

NOZZLE-TYPE DISTRIBUTORS

NOZZLE CAPACITY TABLE - TONS OF REFRIGERANT

| Nozzle Orifice Number | TONS OF REFRIGERATION | | | | | | | | | | | | | | | | | | | |
|-----------------------|---------------------------------------|-------|-------|-------|-------------------------------------|-------|-------|-------|-------|---|------|------|------|------|---------------------------------------|------|------|------|------|--|
| | R-134A Evaporator Temperature (°F) | | | | R-22 Evaporator Temperature (°F) | | | | | R-404A / R-502 / R-507 Evaporator Temperature (°F) | | | | | R-410A Evaporator Temperature (°F) | | | | | |
| | 40° | 20° | 0° | -20° | 40° | 20° | 0° | -20° | -40° | 40° | 20° | 0° | -20° | -40° | 40° | 20° | 0° | -20° | -40° | |
| 1/9 | 0.08 | 0.06 | 0.05 | 0.04 | 0.14 | 0.11 | 0.09 | 0.07 | 0.06 | 0.09 | 0.07 | 0.05 | 0.04 | 0.04 | 0.16 | 0.13 | 0.1 | 0.08 | 0.07 | |
| 1/6 | 0.12 | 0.09 | 0.07 | 0.06 | 0.21 | 0.16 | 0.13 | 0.11 | 0.09 | 0.14 | 0.11 | 0.08 | 0.07 | 0.05 | 0.25 | 0.2 | 0.16 | 0.13 | 0.11 | |
| 1/4 | 0.20 | 0.15 | 0.12 | 0.10 | 0.34 | 0.26 | 0.21 | 0.18 | 0.15 | 0.23 | 0.17 | 0.13 | 0.11 | 0.09 | 0.4 | 0.31 | 0.25 | 0.21 | 0.17 | |
| 1/3 | 0.26 | 0.20 | 0.15 | 0.13 | 0.44 | 0.34 | 0.28 | 0.23 | 0.20 | 0.3 | 0.23 | 0.18 | 0.14 | 0.11 | 0.53 | 0.41 | 0.33 | 0.27 | 0.23 | |
| 1/2 | 0.36 | 0.27 | 0.21 | 0.17 | 0.61 | 0.48 | 0.38 | 0.32 | 0.27 | 0.41 | 0.31 | 0.24 | 0.19 | 0.16 | 0.73 | 0.57 | 0.46 | 0.37 | 0.31 | |
| 3/4 | 0.54 | 0.41 | 0.32 | 0.26 | 0.92 | 0.72 | 0.58 | 0.48 | 0.41 | 0.62 | 0.47 | 0.37 | 0.29 | 0.24 | 1.1 | 0.86 | 0.69 | 0.57 | 0.47 | |
| 1 | 0.72 | 0.54 | 0.43 | 0.35 | 1.23 | 0.96 | 0.78 | 0.64 | 0.55 | 0.83 | 0.63 | 0.49 | 0.39 | 0.32 | 1.47 | 1.15 | 0.92 | 0.76 | 0.64 | |
| 1-1/2 | 1.05 | 0.79 | 0.62 | 0.51 | 1.79 | 1.40 | 1.13 | 0.94 | 0.80 | 1.2 | 0.92 | 0.71 | 0.57 | 0.46 | 2.14 | 1.67 | 1.34 | 1.1 | 0.92 | |
| 2 | 1.44 | 1.09 | 0.86 | 0.70 | 2.46 | 1.92 | 1.55 | 1.29 | 1.10 | 1.65 | 1.26 | 0.98 | 0.78 | 0.64 | 2.93 | 2.3 | 1.84 | 1.51 | 1.27 | |
| 2-1/2 | 1.79 | 1.35 | 1.07 | 0.88 | 3.06 | 2.39 | 1.93 | 1.60 | 1.37 | 2.06 | 1.57 | 1.22 | 0.97 | 0.79 | 3.66 | 2.86 | 2.3 | 1.88 | 1.58 | |
| 3 | 2.15 | 1.63 | 1.28 | 1.05 | 3.68 | 2.87 | 2.32 | 1.92 | 1.65 | 2.47 | 1.88 | 1.47 | 1.17 | 0.95 | 4.39 | 3.44 | 2.76 | 2.26 | 1.9 | |
| 4 | 2.88 | 2.18 | 1.72 | 1.41 | 4.92 | 3.84 | 3.10 | 2.58 | 2.20 | 3.31 | 2.52 | 1.96 | 1.56 | 1.27 | 5.88 | 4.6 | 3.69 | 3.02 | 2.54 | |
| 5 | 3.55 | 2.68 | 2.12 | 1.73 | 6.07 | 4.74 | 3.82 | 3.18 | 2.72 | 4.08 | 3.11 | 2.42 | 1.93 | 1.57 | 7.25 | 5.67 | 4.55 | 3.73 | 3.13 | |
| 6 | 4.26 | 3.22 | 2.54 | 2.08 | 7.28 | 5.68 | 4.58 | 3.81 | 3.26 | 4.89 | 3.72 | 2.91 | 2.31 | 1.88 | 8.69 | 6.8 | 5.45 | 4.47 | 3.76 | |
| 8 | 5.13 | 3.88 | 3.06 | 2.51 | 8.77 | 6.84 | 5.52 | 4.59 | 3.92 | 5.89 | 4.49 | 3.5 | 2.79 | 2.27 | 10.5 | 8.19 | 6.57 | 5.39 | 4.53 | |
| 10 | 5.75 | 4.35 | 3.43 | 2.81 | 9.83 | 7.67 | 6.19 | 5.14 | 4.40 | 6.6 | 5.03 | 3.92 | 3.12 | 2.54 | 11.7 | 9.18 | 7.36 | 6.04 | 5.07 | |
| 12 | 7.10 | 5.36 | 4.23 | 3.47 | 12.10 | 9.47 | 7.64 | 6.35 | 5.43 | 8.16 | 6.21 | 4.84 | 3.86 | 3.14 | 14.5 | 11.3 | 9.09 | 7.46 | 6.26 | |
| 15 | 8.81 | 6.65 | 5.25 | 4.30 | 15.00 | 11.70 | 9.48 | 7.88 | 6.73 | 10.1 | 7.7 | 6.01 | 4.78 | 3.89 | 18 | 14.1 | 11.3 | 9.25 | 7.77 | |
| 17 | 9.85 | 7.44 | 5.87 | 4.81 | 16.80 | 13.10 | 10.60 | 8.81 | 7.53 | 11.3 | 8.61 | 6.72 | 5.35 | 4.35 | 20.1 | 15.7 | 12.6 | 10.3 | 8.69 | |
| 20 | 11.90 | 8.96 | 7.07 | 5.80 | 20.30 | 15.80 | 12.80 | 10.60 | 9.08 | 13.6 | 10.4 | 8.1 | 6.45 | 5.24 | 24.2 | 19 | 15.2 | 12.5 | 10.5 | |
| 25 | 14.90 | 11.30 | 8.90 | 7.29 | 25.50 | 19.90 | 16.10 | 13.40 | 11.40 | 17.1 | 13.1 | 10.2 | 8.11 | 6.6 | 30.5 | 23.8 | 19.1 | 15.7 | 13.2 | |
| 30 | 17.10 | 12.90 | 10.20 | 8.33 | 29.10 | 22.70 | 18.40 | 15.30 | 13.00 | 19.6 | 14.9 | 11.6 | 9.27 | 7.54 | 34.8 | 27.2 | 21.8 | 17.9 | 15 | |
| 35 | 20.50 | 15.50 | 12.20 | 10.00 | 35.10 | 27.40 | 22.10 | 18.40 | 15.70 | 23.6 | 17.9 | 14 | 11.1 | 9.07 | 41.9 | 32.8 | 26.3 | 21.5 | 18.1 | |
| 40 | 23.00 | 17.40 | 13.70 | 11.20 | 39.30 | 30.70 | 24.80 | 20.60 | 17.60 | 26.4 | 20.1 | 15.7 | 12.5 | 10.2 | 47 | 36.7 | 29.5 | 24.2 | 20.3 | |
| 50 | 29.90 | 22.50 | 17.80 | 14.60 | 51.00 | 39.80 | 32.10 | 26.70 | 22.80 | 34.3 | 26.1 | 20.4 | 16.2 | 13.2 | 60.9 | 47.7 | 38.2 | 31.3 | 26.3 | |

NOZZLES AND RETAINING RINGS

NOZZLES AND RINGS MAY BE ORDERED SEPERATELY. INFORMATION REQUIRED FOR NOZZLES IS OUTSIDE DIAMETER OF NOZZLE, (WHICH IS DESIGNATED BY A LETTER) AND A NUMBER WHICH DETERMINES THE ORIFICE SIZE. NOZZLES ARE INTERCHANGEABLE WITH SEVERAL BODIES OF THE SAME INLET SIZE. RINGS MAY BE ORDERED WITH A LETTER CORRESPONDING TO THE NOZZLE. FOR EXAMPLE, "E" RING WOULD GO WITH A DISTRIBUTOR BODY THAT TAKES AN "E" NOZZLE.

| Nozzle Size | A | B |
|-------------|-------|-------|
| A | 1.375 | 0.25 |
| C | 1.120 | 0.25 |
| E | 1.000 | 0.25 |
| G | 0.735 | 0.25 |
| J | 0.498 | 0.25 |
| L | 0.401 | 0.187 |

