 | 16.75 | 50.3 | 57.4 | 33.5 | 3*25/16 |
| 2SRLCH-50W | 25 | D.O.L | 30.8 | 35.65 | 69 | 270 | 20.5 | 61.6 | 71.3 | 41 | 3*35/16 |
| 2SRLCH-60W | 30 | D.O.L | 36 | 41.3 | 79 | 300 | 24.95 | 72 | 82.6 | 49.9 | 3*35/16 |
| 3SRLCH-60W | 20 | D.O.L | 25.15 | 28.7 | 50 | 215 | 16.75 | 75.45 | 86.1 | 50.25 | 3*35/16 |
| 3SRLCH-75W | 25 | D.O.L | 30.8 | 35.65 | 69 | 270 | 20.5 | 92.4 | 106.95 | 61.5 | 3*50/25 |
| 3SRLCH-90W | 30 | D.O.L | 36 | 41.3 | 79 | 300 | 24.95 | 108 | 123.9 | 74.85 | 3*70/35 |
| 4SRLCH-60W | 15 | D.O.L | 20.6 | 22.9 | 35 | 175 | 12.25 | 82.4 | 91.6 | 49 | 3*35/16 |
| 4SRLCH-80W | 20 | D.O.L | 25.15 | 28.7 | 50 | 215 | 16.75 | 100.6 | 114.8 | 67 | 3*70/35 |
| 4SRLCH-100W | 25 | D.O.L | 30.8 | 35.65 | 69 | 270 | 20.5 | 123.2 | 142.6 | 82 | 3*95/50 |
| 4SRLCH-120W | 30 | D.O.L | 36 | 41.3 | 79 | 300 | 24.95 | 144 | 165.2 | 99.8 | 3*95/50 |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition
- All above data subject to change without notice.



Electrical Data (Cont.)

Table 13c: Water Chiller Electrical Data (Scroll Compressor) - R134a

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|------|------|------|--------|-------|------|------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCH-5W | 5 | D.O.L | 5.15 | 5.6 | 11 | 65.5 | 2.7 | 5.15 | 5.6 | 2.7 | 4*2.5 |
| 1SRLCH-7.5W | 7.5 | D.O.L | 9.05 | 9.65 | 15.9 | 95 | 4.15 | 9.05 | 9.65 | 4.15 | 4*2.5 |
| 1SRLCH-10W | 10 | D.O.L | 10.65 | 11.55 | 19.6 | 118 | 5.35 | 10.65 | 11.55 | 5.35 | 4*2.5 |
| 1SRLCH-15W | 15 | D.O.L | 20 | 21.15 | 34 | 174 | 8.5 | 20 | 21.15 | 8.5 | 4*4 |
| 1SRLCH-20W | 20 | D.O.L | 20.3 | 22.3 | 50 | 215 | 11.5 | 20.3 | 22.3 | 11.5 | 4*6 |
| 1SRLCH-25W | 25 | D.O.L | 25.75 | 28.3 | 69 | 270 | 14.4 | 25.75 | 28.3 | 14.4 | 4*6 |
| 1SRLCH-30W | 30 | D.O.L | 27.5 | 30.7 | 79 | 300 | 17.2 | 27.5 | 30.7 | 17.2 | 4*10 |
| 2SRLCH-10W | 5 | D.O.L | 5.15 | 5.6 | 11 | 65.5 | 2.7 | 10.3 | 11.2 | 5.4 | 4*2.5 |
| 2SRLCH-15W | 7.5 | D.O.L | 9.05 | 9.65 | 15.9 | 95 | 4.15 | 18.1 | 19.3 | 8.3 | 4*4 |
| 2SRLCH-20W | 10 | D.O.L | 10.65 | 11.55 | 19.6 | 118 | 5.35 | 21.3 | 23.1 | 10.7 | 4*6 |
| 2SRLCH-30W | 15 | D.O.L | 20 | 21.15 | 34 | 174 | 8.5 | 40 | 42.3 | 17 | 4*10 |
| 2SRLCH-40W | 20 | D.O.L | 20.3 | 22.3 | 50 | 215 | 11.5 | 40.6 | 44.6 | 23 | 4*16 |
| 2SRLCH-50W | 25 | D.O.L | 25.75 | 28.3 | 69 | 270 | 14.4 | 51.5 | 56.6 | 28.8 | 3*25/16 |
| 2SRLCH-60W | 30 | D.O.L | 27.5 | 30.7 | 79 | 300 | 17.2 | 55 | 61.4 | 34.4 | 3*25/16 |
| 3SRLCH-60W | 20 | D.O.L | 20.3 | 22.3 | 50 | 215 | 11.5 | 60.9 | 66.9 | 34.5 | 3*25/16 |
| 3SRLCH-75W | 25 | D.O.L | 25.75 | 28.3 | 69 | 270 | 14.4 | 77.25 | 84.9 | 43.2 | 3*35/16 |
| 3SRLCH-90W | 30 | D.O.L | 27.5 | 30.7 | 79 | 300 | 17.2 | 82.5 | 92.1 | 51.6 | 3*50/25 |
| 4SRLCH-60W | 15 | D.O.L | 20 | 21.15 | 34 | 174 | 8.5 | 80 | 84.6 | 34 | 3*35/16 |
| 4SRLCH-80W | 20 | D.O.L | 20.3 | 22.3 | 50 | 215 | 11.5 | 81.2 | 89.2 | 46 | 3*35/16 |
| 4SRLCH-100W | 25 | D.O.L | 25.75 | 28.3 | 69 | 270 | 14.4 | 103 | 113.2 | 57.6 | 3*70/35 |
| 4SRLCH-120W | 30 | D.O.L | 27.5 | 30.7 | 79 | 300 | 17.2 | 110 | 122.8 | 68.8 | 3*70/35 |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition.
- All above data subject to change without notice.

Table 1-10-10-1 Chiller Electrical Data(Reciprocating Compressor) - R22

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|------|------|---------|-------|--------|-------|-------|--------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCR-5W | 5 | D.O.L | 7.45 | 8.5 | 10.8 | 62.2 | 4.71 | 7.45 | 8.5 | 4.71 | 4*2.5 |
| 1SRLCR-7.5W | 7.5 | D.O.L | 10.7 | 12.4 | 16.5 | 82.4 | 7.1 | 10.7 | 12.4 | 7.1 | 4*2.5 |
| 1SRLCR-10W | 10 | PW | 14 | 15.8 | 19.9 | 59/99 | 9 | 14 | 15.8 | 9 | 4*4 |
| 1SRLCR-15W | 15 | PW | 19.05 | 22.1 | 28.2 | 81/132 | 12.65 | 19.05 | 22.1 | 12.65 | 4*6 |
| 1SRLCR-20W | 20 | PW | 21.6 | 25.2 | 33.2 | 97/158 | 14.8 | 21.6 | 25.2 | 14.8 | 4*6 |
| 1SRLCR-25W | 25 | PW | 29 | 33.9 | 44 | 125/211 | 19.75 | 29 | 33.9 | 19.75 | 4*10 |
| 1SRLCR-30W | 30 | PW | 34.1 | 39.8 | 51.2 | 141/233 | 22.7 | 34.1 | 39.8 | 22.7 | 4*16 |
| 1SRLCR-35W | 35 | PW | 44.3 | 52.1 | 64.4 | 165/275 | 30 | 44.3 | 52.1 | 30 | 4*16 |
| 1SRLCR-40W | 40 | PW | 52.7 | 60.5 | 73.9 | 219/362 | 34.1 | 52.7 | 60.5 | 34.1 | 3*25/16 |
| 1SRLCR-50W | 50 | PW | 71.9 | 79.7 | 96.2 | 226/404 | 41.3 | 71.9 | 79.7 | 41.3 | 3*35/16 |
| 1SRLCR-60W | 60 | PW | 82.5 | 94.6 | 113 | 349/513 | 50.7 | 82.5 | 94.6 | 50.7 | 3*50/25 |
| 2SRLCR-10W | 5 | D.O.L | 7.45 | 8.5 | 10.8 | 62.2 | 4.71 | 14.9 | 17 | 9.42 | 4*4 |
| 2SRLCR-15W | 7.5 | D.O.L | 10.7 | 12.4 | 16.5 | 82.4 | 7.1 | 21.4 | 24.8 | 14.2 | 4*6 |
| 2SRLCR-20W | 10 | PW | 14 | 15.8 | 19.9 | 59/99 | 9 | 28 | 31.6 | 18 | 4*10 |
| 2SRLCR-30W | 15 | PW | 19.05 | 22.1 | 28.2 | 81/132 | 12.65 | 38.1 | 44.2 | 25.3 | 4*16 |
| 2SRLCR-40W | 20 | PW | 21.6 | 25.2 | 33.2 | 97/158 | 14.8 | 43.2 | 50.4 | 29.6 | 4*16 |
| 2SRLCR-50W | 25 | PW | 29 | 33.9 | 44 | 125/211 | 19.75 | 58 | 67.8 | 39.5 | 3*25/16 |
| 2SRLCR-60W | 30 | PW | 34.1 | 39.8 | 51.2 | 141/233 | 22.7 | 68.2 | 79.6 | 45.4 | 3*35/16 |
| 2SRLCR-70W | 35 | PW | 44.3 | 52.1 | 64.4 | 165/275 | 30 | 88.6 | 104.2 | 60 | 3*50/25 |
| 2SRLCR-80W | 40 | PW | 52.7 | 60.5 | 73.9 | 219/362 | 34.1 | 105.4 | 121 | 68.2 | 3*70/35 |
| 2SRLCR-100W | 50 | PW | 71.9 | 79.7 | 96.2 | 226/404 | 41.3 | 143.8 | 159.4 | 82.6 | 3*95/50 |
| 2SRLCR-120W | 60 | PW | 82.5 | 94.6 | 113 | 349/513 | 50.7 | 165 | 189.2 | 101.4 | 3*120/70 |
| 3SRLCR-60W | 20 | PW | 21.6 | 25.2 | 33.2 | 97/158 | 14.8 | 64.8 | 75.6 | 44.4 | 3*35/16 |
| 3SRLCR-75W | 25 | PW | 29 | 33.9 | 44 | 125/211 | 19.75 | 87 | 101.7 | 59.25 | 3*50/25 |
| 3SRLCR-90W | 30 | PW | 34.1 | 39.8 | 51.2 | 141/233 | 22.7 | 102.3 | 119.4 | 68.1 | 3*70/35 |
| 3SRLCR-105W | 35 | PW | 44.3 | 52.1 | 64.4 | 165/275 | 30 | 132.9 | 156.3 | 90 | 3*95/50 |
| 3SRLCR-120W | 40 | PW | 52.7 | 60.5 | 73.9 | 219/362 | 34.1 | 158.1 | 181.5 | 102.3 | 3*120/70 |
| 3SRLCR-150W | 50 | PW | 71.9 | 79.7 | 96.2 | 226/404 | 41.3 | 215.7 | 239.1 | 123.9 | 3*185/95 |
| 3SRLCR-180W | 60 | PW | 82.5 | 94.6 | 113 | 349/513 | 50.7 | 247.5 | 283.8 | 152.1 | 3*240/120 |
| 4SRLCR-80W | 20 | PW | 21.6 | 25.2 | 33.2 | 97/158 | 14.8 | 86.4 | 100.8 | 59.2 | 3*50/25 |
| 4SRLCR-100W | 25 | PW | 29 | 33.9 | 44 | 125/211 | 19.75 | 116 | 135.6 | 79 | 3*70/35 |
| 4SRLCR-120W | 30 | PW | 34.1 | 39.8 | 51.2 | 141/233 | 22.7 | 136.4 | 159.2 | 90.8 | 3*95/50 |
| 4SRLCR-140W | 35 | PW | 44.3 | 52.1 | 64.4 | 165/275 | 30 | 177.2 | 208.4 | 120 | 3*150/70 |
| 4SRLCR-160W | 40 | PW | 52.7 | 60.5 | 73.9 | 219/362 | 34.1 | 210.8 | 242 | 136.4 | 3*185/95 |
| 4SRLCR-200W | 50 | PW | 71.9 | 79.7 | 96.2 | 226/404 | 41.3 | 287.6 | 318.8 | 165.2 | 2*(3*95/50) |
| 4SRLCR-240W | 60 | PW | 82.5 | 94.6 | 113 | 349/513 | 50.7 | 330 | 378.4 | 202.8 | 2*(3*120/70) |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- PW: Part Winding Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition
- All above data subject to change without notice.

Table 1-1 Water Chiller Electrical Data (Reciprocating Compressor) - R407C

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|------|------|---------|-------|--------|-------|-------|--------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCR-5W | 5 | D.O.L | 7.53 | 8.75 | 10.8 | 62.2 | 4.9 | 7.53 | 8.75 | 4.9 | 4*2.5 |
| 1SRLCR-7.5W | 7.5 | D.O.L | 10.75 | 12.7 | 16.5 | 82.4 | 7.35 | 10.75 | 12.7 | 7.35 | 4*2.5 |
| 1SRLCR-10W | 10 | PW | 13.1 | 15.2 | 19.9 | 59/99 | 8.65 | 13.1 | 15.2 | 8.65 | 4*4 |
| 1SRLCR-15W | 15 | PW | 18.35 | 21.3 | 28.2 | 81/132 | 12.1 | 18.35 | 21.3 | 12.1 | 4*6 |
| 1SRLCR-20W | 20 | PW | 20.8 | 24.3 | 33.2 | 97/158 | 14.15 | 20.8 | 24.3 | 14.15 | 4*6 |
| 1SRLCR-25W | 25 | PW | 28.4 | 33.6 | 44 | 125/211 | 19.5 | 28.4 | 33.6 | 19.5 | 4*10 |
| 1SRLCR-30W | 30 | PW | 33.8 | 39.8 | 51.2 | 141/233 | 22.7 | 33.8 | 39.8 | 22.7 | 4*16 |
| 1SRLCR-35W | 35 | PW | 42.7 | 50.9 | 64.4 | 165/275 | 29.2 | 42.7 | 50.9 | 29.2 | 4*16 |
| 1SRLCR-40W | 40 | PW | 51.9 | 60.3 | 73.9 | 219/362 | 34 | 51.9 | 60.3 | 34 | 3*25/16 |
| 1SRLCR-50W | 50 | PW | 70.1 | 78.6 | 96.2 | 226/404 | 40.3 | 70.1 | 78.6 | 40.3 | 3*35/16 |
| 1SRLCR-60W | 60 | PW | 81.8 | 94.7 | 113 | 349/513 | 50.7 | 81.8 | 94.7 | 50.7 | 3*50/25 |
| 2SRLCR-10W | 5 | D.O.L | 7.53 | 8.75 | 10.8 | 62.2 | 4.9 | 15.06 | 17.5 | 9.8 | 4*4 |
| 2SRLCR-15W | 7.5 | D.O.L | 10.75 | 12.7 | 16.5 | 82.4 | 7.35 | 21.5 | 25.4 | 14.7 | 4*6 |
| 2SRLCR-20W | 10 | PW | 13.1 | 15.2 | 19.9 | 59/99 | 8.65 | 26.2 | 30.4 | 17.3 | 4*10 |
| 2SRLCR-30W | 15 | PW | 18.35 | 21.3 | 28.2 | 81/132 | 12.1 | 36.7 | 42.6 | 24.2 | 4*16 |
| 2SRLCR-40W | 20 | PW | 20.8 | 24.3 | 33.2 | 97/158 | 14.15 | 41.6 | 48.6 | 28.3 | 4*16 |
| 2SRLCR-50W | 25 | PW | 28.4 | 33.6 | 44 | 125/211 | 19.5 | 56.8 | 67.2 | 39 | 3*25/16 |
| 2SRLCR-60W | 30 | PW | 33.8 | 39.8 | 51.2 | 141/233 | 22.7 | 67.6 | 79.6 | 45.4 | 3*35/16 |
| 2SRLCR-70W | 35 | PW | 42.7 | 50.9 | 64.4 | 165/275 | 29.2 | 85.4 | 101.8 | 58.4 | 3*50/25 |
| 2SRLCR-80W | 40 | PW | 51.9 | 60.3 | 73.9 | 219/362 | 34 | 103.8 | 120.6 | 68 | 3*70/35 |
| 2SRLCR-100W | 50 | PW | 70.1 | 78.6 | 96.2 | 226/404 | 40.3 | 140.2 | 157.2 | 80.6 | 3*95/50 |
| 2SRLCR-120W | 60 | PW | 81.8 | 94.7 | 113 | 349/513 | 50.7 | 163.6 | 189.4 | 101.4 | 3*120/70 |
| 3SRLCR-60W | 20 | PW | 20.8 | 24.3 | 33.2 | 97/158 | 14.15 | 62.4 | 72.9 | 42.45 | 3*35/16 |
| 3SRLCR-75W | 25 | PW | 28.4 | 33.6 | 44 | 125/211 | 19.5 | 85.2 | 100.8 | 58.5 | 3*50/25 |
| 3SRLCR-90W | 30 | PW | 33.8 | 39.8 | 51.2 | 141/233 | 22.7 | 101.4 | 119.4 | 68.1 | 3*70/35 |
| 3SRLCR-105W | 35 | PW | 42.7 | 50.9 | 64.4 | 165/275 | 29.2 | 128.1 | 152.7 | 87.6 | 3*95/50 |
| 3SRLCR-120W | 40 | PW | 51.9 | 60.3 | 73.9 | 219/362 | 34 | 155.7 | 180.9 | 102 | 3*120/70 |
| 3SRLCR-150W | 50 | PW | 70.1 | 78.6 | 96.2 | 226/404 | 40.3 | 210.3 | 235.8 | 120.9 | 3*185/95 |
| 3SRLCR-180W | 60 | PW | 81.8 | 94.7 | 113 | 349/513 | 50.7 | 245.4 | 284.1 | 152.1 | 3*240/120 |
| 4SRLCR-80W | 20 | PW | 20.8 | 24.3 | 33.2 | 97/158 | 14.15 | 83.2 | 97.2 | 56.6 | 3*50/25 |
| 4SRLCR-100W | 25 | PW | 28.4 | 33.6 | 44 | 125/211 | 19.5 | 113.6 | 134.4 | 78 | 3*70/35 |
| 4SRLCR-120W | 30 | PW | 33.8 | 39.8 | 51.2 | 141/233 | 22.7 | 135.2 | 159.2 | 90.8 | 3*95/50 |
| 4SRLCR-140W | 35 | PW | 42.7 | 50.9 | 64.4 | 165/275 | 29.2 | 170.8 | 203.6 | 116.8 | 3*150/70 |
| 4SRLCR-160W | 40 | PW | 51.9 | 60.3 | 73.9 | 219/362 | 34 | 207.6 | 241.2 | 136 | 3*185/95 |
| 4SRLCR-200W | 50 | PW | 70.1 | 78.6 | 96.2 | 226/404 | 40.3 | 280.4 | 314.4 | 161.2 | 2*(3*95/50) |
| 4SRLCR-240W | 60 | PW | 81.8 | 94.7 | 113 | 349/513 | 50.7 | 327.2 | 378.8 | 202.8 | 2*(3*120/70) |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- PW: Part Winding Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition
- All above data subject to change without notice.

Table 14c: Water Chiller Electrical Data (Reciprocating Compressor) - R134a

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|------|-------|------|---------|-------|--------|-------|-------|-------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCR-5W | 5 | D.O.L | 7.5 | 8.8 | 14.5 | 62.2 | 4.95 | 7.5 | 8.8 | 4.95 | 4*2.5 |
| 1SRLCR-7.5W | 7.5 | PW | 9 | 10.65 | 16.6 | 39/68 | 6.1 | 9 | 10.65 | 6.1 | 4*2.5 |
| 1SRLCR-10W | 10 | PW | 12.5 | 14.65 | 22.7 | 59/99 | 8.25 | 12.5 | 14.65 | 8.25 | 4*4 |
| 1SRLCR-15W | 15 | PW | 14.3 | 17 | 26.6 | 69/113 | 9.8 | 14.3 | 17 | 9.8 | 4*4 |
| 1SRLCR-20W | 20 | PW | 19.5 | 22.9 | 36.7 | 97/158 | 13.2 | 19.5 | 22.9 | 13.2 | 4*6 |
| 1SRLCR-25W | 25 | PW | 22 | 26.5 | 43.9 | 97/158 | 15.6 | 22 | 26.5 | 15.6 | 4*6 |
| 1SRLCR-30W | 30 | PW | 30.3 | 35.8 | 53.2 | 141/233 | 19.95 | 30.3 | 35.8 | 19.95 | 4*10 |
| 1SRLCR-35W | 35 | PW | 34.4 | 41.3 | 65.5 | 141/233 | 23.6 | 34.4 | 41.3 | 23.6 | 4*16 |
| 1SRLCR-40W | 40 | PW | 45.7 | 52.7 | 83.2 | 219/362 | 28.3 | 45.7 | 52.7 | 28.3 | 4*16 |
| 1SRLCR-50W | 50 | PW | 60 | 68.3 | 92 | 298/438 | 34.8 | 60 | 68.3 | 34.8 | 3*25/16 |
| 1SRLCR-60W | 60 | PW | 71.1 | 80.5 | 113 | 349/513 | 40.8 | 71.1 | 80.5 | 40.8 | 3*35/16 |
| 2SRLCR-10W | 5 | D.O.L | 7.5 | 8.8 | 14.5 | 62.2 | 4.95 | 15 | 17.6 | 9.9 | 4*4 |
| 2SRLCR-15W | 7.5 | D.O.L | 9 | 10.65 | 16.6 | 39/68 | 6.1 | 18 | 21.3 | 12.2 | 4*6 |
| 2SRLCR-20W | 10 | PW | 12.5 | 14.65 | 22.7 | 59/99 | 8.25 | 25 | 29.3 | 16.5 | 4*10 |
| 2SRLCR-30W | 15 | PW | 14.3 | 17 | 26.6 | 69/113 | 9.8 | 28.6 | 34 | 19.6 | 4*10 |
| 2SRLCR-40W | 20 | PW | 19.5 | 22.9 | 36.7 | 97/158 | 13.2 | 39 | 45.8 | 26.4 | 4*16 |
| 2SRLCR-50W | 25 | PW | 22 | 26.5 | 43.9 | 97/158 | 15.6 | 44 | 53 | 31.2 | 3*25/16 |
| 2SRLCR-60W | 30 | PW | 30.3 | 35.8 | 53.2 | 141/233 | 19.95 | 60.6 | 71.6 | 39.9 | 3*35/16 |
| 2SRLCR-70W | 35 | PW | 34.4 | 41.3 | 65.5 | 141/233 | 23.6 | 68.8 | 82.6 | 47.2 | 3*35/16 |
| 2SRLCR-80W | 40 | PW | 45.7 | 52.7 | 83.2 | 219/362 | 28.3 | 91.4 | 105.4 | 56.6 | 3*50/25 |
| 2SRLCR-100W | 50 | PW | 60 | 68.3 | 92 | 298/438 | 34.8 | 120 | 136.6 | 69.6 | 3*70/35 |
| 2SRLCR-120W | 60 | PW | 71.1 | 80.5 | 113 | 349/513 | 40.8 | 142.2 | 161 | 81.6 | 3*95/50 |
| 3SRLCR-60W | 20 | PW | 19.5 | 22.9 | 36.7 | 97/158 | 13.2 | 58.5 | 68.7 | 39.6 | 3*25/16 |
| 3SRLCR-75W | 25 | PW | 22 | 26.5 | 43.9 | 97/158 | 15.6 | 66 | 79.5 | 46.8 | 3*35/16 |
| 3SRLCR-90W | 30 | PW | 30.3 | 35.8 | 53.2 | 141/233 | 19.95 | 90.9 | 107.4 | 59.85 | 3*50/25 |
| 3SRLCR-105W | 35 | PW | 34.4 | 41.3 | 65.5 | 141/233 | 23.6 | 103.2 | 123.9 | 70.8 | 3*70/35 |
| 3SRLCR-120W | 40 | PW | 45.7 | 52.7 | 83.2 | 219/362 | 28.3 | 137.1 | 158.1 | 84.9 | 3*95/50 |
| 3SRLCR-150W | 50 | PW | 60 | 68.3 | 92 | 298/438 | 34.8 | 180 | 204.9 | 104.4 | 3*150/70 |
| 3SRLCR-180W | 60 | PW | 71.1 | 80.5 | 113 | 349/513 | 40.8 | 213.3 | 241.5 | 122.4 | 3*185/70 |
| 4SRLCR-80W | 20 | PW | 19.5 | 22.9 | 36.7 | 97/158 | 13.2 | 78 | 91.6 | 52.8 | 3*35/16 |
| 4SRLCR-100W | 25 | PW | 22 | 26.5 | 43.9 | 97/158 | 15.6 | 88 | 106 | 62.4 | 3*50/25 |
| 4SRLCR-120W | 30 | PW | 30.3 | 35.8 | 53.2 | 141/233 | 19.95 | 121.2 | 143.2 | 79.8 | 3*95/50 |
| 4SRLCR-140W | 35 | PW | 34.4 | 41.3 | 65.5 | 141/233 | 23.6 | 137.6 | 165.2 | 94.4 | 3*95/50 |
| 4SRLCR-160W | 40 | PW | 45.7 | 52.7 | 83.2 | 219/362 | 28.3 | 182.8 | 210.8 | 113.2 | 3*150/70 |
| 4SRLCR-200W | 50 | PW | 60 | 68.3 | 92 | 298/438 | 34.8 | 240 | 273.2 | 139.2 | 3*240/120 |
| 4SRLCR-240W | 60 | PW | 71.1 | 80.5 | 113 | 349/513 | 40.8 | 284.4 | 322 | 163.2 | 2*(3*95/50) |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- D.O.L: Direct Online Start Type
- PW: Part Winding Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.
- Starting type of compressors maybe change based on the unit operation condition

Table 15a: Water Chiller Electrical Data (Screw Compressor) - R22

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|-----|----------|-------|--------|-------|-------|---------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCS-50W | 50 | PW | 54 | 65.8 | 86 | 218/411 | 38.9 | 54 | 65.8 | 38.9 | 3*25/16 |
| 1SRLCS-60W | 60 | PW | 66.4 | 80.6 | 108 | 269/508 | 48.3 | 66.4 | 80.6 | 48.3 | 3*35/16 |
| 1SRLCS-70W | 70 | PW | 78.9 | 94.9 | 128 | 290/485 | 57.6 | 78.9 | 94.9 | 57.6 | 3*50/25 |
| 1SRLCS-80W | 80 | PW | 89 | 107.7 | 144 | 350/585 | 65.3 | 89 | 107.7 | 65.3 | 3*50/25 |
| 1SRLCS-90W | 90 | PW | 98.6 | 119.8 | 162 | 423/686 | 74.3 | 98.6 | 119.8 | 74.3 | 3*70/35 |
| 1SRLCS-110W | 110 | PW | 122.1 | 150.1 | 185 | 520/801 | 91.2 | 122.1 | 150.1 | 91.2 | 3*95/50 |
| 1SRLCS-125W | 125 | PW | 140.1 | 172 | 216 | 612/943 | 103.9 | 140.1 | 172 | 103.9 | 3*120/70 |
| 1SRLCS-140W | 140 | PW | 169.3 | 204 | 246 | 665/1023 | 124.2 | 169.3 | 204 | 124.2 | 3*150/70 |
| 1SRLCS-160W | 160 | PW | 178.6 | 220 | 260 | 729/1114 | 134.1 | 178.6 | 220 | 134.1 | 3*150/70 |
| 1SRLCS-180W | 180 | PW | 212 | 257 | 310 | 757/1181 | 152.7 | 212 | 257 | 152.7 | 3*185/95 |
| 1SRLCS-210W | 210 | Y-D | 237 | 267 | 370 | 586/1853 | 162.6 | 237 | 267 | 162.6 | 3*240/120 |
| 2SRLCS-100W | 50 | PW | 54 | 65.8 | 86 | 218/411 | 38.9 | 108 | 131.6 | 77.8 | 3*70/35 |
| 2SRLCS-120W | 60 | PW | 66.4 | 80.6 | 108 | 269/508 | 48.3 | 132.8 | 161.2 | 96.6 | 3*95/50 |
| 2SRLCS-140W | 70 | PW | 78.9 | 94.9 | 128 | 290/485 | 57.6 | 157.8 | 189.8 | 115.2 | 3*120/70 |
| 2SRLCS-160W | 80 | PW | 89 | 107.7 | 144 | 350/585 | 65.3 | 178 | 215.4 | 130.6 | 3*150/70 |
| 2SRLCS-180W | 90 | PW | 98.6 | 119.8 | 162 | 423/686 | 74.3 | 197.2 | 239.6 | 148.6 | 3*185/95 |
| 2SRLCS-220W | 110 | PW | 122.1 | 150.1 | 185 | 520/801 | 91.2 | 244.2 | 300.2 | 182.4 | 2*(3*95/50) |
| 2SRLCS-250W | 125 | PW | 140.1 | 172 | 216 | 612/943 | 103.9 | 280.2 | 344 | 207.8 | 2*(3*120/70) |
| 2SRLCS-280W | 140 | PW | 169.3 | 204 | 246 | 665/1023 | 124.2 | 338.6 | 408 | 248.4 | 2*(3*150/70) |
| 2SRLCS-320W | 160 | PW | 178.6 | 220 | 260 | 729/1114 | 134.1 | 357.2 | 440 | 268.2 | 2*(3*150/70) |
| 2SRLCS-360W | 180 | PW | 212 | 257 | 310 | 757/1181 | 152.7 | 424 | 514 | 305.4 | 2*(3*185/95) |
| 2SRLCS-420W | 210 | Y-D | 237 | 267 | 370 | 586/1853 | 162.6 | 474 | 534 | 325.2 | 2*(3*240/120) |
| 3SRLCS-150W | 50 | PW | 54 | 65.8 | 86 | 218/411 | 38.9 | 162 | 197.4 | 116.7 | 3*150/70 |
| 3SRLCS-180W | 60 | PW | 66.4 | 80.6 | 108 | 269/508 | 48.3 | 199.2 | 241.8 | 144.9 | 3*185/95 |
| 3SRLCS-210W | 70 | PW | 78.9 | 94.9 | 128 | 290/485 | 57.6 | 236.7 | 284.7 | 172.8 | 3*240/120 |
| 3SRLCS-240W | 80 | PW | 89 | 107.7 | 144 | 350/585 | 65.3 | 267 | 323.1 | 195.9 | 2*(3*95/50) |
| 3SRLCS-270W | 90 | PW | 98.6 | 119.8 | 162 | 423/686 | 74.3 | 295.8 | 359.4 | 222.9 | 2*(3*120/70) |
| 3SRLCS-330W | 110 | PW | 122.1 | 150.1 | 185 | 520/801 | 91.2 | 366.3 | 450.3 | 273.6 | 2*(3*150/70) |
| 3SRLCS-375W | 125 | PW | 140.1 | 172 | 216 | 612/943 | 103.9 | 420.3 | 516 | 311.7 | 2*(3*185/95) |
| 3SRLCS-420W | 140 | PW | 169.3 | 204 | 246 | 665/1023 | 124.2 | 507.9 | 612 | 372.6 | 3*(3*150/70) |
| 4SRLCS-200W | 50 | PW | 54 | 65.8 | 86 | 218/411 | 38.9 | 216 | 263.2 | 155.6 | 3*240/120 |
| 4SRLCS-240W | 60 | PW | 66.4 | 80.6 | 108 | 269/508 | 48.3 | 265.6 | 322.4 | 193.2 | 2*(3*95/50) |
| 4SRLCS-280W | 70 | PW | 78.9 | 94.9 | 128 | 290/485 | 57.6 | 315.6 | 379.6 | 230.4 | 2*(3*120/70) |
| 4SRLCS-320W | 80 | PW | 89 | 107.7 | 144 | 350/585 | 65.3 | 356 | 430.8 | 261.2 | 2*(3*150/70) |
| 4SRLCS-360W | 90 | PW | 98.6 | 119.8 | 162 | 423/686 | 74.3 | 394.4 | 479.2 | 297.2 | 2*(3*185/95) |
| 4SRLCS-440W | 110 | PW | 122.1 | 150.1 | 185 | 520/801 | 91.2 | 488.4 | 600.4 | 364.8 | 2*(3*240/120) |
| 4SRLCS-500W | 125 | PW | 140.1 | 172 | 216 | 612/943 | 103.9 | 560.4 | 688 | 415.6 | 3*(3*185/95) |
| 4SRLCS-560W | 140 | PW | 169.3 | 204 | 246 | 665/1023 | 124.2 | 677.2 | 816 | 496.8 | 3*(3*240/120) |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- PW: Part Winding Start Type
- Y-D: Star-Delta Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.

Table 10: water Chiller Electrical Data (Screw Compressor) - R407C

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|-----|----------|-------|--------|-------|-------|---------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCS-50W | 50 | PW | 53.4 | 64.6 | 86 | 218/411 | 38.1 | 53.4 | 64.6 | 38.1 | 3*25/16 |
| 1SRLCS-60W | 60 | PW | 65.7 | 79.2 | 108 | 269/508 | 47.3 | 65.7 | 79.2 | 47.3 | 3*35/16 |
| 1SRLCS-70W | 70 | PW | 75.4 | 89.6 | 128 | 290/485 | 53.9 | 75.4 | 89.6 | 53.9 | 3*50/25 |
| 1SRLCS-80W | 80 | PW | 86.2 | 104.8 | 144 | 350/585 | 63.3 | 86.2 | 104.8 | 63.3 | 3*50/25 |
| 1SRLCS-90W | 90 | PW | 93.7 | 114.1 | 162 | 423/686 | 70.5 | 93.7 | 114.1 | 70.5 | 3*70/35 |
| 1SRLCS-110W | 110 | PW | 119 | 147.1 | 185 | 520/801 | 89.1 | 119 | 147.1 | 89.1 | 3*95/50 |
| 1SRLCS-125W | 125 | PW | 136.6 | 168.5 | 216 | 612/943 | 101.6 | 136.6 | 168.5 | 101.6 | 3*120/70 |
| 1SRLCS-140W | 140 | PW | 154.7 | 191.2 | 246 | 665/1023 | 116 | 154.7 | 191.2 | 116 | 3*150/70 |
| 1SRLCS-160W | 160 | PW | 170.1 | 211 | 260 | 729/1114 | 128.3 | 170.1 | 211 | 128.3 | 3*150/70 |
| 1SRLCS-180W | 180 | PW | 201 | 243 | 310 | 757/1181 | 143.5 | 201 | 243 | 143.5 | 3*185/95 |
| 1SRLCS-210W | 210 | Y-D | 217 | 258 | 370 | 586/1853 | 157.2 | 217 | 258 | 157.2 | 3*240/120 |
| 2SRLCS-100W | 50 | PW | 53.4 | 64.6 | 86 | 218/411 | 38.1 | 106.8 | 129.2 | 76.2 | 3*70/35 |
| 2SRLCS-120W | 60 | PW | 65.7 | 79.2 | 108 | 269/508 | 47.3 | 131.4 | 158.4 | 94.6 | 3*95/50 |
| 2SRLCS-140W | 70 | PW | 75.4 | 89.6 | 128 | 290/485 | 53.9 | 150.8 | 179.2 | 107.8 | 3*120/70 |
| 2SRLCS-160W | 80 | PW | 86.2 | 104.8 | 144 | 350/585 | 63.3 | 172.4 | 209.6 | 126.6 | 3*150/70 |
| 2SRLCS-180W | 90 | PW | 93.7 | 114.1 | 162 | 423/686 | 70.5 | 187.4 | 228.2 | 141 | 3*185/95 |
| 2SRLCS-220W | 110 | PW | 119 | 147.1 | 185 | 520/801 | 89.1 | 238 | 294.2 | 178.2 | 2*(3*95/50) |
| 2SRLCS-250W | 125 | PW | 136.6 | 168.5 | 216 | 612/943 | 101.6 | 273.2 | 337 | 203.2 | 2*(3*120/70) |
| 2SRLCS-280W | 140 | PW | 154.7 | 191.2 | 246 | 665/1023 | 116 | 309.4 | 382.4 | 232 | 2*(3*120/70) |
| 2SRLCS-320W | 160 | PW | 170.1 | 211 | 260 | 729/1114 | 128.3 | 340.2 | 422 | 256.6 | 2*(3*150/70) |
| 2SRLCS-360W | 180 | PW | 201 | 243 | 310 | 757/1181 | 143.5 | 402 | 486 | 287 | 2*(3*185/95) |
| 2SRLCS-420W | 210 | Y-D | 217 | 258 | 370 | 586/1853 | 157.2 | 434 | 516 | 314.4 | 2*(3*240/120) |
| 3SRLCS-150W | 50 | PW | 53.4 | 64.6 | 86 | 218/411 | 38.1 | 160.2 | 193.8 | 114.3 | 3*150/70 |
| 3SRLCS-180W | 60 | PW | 65.7 | 79.2 | 108 | 269/508 | 47.3 | 197.1 | 237.6 | 141.9 | 3*185/95 |
| 3SRLCS-210W | 70 | PW | 75.4 | 89.6 | 128 | 290/485 | 53.9 | 226.2 | 268.8 | 161.7 | 3*240/120 |
| 3SRLCS-240W | 80 | PW | 86.2 | 104.8 | 144 | 350/585 | 63.3 | 258.6 | 314.4 | 189.9 | 2*(3*95/50) |
| 3SRLCS-270W | 90 | PW | 93.7 | 114.1 | 162 | 423/686 | 70.5 | 281.1 | 342.3 | 211.5 | 2*(3*120/70) |
| 3SRLCS-330W | 110 | PW | 119 | 147.1 | 185 | 520/801 | 89.1 | 357 | 441.3 | 267.3 | 2*(3*150/70) |
| 3SRLCS-375W | 125 | PW | 136.6 | 168.5 | 216 | 612/943 | 101.6 | 409.8 | 505.5 | 304.8 | 2*(3*185/95) |
| 3SRLCS-420W | 140 | PW | 154.7 | 191.2 | 246 | 665/1023 | 116 | 464.1 | 573.6 | 348 | 3*(3*150/70) |
| 4SRLCS-200W | 50 | PW | 53.4 | 64.6 | 86 | 218/411 | 38.1 | 213.6 | 258.4 | 152.4 | 3*240/120 |
| 4SRLCS-240W | 60 | PW | 65.7 | 79.2 | 108 | 269/508 | 47.3 | 262.8 | 316.8 | 189.2 | 2*(3*95/50) |
| 4SRLCS-280W | 70 | PW | 75.4 | 89.6 | 128 | 290/485 | 53.9 | 301.6 | 358.4 | 215.6 | 2*(3*120/70) |
| 4SRLCS-320W | 80 | PW | 86.2 | 104.8 | 144 | 350/585 | 63.3 | 344.8 | 419.2 | 253.2 | 2*(3*150/70) |
| 4SRLCS-360W | 90 | PW | 93.7 | 114.1 | 162 | 423/686 | 70.5 | 374.8 | 456.4 | 282 | 2*(3*185/95) |
| 4SRLCS-440W | 110 | PW | 119 | 147.1 | 185 | 520/801 | 89.1 | 476 | 588.4 | 356.4 | 2*(3*240/120) |
| 4SRLCS-500W | 125 | PW | 136.6 | 168.5 | 216 | 612/943 | 101.6 | 546.4 | 674 | 406.4 | 3*(3*185/95) |
| 4SRLCS-560W | 140 | PW | 154.7 | 191.2 | 246 | 665/1023 | 116 | 618.8 | 764.8 | 464 | 3*(3*240/120) |

NOTE

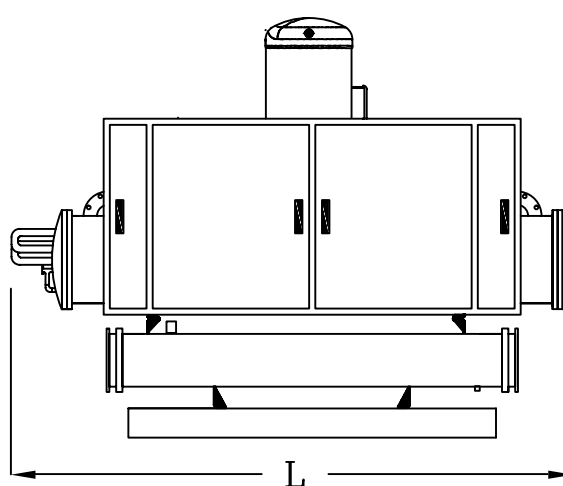
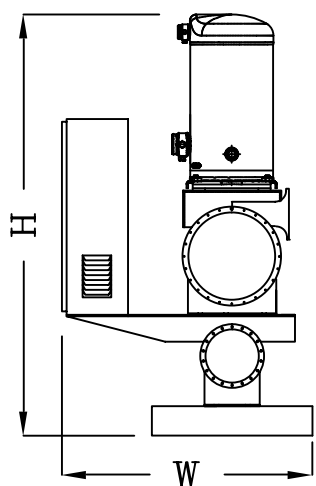
- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- PW: Part Winding Start Type
- Y-D: Star-Delta Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.

Table 10: water Chiller Electrical Data (Screw Compressor) - R134a

| Model | Per Compressor | | | | | | | System | | | |
|-------------|----------------|---------------|-------|-------|-----|----------|-------|--------|-------|-------|---------------|
| | HP | Starting Type | RLA | FLA | MOC | LRA | MPI | RLA | FLA | MPI | Cable Size |
| 1SRLCS-50W | 50 | PW | 50.3 | 60.2 | 79 | 206/355 | 35.1 | 50.3 | 60.2 | 35.1 | 3*25/16 |
| 1SRLCS-60W | 60 | PW | 58.6 | 69.6 | 98 | 267/449 | 40.5 | 58.6 | 69.6 | 40.5 | 3*25/16 |
| 1SRLCS-70W | 70 | PW | 65.7 | 78.5 | 124 | 290/485 | 46 | 65.7 | 78.5 | 46 | 3*35/16 |
| 1SRLCS-80W | 80 | PW | 72.5 | 87.6 | 144 | 394/606 | 55.4 | 72.5 | 87.6 | 55.4 | 3*50/25 |
| 1SRLCS-90W | 90 | PW | 84.5 | 102.7 | 155 | 439/675 | 63.2 | 84.5 | 102.7 | 63.2 | 3*50/25 |
| 1SRLCS-110W | 110 | PW | 101.2 | 121.3 | 182 | 520/801 | 71.8 | 101.2 | 121.3 | 71.8 | 3*70/35 |
| 1SRLCS-125W | 125 | PW | 115.2 | 137.5 | 196 | 612/943 | 80.7 | 115.2 | 137.5 | 80.7 | 3*70/35 |
| 1SRLCS-140W | 140 | PW | 129.8 | 155.3 | 214 | 665/1023 | 91.8 | 129.8 | 155.3 | 91.8 | 3*95/50 |
| 1SRLCS-160W | 160 | Y-D | 145.8 | 172.8 | 280 | 436/1364 | 104.8 | 145.8 | 172.8 | 104.8 | 3*120/70 |
| 1SRLCS-180W | 180 | Y-D | 161.7 | 195.1 | 310 | 465/1442 | 120.8 | 161.7 | 195.1 | 120.8 | 3*150/70 |
| 1SRLCS-210W | 210 | Y-D | 192.6 | 230 | 320 | 586/1853 | 138 | 192.6 | 230 | 138 | 3*185/95 |
| 2SRLCS-100W | 50 | PW | 50.3 | 60.2 | 79 | 206/355 | 35.1 | 100.6 | 120.4 | 70.2 | 3*70/35 |
| 2SRLCS-120W | 60 | PW | 58.6 | 69.6 | 98 | 267/449 | 40.5 | 117.2 | 139.2 | 81 | 3*70/35 |
| 2SRLCS-140W | 70 | PW | 65.7 | 78.5 | 124 | 290/485 | 46 | 131.4 | 157 | 92 | 3*95/50 |
| 2SRLCS-160W | 80 | PW | 72.5 | 87.6 | 144 | 394/606 | 55.4 | 145 | 175.2 | 110.8 | 3*120/70 |
| 2SRLCS-180W | 90 | PW | 84.5 | 102.7 | 155 | 439/675 | 63.2 | 169 | 205.4 | 126.4 | 3*150/70 |
| 2SRLCS-220W | 110 | PW | 101.2 | 121.3 | 182 | 520/801 | 71.8 | 202.4 | 242.6 | 143.6 | 3*185/95 |
| 2SRLCS-250W | 125 | PW | 115.2 | 137.5 | 196 | 612/943 | 80.7 | 230.4 | 275 | 161.4 | 3*240/120 |
| 2SRLCS-280W | 140 | PW | 129.8 | 155.3 | 214 | 665/1023 | 91.8 | 259.6 | 310.6 | 183.6 | 2*(3*95/50) |
| 2SRLCS-320W | 160 | Y-D | 145.8 | 172.8 | 280 | 436/1364 | 104.8 | 291.6 | 345.6 | 209.6 | 2*(3*120/70) |
| 2SRLCS-360W | 180 | Y-D | 161.7 | 195.1 | 310 | 465/1442 | 120.8 | 323.4 | 390.2 | 241.6 | 2*(3*150/70) |
| 2SRLCS-420W | 210 | Y-D | 192.6 | 230 | 320 | 586/1853 | 138 | 385.2 | 460 | 276 | 2*(3*185/95) |
| 3SRLCS-150W | 50 | PW | 50.3 | 60.2 | 79 | 206/355 | 35.1 | 150.9 | 180.6 | 105.3 | 3*120/70 |
| 3SRLCS-180W | 60 | PW | 58.6 | 69.6 | 98 | 267/449 | 40.5 | 175.8 | 208.8 | 121.5 | 3*150/70 |
| 3SRLCS-210W | 70 | PW | 65.7 | 78.5 | 124 | 290/485 | 46 | 197.1 | 235.5 | 138 | 3*185/95 |
| 3SRLCS-240W | 80 | PW | 72.5 | 87.6 | 144 | 394/606 | 55.4 | 217.5 | 262.8 | 166.2 | 3*240/120 |
| 3SRLCS-270W | 90 | PW | 84.5 | 102.7 | 155 | 439/675 | 63.2 | 253.5 | 308.1 | 189.6 | 2*(3*95/50) |
| 3SRLCS-330W | 110 | PW | 101.2 | 121.3 | 182 | 520/801 | 71.8 | 303.6 | 363.9 | 215.4 | 2*(3*120/70) |
| 3SRLCS-375W | 125 | PW | 115.2 | 137.5 | 196 | 612/943 | 80.7 | 345.6 | 412.5 | 242.1 | 2*(3*150/70) |
| 3SRLCS-420W | 140 | PW | 129.8 | 155.3 | 214 | 665/1023 | 91.8 | 389.4 | 465.9 | 275.4 | 2*(3*185/95) |
| 4SRLCS-200W | 50 | PW | 50.3 | 60.2 | 79 | 206/355 | 35.1 | 201.2 | 240.8 | 140.4 | 3*185/95 |
| 4SRLCS-240W | 60 | PW | 58.6 | 69.6 | 98 | 267/449 | 40.5 | 234.4 | 278.4 | 162 | 3*240/120 |
| 4SRLCS-280W | 70 | PW | 65.7 | 78.5 | 124 | 290/485 | 46 | 262.8 | 314 | 184 | 2*(3*95/50) |
| 4SRLCS-320W | 80 | PW | 72.5 | 87.6 | 144 | 394/606 | 55.4 | 290 | 350.4 | 221.6 | 2*(3*120/70) |
| 4SRLCS-360W | 90 | PW | 84.5 | 102.7 | 155 | 439/675 | 63.2 | 338 | 410.8 | 252.8 | 2*(3*150/70) |
| 4SRLCS-440W | 110 | PW | 101.2 | 121.3 | 182 | 520/801 | 71.8 | 404.8 | 485.2 | 287.2 | 2*(3*185/95) |
| 4SRLCS-500W | 125 | PW | 115.2 | 137.5 | 196 | 612/943 | 80.7 | 460.8 | 550 | 322.8 | 2*(3*240/120) |
| 4SRLCS-560W | 140 | PW | 129.8 | 155.3 | 214 | 665/1023 | 91.8 | 519.2 | 621.2 | 367.2 | 3*(3*150/70) |

NOTE

- System Power Supply: 380~400V/3φ/50HZ
- RLA: Rated Load Ampere
- FLA: Full Load Ampere
- MOC: Maximum Operating Current
- LRA: Lock Rotor Ampere
- MPI: Maximum Power Input (kW)
- PW: Part Winding Start Type
- Y-D: Star-Delta Start Type
- Cable size are based on copper conductor at maximum ambient temperature of 40°C and maximum distance of 70 meter.

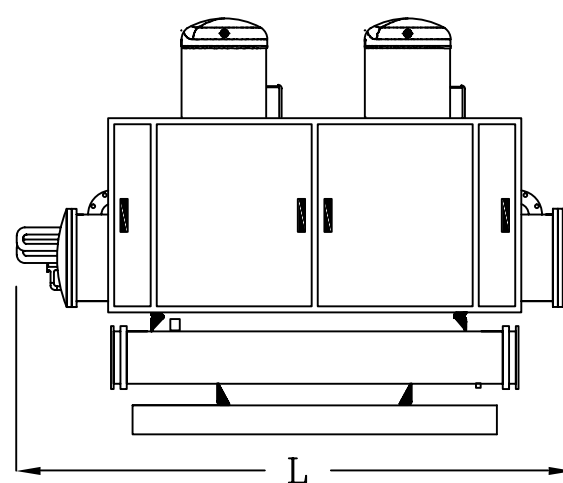
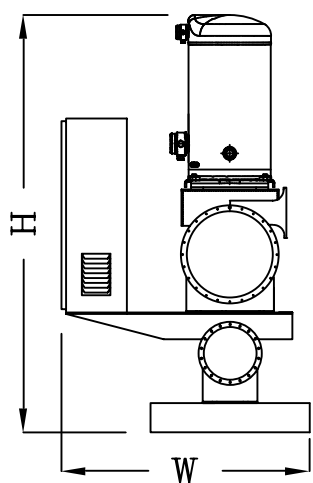


Scroll Compressor (R22 , R407C)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCH-5W | 1350 | 900 | 1300 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCH-7.5W | 1350 | 900 | 1350 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCH-10W | 1400 | 900 | 1350 | 2×2" | 2×2" |
| 1SRLCH-15W | 1400 | 1050 | 1650 | 2×2" | 2×2" |
| 1SRLCH-20W | 1450 | 1050 | 1650 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCH-25W | 1450 | 1050 | 1650 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCH-30W | 1950 | 1050 | 1700 | 2×3" | 2×2 1/2" |

Scroll Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCH-5W | 1350 | 900 | 1300 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCH-7.5W | 1350 | 900 | 1350 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCH-10W | 1400 | 900 | 1350 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCH-15W | 1400 | 1050 | 1600 | 2×2" | 2×2" |
| 1SRLCH-20W | 1450 | 1050 | 1650 | 2×2" | 2×2" |
| 1SRLCH-25W | 1450 | 1050 | 1650 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCH-30W | 1950 | 1050 | 1700 | 2×2 1/2" | 2×2 1/2" |



Scroll Compressor (R22 , R407C)

| Model | L | W | H | Connections | |
|------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCH-10W | 1950 | 900 | 1350 | 2×2" | 4×1 1/4" |
| 2SRLCH-15W | 1950 | 900 | 1420 | 2×2" | 4×1 1/4" |
| 2SRLCH-20W | 1950 | 900 | 1420 | 2×2 1/2" | 4×2" |
| 2SRLCH-30W | 1950 | 1000 | 1650 | 2×3" | 4×2" |
| 2SRLCH-40W | 1950 | 1050 | 1700 | 2×3" | 4×2 1/2" |
| 2SRLCH-50W | 1950 | 1050 | 1750 | 2×3" | 4×2 1/2" |
| 2SRLCH-60W | 1950 | 1050 | 1800 | 2×3" | 4×2 1/2" |

Scroll Compressor (R134a)

| Model | L | W | H | Connections | |
|------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCH-10W | 1950 | 900 | 1350 | 2×2" | 4×1 1/4" |
| 2SRLCH-15W | 1950 | 900 | 1420 | 2×2" | 4×1 1/4" |
| 2SRLCH-20W | 1950 | 900 | 1420 | 2×2" | 4×1 1/4" |
| 2SRLCH-30W | 1950 | 1000 | 1650 | 2×2 1/2" | 4×2" |
| 2SRLCH-40W | 1950 | 1050 | 1650 | 2×3" | 4×2" |
| 2SRLCH-50W | 1950 | 1050 | 1750 | 2×3" | 4×2 1/2" |
| 2SRLCH-60W | 1950 | 1050 | 1800 | 2×3" | 4×2 1/2" |

NOTE

- All dimensions are in millimeter.
- The above data is subject to change without notice.

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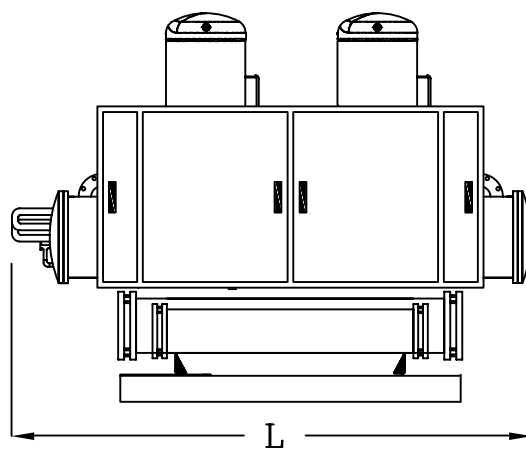
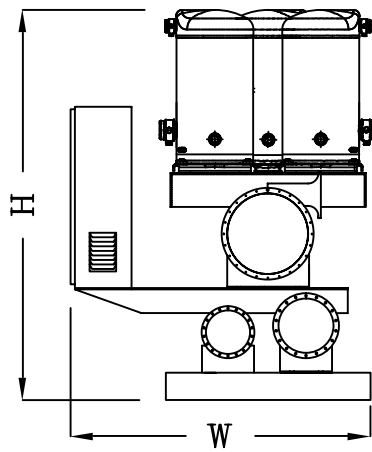
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روبروی پالایشگاه نفت پارس، پلاک ۱۲

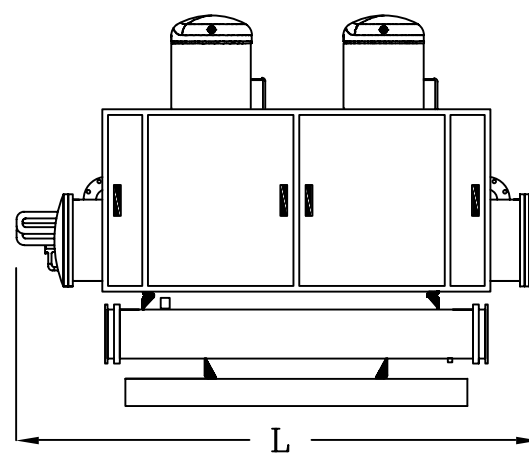
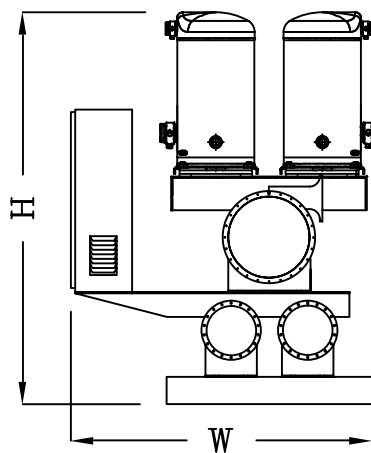


Scroll Compressor (R22 , R407C)

Scroll Compressor (R134a)

| Model | L | W | H | Connections | |
|------------|------|------|------|-------------|------------------|
| | | | | Evaporator | Condenser |
| 3SRLCH-60W | 2600 | 1450 | 1750 | 2×3" | 2×2 1/2" 2×3" |
| 3SRLCH-75W | 2600 | 1450 | 1800 | 2×4" | 2×2 1/2" 2×3" |
| 3SRLCH-90W | 2600 | 1450 | 1900 | 2×4" | 2×2 1/2" 2×3" |

| Model | L | W | H | Connections | |
|------------|------|------|------|-------------|------------------|
| | | | | Evaporator | Condenser |
| 3SRLCH-60W | 2600 | 1450 | 1750 | 2×3" | 2×2" 2×2 1/2" |
| 3SRLCH-75W | 2600 | 1450 | 1800 | 2×3" | 2×2 1/2" 2×3" |
| 3SRLCH-90W | 2600 | 1450 | 1850 | 2×4" | 2×2 1/2" 2×3" |



Scroll Compressor (R22 , R407C)

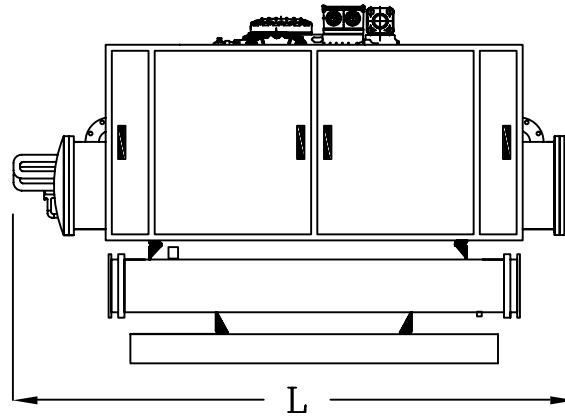
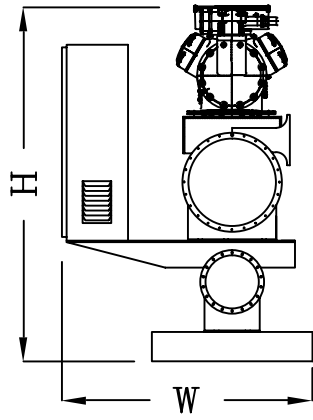
Scroll Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCH-60W | 2000 | 1400 | 1750 | 2×3" | 4×2 1/2" |
| 4SRLCH-80W | 2600 | 1450 | 1800 | 2×4" | 4×3" |
| 4SRLCH-100W | 2600 | 1450 | 1950 | 2×4" | 4×3" |
| 4SRLCH-120W | 2600 | 1450 | 1950 | 2×5" | 4×3" |

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCH-60W | 2000 | 1400 | 1750 | 2×3" | 4×2 1/2" |
| 4SRLCH-80W | 2600 | 1450 | 1750 | 2×3" | 4×2 1/2" |
| 4SRLCH-100W | 2600 | 1450 | 1900 | 2×4" | 4×3" |
| 4SRLCH-120W | 2600 | 1450 | 1950 | 2×4" | 4×3" |

NOTE

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- The above data is subject to change without notice.

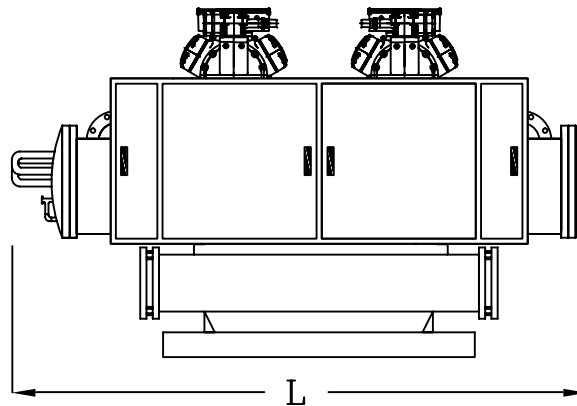
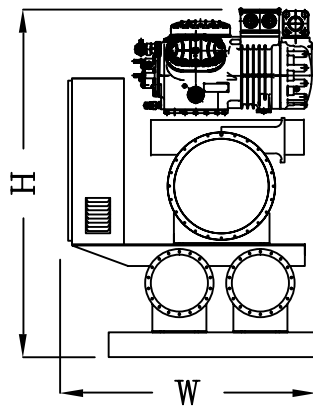


Reciprocating Compressor (R22 , R407C)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCR-5W | 1350 | 900 | 1250 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCR-7.5W | 1350 | 900 | 1250 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCR-10W | 1400 | 900 | 1250 | 2×2" | 2×2" |
| 1SRLCR-15W | 1400 | 900 | 1350 | 2×2" | 2×2" |
| 1SRLCR-20W | 1450 | 900 | 1350 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCR-25W | 1450 | 1050 | 1400 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCR-30W | 1950 | 1050 | 1400 | 2×3" | 2×2 1/2" |
| 1SRLCR-35W | 1950 | 1100 | 1450 | 2×3" | 2×2 1/2" |
| 1SRLCR-40W | 1950 | 1100 | 1450 | 2×3" | 2×3" |
| 1SRLCR-50W | 2500 | 1100 | 1500 | 2×3" | 2×3" |
| 1SRLCR-60W | 2500 | 1100 | 1600 | 2×3" | 2×3" |

Reciprocating Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCR-5W | 1350 | 900 | 1250 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCR-7.5W | 1350 | 900 | 1250 | 2×1 1/2" | 2×1 1/4" |
| 1SRLCR-10W | 1400 | 900 | 1250 | 2×2" | 2×2" |
| 1SRLCR-15W | 1400 | 900 | 1350 | 2×2" | 2×2" |
| 1SRLCR-20W | 1450 | 1050 | 1400 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCR-25W | 1450 | 1050 | 1400 | 2×2 1/2" | 2×2 1/2" |
| 1SRLCR-30W | 1950 | 1100 | 1400 | 2×3" | 2×2 1/2" |
| 1SRLCR-35W | 1950 | 1100 | 1450 | 2×3" | 2×2 1/2" |
| 1SRLCR-40W | 1950 | 1100 | 1450 | 2×3" | 2×3" |
| 1SRLCR-50W | 2500 | 1100 | 1600 | 2×3" | 2×3" |
| 1SRLCR-60W | 2500 | 1100 | 1600 | 2×3" | 2×3" |



Reciprocating Compressor (R22 , R407C)

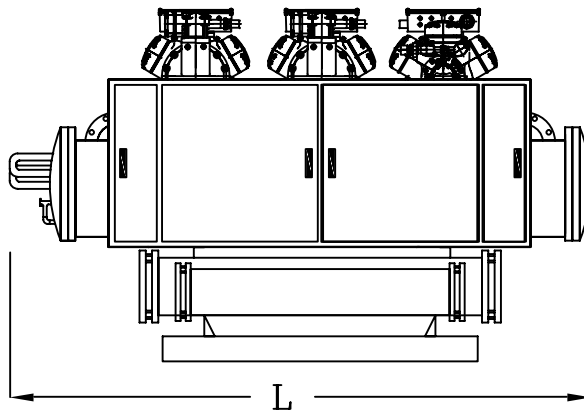
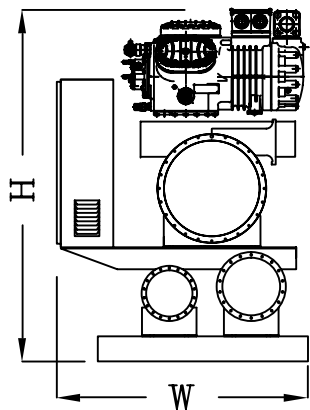
| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCR-10W | 1950 | 1000 | 1270 | 2×2" | 4×1 1/4" |
| 2SRLCR-15W | 1950 | 1000 | 1270 | 2×2" | 4×1 1/4" |
| 2SRLCR-20W | 1950 | 1200 | 1300 | 2×2 1/2" | 4×2" |
| 2SRLCR-30W | 1950 | 1200 | 1350 | 2×3" | 4×2" |
| 2SRLCR-40W | 1950 | 1200 | 1400 | 2×3" | 4×2 1/2" |
| 2SRLCR-50W | 1950 | 1300 | 1500 | 2×3" | 4×2 1/2" |
| 2SRLCR-60W | 1950 | 1300 | 1500 | 2×3" | 4×2 1/2" |
| 2SRLCR-70W | 2500 | 1350 | 1500 | 2×4" | 4×2 1/2" |
| 2SRLCR-80W | 2500 | 1350 | 1550 | 2×4" | 4×3" |
| 2SRLCR-100W | 2600 | 1350 | 1650 | 2×4" | 4×3" |
| 2SRLCR-120W | 2600 | 1450 | 1750 | 2×5" | 4×3" |

Reciprocating Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCR-10W | 1950 | 1000 | 1270 | 2×2" | 4×1 1/4" |
| 2SRLCR-15W | 1950 | 1150 | 1300 | 2×2" | 4×1 1/4" |
| 2SRLCR-20W | 1950 | 1200 | 1300 | 2×2 1/2" | 4×2" |
| 2SRLCR-30W | 1950 | 1200 | 1350 | 2×3" | 4×2" |
| 2SRLCR-40W | 1950 | 1250 | 1450 | 2×3" | 4×2 1/2" |
| 2SRLCR-50W | 1950 | 1250 | 1500 | 2×3" | 4×2 1/2" |
| 2SRLCR-60W | 1950 | 1350 | 1500 | 2×3" | 4×2 1/2" |
| 2SRLCR-70W | 2500 | 1350 | 1500 | 2×4" | 4×2 1/2" |
| 2SRLCR-80W | 2500 | 1350 | 1550 | 2×4" | 4×3" |
| 2SRLCR-100W | 2600 | 1450 | 1750 | 2×4" | 4×3" |
| 2SRLCR-120W | 2600 | 1450 | 1750 | 2×5" | 4×3" |

NOTE

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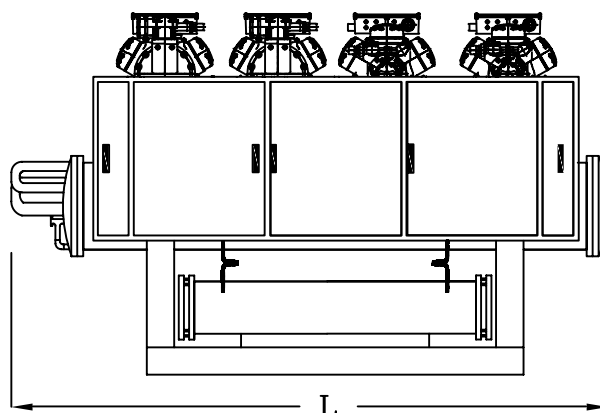
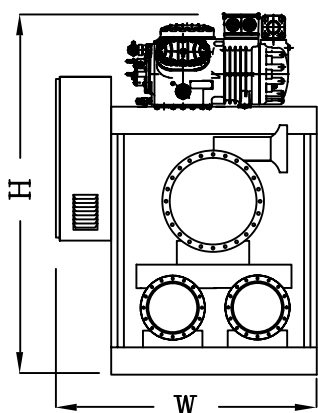


Reciprocating Compressor (R22 , R407C)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|------------------|
| | | | | Evaporator | Condenser |
| 3SRLCR-60W | 2600 | 1200 | 1450 | 2×3" | 2×2 1/2" 2×3" |
| 3SRLCR-75W | 2600 | 1300 | 1850 | 2×4" | 2×2 1/2" 2×3" |
| 3SRLCR-90W | 2600 | 1300 | 1900 | 2×4" | 2×2 1/2" 2×3" |
| 3SRLCR-105W | 2600 | 1370 | 2000 | 2×5" | 2×2 1/2" 2×3" |
| 3SRLCR-120W | 2600 | 1370 | 2000 | 2×5" | 4×3" |
| 3SRLCR-150W | 3650 | 1370 | 2050 | 2×5" | 2×3" 2×4" |
| 3SRLCR-180W | 3650 | 1500 | 2150 | 2×6" | 2×3" 2×5" |

Reciprocating Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|------------------|
| | | | | Evaporator | Condenser |
| 3SRLCR-60W | 2600 | 1300 | 1800 | 2×3" | 2×2 1/2" 2×3" |
| 3SRLCR-75W | 2600 | 1300 | 1850 | 2×4" | 2×2 1/2" 2×3" |
| 3SRLCR-90W | 2600 | 1370 | 1900 | 2×4" | 2×2 1/2" 2×3" |
| 3SRLCR-105W | 2600 | 1370 | 2000 | 2×5" | 2×2 1/2" 2×3" |
| 3SRLCR-120W | 2600 | 1370 | 2000 | 2×5" | 4×3" |
| 3SRLCR-150W | 3650 | 1500 | 2150 | 2×5" | 2×3" 2×4" |
| 3SRLCR-180W | 3650 | 1500 | 2150 | 2×6" | 2×3" 2×5" |



Reciprocating Compressor (R22 , R407C)

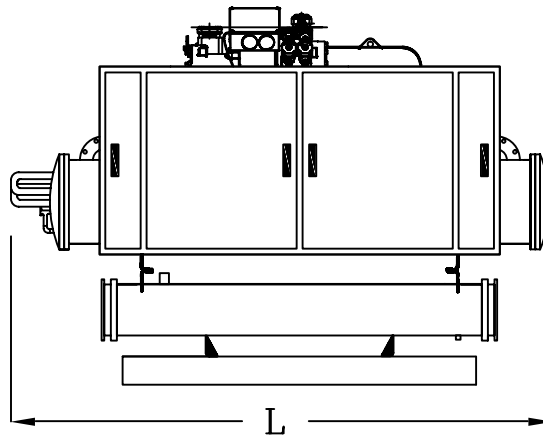
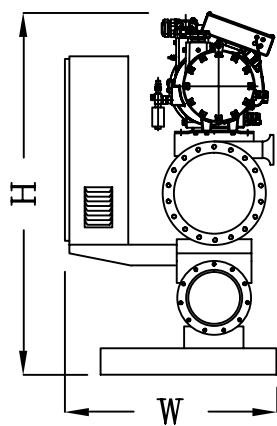
| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCR-80W | 2600 | 1250 | 1850 | 2×4" | 4×3" |
| 4SRLCR-100W | 2600 | 1300 | 2000 | 2×4" | 4×3" |
| 4SRLCR-120W | 2600 | 1300 | 2000 | 2×5" | 4×3" |
| 4SRLCR-140W | 3650 | 1370 | 2000 | 2×5" | 4×3" |
| 4SRLCR-160W | 3650 | 1370 | 2000 | 2×5" | 4×3" |
| 4SRLCR-200W | 4700 | 1370 | 2100 | 2×6" | 4×4" |
| 4SRLCR-240W | 4700 | 1500 | 2300 | 2×6" | 4×4" |

Reciprocating Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCR-80W | 2600 | 1300 | 1900 | 2×4" | 4×3" |
| 4SRLCR-100W | 2600 | 1300 | 1950 | 2×4" | 4×3" |
| 4SRLCR-120W | 2600 | 1370 | 2000 | 2×5" | 4×3" |
| 4SRLCR-140W | 3650 | 1370 | 2000 | 2×5" | 4×3" |
| 4SRLCR-160W | 3650 | 1370 | 2000 | 2×5" | 4×3" |
| 4SRLCR-200W | 4700 | 1500 | 2200 | 2×6" | 4×4" |
| 4SRLCR-240W | 4700 | 1500 | 2300 | 2×6" | 4×4" |

NOTE

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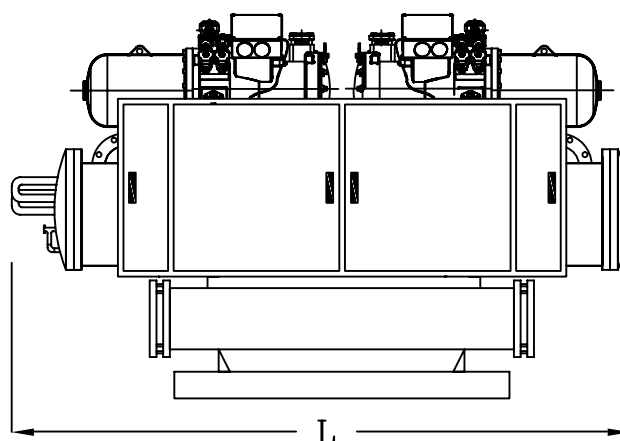
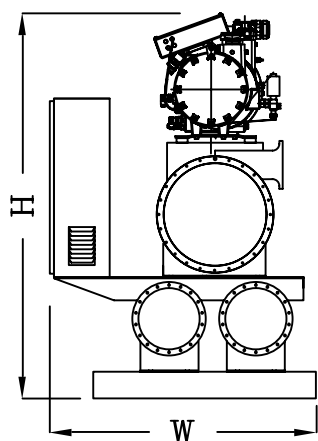


Screw Compressor (R22 , R407C)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCS-50W | 2500 | 1100 | 1620 | 2×3" | 2×3" |
| 1SRLCS-60W | 2500 | 1100 | 1620 | 2×3" | 2×3" |
| 1SRLCS-70W | 2500 | 1150 | 1700 | 2×4" | 2×3" |
| 1SRLCS-80W | 2500 | 1150 | 1750 | 2×4" | 2×3" |
| 1SRLCS-90W | 2500 | 1150 | 1800 | 2×4" | 2×4" |
| 1SRLCS-110W | 2600 | 1270 | 2000 | 2×5" | 2×4" |
| 1SRLCS-125W | 2600 | 1270 | 2050 | 2×5" | 2×5" |
| 1SRLCS-140W | 3600 | 1270 | 2050 | 2×5" | 2×5" |

Screw Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 1SRLCS-50W | 2500 | 1150 | 1620 | 2×3" | 2×3" |
| 1SRLCS-60W | 2500 | 1150 | 1620 | 2×3" | 2×3" |
| 1SRLCS-70W | 2500 | 1150 | 1700 | 2×4" | 2×3" |
| 1SRLCS-80W | 2500 | 1270 | 1900 | 2×4" | 2×3" |
| 1SRLCS-90W | 2500 | 1270 | 1950 | 2×4" | 2×4" |
| 1SRLCS-110W | 2600 | 1270 | 2000 | 2×5" | 2×4" |
| 1SRLCS-125W | 2600 | 1270 | 2050 | 2×5" | 2×5" |
| 1SRLCS-140W | 3600 | 1270 | 2050 | 2×5" | 2×5" |



Screw Compressor (R22 , R407C)

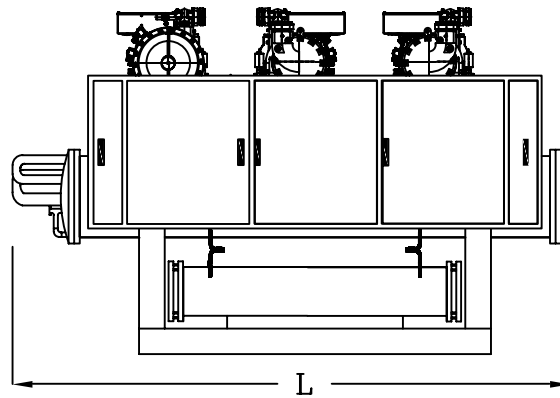
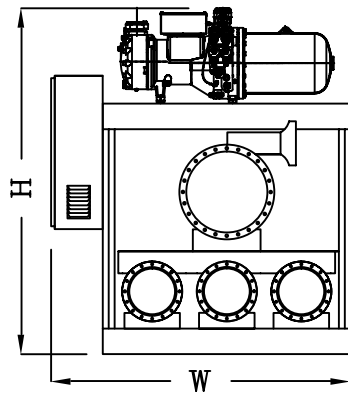
| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCS-100W | 2600 | 1250 | 1750 | 2×4" | 4×3" |
| 2SRLCS-120W | 2600 | 1250 | 1750 | 2×5" | 4×3" |
| 2SRLCS-140W | 3600 | 1300 | 1750 | 2×5" | 4×3" |
| 2SRLCS-160W | 3600 | 1300 | 1820 | 2×5" | 4×3" |
| 2SRLCS-180W | 3600 | 1300 | 1900 | 2×6" | 4×4" |
| 2SRLCS-220W | 4650 | 1450 | 2050 | 2×6" | 4×4" |
| 2SRLCS-250W | 4650 | 1450 | 2100 | 2×6" | 4×5" |
| 2SRLCS-280W | 4650 | 1450 | 2100 | 2×6" | 4×5" |

Screw Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 2SRLCS-100W | 2600 | 1300 | 1750 | 2×4" | 4×3" |
| 2SRLCS-120W | 2600 | 1300 | 1750 | 2×5" | 4×3" |
| 2SRLCS-140W | 3600 | 1300 | 1750 | 2×5" | 4×3" |
| 2SRLCS-160W | 3600 | 1450 | 1950 | 2×5" | 4×3" |
| 2SRLCS-180W | 3600 | 1450 | 2050 | 2×6" | 4×4" |
| 2SRLCS-220W | 4650 | 1450 | 2050 | 2×6" | 4×4" |
| 2SRLCS-250W | 4650 | 1450 | 2100 | 2×6" | 4×5" |
| 2SRLCS-280W | 4650 | 1450 | 2100 | 2×6" | 4×5" |

NOTE

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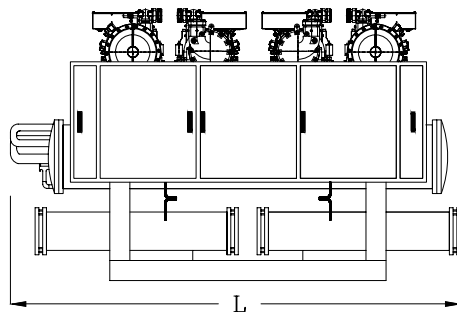
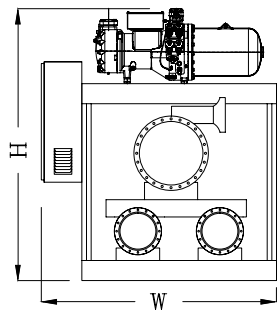


Screw Compressor (R22 , R407C)

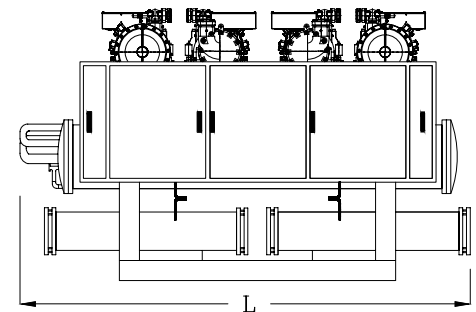
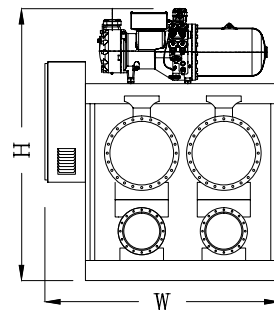
Screw Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 3SRLCS-150W | 3650 | 1600 | 2100 | 2×5" | 6×3" |
| 3SRLCS-180W | 3650 | 1600 | 2100 | 2×6" | 6×3" |
| 3SRLCS-210W | 3650 | 1750 | 2200 | 2×6" | 6×3" |
| 3SRLCS-240W | 4650 | 1750 | 2200 | 2×6" | 6×3" |
| 3SRLCS-270W | 4650 | 1800 | 2250 | 2×6" | 6×4" |

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 3SRLCS-150W | 3650 | 1600 | 2000 | 2×5" | 6×3" |
| 3SRLCS-180W | 3650 | 1600 | 2000 | 2×6" | 6×3" |
| 3SRLCS-210W | 3650 | 1750 | 2150 | 2×6" | 6×3" |
| 3SRLCS-240W | 4650 | 1850 | 2300 | 2×6" | 6×3" |
| 3SRLCS-270W | 4650 | 1850 | 2350 | 2×6" | 6×4" |



(4SRLCS-200W~4SRLCS-280W)



(4SRLCS-320W~4SRLCS-560W)

Screw Compressor (R22 , R407C)

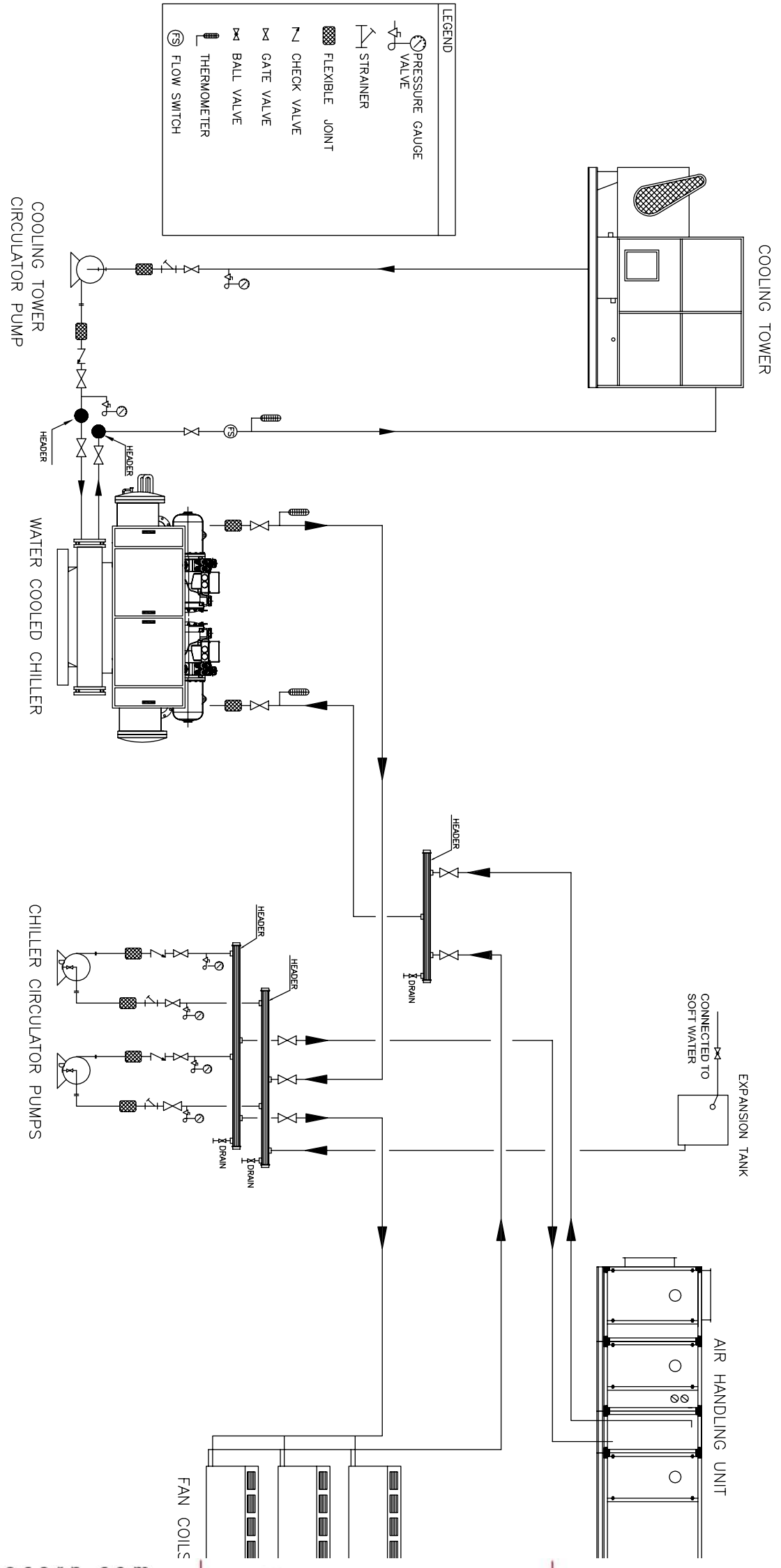
Screw Compressor (R134a)

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCS-200W | 4700 | 1420 | 2100 | 2×6" | 8×3" |
| 4SRLCS-240W | 4700 | 1420 | 2100 | 2×6" | 8×3" |
| 4SRLCS-280W | 4700 | 1670 | 2150 | 2×6" | 8×3" |
| 4SRLCS-320W | 3700 | 1670 | 2150 | 4×5" | 8×3" |
| 4SRLCS-360W | 3700 | 1820 | 2200 | 4×6" | 8×4" |
| 4SRLCS-440W | 5050 | 2170 | 2750 | 4×6" | 8×4" |
| 4SRLCS-500W | 5050 | 2170 | 2750 | 4×6" | 8×5" |
| 4SRLCS-560W | 5050 | 2170 | 2750 | 4×6" | 8×5" |

| Model | L | W | H | Connections | |
|-------------|------|------|------|-------------|-----------|
| | | | | Evaporator | Condenser |
| 4SRLCS-200W | 4700 | 1670 | 2120 | 2×6" | 8×3" |
| 4SRLCS-240W | 4700 | 1670 | 2120 | 2×6" | 8×3" |
| 4SRLCS-280W | 4700 | 1670 | 2120 | 2×6" | 8×3" |
| 4SRLCS-320W | 3700 | 1850 | 2300 | 4×5" | 8×3" |
| 4SRLCS-360W | 3700 | 1850 | 2350 | 4×6" | 8×4" |
| 4SRLCS-440W | 5050 | 2170 | 2750 | 4×6" | 8×4" |
| 4SRLCS-500W | 5050 | 2170 | 2750 | 4×6" | 8×5" |
| 4SRLCS-560W | 5050 | 2170 | 2750 | 4×6" | 8×5" |

NOTE

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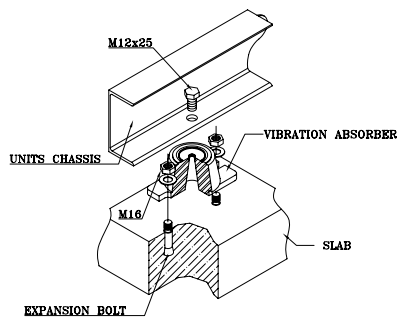
Recommendation

It should be installed on concrete or steel structure bearing platform that is firm and the surface of the bearing platform should be horizontal and flat. The intensity of the platform should hold the whole unit, if the intensity is not strong enough, it is vibration and noise.

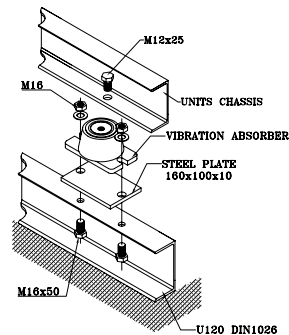
2) The surface of the concrete base platform normally has been plastered as horizontal ornament with waterproof treatment. The surrounding of it should have drainage sink placed, and the slope angle should be no less than 0.5% and the slope should lead to drainage outlet.

3) In order to maintain quiet operation and prevent the vibration and noise transmission from interfering the under floors, the absorber should be laid between the unit base and base platform. Please maintain horizontal when install the unit and mount anti vibration pad when it is necessary.

4) In order to keep connection pipe from being twisted to crack by earthquake, typhoon, or by long time running caused movement. The fixation method should be taken into consideration, refers to following examples for platform installation and fixation:



ARMOURED CEMENT FOUNDATION

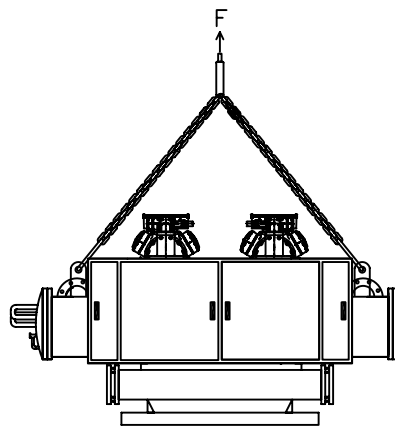


STEEL FRAME FOUNDATION

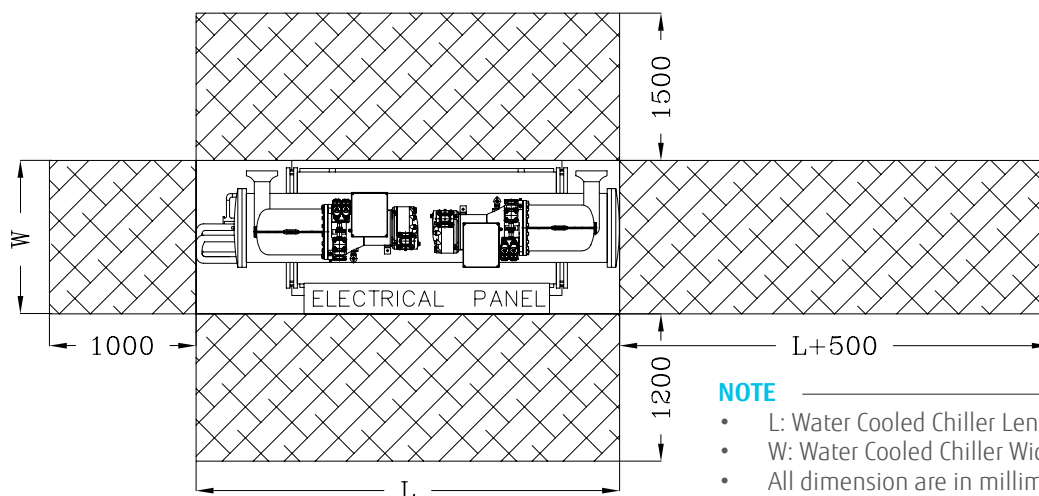
Hanging and Transporting of the Unit:

1) Each unit has been carefully tested and inspected at the factory where every precaution was taken to ensure that it reaches its destination in perfect condition. It is very important that the installers, movers, and riggers use the same care in handling the unit. Chains, cables, or other moving equipment should be placed to avoid damage to any part of the unit. For proper method of rigging consult the label on the unit

2) To prevent any damage to the unit, at least 45 degree angle between the unit and the hosting chain and the unit should be maintained.



Recommended Service Area



NOTE

- L: Water Cooled Chiller Length.
- W: Water Cooled Chiller Width.
- All dimension are in millimeter.