C-1RVN45L0A PERFOMANCE DATA

40Hz R404A/R448A

| Capacity(W) | | Evaporating Temp. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 241 | 299 | 377 | 472 | 586 | 719 | 870 | 1039 |
| | 45 | 240 | 296 | 370 | 464 | 576 | 707 | 858 | 1027 |
| | 54.4 | 224 | 281 | 355 | 447 | 558 | 686 | 833 | 998 |
| | 60 | 215 | 266 | 336 | 425 | 531 | 657 | 800 | 962 |
| INPUT(W) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 237 | 247 | 257 | 266 | 275 | 282 | 289 | 295 |
| | 45 | 254 | 265 | 276 | 286 | 295 | 303 | 311 | 318 |
| | 54.4 | 292 | 305 | 318 | 330 | 341 | 351 | 361 | 371 |
| | 60 | 321 | 333 | 345 | 357 | 369 | 381 | 393 | 405 |
| Current(A) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 1.65 | 1.69 | 1.74 | 1.78 | 1.81 | 1.85 | 1.88 | 1.92 |
| | 45 | 1.71 | 1.76 | 1.82 | 1.86 | 1.91 | 1.95 | 1.98 | 2.02 |
| | 54.4 | 1.88 | 1.94 | 2.00 | 2.05 | 2.11 | 2.16 | 2.21 | 2.26 |
| | 60 | 2.00 | 2.06 | 2.13 | 2.19 | 2.25 | 2.31 | 2.37 | 2.44 |

z= p1 + p2*x + p3*y + p4*x^2 + p5*x*y + p6*y^2+p7*x^3 + p8*x^2*y + p9*x*y^2 + p10*y^3

x——Condensing Temp.(℃) ； y——Evaporating Temp.(℃)

| | Capacity(W) | Input(W) | Current(A) |
|---|---|---|---|
| P1 | 1.8290E+03 | 7.8890E+01 | 6.1610E-01 |
| P2 | -3.7540E+01 | 5.6010E+00 | 5.1650E-02 |
| P3 | 3.6790E+01 | -2.8010E+00 | -4.8380E-03 |
| P4 | 8.2010E-01 | -1.2200E-02 | -7.2640E-04 |
| P5 | 1.7260E-01 | 1.0780E-01 | 2.2470E-04 |
| P6 | 3.8980E-01 | -4.2040E-02 | -8.9090E-05 |
| P7 | -6.4150E-03 | 2.0760E-04 | 6.4720E-06 |
| P8 | -2.5800E-03 | -3.8970E-04 | 1.2090E-06 |
| P9 | -3.9710E-04 | 6.6220E-04 | 2.3280E-06 |
| P10 | 5.0510E-06 | 2.5250E-05 | 9.5960E-07 |

60Hz R404A/R448A

| Capacity(W) | | Evaporating Temp. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 375 | 466 | 586 | 735 | 913 | 1119 | 1354 | 1618 |
| | 45 | 374 | 461 | 577 | 722 | 897 | 1102 | 1336 | 1600 |
| | 54.4 | 349 | 437 | 553 | 697 | 869 | 1069 | 1297 | 1554 |
| | 60 | 334 | 415 | 524 | 661 | 828 | 1023 | 1246 | 1498 |
| INPUT(W) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 376 | 392 | 408 | 422 | 436 | 448 | 459 | 469 |
| | 45 | 402 | 420 | 437 | 453 | 468 | 481 | 494 | 505 |
| | 54.4 | 464 | 485 | 504 | 523 | 541 | 557 | 573 | 588 |
| | 60 | 509 | 528 | 547 | 566 | 585 | 604 | 623 | 642 |
| Current(A) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 2.62 | 2.69 | 2.76 | 2.83 | 2.88 | 2.94 | 3.00 | 3.05 |
| | 45 | 2.72 | 2.80 | 2.89 | 2.96 | 3.03 | 3.10 | 3.15 | 3.21 |
| | 54.4 | 2.99 | 3.08 | 3.18 | 3.27 | 3.35 | 3.44 | 3.52 | 3.60 |
| | 60 | 3.18 | 3.28 | 3.38 | 3.48 | 3.57 | 3.67 | 3.77 | 3.87 |

z= p1 + p2*x + p3*y + p4*x^2 + p5*x*y + p6*y^2+p7*x^3 + p8*x^2*y + p9*x*y^2 + p10*y^3
x——Condensing Temp.(℃)； y——Evaporating Temp.(℃)

| | Capacity(W) | Input(W) | Current(A) |
|---|---|---|---|
| P1 | 2.7730E+03 | 2.4270E+02 | 1.6030E+00 |
| P2 | -5.4050E+01 | 1.9620E+00 | 4.0750E-02 |
| P3 | 5.7480E+01 | -4.1690E+00 | -1.2880E-02 |
| P4 | 1.1930E+00 | 1.1710E-01 | -2.5460E-04 |
| P5 | 2.6890E-01 | 1.6320E-01 | 5.3210E-04 |
| P6 | 6.1620E-01 | -6.7970E-02 | -2.0360E-04 |
| P7 | -9.4660E-03 | -5.7110E-04 | 3.8540E-06 |
| P8 | -4.0840E-03 | -5.8830E-04 | 1.8050E-07 |
| P9 | -7.6720E-04 | 1.0060E-03 | 3.8860E-06 |
| P10 | 4.5450E-05 | -2.5250E-05 | 7.0710E-07 |

80Hz R404A/R448A

| Capacity(W) | | Evaporating Temp. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 495 | 615 | 774 | 970 | 1205 | 1477 | 1787 | 2136 |
| | 45 | 494 | 608 | 761 | 953 | 1184 | 1454 | 1763 | 2111 |
| | 54.4 | 461 | 577 | 730 | 920 | 1147 | 1411 | 1712 | 2051 |
| | 60 | 441 | 547 | 691 | 873 | 1092 | 1350 | 1645 | 1978 |
| INPUT(W) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 485 | 507 | 527 | 546 | 563 | 579 | 593 | 606 |
| | 45 | 520 | 543 | 565 | 586 | 604 | 622 | 638 | 652 |
| | 54.4 | 600 | 626 | 652 | 676 | 699 | 721 | 741 | 760 |
| | 60 | 658 | 682 | 707 | 731 | 756 | 781 | 805 | 830 |
| Current(A) | | Evaporating Temp. | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| Condensing Temp. | 40.5 | 4.02 | 4.14 | 4.24 | 4.35 | 4.44 | 4.53 | 4.61 | 4.68 |
| | 45 | 4.18 | 4.31 | 4.44 | 4.55 | 4.66 | 4.76 | 4.85 | 4.94 |
| | 54.4 | 4.60 | 4.74 | 4.89 | 5.02 | 5.15 | 5.28 | 5.41 | 5.53 |
| | 60 | 4.89 | 5.04 | 5.20 | 5.35 | 5.50 | 5.65 | 5.80 | 5.95 |

z= p1 + p2*x + p3*y + p4*x^2 + p5*x*y + p6*y^2+p7*x^3 + p8*x^2*y + p9*x*y^2 + p10*y^3
x——Condensing Temp.(℃)； y——Evaporating Temp.(℃)

| | Capacity(W) | Input(W) | Current(A) |
|---|---|---|---|
| P1 | 3.7650E+03 | 3.4030E+02 | 1.9820E+00 |
| P2 | -7.7420E+01 | 7.8730E-01 | 9.5080E-02 |
| P3 | 7.6480E+01 | -5.3570E+00 | -1.7410E-02 |
| P4 | 1.6880E+00 | 1.8700E-01 | -1.1210E-03 |
| P5 | 3.2430E-01 | 2.0110E-01 | 6.2310E-04 |
| P6 | 8.0750E-01 | -9.5930E-02 | -4.1950E-04 |
| P7 | -1.3190E-02 | -9.6730E-04 | 1.1320E-05 |
| P8 | -5.0300E-03 | -6.0440E-04 | 2.6390E-06 |
| P9 | -9.1290E-04 | 1.4080E-03 | 6.9860E-06 |
| P10 | 3.5350E-05 | -6.5660E-05 | 4.0400E-07 |