



SCREW COMPRESSOR CHILLER

Features

- Available in 33 different models with cooling capacities from 50 to 560 tons of refrigeration
- Possibility to using shell & tube or plate type evaporator or condenser
- Power and control panel with full protection
- Safety controls including high and low pressure switches, motor overload protection, flow switch and anti freeze control
- HCFC refrigerants and environmental friendly refrigerants (R22, R134a, R407C...)
- PLC control ability
- Easy maintenance and disassemble
- Suitable for air conditioning and industrial applications



Physical and Performance Data (Water Cooled)

| Model | Capacity (MBH) | Evaporator | | | Condenser | | | No. of Comp | Electrical Data | | Dimensions | | | Weight (Kg) |
|-------------|----------------|------------|-----------|-------------------|-----------|-----------|-------------------|-------------|-----------------|--------|------------|-------|-------|-------------|
| | | GPM | PD(ft.wg) | Connection (Inch) | GPM | PD(ft.wg) | Connection (Inch) | | MAX Amp | MAX KW | L (cm) | W(cm) | H(cm) | |
| 1SRLCS-50w | 48.8 | 98 | 4.7 | 2×3 | 115 | 4.1 | 2×3 | 1 | 65.8 | 38.9 | 240 | 105 | 155 | 1375 |
| 1SRLCS-60w | 61.3 | 123 | 6.5 | 2×3 | 144 | 5.3 | 2×3 | 1 | 80.6 | 48.3 | 240 | 105 | 155 | 1385 |
| 1SRLCS-70w | 71.6 | 144 | 7.7 | 2×4 | 169 | 7.2 | 2×3 | 1 | 94.9 | 57.6 | 240 | 105 | 160 | 2058 |
| 1SRLCS-80w | 83.7 | 167 | 10.2 | 2×4 | 197 | 8.3 | 2×3 | 1 | 107.7 | 65.3 | 240 | 105 | 160 | 2091 |
| 1SRLCS-90w | 99.3 | 199 | 13.1 | 2×5 | 233 | 7.7 | 2×4 | 1 | 119.8 | 74.3 | 240 | 105 | 165 | 2250 |
| 1SRLCS-100w | 110.4 | 221 | 13.0 | 2×5 | 261 | 9.8 | 2×4 | 1 | 131.9 | 81.7 | 240 | 105 | 185 | 2360 |
| 1SRLCS-110w | 120.2 | 240 | 14.8 | 2×5 | 283 | 7.5 | 2×4 | 1 | 150.1 | 91.2 | 245 | 120 | 190 | 2630 |
| 1SRLCS-125w | 137 | 274 | 19.8 | 2×5 | 322 | 9.3 | 2×4 | 1 | 172 | 103.9 | 245 | 120 | 190 | 2840 |
| 2SRLCS-100w | 97.6 | 195 | 10.7 | 2×5 | 229 | 4.2 | 4×3 | 2 | 131.6 | 77.8 | 240 | 150 | 182 | 2460 |
| 2SRLCS-120w | 122.6 | 245 | 16.8 | 2×5 | 288 | 5.4 | 4×3 | 2 | 161.2 | 96.6 | 240 | 150 | 182 | 2465 |
| 2SRLCS-140w | 143.2 | 288 | 15.9 | 2×5 | 339 | 7.2 | 4×3 | 2 | 189.8 | 115.2 | 245 | 165 | 206 | 3925 |
| 2SRLCS-160w | 167.4 | 335 | 22.0 | 2×5 | 394 | 8.3 | 4×3 | 2 | 215.4 | 130.6 | 345 | 165 | 206 | 3956 |
| 2SRLCS-180w | 198.6 | 397 | 28.4 | 2×6 | 465 | 7.7 | 4×4 | 2 | 239.6 | 148.6 | 345 | 165 | 206 | 4100 |
| 2SRLCS-200w | 220.8 | 442 | 38.1 | 2×6 | 522 | 9.8 | 4×4 | 2 | 263.8 | 163.4 | 345 | 165 | 210 | 4510 |
| 2SRLCS-220w | 240.4 | 481 | 39.0 | 2×6 | 565 | 7.5 | 4×4 | 2 | 300.2 | 182.4 | 450 | 185 | 226 | 5017 |
| 2SRLCS-250w | 274 | 548 | 44.7 | 2×6 | 645 | 9.3 | 4×4 | 2 | 344 | 207.8 | 450 | 185 | 226 | 5320 |
| 2SRLCS-280w | 314.0 | 628 | 41.8 | 2×6 | 745 | 6.8 | 4×4 | 2 | 408 | 248.4 | 455 | 185 | 226 | 6330 |
| 3SRLCS-150w | 146.4 | 293 | 20.4 | 2×5 | 344 | 4.2 | 6×3 | 3 | 197.4 | 116.7 | 355 | 155 | 198 | 3285 |
| 3SRLCS-180w | 183.9 | 368 | 26.2 | 2×6 | 431 | 5.4 | 6×3 | 3 | 241.8 | 144.9 | 355 | 155 | 198 | 3574 |
| 3SRLCS-210w | 214.8 | 431 | 38.0 | 2×6 | 508 | 7.2 | 6×3 | 3 | 284.7 | 172.8 | 355 | 168 | 205 | 5281 |
| 3SRLCS-240w | 251.1 | 502 | 39.8 | 2×6 | 592 | 8.3 | 6×3 | 3 | 323.1 | 195.9 | 455 | 168 | 210 | 5350 |
| 3SRLCS-270w | 297.9 | 596 | 28.2 | 2×6 | 698 | 7.7 | 6×4 | 3 | 359.4 | 222.9 | 455 | 173 | 210 | 5700 |
| 3SRLCS-300w | 331.2 | 662 | 37.8 | 4×5 | 782 | 9.8 | 6×4 | 3 | 395.7 | 245.1 | 455 | 173 | 210 | 6550 |
| 3SRLCS-330w | 360.6 | 721 | 38.7 | 4×5 | 848 | 7.5 | 6×4 | 3 | 450.3 | 273.6 | 460 | 173 | 215 | 7685 |
| 4SRLCS-200w | 195.2 | 390 | 30.8 | 2×6 | 459 | 4.2 | 8×3 | 4 | 263.2 | 155.6 | 455 | 150 | 207 | 4845 |
| 4SRLCS-240w | 245.2 | 490 | 38.3 | 2×6 | 575 | 5.4 | 8×3 | 4 | 322.4 | 193.2 | 455 | 150 | 207 | 4905 |
| 4SRLCS-280w | 286.4 | 575 | 36.6 | 2×6 | 678 | 5.4 | 8×3 | 4 | 379.6 | 230.4 | 465 | 165 | 235 | 6780 |
| 4SRLCS-320w | 334.8 | 670 | 22.1 | 4×5 | 789 | 6.2 | 8×3 | 4 | 430.8 | 261.2 | 465 | 165 | 215 | 7500 |
| 4SRLCS-360w | 397.2 | 794 | 28.5 | 4×5 | 931 | 5.8 | 8×4 | 4 | 479.2 | 297.2 | 465 | 165 | 220 | 8365 |
| 4SRLCS-400w | 441.6 | 883 | 38.2 | 4×6 | 1043 | 7.3 | 8×4 | 4 | 527.6 | 326.8 | 465 | 185 | 260 | 9100 |
| 4SRLCS-440w | 480.8 | 962 | 39.2 | 4×6 | 1131 | 5.6 | 8×4 | 4 | 600.4 | 364.8 | 465 | 185 | 260 | 10520 |
| 4SRLCS-500w | 548 | 1096 | 44.9 | 4×6 | 1289 | 6.9 | 8×4 | 4 | 688 | 415.6 | 465 | 185 | 265 | 11200 |
| 4SRLCS-560w | 628 | 1256 | 42.0 | 4×6 | 1490 | 5.1 | 8×4 | 4 | 816 | 496.8 | 465 | 185 | 265 | 12450 |

Note:

MBH = 10000 Btu/hr

Capacities are base on evaporator Entering / Leaving chilled water temperature of 56 °F / 46 °F and Entering / Leaving cooling tower temperature of 90/80 °F

Refrigerant R22

For information about capacities in other condition, please refer to Screw Compressor Chiller Catalogue



Physical and Performance Data (Air Cooled)

| Model | Capacity (MBH) | Evaporator | | | No. of Comp | Electrical Data | | Dimensions | | | Weight (Kg) |
|-------------|----------------|------------|------------|-------------------|-------------|-----------------|--------|------------|-------|-------|-------------|
| | | GPM | PD (ft.wg) | Connection (Inch) | | MAX Amp | MAX KW | L (cm) | W(cm) | H(cm) | |
| 1SRLCS-50A | 41.6 | 83.2 | 3.7 | 2×3 | 1 | 75 | 47.5 | 240 | 105 | 130 | 1175 |
| 1SRLCS-60A | 52.2 | 104.4 | 5.2 | 2×3 | 1 | 91.5 | 58.5 | 240 | 105 | 130 | 1175 |
| 1SRLCS-70A | 60.2 | 120.4 | 5.6 | 2×4 | 1 | 103.5 | 67 | 240 | 105 | 145 | 1608 |
| 1SRLCS-80A | 69.5 | 139.0 | 7.5 | 2×4 | 1 | 122 | 78.5 | 240 | 105 | 145 | 1631 |
| 1SRLCS-90A | 84.2 | 168.4 | 10.3 | 2×5 | 1 | 135 | 89 | 240 | 105 | 145 | 1810 |
| 1SRLCS-100A | 93.1 | 186.2 | 10.0 | 2×5 | 1 | 152.5 | 95.2 | 240 | 105 | 155 | 2100 |
| 1SRLCS-110A | 100 | 200.0 | 11.2 | 2×5 | 1 | 164 | 105.5 | 245 | 120 | 170 | 2420 |
| 1SRLCS-125A | 114 | 228.0 | 15.0 | 2×5 | 1 | 191 | 122 | 245 | 120 | 170 | 2440 |
| 2SRLCS-100A | 83.2 | 166.4 | 8.2 | 2×5 | 2 | 150 | 104 | 240 | 150 | 157 | 2000 |
| 2SRLCS-120A | 104.4 | 208.8 | 12.9 | 2×5 | 2 | 183 | 130 | 240 | 150 | 157 | 2050 |
| 2SRLCS-140A | 120.4 | 240.8 | 11.8 | 2×5 | 2 | 207 | 156 | 245 | 165 | 170 | 3145 |
| 2SRLCS-160A | 139 | 278.0 | 15.4 | 2×5 | 2 | 244 | 176 | 345 | 165 | 170 | 3176 |
| 2SRLCS-180A | 168.4 | 336.8 | 23.8 | 2×6 | 2 | 270 | 192 | 345 | 165 | 170 | 3321 |
| 2SRLCS-200A | 186.2 | 372.4 | 28.2 | 2×6 | 2 | 305 | 190 | 345 | 165 | 170 | 3780 |
| 2SRLCS-220A | 200 | 400.0 | 28.6 | 2×6 | 2 | 328 | 220 | 445 | 185 | 185 | 4237 |
| 2SRLCS-250A | 228 | 456.0 | 32.9 | 2×6 | 2 | 382 | 264 | 445 | 185 | 185 | 4530 |
| 2SRLCS-280A | 271.08 | 543.6 | 32.4 | 2×6 | 2 | 430 | 300 | 445 | 185 | 195 | 5400 |
| 3SRLCS-150A | 124.8 | 249.6 | 17.1 | 2×5 | 3 | 225 | 156 | 345 | 150 | 157 | 2685 |
| 3SRLCS-180A | 156.6 | 313.2 | 21.9 | 2×6 | 3 | 275 | 195 | 345 | 150 | 152 | 2869 |
| 3SRLCS-210A | 180.5 | 361.2 | 27.6 | 2×6 | 3 | 311 | 234 | 350 | 168 | 169 | 4111 |
| 3SRLCS-240A | 208.6 | 417.0 | 28.8 | 2×6 | 3 | 366 | 264 | 466 | 168 | 169 | 4180 |
| 3SRLCS-270A | 252.6 | 505.2 | 23.6 | 2×6 | 3 | 405 | 288 | 466 | 170 | 170 | 5000 |
| 3SRLCS-300A | 279.3 | 558.6 | 27.9 | 4×5 | 3 | 458 | 286 | 245 | 185 | 185 | 5900 |
| 3SRLCS-330A | 300.0 | 600.0 | 28.3 | 4×5 | 3 | 492 | 330 | 245 | 185 | 185 | 6985 |
| 4SRLCS-200A | 166.4 | 332.8 | 22.5 | 2×6 | 4 | 300 | 208 | 455 | 150 | 186 | 4045 |
| 4SRLCS-240A | 208.5 | 417.6 | 28.9 | 2×6 | 4 | 366 | 260 | 455 | 150 | 186 | 4105 |
| 4SRLCS-280A | 240.8 | 481.6 | 26.5 | 2×6 | 4 | 414 | 312 | 460 | 150 | 186 | 5900 |
| 4SRLCS-320A | 278.0 | 556.0 | 15.5 | 4×5 | 4 | 488 | 352 | 365 | 165 | 185 | 5980 |
| 4SRLCS-360A | 336.8 | 673.6 | 23.9 | 4×5 | 4 | 540 | 384 | 365 | 175 | 190 | 7165 |
| 4SRLCS-400A | 372.4 | 744.8 | 28.3 | 4×6 | 4 | 610 | 381 | 470 | 185 | 220 | 7980 |
| 4SRLCS-440A | 400 | 800.0 | 28.8 | 4×6 | 4 | 656 | 440 | 470 | 185 | 220 | 8910 |
| 4SRLCS-500A | 456 | 912.0 | 33.1 | 4×6 | 4 | 764 | 528 | 470 | 185 | 220 | 9150 |
| 4SRLCS-560A | 543.6 | 1087.0 | 32.6 | 4×6 | 4 | 860 | 600 | 470 | 190 | 220 | 9860 |

Note:

- MBH = 10000 Btu/hr
- Capacities are base on evaporator Entering / Leaving chilled water temperature of 56 °F / 46 °F and ambient temperature of 100 °F
- Refrigerant R22
- For information about capacities in other condition, please refer to Screw Compressor Chiller Catalogue