

HEAT OF COMPRESSION AIR DRYER

H Series

Air Solutions
Davidson, NC 28036

Date: **08 Nov 2011**
Cancels: **28 July 2011**

ENGINEERING DATA

| Model | H-8 | H-10 | H-13 | H-19 | H-30 | H-43 |
|-----------------------------|------|------|------|------|------|-------|
| Flow (scfm*) @ 100 psig | 741 | 938 | 1158 | 1667 | 2604 | 3750 |
| Vessel OD (inches) | 16 | 18 | 20 | 24 | 30 | 36 |
| Desiccant per Vessel (lbs) | 174 | 309 | 483 | 695 | 1086 | 1564 |
| Inlet Connection | 3" | 3" | 3" | 3" | 4" | 6" |
| Outlet Connection | 3" | 3" | 3" | 3" | 4" | 6" |
| Valve Size | 3" | 3" | 3" | 3" | 4" | 6" |
| Estimated Cooler Flow (gpm) | 29 | 32 | 34 | 49 | 77 | 111 |
| Length (inches) | 88 | 90 | 113 | 108 | 120 | 156 |
| Width (inches) | 62 | 62 | 67 | 72 | 72 | 90 |
| Height (inches) | 84 | 84 | 86 | 86 | 89 | 94 |
| Weight (inches) | 4050 | 4375 | 4750 | 5050 | 6900 | 12400 |

| Model | H-58 | H-75 | H-95 | H-118 | H-142 | H-170 |
|-----------------------------|-------|-------|-------|-------|-------|-------|
| Flow (scfm*) @ 100 psig | 5105 | 6667 | 8438 | 10418 | 12606 | 15002 |
| Vessel OD (inches) | 42 | 48 | 54 | 60 | 66 | 72 |
| Desiccant per Vessel (lbs) | 2129 | 2780 | 3520 | 4344 | 5457 | 6256 |
| Inlet Connection | 6" | 8" | 8" | 8" | 10" | 10" |
| Outlet Connection | 6" | 8" | 8" | 8" | 10" | 10" |
| Valve Size | 6" | 8" | 8" | 8" | 10" | 10" |
| Estimated Cooler Flow (gpm) | 152 | 151 | 193 | 238 | 286 | 341 |
| Length (inches) | 164 | 182 | 210 | 216 | 237 | 243 |
| Width (inches) | 95 | 113 | 120 | 121 | 134 | 142 |
| Height (inches) | 97 | 98 | 105 | 106 | 107 | 116 |
| Weight (inches) | 12800 | 17400 | 22300 | 23950 | 26100 | 33100 |

* Conditions based on 100 psig operating pressure, 95°F ambient air, 225°F compressor discharge temperature, and 85°F cooling water

Standard cooler has a 10°F CTD (max inlet temp of 400°F)

Cycle time is 1 hour (30 minutes drying / 30 minutes regenerating)

NOTE: H-Series Dryer requires minimum of 25% flow. Contact Factory for details.

Models H-19 and below can be offered for Engineered Projects. For Standard HOC Dryers in this size range, please review the D-EH Product Offering