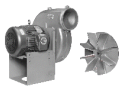


# Howden American Fan Company
## Combination Data Sheet
### AFR - Radial Bladed

| | | | | | |
|---|---|---|---|---|---|
| Quotation Number | : | | Fan Code | : | AF-12-R13722-7 |
| Project Name | : | Industrial Fan Direct | Customer | : | |
| Item Reference: | : | | Date: | : | |

**Conditions Specified**

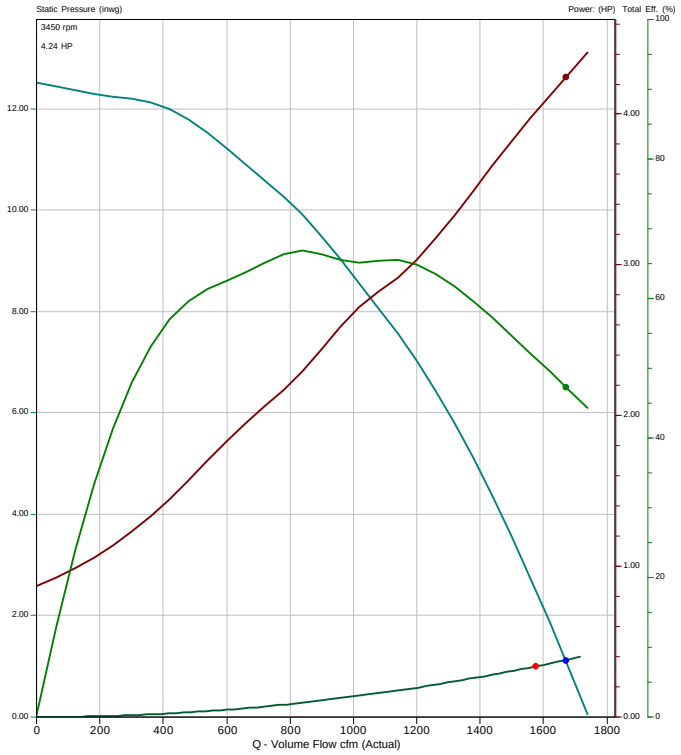
| | |
|---|---|
| Volume | 1575 cfm |
| Outlet Pressure | 1.00 inwg (static) |
| Inlet Pressure | 0.00 inwg (static) |
| Density | 0.075 lb/ft³ |
| Humidity | 50 % |
| Operating Temperature | 68 °F |
| Construction Temperature | 0 - 150 °F Standard |
| Altitude | 0 ft |
| Arrt | 4 (dDirect) |

**Fan Selection**

| | |
|---|---|
| Fan Code | AF-12-R13722-7 |
| Volume | 1669 cfm |
| Pressure @ 0.075 lb/ft³ | 1.12 inwg (static) |
| Pressure @ 0.075 lb/ft³ | 1.12 inwg (static) |
| Power @ 0.075 lb/ft³ | 4.24 HP |
| Power @ 0.075 lb/ft³ | 4.24 HP |
| Fan Speed | 3450 rpm |
| Max Speed | 3800 rpm |
| Wheel Tip Speed | 12517 fpm |
| Max Safe Tip Speed | 13787 fpm |
| Velocity | 10234 fpm |
| Static Efficiency | 7 % |

**Motor Selection**

| | |
|---|---|
| Motor Frame | 184T |
| Enclosure | AF Enclosure TEFC |
| Efficiency Grade | Standard |
| Speed | 3450 rpm |
| Power | 5.00 HP |
| Full Load | 21 A |
| Locked Rotor | 71.4 A |
| Electrical Supply | 230 Volts 60 Hz 1 Phase |




| | Sound Spectrum (Hz) | | | | | | | | Overall | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Lw* | LpA @ 3 ft** |
| Inlet* | 96 | 96 | 103 | 109 | 105 | 98 | 91 | 86 | 111 | 98 |

* Lw dB re $10^{-12}$ W ** dBA re $2x10^{-5}$ Pa

Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter.

| Description | Qty |
|---|---|
| Fan | |
| AF-12-R13722-7 | 1 |
| Fan Accessories | |
| | |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