# Non Standard Condition Refrigerated Air Dryer Capacity Correction

**To obtain flow capacities at conditions other than standard (SCFM @ 100 PSIG, 100°F Inlet & 100°F Ambient), locate the multiplier at the intersection of actual operating conditions. Multiply the rated capacity of the selected dryer by the selected multiplier. The result is the corrected flow capacity. Flow rates in excess of specified due to capacity correction can result in increasing pressure drop.**

| Inlet Temperature | | 70°F | | | 80°F | | | 90°F | | | 95°F | | | 100°F | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ambient Temperature | | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F |
| Inlet Air Temperature | 50 PSIG | 1.52 | 1.39 | 1.18 | 1.11 | 1.02 | 0.87 | 0.82 | 0.75 | 0.64 | 0.71 | 0.65 | 0.55 | 0.61 | 0.56 | 0.48 |
| | 60 PSIG | 1.75 | 1.61 | 1.37 | 1.28 | 1.17 | 1.00 | 0.95 | 0.87 | 0.74 | 0.82 | 0.75 | 0.64 | 0.71 | 0.65 | 0.55 |
| | 70 PSIG | 1.99 | 1.82 | 1.55 | 1.45 | 1.33 | 1.13 | 1.07 | 0.99 | 0.84 | 0.93 | 0.85 | 0.72 | 0.80 | 0.74 | 0.63 |
| | 80 PSIG | 2.22 | 2.04 | 1.73 | 1.62 | 1.49 | 1.27 | 1.20 | 1.10 | 0.94 | 1.04 | 0.95 | 0.81 | 0.90 | 0.83 | 0.70 |
| | 90 PSIG | 2.46 | 2.25 | 1.92 | 1.79 | 1.65 | 1.40 | 1.32 | 1.21 | 1.03 | 1.15 | 1.05 | 0.89 | 0.99 | 0.91 | 0.78 |
| | 100 PSIG | 2.69 | 2.47 | 2.10 | 1.96 | 1.80 | 1.53 | 1.45 | 1.33 | 1.13 | 1.26 | 1.15 | 0.98 | 1.09 | 1.00 | 0.85 |
| | 110 PSIG | 2.92 | 2.68 | 2.28 | 2.14 | 1.96 | 1.67 | 1.58 | 1.45 | 1.23 | 1.37 | 1.25 | 1.07 | 1.19 | 1.09 | 0.92 |
| | 120 PSIG | 3.16 | 2.90 | 2.46 | 2.31 | 2.12 | 1.80 | 1.71 | 1.57 | 1.33 | 1.48 | 1.35 | 1.15 | 1.09 | 1.17 | 1.00 |
| | 130 PSIG | 3.39 | 3.11 | 2.64 | 2.48 | 2.27 | 1.93 | 1.83 | 1.68 | 1.43 | 1.59 | 1.45 | 1.24 | 1.38 | 1.26 | 1.07 |
| | 140 PSIG | 3.62 | 3.33 | 2.83 | 2.65 | 2.43 | 2.07 | 1.96 | 1.80 | 1.53 | 1.70 | 1.56 | 1.32 | 1.47 | 1.35 | 1.15 |
| | 150 PSIG | 3.86 | 3.54 | 3.01 | 2.82 | 2.59 | 2.20 | 2.09 | 1.91 | 1.63 | 1.80 | 1.66 | 1.41 | 1.57 | 1.44 | 1.22 |
| | 175 PSIG | 4.44 | 4.07 | 3.46 | 3.25 | 2.98 | 2.53 | 2.40 | 2.21 | 1.87 | 2.08 | 1.91 | 1.62 | 1.80 | 1.65 | 1.41 |
| | 200 PSIG | 5.02 | 4.61 | 3.92 | 3.67 | 3.37 | 2.86 | 2.72 | 2.50 | 2.12 | 2.35 | 2.16 | 1.83 | 2.04 | 1.87 | 1.59 |

| Inlet Temperature | | 105°F | | | 110°F | | | 115°F | | | 120°F | | | 125°F | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ambient Temperature | | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F | 90°F | 100°F | 110°F |
| Inlet Air Temperature | 50 PSIG | 0.53 | 0.49 | 0.42 | 0.47 | 0.43 | 0.36 | 0.41 | 0.37 | 0.32 | 0.36 | 0.33 | 0.28 | 0.31 | 0.29 | 0.25 |
| | 60 PSIG | 0.62 | 0.57 | 0.48 | 2.50 | 2.29 | 1.95 | 0.47 | 0.43 | 0.37 | 0.41 | 0.38 | 0.32 | 0.36 | 0.33 | 0.28 |
| | 70 PSIG | 0.70 | 0.64 | 0.55 | 0.61 | 0.56 | 0.48 | 0.53 | 0.49 | 0.42 | 0.47 | 0.43 | 0.37 | 0.41 | 0.38 | 0.32 |
| | 80 PSIG | 0.78 | 0.72 | 0.61 | 0.68 | 0.63 | 0.53 | 0.60 | 0.55 | 0.47 | 0.52 | 0.48 | 0.41 | 0.46 | 0.42 | 0.36 |
| | 90 PSIG | 0.87 | 0.79 | 0.67 | 0.75 | 0.69 | 0.59 | 0.66 | 0.61 | 0.51 | 0.58 | 0.53 | 0.45 | 0.51 | 0.47 | 0.40 |
| | 100 PSIG | 0.95 | 0.87 | 0.74 | 0.83 | 0.76 | 0.64 | 0.72 | 0.66 | 0.56 | 0.63 | 0.58 | 0.49 | 0.56 | 0.51 | 0.43 |
| | 110 PSIG | 1.03 | 0.95 | 0.80 | 0.90 | 0.82 | 0.70 | 0.79 | 0.72 | 0.61 | 0.69 | 0.63 | 0.54 | 0.61 | 0.56 | 0.47 |
| | 120 PSIG | 1.11 | 1.02 | 0.87 | 0.97 | 0.89 | 0.76 | 0.85 | 0.78 | 0.66 | 0.74 | 0.68 | 0.58 | 0.66 | 0.60 | 0.51 |
| | 130 PSIG | 1.20 | 1.10 | 0.93 | 1.04 | 0.96 | 0.81 | 0.91 | 0.84 | 0.71 | 0.80 | 0.73 | 0.62 | 0.70 | 0.65 | 0.55 |
| | 140 PSIG | 1.28 | 1.17 | 1.00 | 1.12 | 1.02 | 0.87 | 0.98 | 0.90 | 0.76 | 0.86 | 0.79 | 0.67 | 0.75 | 0.69 | 0.59 |
| | 150 PSIG | 1.36 | 1.25 | 1.06 | 1.19 | 1.09 | 0.93 | 1.04 | 0.95 | 0.81 | 0.91 | 0.84 | 0.71 | 0.80 | 0.74 | 0.62 |
| | 175 PSIG | 1.57 | 1.44 | 1.22 | 1.37 | 1.26 | 1.07 | 1.20 | 1.10 | 0.93 | 1.05 | 0.96 | 0.82 | 0.92 | 0.85 | 0.72 |
| | 200 PSIG | 1.78 | 1.63 | 1.38 | 1.55 | 1.42 | 1.21 | 1.36 | 1.24 | 1.06 | 1.19 | 1.09 | 0.93 | 1.05 | 0.96 | 0.82 |