

Cactus® Air Dryer Performance at 100 psig

| Dry Air Dewpoint °F @ pressure | Supply Air Dewpoint °F @ 100 psig | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-----------------------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|
| | 50 | | 60 | | 70 | | 80 | | 90 | | 100 | | 110 | | 120 | | 130 | | 140 | | 150 | |
| | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) | Supply Air (scfm) | Dry Air (scfm) |
| Model PC1010-P1-3A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 3.50 | 3.32 | 2.32 | 2.13 | 1.73 | 1.54 | 1.45 | 1.25 | 1.33 | 1.12 | 1.23 | 1.01 | 1.15 | 0.92 | 1.08 | 0.84 | 1.03 | 0.78 | 0.99 | 0.73 | 0.96 | 0.68 |
| 20 | 1.50 | 1.32 | 1.31 | 1.13 | 1.18 | 0.99 | 1.09 | 0.88 | 1.03 | 0.82 | 0.97 | 0.75 | 0.93 | 0.70 | 0.89 | 0.65 | 0.86 | 0.61 | 0.83 | 0.57 | 0.81 | 0.54 |
| 0 | 1.05 | 0.87 | 0.98 | 0.79 | 0.92 | 0.72 | 0.87 | 0.67 | 0.83 | 0.62 | 0.79 | 0.58 | 0.76 | 0.54 | 0.74 | 0.50 | 0.72 | 0.47 | 0.70 | 0.45 | 0.69 | 0.42 |
| -20 | 0.82 | 0.64 | 0.78 | 0.59 | 0.74 | 0.55 | 0.71 | 0.51 | 0.68 | 0.48 | 0.66 | 0.45 | 0.64 | 0.42 | 0.63 | 0.39 | 0.61 | 0.37 | 0.60 | 0.35 | 0.59 | 0.32 |
| -40 | 0.66 | 0.49 | 0.64 | 0.45 | 0.61 | 0.42 | 0.59 | 0.39 | 0.57 | 0.37 | 0.55 | 0.34 | 0.54 | 0.32 | 0.53 | 0.30 | 0.52 | 0.28 | 0.51 | 0.26 | 0.51 | 0.24 |
| Model PC1020-P1-3A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 12.94 | 12.25 | 8.49 | 7.78 | 6.32 | 5.58 | 5.25 | 4.48 | 4.73 | 3.93 | 4.33 | 3.50 | 4.02 | 3.16 | 3.78 | 2.89 | 3.59 | 2.66 | 3.44 | 2.47 | 3.32 | 2.31 |
| 20 | 5.59 | 4.88 | 4.83 | 4.10 | 4.30 | 3.55 | 3.92 | 3.15 | 3.65 | 2.86 | 3.44 | 2.62 | 3.28 | 2.42 | 3.14 | 2.26 | 3.03 | 2.11 | 2.94 | 1.98 | 2.86 | 1.87 |
| 0 | 3.84 | 3.13 | 3.55 | 2.82 | 3.31 | 2.57 | 3.13 | 2.35 | 2.97 | 2.18 | 2.84 | 2.03 | 2.74 | 1.89 | 2.66 | 1.78 | 2.59 | 1.68 | 2.53 | 1.59 | 2.49 | 1.51 |
| -20 | 3.00 | 2.29 | 2.84 | 2.11 | 2.70 | 1.95 | 2.59 | 1.82 | 2.49 | 1.70 | 2.41 | 1.60 | 2.35 | 1.50 | 2.29 | 1.42 | 2.24 | 1.34 | 2.21 | 1.27 | 2.18 | 1.21 |
| -40 | 2.46 | 1.75 | 2.36 | 1.63 | 2.27 | 1.52 | 2.19 | 1.43 | 2.13 | 1.34 | 2.08 | 1.26 | 2.03 | 1.19 | 1.99 | 1.13 | 1.96 | 1.07 | 1.94 | 1.01 | 1.92 | .096 |
| Model PC3010-D2-3A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 21.3 | 20.3 | 15.7 | 14.7 | 11.5 | 10.5 | 9.0 | 7.9 | 8.2 | 7.1 | 7.8 | 6.7 | 7.3 | 6.2 | 7.0 | 5.8 | 6.7 | 5.5 | 6.4 | 5.2 | 6.3 | 4.9 |
| 20 | 9.9 | 8.8 | 8.8 | 7.8 | 8.0 | 6.9 | 7.3 | 6.2 | 6.9 | 5.8 | 6.5 | 5.4 | 6.2 | 5.1 | 6.0 | 4.8 | 5.8 | 4.5 | 5.6 | 4.3 | 5.5 | 4.1 |
| 0 | 7.2 | 6.2 | 6.8 | 5.7 | 6.4 | 5.3 | 6.0 | 4.9 | 5.7 | 4.6 | 5.5 | 4.3 | 5.3 | 4.1 | 5.1 | 3.9 | 5.0 | 3.7 | 4.8 | 3.5 | 4.7 | 3.3 |
| -20 | 5.8 | 4.8 | 5.5 | 4.5 | 5.3 | 4.2 | 5.0 | 3.9 | 4.8 | 3.7 | 4.7 | 3.5 | 4.5 | 3.3 | 4.4 | 3.1 | 4.2 | 2.9 | 4.1 | 2.8 | 4.0 | 2.6 |
| -40 | 4.8 | 3.7 | 4.6 | 3.5 | 4.4 | 3.3 | 4.2 | 3.1 | 4.0 | 2.9 | 3.9 | 2.7 | 3.8 | 2.6 | 3.7 | 2.4 | 3.6 | 2.3 | 3.5 | 2.2 | 3.4 | 2.0 |
| Model PC3020-D2-4A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 43.5 | 41.4 | 32.3 | 30.2 | 24.1 | 21.9 | 19.1 | 16.9 | 17.7 | 15.5 | 17.2 | 14.9 | 16.3 | 13.9 | 15.7 | 13.2 | 15.2 | 12.6 | 14.7 | 12.0 | 14.3 | 11.5 |
| 20 | 20.8 | 18.7 | 18.8 | 16.7 | 17.3 | 15.1 | 16.1 | 13.8 | 15.3 | 13.0 | 14.7 | 12.3 | 14.2 | 11.7 | 13.7 | 11.2 | 13.3 | 10.6 | 12.9 | 10.2 | 12.6 | 9.7 |
| 0 | 15.8 | 13.7 | 15.0 | 12.8 | 14.2 | 12.0 | 13.6 | 11.3 | 13.1 | 10.7 | 12.6 | 10.2 | 12.2 | 9.6 | 11.8 | 9.2 | 11.5 | 8.8 | 11.2 | 8.3 | 10.9 | 7.9 |
| -20 | 13.1 | 10.9 | 12.5 | 10.3 | 12.0 | 9.7 | 11.5 | 9.2 | 11.1 | 8.7 | 10.7 | 8.2 | 10.3 | 7.8 | 10.0 | 7.4 | 9.7 | 7.0 | 9.5 | 6.6 | 9.3 | 6.3 |
| -40 | 10.9 | 8.7 | 10.4 | 8.2 | 10.0 | 7.7 | 9.6 | 7.3 | 9.3 | 6.8 | 8.9 | 6.4 | 8.6 | 6.1 | 8.4 | 5.7 | 8.1 | 5.4 | 7.9 | 5.0 | 7.7 | 4.7 |
| Model PC3030-D2-4A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 73.3 | 69.8 | 54.4 | 50.9 | 40.6 | 37.0 | 32.2 | 28.5 | 29.9 | 26.1 | 29.0 | 25.1 | 27.5 | 23.5 | 26.5 | 22.3 | 25.6 | 21.2 | 24.8 | 20.3 | 24.2 | 19.4 |
| 20 | 35.0 | 31.5 | 31.7 | 28.1 | 29.1 | 25.4 | 27.1 | 23.3 | 25.8 | 21.9 | 24.8 | 20.8 | 23.9 | 19.7 | 23.1 | 18.8 | 22.4 | 17.9 | 21.8 | 17.1 | 21.3 | 16.4 |
| 0 | 26.7 | 23.1 | 25.2 | 21.5 | 24.0 | 20.2 | 22.9 | 19.0 | 22.0 | 18.0 | 21.2 | 17.1 | 20.5 | 16.3 | 19.9 | 15.5 | 19.3 | 14.8 | 18.8 | 14.1 | 18.4 | 13.4 |
| -20 | 22.0 | 18.4 | 21.1 | 17.3 | 20.2 | 16.3 | 19.4 | 15.5 | 18.7 | 14.6 | 18.0 | 13.8 | 17.4 | 13.1 | 16.9 | 12.4 | 16.4 | 11.8 | 16.0 | 11.2 | 15.6 | 10.6 |
| -40 | 18.4 | 14.7 | 17.6 | 13.8 | 16.9 | 13.0 | 16.2 | 12.2 | 15.6 | 11.5 | 15.0 | 10.8 | 14.6 | 10.2 | 14.1 | 9.6 | 13.7 | 9.0 | 13.3 | 8.5 | 13.0 | 8.0 |
| Model PC4030-D2-6A-20 | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 142.8 | 136.0 | 106.3 | 99.4 | 79.4 | 72.3 | 62.9 | 55.6 | 58.0 | 50.6 | 56.0 | 48.4 | 52.8 | 45.0 | 50.6 | 42.5 | 48.6 | 40.3 | 47.0 | 38.3 | 45.7 | 36.6 |
| 20 | 68.9 | 61.8 | 62.1 | 54.9 | 56.6 | 49.3 | 52.4 | 44.9 | 49.7 | 42.0 | 47.5 | 39.7 | 45.5 | 37.5 | 43.9 | 35.6 | 42.5 | 33.9 | 41.3 | 32.3 | 40.2 | 30.9 |
| 0 | 52.1 | 44.9 | 49.0 | 41.7 | 46.3 | 38.8 | 44.0 | 36.4 | 42.2 | 34.3 | 40.5 | 32.5 | 39.1 | 30.8 | 37.8 | 29.3 | 36.7 | 27.9 | 35.7 | 26.5 | 34.8 | 25.3 |
| -20 | 42.8 | 35.5 | 40.7 | 33.3 | 38.9 | 31.3 | 37.2 | 29.5 | 35.8 | 27.8 | 34.5 | 26.3 | 33.3 | 24.9 | 32.3 | 23.7 | 31.4 | 22.4 | 30.5 | 21.3 | 29.8 | 20.2 |
| -40 | 35.6 | 28.3 | 34.0 | 26.6 | 32.6 | 24.9 | 31.2 | 23.4 | 30.1 | 22.1 | 29.0 | 20.8 | 28.1 | 19.6 | 27.2 | 18.5 | 26.4 | 17.5 | 25.8 | 16.5 | 25.2 | 15.6 |

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