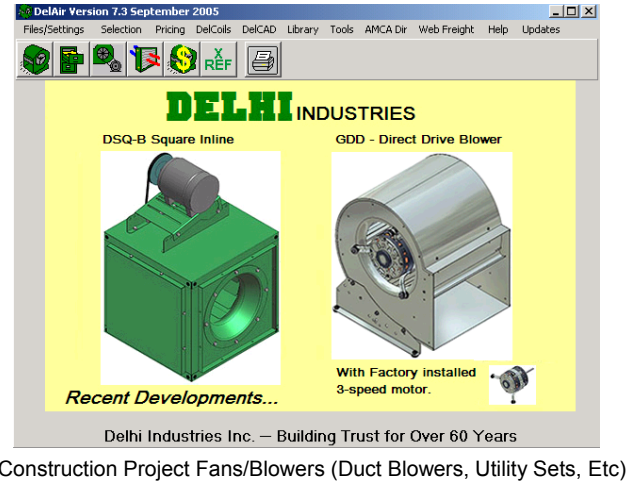
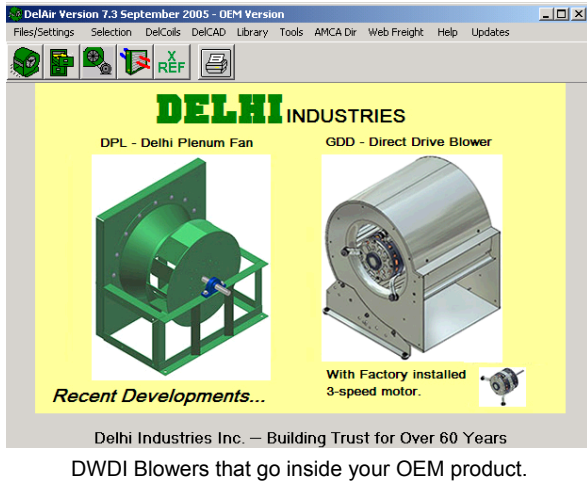


DELAIR FEATURES

A windows based fan performance program that leads the industry in ease of use and quality of results.

In the Delair program under "Files/Settings"/"Preferences/User Settings" select the **Product Selection** which suits your needs



From the main screen series info, images, drawings, curves, drives, print a submittal, print the list selected and AMCA Ratings can be selected.

DelAir 7.3 Blower Performance Data

Search Parameters
 CFM: 4000 in. wg: 2 Temp. °F: 70 Altitude ft.: Sea Level - @ 0 Feet Search

Rank (BHP)	Model (Click on columns to Sort)	UL	RPM	BHP	Static Efficiency	LwA	SONES
1	915		1008	2.05	61.4	87	26
2	920-18		738	2.10	60.0	87	30
3	918-13		804	2.15	58.5	84	22
4	915-10		911	2.17	58.1	85	23
5	920		734	2.38	52.9	87	30
6	922		680	2.42	52.0	88	28
7	918		855	2.51	50.1	85	24
8	925		580	2.52	50.0	86	27

Performance Availability Component Information

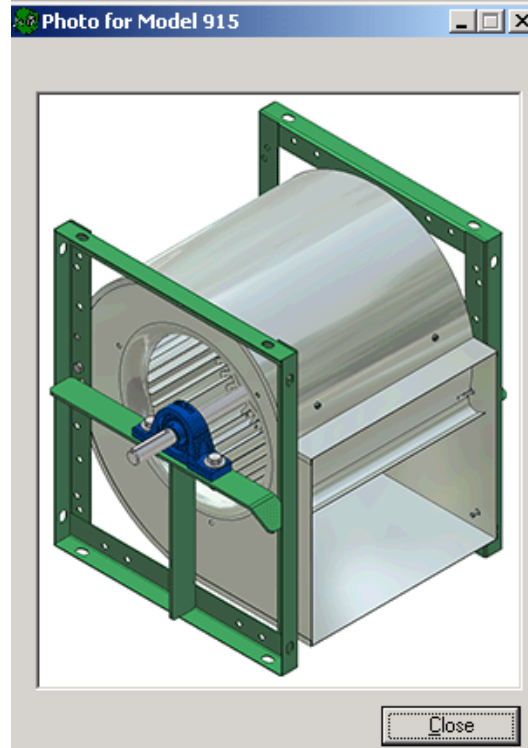
Sound Power Level @ Frequency, re: 10⁻¹² Watts
 63 125 250 500 1000 2000 4000 8000 (Hz)
 86 94 88 84 80 76 72 67 (dB)
 Ducted inlet or ducted outlet dBA @5 ft. 76 Sound Info
 Ducted inlet and ducted outlet dBA @5 ft. 56

Shaft Dia.: 1 Max RPM: 1800 Max BHP: See...
 Outlet Velocity: 1948 FPM Tip Speed: 4090
 Wheel Dia.: 15.5 Unit Weight: 76 lbs

Curve to Clipboard

Buttons: Series Info, Image, Drawing, Curve Zoom, Drives, Submittal..., Print List, AMCA Rating, Back, Close

Product Photos can be viewed.

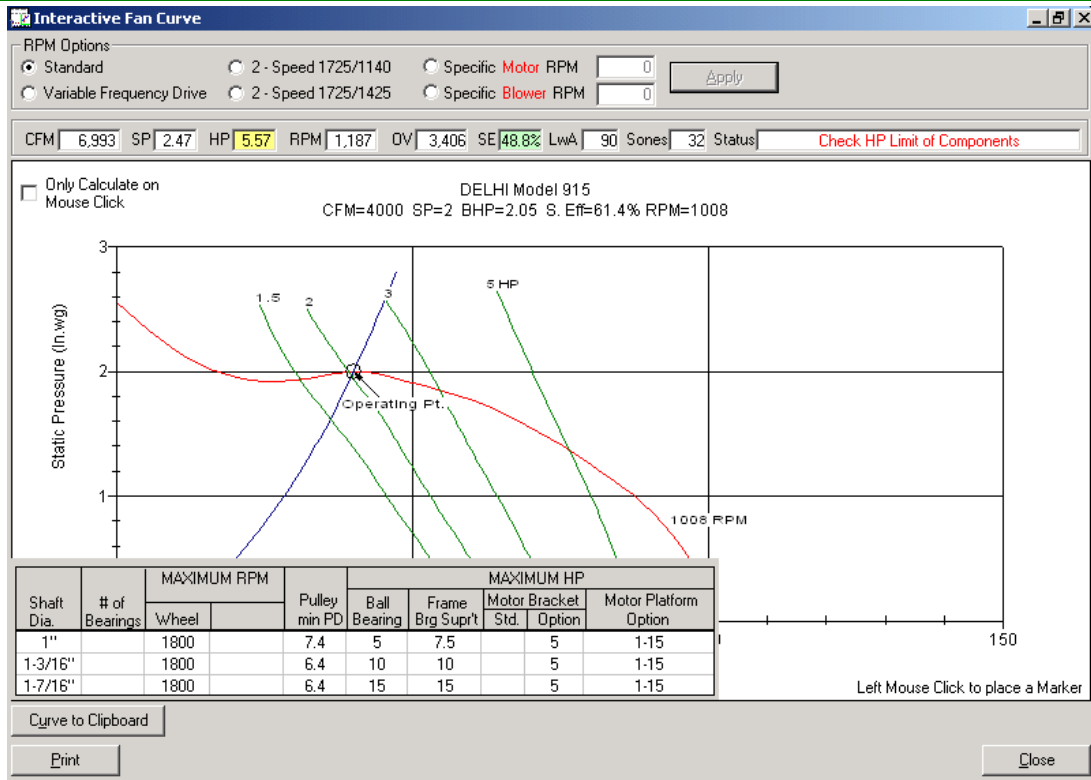


Drive Selections can be done.

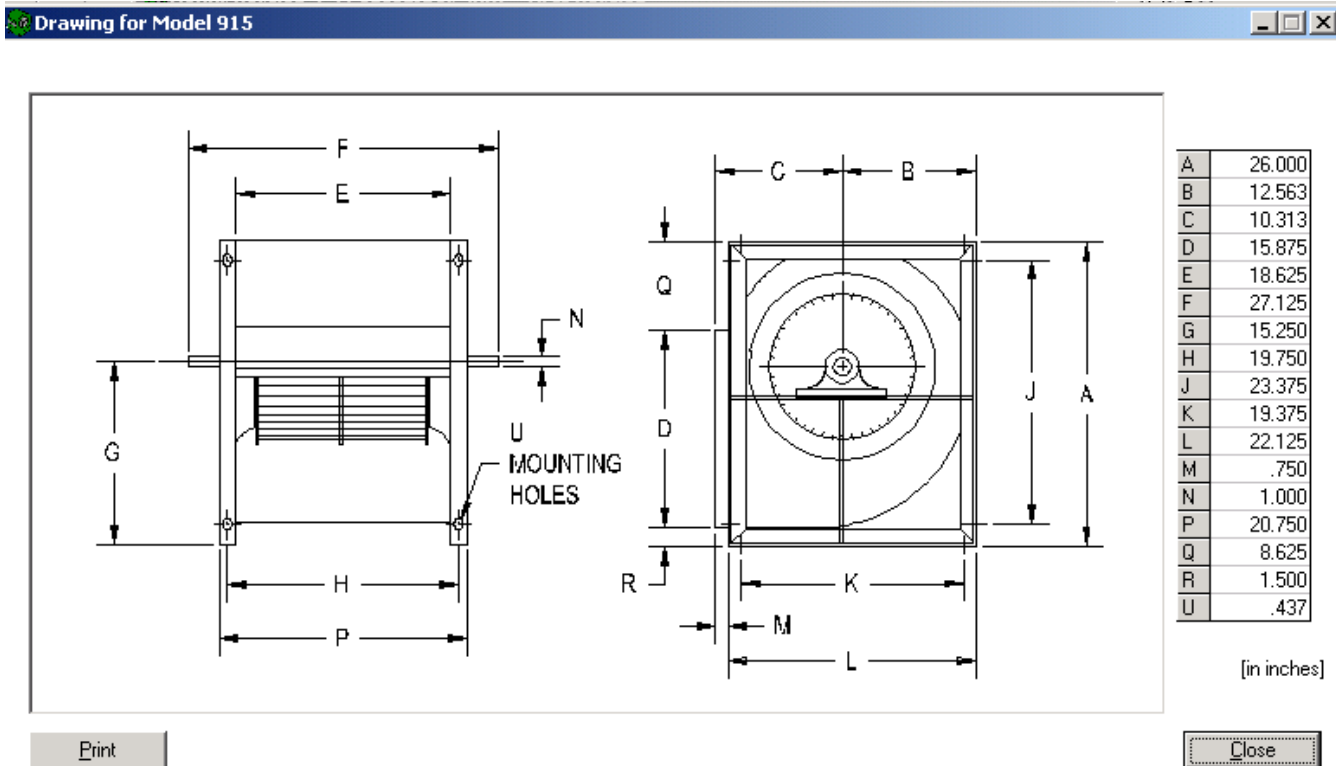
DelAir 7.3 Drive Selection Series 900 - HD, FC, DWDI Blower Model 915

Drive Parameters	Drive Selected
Shaft Dia.: 1	Reference: 1 of 8
Blower RPM (max 1800): 1008	Motor Pulley: 1VP44 x 1-1/8" \ 8500038
Motor HP (max 15): 3.00	Turns Open: 3
Motor Type: ODP	Blower Pulley: BKH70 \ 8500003
Motor Frame Size: 182T 184T Fr	Bushing: H x 1 \ 8500063
Motor Volts/Phase: 208-230/460/3	Belt: B49 \ 8200049
Motor RPM: <input checked="" type="radio"/> 1725 <input type="radio"/> 1750 <input type="radio"/> 3450	Minimum RPM: 835
<input type="radio"/> Other: 0	Maximum RPM: 1105
Center Line Distance	Manufacturer: <input checked="" type="radio"/> Browning <input type="radio"/> Woods <input type="radio"/> Maska
<input checked="" type="radio"/> I am mounting my motor on the blower in the following standard position	<input type="button" value="Previous Drive"/> <input type="button" value="Next Drive"/>
Position: 1 <input type="button" value="View Pgsitions"/>	<input type="button" value="Use Drive"/>
<input type="radio"/> I am not mounting my motor in a standard position	<input type="button" value="Print Drives"/> <input type="button" value="Cancel"/>
My Center Distance is: 17.375	
<input type="button" value="Calculate"/>	

Interactive Performance Curves can be viewed, copied to the clipboard or printed.



Dimensional Drawings can be viewed and printed.



Submittals can be completed, printed, emailed, saved or placed in another program..

DELHI INDUSTRIES SUBMITTAL **Date:** October 8, 2006 **Page 1 of 2**

Project No: _____ Submitted by: _____
 Project Name: _____
 Location: _____
 Engineer: _____
 Architect: _____
 Reference: _____

Equipment Tag _____ Contractor: _____

Model Information Series: 900: DWD, FC, CENTRIFUGAL

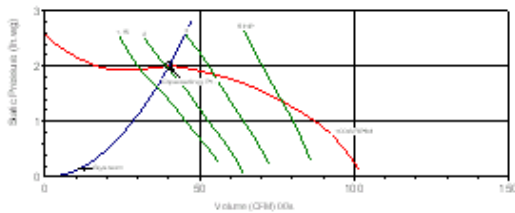
Model: 915 Part Number: _____
 CFM: 4000 Shaft Diameter: 1 in. Unit Weight: 76 lbs.
 SP: 2 Wheel Diameter: 15.5 in. Ship Weight: 87 lbs.
 RPM: 1008 Tip Speed: 4000 FPM
 SHP: 2.05 Static Efficiency: 81.4 % Bayonet: 0H
 Outlet Velocity: 1948 FPM Temperature: 70 F

Sound Data

63	125	250	500	1000	2000	4000	8000	(Hz)	LWA:	87
86	94	88	84	80	76	72	67	(dB)	SCN55:	26

Ducted inlet or ducted outlet dBA @5 ft. 76 Ducted inlet and ducted outlet dBA @5 ft. 96

Performance Curve DELHI Model 915
 CFM=4000 SP=2 SHP=2.05 S.Eff=81.4% RPM=1008



This test data was obtained in a laboratory accredited by AMCA for AMCA 210 Air Flow Performance testing. Data is not certified by AMCA. Test method per ANSI/AMCA 210-99 Figure 2, Test Method Type II, Free Inlet, Ducted Outlet. Horsepower does not include drive losses. Standard density 0.075 lb/cu ft.

v7.3.1

DELHI INDUSTRIES SUBMITTAL **Date:** October 8, 2006 **Page 2 of 2**

Drive Information

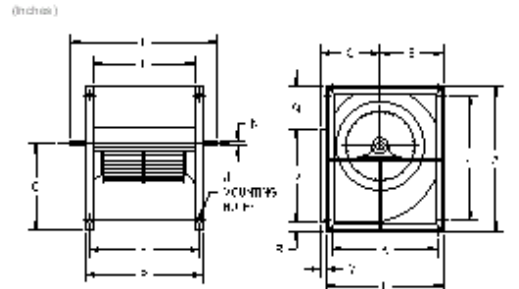
Motor/Pulley	Turns Open	Blower Pulley	Bushing	Shaft
1/2" NPT x 1-1/2" 1.850.0038	3	80-170 1.85.0030.3	Hx 1.1.85.0030.3	849 1.820.0049

Motor Data

HP	Motor Type	Motor/Phase	Frame	Motor RPM	Position
3.00	ODP	208-230-460.0	182T 184T FV	1725	1

Options/Notes

Dimensions Model: 915



A	B	C	D	E	F	G	H	J	K
26	12.993	10.313	15.875	18.625	27.125	15.25	19.75	23.375	19.375
L	M	N	P	Q	R	U			
22.125	75	1	20.75	88.25	1.5	43.75			

- Standard Features**
900 Series FC Blowers
- Forward curved wheel provides quiet, low rpm operation.
 - Capable of AMCA Class II operation with appropriate shaft and bearings.
 - Bearing and T-bar supports sufficient in strength for operation in any discharge position.
 - Keywayed shafts, both ends. May be driven from either side.
 - Heavy duty, self-aligning, grease lubricated, pillow block mounted ball bearings.
 - Sizes 907-918 have galvanized wheel, steel housing & frame with weather resistant green enamel finish.
 - Sizes 920-936 have galvanized wheel and galvanized housing with attractive green enamel finish.

Shaft Size and Bearing Life Calculator (in the Delair program under the "Tools" menu)

DelAir 7.3 Shaft Size & Ball Bearing Life

<p>Inputs</p> <p>Series: 900 Series</p> <p>Twin Bearing Type: _____</p> <p>RPM: 700</p> <p>Brake HP: 7.5</p> <p>Wheelsize, Dia x W: 15-15</p> <p>Usage: 24 (Hours per Day)</p> <p>L1: 4 L2: 9.87 L3: 9.87</p> <p>Wheel Wt, Lbs: 20.31</p> <p>Blower Pulley Pitch Dia: 13.6</p> <p>Blower Pulley Weight: 26.5</p>	<p>Results</p> <table border="1" style="width: 100%;"> <tr> <th>Shaft Size, inches</th> <th>L10 Bearing Life, Hrs.</th> <th>75% of Critical Speed RPM</th> <th>L10 Bearing Life, Years</th> </tr> <tr> <td>1 (1.00)</td> <td>32,351</td> <td>2,808</td> <td>3.7</td> </tr> <tr> <td>1-3/16 (1.19)</td> <td>87,560</td> <td>3,869</td> <td>10.</td> </tr> <tr> <td>1-7/16 (1.44)</td> <td>193,285</td> <td>5,470</td> <td>22.1</td> </tr> </table> <p>ASTM Shaft Design Formula for Min. Diameter due to stress 1.01</p> <p>Force on Drive-Side Bearing, Lbs. 285 Other Side, Lbs. -40</p> <div style="text-align: center;"> </div>	Shaft Size, inches	L10 Bearing Life, Hrs.	75% of Critical Speed RPM	L10 Bearing Life, Years	1 (1.00)	32,351	2,808	3.7	1-3/16 (1.19)	87,560	3,869	10.	1-7/16 (1.44)	193,285	5,470	22.1
Shaft Size, inches	L10 Bearing Life, Hrs.	75% of Critical Speed RPM	L10 Bearing Life, Years														
1 (1.00)	32,351	2,808	3.7														
1-3/16 (1.19)	87,560	3,869	10.														
1-7/16 (1.44)	193,285	5,470	22.1														

L10 Life L50 Life

View Series Notes

Calculate

Print Close

Fan Law Calculator (in Delair program under "Tools" menu).

	CFM	RPM	STATIC	BHP
Old	3000	700	2	3.0
New	4000	933	3.556	7.111
Ratio	1.33	1.33	1.78	2.37

Delhi Blower Cross Reference Information (in Delair program under "Library" menu).

Delhi	Acme	Barry	Breidert/Jenn	Brundage	Cames	Cook	Gree
200, 9200	DM,DMS			800, 900, 1800, 1900	VDBA, DGBA	DB	BDF
400	FCD						
600	FCF	RPK FC	Vent-Pak FC	SW	VFBB		S
700	AFSN		CSF	AS		ASP	F
800	FCH						
900	FCJ	Versacon					
BI	QB, 3000	RPK BI	Vent-Pak BI	BI	VBBB	CPV, CPS	SWB, SWB
BIDI	3000, Silentvane	Versacon					BI
CMRE							
DPL	8800, 8800 Star					CPL-F	F
DSQ-B					VIBK	SQN-B	B
G	FCA						
G DD	GCE						
SIS	AFSI		KSF			KSPB	K

Cross Reference Notes

Very similar
 ILG Max wheel diameter = 18 inch.
 Delhi Max wheel diameter = 20 inch

Other Features Located Under "Tools":

Amp vs. HP Table
 Units Conversion Calculator

Other Features Located Under "Library":

Fan Performance Curves
 Delhi Pulley Cross Reference Information
 Inserting Fan Curves In Other Documents
 Inserting Series Specifications In Other Documents.

DELCOILS

Hot Water, Chilled Water and Direct Expansion coils can be selected in the Delcoil Program.

Coils Version 7.01

Coil Selection

Duct Blower Model	207	209/9209	210/9210	212/9212	215/9215
Hot Water Coil	<input type="radio"/> HC 07	<input type="radio"/> HC 09	<input type="radio"/> HC 10	<input type="radio"/> HC 12	<input type="radio"/> HC 15
Hot water in Chilled Water Coil	<input type="radio"/> CW 07	<input type="radio"/> CW 09	<input type="radio"/> CW 10	<input type="radio"/> CW 12	<input type="radio"/> CW 15
Chilled Water Coil	<input checked="" type="radio"/> CW 07	<input type="radio"/> CW 09	<input type="radio"/> CW 10	<input type="radio"/> CW 12	<input type="radio"/> CW 15
Direct Expansion (DX) Coil	<input type="radio"/> DX-18-07	<input type="radio"/> DX-24-09	<input type="radio"/> DX-30/36-10	<input type="radio"/> DX-42/48-12	<input type="radio"/> DX-60-15

Typ. Ranges: 300 to 750 CFM 11,000 to 23,000 Btu/hr Size: 17-3/4w x 15-3/8h x 6 Face Area:1.37 Rows:4

Calculation Criteria
Target Value 400 CFM Leaving Air Dry Bulb Total Capacity Sensible Capacity

Entering Air Dry Bulb, F <input type="text" value="80"/> Entering Air Wet Bulb, F <input type="text" value="67"/>	Air Press. Drop, In. WC <input type="text" value=".14"/> Face Velocity, FPM <input type="text" value="291"/> CFM <input type="text" value="400"/>	Leaving Air Dry Bulb, F <input type="text" value="55.6"/>	Total Capacity, BTU/Hr <input type="text" value="14876"/>
		Leaving Air Wet Bulb, F <input type="text" value="54.8"/>	Sensible Cooling Capacity, BTU/Hr <input type="text" value="10660"/>

GPM (U.S.) Glycol, % Entering Water Temp, F Leaving Water Temp, F Water Temp. Change, F

Liq. press. Drop, Ft, H2O

A drawing can be viewed in the Delcoil Program

A photo can be viewed in the Delcoil Program.

