



# Ultrafan-Pak 2000

Non-Overloading Belt Drive  
Arrangement 10



## Your Clean Air Source!

**PEERLESS BLOWERS**

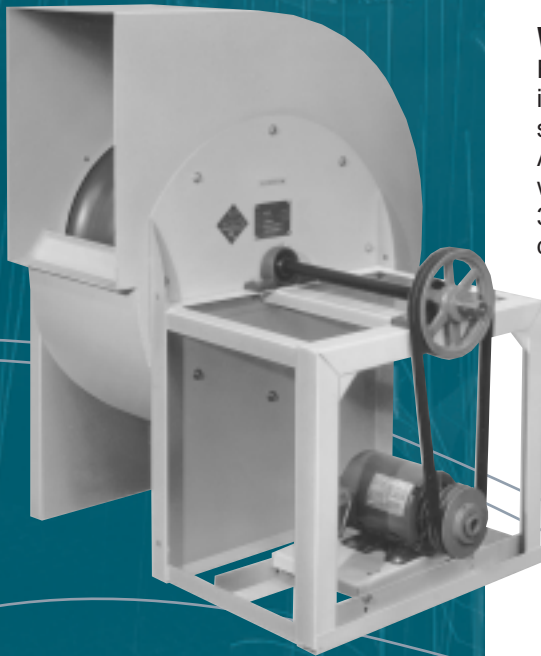
AFFILIATE OF **HBD** INDUSTRIES, INC.

# PEERLESS BLOWERS ULTRAFAN-PAK 2000

## HIGH QUALITY... HIGH EFFICIENCY... VERSATILITY

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Established in 1893, **Peerless Blowers** has a well established record of manufacturing a complete line of heavy-duty industrial fans and blowers, as well as propeller fans for commercial and industrial applications. For over a hundred years, thousands of customers have come to know and depend on the quality-built, reliable and efficient fans and blower products produced by **Peerless Blowers**. Our engineering and design departments are experts assisting customers develop custom-designed air conveying systems that will meet and exceed their critical fan or blower application requirements.

Fans and blower products manufactured by **Peerless Blowers** have and continue to provide exceptional performance, cost-efficient operation and long-term service to customers in numerous OEM,

commercial and industrial markets, including:

- Aviation • Automotive • Chemical
- Clothing • Food • Foundries
- Graphics/Printing • HVAC • Leather
- Maintenance • Manufacturing
- Mining • Paint • Paper/Pulp
- Petroleum • Plastics • Rail • Rubber
- Steel • Textile • And More!

Fans and blowers produced by **Peerless Blowers** have been application engineered and designed to meet and exceed all the requirements of today's air moving needs. Tested/rated to meet AMCA/ASHRAE Codes, our blowers are designed to provide maximum performance, long-term service and cost efficient operation in a wide variety of applications and environments.

***Regardless of your air movement requirements, Peerless Blowers ...IS YOUR CLEAN AIR SOURCE!***

## ULTRAFAN-PAK 2000 BLOWER CONSTRUCTION FEATURES

### Wheels

Flat Blade Wheel — backwardly inclined non-overloading wheels standard on sizes 105 thru 245.  
Airfoil Wheel — backward curved airfoil wheels standard on sizes 270 thru 365. All wheels are statically and dynamically balanced.

### Inlet

Circular stamped ring. Rigid streamlined inlet.

### Frame

All welded steel construction. Easy access to motor for servicing.

### Housing

All are convertible and may be rotated easily to any of eight 45° positions.

### Motor Base

Heavy construction assures sturdy base for motor mounting and features easy adjustment for belt tension.

### Bearings

Self-aligning ball bearing pillow blocks. These bearings are designed to operate under the most severe atmospheric conditions.

### Shaft

Ground and polished solid steel key-wayed on each end.

### Motor

Commercial standard Fan and Blower duty motors are job-matched to each requirement. All types of current characteristics, enclosures and bearing construction are available.

### Adjustable V-Belt Drive

High quality CAST Iron adjustable pitch motor sheaves are standard equipment. V-Belts with ample service factor are also employed. When performance data is specified, the blowers are factory set to exact blower speed to meet job requirements. Constant speed drives are also available.

# MATERIAL SPECIFICATIONS CLASS 1 AND CLASS 2

FAN SIZE	WHEEL DIAMETER	SHAFT DIAMETER		HOUSING GAUGES		NO. OF BLADES	WHEEL GAUGES				FRAME GAUGES	
		CLASS 1	CLASS 2	BAND	FACE		BLADES			DRIVE	INLET	
							BACK PLATE	CLASS 1	CLASS 2			END RING
105	10 1/2	3/4	1	20	16	12	10	12	10	14	16	—
122	12 1/4	1	1 3/16	16	16	12	3/16	12	3/16	14	14	16
135	13 1/2	1	1 3/16	16	14	12	3/16	12	3/16	14	14	16
150	15	1	1 3/16	16	14	12	3/16	12	3/16	14	14	16
165	16 1/2	1	1 3/16	16	14	12	3/16	10	3/16	14	14	16
182	18 1/4	1 3/16	1 7/16	16	14	12	3/16	10	3/16	14	14	14
200	20	1 3/16	1 7/16	14	14	12	3/16	3/16	3/16	14	12	14
222	22 1/4	1 3/16	1 11/16	14	12	12	3/16	3/16	10	14	12	14
245	24 1/2	1 7/16	1 11/16	14	12	12	3/16	3/16	10	14	12	12
270	27	1 7/16	1 11/16	14	12	11	3/16	16	16	14	12	12
300	30	1 11/16	1 15/16	14	12	11	3/16	16	16	14	12	12
330	33	1 11/16	1 15/16	14	12	11	1/4	16	16	14	10	10
365	36 1/2	1 15/16	2 3/16	12	10	11	1/4	16	16	14	10	10

## HEAVY DUTY ANTI-FRICTION BEARINGS

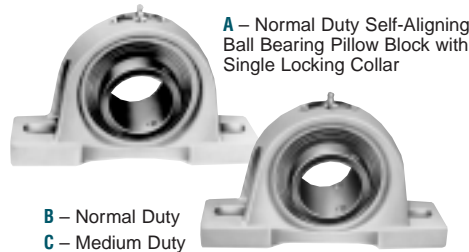
ULTRAFAN-PAK 2000 Blowers are equipped with self-aligning single row ball bearings.

Computerized selections have been made on all bearings based on radial, thrust and combined loads to give 100,000 average life hours (AFMBA L<sub>50</sub>) on standard units at the maximum design of each blower.

Bearings selected have effective seals to retain the lubricant and to prevent against contamination. All have grease fittings for relubrication. Bearings are available for 400,000 Hours (AFMBA L<sub>50</sub>).

The table at right shows the type bearings used for each unit.

Peerless Blowers reserves the right to change bearings of equal ratings.



**A** – Normal Duty Self-Aligning Ball Bearing Pillow Block with Single Locking Collar  
**B** – Normal Duty Self-Aligning Ball Bearing Pillow Block with Double Locking Collars  
**C** – Medium Duty Self-Aligning Ball Bearing Pillow Block with Double Locking Collars

FAN SIZE	STANDARD 100,000 HOURS	SPECIAL 400,000 HOURS
105	A	A
122	A	B
135	A	B
150	A	C
165	A	C
182	A	C
200	A	C
222	A	C
245	A	C
270	A	C
300	A	C
330	A	C
365	A	C

## PEERLESS BLOWERS ULTRAFAN-PAK 2000

### Peerless Blowers are built with these features:

Class 1 performance cataloged to 5" WG static pressure. Class 2 performance cataloged to 8.5" WG static pressure. Air delivery ranges from 509 CFM to 32,172 CFM.

Non-overloading performance — the backwardly inclined blade wheel gives a brake horsepower that levels off at a point to allow economical selection of motors that will not overload if

system pressure drops. The top four sizes have airfoil blades.

Easy installation and maintenance — the self-contained, completely packaged units allow easy access to motor, drive and bearings for ease in installation, lubrication, belt adjustment and wiring.

Rugged construction—heavy gauge all-welded steel construction. Discharge position on all sizes may be rotated to any of eight 45° positions.

### CERTIFIED PERFORMANCE RATINGS

Peerless Blowers certifies that the "ULTRAFAN-PAK 2000" Blowers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 ACCESSORIES

## 1. Weather Cover

Covers entire drive side frame and motor. Eliminates need for penthouse or other protection outdoors. Fastens securely with screws.

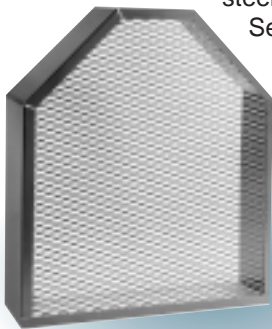


Drive Cover

## 2. Belt Guard

Covers the drives and entire frame end. Constructed of heavy gauge expanded metal mesh with welded steel frame.

Securely fastened with screws to blower frame.



Belt Guard

## 3. Automatic Discharge Shutter

Self-contained in adapter sleeve and securely attached to fan discharge. All materials resistant to weather corrosion. Constructed to prevent backdrafts and entrance of rain and snow.

Discharge screens are not available with shutters.

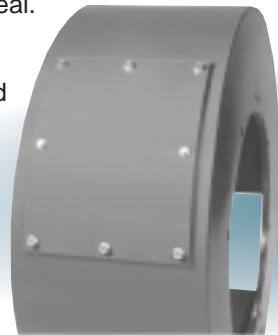


Shutter

## 4. Clean-Out Doors

**Bolted Door**—Removable door for ease of cleaning and inspection. Bolted to housing with hex head bolts and gasketed for tight seal.

**Quick-Opening Door**—Held in Place with pressure latches, hinged at the bottom and gasketed.



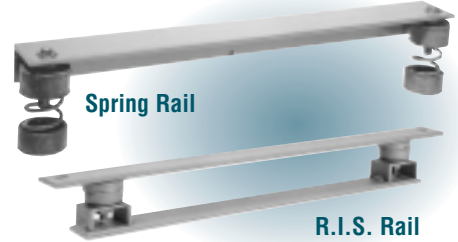
Bolted Door



Quick-Opening Door

## 5. Vibration Rail Bases

Shock mounting rubber-in-shear rails or pads and spring rails or pads are available as stock items.



Spring Rail

R.I.S. Rail

## 6. Other Accessories

All size blowers are available with extra features such as: inlet vanes, drain fittings, inlet or discharge screens, flanged inlets or outlets, and heat slingers. Protective coatings are also available. Also available in spark resistant construction.

## Sample specifications for ULTRAFAN PAK 2000 Backward Inclined Units

- Fan shall be single width, single inlet with backward inclined flat blade wheel on size: 105 through 245.
- Airfoil wheel on size: 270 through 365.
- CW or CCW rotation as specified.
- The fan shall be of welded and bolted, heavy gauge steel construction coated with Peerless Blowers' electrostatically applied baked polyester coating. The housing shall be easily rotated to any of eight standard positions.
- The fan shall have self-aligning ball bearings and the shaft shall be ground and polished solid steel keywayed. The fan shall have a heavy duty, ball bearing motor matched to the fan load and furnished at the specified voltage, phase and enclosure.
- The fan shall have a drive with a cast iron adjustable pitch motor sheave. The belts shall be oil and heat resistant.
- Fan to be arrangement 10, Class I or Class II construction (as required).
- All fans to be manufactured in an ISO 9001 Certified Facility.
- All fans shall bear the AMCA seal for air performance.
- Fan to be model "B" as manufactured by Peerless Blowers (Hot Springs, NC).

# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-105

TIP SPEED (FPM) = 2.749 x RPM

OUTLET { .636 Sq. Ft. Inside  
11 3/4" x 8" Outside

MAX. HP = .0387  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—10 1/2"

INLET { .894 Sq. Ft. Inside  
12 7/8" Dia. Outside

MAX. RPM  
CL.1 3623  
CL.2 4724

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
509	800	965	0.03	<b>1177</b>	<b>0.06</b>	<b>1369</b>	<b>0.09</b>	1545	0.13	1709	0.16	—	—	—	—	—	—	—	—	—	—
572	900	1034	0.04	1227	0.07	<b>1407</b>	<b>0.10</b>	<b>1574</b>	<b>0.14</b>	1729	0.18	1876	0.22	—	—	—	—	—	—	—	—
636	1000	1106	0.05	1283	0.08	<b>1451</b>	<b>0.11</b>	<b>1609</b>	<b>0.15</b>	<b>1757</b>	<b>0.19</b>	1898	0.23	2159	0.33	—	—	—	—	—	—
700	1100	1183	0.06	1345	0.09	1502	0.13	<b>1651</b>	<b>0.17</b>	<b>1792</b>	<b>0.21</b>	<b>1926</b>	<b>0.25</b>	2178	0.35	2412	0.46	—	—	—	—
763	1200	1261	0.07	1411	0.11	1557	0.14	1698	0.18	<b>1832</b>	<b>0.23</b>	<b>1961</b>	<b>0.27</b>	<b>2204</b>	<b>0.37</b>	2429	0.48	2641	0.60	—	—
827	1300	1342	0.09	1481	0.12	1618	0.16	1750	0.20	<b>1878</b>	<b>0.25</b>	<b>2001</b>	<b>0.29</b>	<b>2234</b>	<b>0.40</b>	2452	0.51	2658	0.62	2853	0.75
890	1400	1425	0.10	1554	0.14	1682	0.18	1807	0.23	1928	0.27	<b>2046</b>	<b>0.32</b>	<b>2270</b>	<b>0.42</b>	2481	0.54	2680	0.66	2870	0.79
954	1500	1509	0.12	1629	0.16	1749	0.20	1867	0.25	1982	0.30	2095	0.35	<b>2310</b>	<b>0.45</b>	<b>2514</b>	<b>0.57</b>	2707	0.69	2892	0.82
1018	1600	1594	0.14	1707	0.18	1820	0.23	1931	0.28	2040	0.33	2148	0.38	<b>2354</b>	<b>0.49</b>	<b>2551</b>	<b>0.60</b>	<b>2739</b>	<b>0.73</b>	2919	0.86
1081	1700	1681	0.17	1786	0.21	1892	0.25	1998	0.30	2102	0.36	2204	0.41	2403	0.52	<b>2593</b>	<b>0.64</b>	<b>2774</b>	<b>0.77</b>	<b>2949</b>	<b>0.91</b>
1145	1800	1768	0.19	1867	0.23	1967	0.28	2067	0.34	2166	0.39	2264	0.45	2454	0.56	<b>2637</b>	<b>0.68</b>	<b>2814</b>	<b>0.82</b>	<b>2983</b>	<b>0.95</b>
1208	1900	1856	0.22	1949	0.27	2044	0.32	2139	0.37	2233	0.43	2326	0.48	2509	0.60	2686	0.73	<b>2857</b>	<b>0.86</b>	<b>3021</b>	<b>1.00</b>
1272	2000	1945	0.25	2032	0.30	2122	0.35	2213	0.41	2302	0.46	2391	0.52	2567	0.65	2737	0.78	<b>2903</b>	<b>0.91</b>	<b>3063</b>	<b>1.06</b>
1336	2100	2033	0.29	2116	0.34	2202	0.39	2288	0.45	2374	0.51	2459	0.57	2627	0.70	2792	0.83	2952	0.97	<b>3107</b>	<b>1.12</b>
1399	2200	2121	0.33	2201	0.38	2283	0.43	2365	0.49	2447	0.55	2529	0.61	2690	0.75	2849	0.89	3003	1.03	3154	1.18
1463	2300	2210	0.37	2287	0.42	2365	0.47	2443	0.53	2522	0.60	2600	0.66	2755	0.80	2908	0.94	3058	1.09	3204	1.24
1526	2400	2298	0.41	2373	0.47	2447	0.52	2523	0.58	2598	0.65	2673	0.72	2822	0.86	2970	1.01	3115	1.16	3257	1.31
1654	2600	2475	0.51	2548	0.57	2615	0.63	2685	0.70	2754	0.76	2824	0.82	2962	0.98	3099	1.14	3235	1.30	3369	1.46
1781	2800	2655	0.63	2725	0.70	2786	0.76	2850	0.82	2915	0.90	2979	0.97	3108	1.13	3236	1.29	3363	1.46	3489	1.63
1908	3000	2841	0.77	2902	0.84	2960	0.90	3018	0.97	3078	1.05	3138	1.12	3259	1.28	3379	1.46	3498	1.63	3617	1.81
2035	3200	3027	0.93	3078	0.99	3135	1.07	3189	1.14	3244	1.21	3301	1.29	3414	1.46	3527	1.64	3639	1.82	3751	2.01
2162	3400	3200	1.09	3255	1.17	3311	1.25	3362	1.32	3413	1.40	3466	1.49	3573	1.66	3679	1.84	3785	2.04	3890	2.23

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1208	1900	<b>3181</b>	<b>1.15</b>	<b>3335</b>	<b>1.31</b>	3485	1.47	3630	1.63	3772	1.81	3910	1.98	4045	2.17	4176	2.36	—	—	—	—
1272	2000	<b>3218</b>	<b>1.21</b>	<b>3368</b>	<b>1.36</b>	<b>3515</b>	<b>1.53</b>	3657	1.70	3796	1.87	3931	2.05	4063	2.24	4192	2.43	4319	2.63	4443	2.83
1336	2100	<b>3258</b>	<b>1.27</b>	<b>3405</b>	<b>1.43</b>	<b>3548</b>	<b>1.59</b>	<b>3687</b>	<b>1.76</b>	3823	1.94	3955	2.12	4085	2.31	4212	2.50	4336	2.70	4458	2.91
1399	2200	<b>3301</b>	<b>1.33</b>	<b>3444</b>	<b>1.50</b>	<b>3584</b>	<b>1.66</b>	<b>3720</b>	<b>1.84</b>	<b>3853</b>	<b>2.01</b>	3983	2.20	4110	2.39	4235	2.58	4357	2.78	4477	2.99
1463	2300	<b>3347</b>	<b>1.40</b>	<b>3487</b>	<b>1.57</b>	<b>3623</b>	<b>1.74</b>	<b>3756</b>	<b>1.91</b>	<b>3886</b>	<b>2.09</b>	<b>4013</b>	<b>2.28</b>	4138	2.47	4261	2.67	4380	2.87	4498	3.08
1526	2400	3396	1.47	<b>3532</b>	<b>1.64</b>	<b>3665</b>	<b>1.81</b>	<b>3795</b>	<b>1.99</b>	<b>3922</b>	<b>2.18</b>	<b>4047</b>	<b>2.37</b>	<b>4169</b>	<b>2.56</b>	4289	2.76	4407	2.96	4523	3.17
1654	2600	3500	1.63	3629	1.81	<b>3756</b>	<b>1.98</b>	<b>3880</b>	<b>2.17</b>	<b>4002</b>	<b>2.36</b>	<b>4122</b>	<b>2.55</b>	<b>4239</b>	<b>2.75</b>	<b>4355</b>	<b>2.96</b>	<b>4468</b>	<b>3.16</b>	4580	3.38
1781	2800	3613	1.81	3736	1.99	3856	2.17	3975	2.36	<b>4091</b>	<b>2.56</b>	<b>4206</b>	<b>2.76</b>	<b>4319</b>	<b>2.96</b>	<b>4430</b>	<b>3.17</b>	<b>4540</b>	<b>3.39</b>	<b>4647</b>	<b>3.60</b>
1908	3000	3734	2.00	3850	2.19	3965	2.38	4078	2.58	4189	2.78	4299	2.98	<b>4408</b>	<b>3.19</b>	<b>4515</b>	<b>3.41</b>	<b>4620</b>	<b>3.63</b>	<b>4724</b>	<b>3.85</b>
2035	3200	3862	2.21	3972	2.41	4081	2.61	4189	2.81	4295	3.02	4401	3.23	4505	3.45	4607	3.67	<b>4709</b>	<b>3.89</b>	—	—
2162	3400	3995	2.44	4100	2.64	4204	2.85	4306	3.06	4408	3.28	4509	3.50	4609	3.72	4708	3.95	—	—	—	—
2290	3600	4134	2.68	4234	2.90	4332	3.12	4430	3.34	4528	3.56	4624	3.79	4720	4.02	—	—	—	—	—	—
2417	3800	4278	2.95	4372	3.18	4466	3.40	4560	3.63	4653	3.87	—	—	—	—	—	—	—	—	—	—
2544	4000	4425	3.24	4515	3.48	4605	3.71	4694	3.95	—	—	—	—	—	—	—	—	—	—	—	—
2671	4200	4576	3.56	4662	3.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

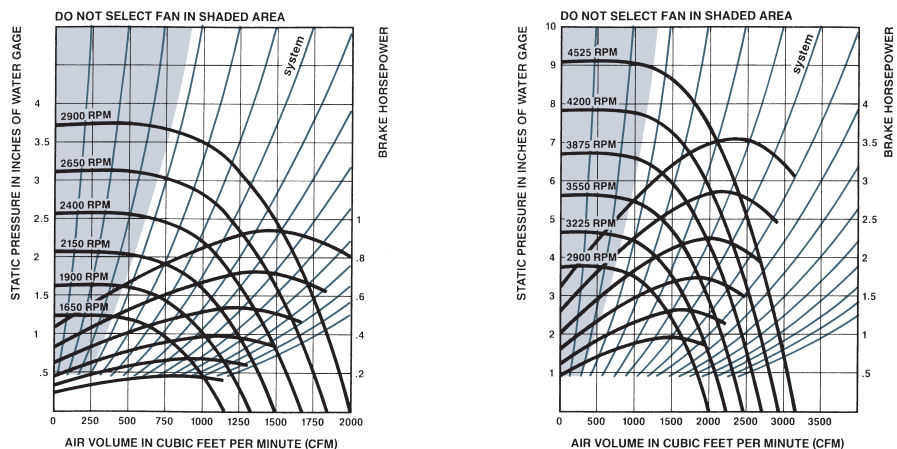
Performance certified is for installation type B—free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers



# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-122

TIP SPEED (FPM) = 3.207 x RPM

OUTLET { .858 Sq. Ft. Inside  
13 1/4" x 9 5/8" Outside

MAX. HP = .1009  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—12 1/4"

INLET { .921 Sq. Ft. Inside  
13 1/4" Dia. Outside

MAX. RPM  
CL.1 2978  
CL.2 3883

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
686	800	756	0.04	<b>955</b>	<b>0.08</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
772	900	804	0.05	<b>981</b>	<b>0.09</b>	<b>1155</b>	<b>0.13</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
858	1000	856	0.06	1015	0.10	<b>1174</b>	<b>0.15</b>	1328	0.10	—	—	—	—	—	—	—	—	—	—	—	—
944	1100	911	0.08	1056	0.12	<b>1201</b>	<b>0.16</b>	<b>1344</b>	<b>0.22</b>	1482	0.28	—	—	—	—	—	—	—	—	—	—
1030	1200	968	0.09	1101	0.13	1234	0.18	<b>1367</b>	<b>0.24</b>	<b>1497</b>	<b>0.30</b>	1623	0.36	—	—	—	—	—	—	—	—
1115	1300	1025	0.11	1151	0.15	1273	0.20	<b>1396</b>	<b>0.26</b>	<b>1518</b>	<b>0.32</b>	<b>1638</b>	<b>0.39</b>	—	—	—	—	—	—	—	—
1201	1400	1084	0.13	1203	0.18	1317	0.23	1431	0.28	<b>1545</b>	<b>0.34</b>	<b>1657</b>	<b>0.41</b>	1876	0.56	—	—	—	—	—	—
1287	1500	1143	0.15	1258	0.20	1364	0.25	1470	0.31	<b>1576</b>	<b>0.37</b>	<b>1683</b>	<b>0.44</b>	<b>1891</b>	<b>0.59</b>	2090	0.76	—	—	—	—
1373	1600	1204	0.17	1313	0.23	1414	0.28	1513	0.34	1613	0.41	<b>1713</b>	<b>0.48</b>	<b>1910</b>	<b>0.63</b>	2102	0.80	—	—	—	—
1459	1700	1266	0.20	1370	0.26	1466	0.32	1559	0.38	1653	0.44	1747	0.51	<b>1934</b>	<b>0.67</b>	<b>2118</b>	<b>0.84</b>	2296	1.03	—	—
1544	1800	1328	0.23	1428	0.29	1520	0.35	1608	0.42	1696	0.48	1785	0.55	<b>1963</b>	<b>0.71</b>	<b>2138</b>	<b>0.89</b>	2310	1.07	2476	1.28
1630	1900	1392	0.26	1486	0.32	1575	0.39	1660	0.46	1743	0.53	1827	0.60	<b>1995</b>	<b>0.76</b>	<b>2162</b>	<b>0.93</b>	<b>2327</b>	<b>1.13</b>	2488	1.33
1716	2000	1456	0.30	1545	0.36	1631	0.43	1713	0.50	1792	0.58	1871	0.65	2031	0.81	<b>2190</b>	<b>0.99</b>	<b>2349</b>	<b>1.18</b>	<b>2504</b>	<b>1.39</b>
1802	2100	1520	0.34	1604	0.40	1688	0.48	1767	0.55	1843	0.63	1918	0.70	2070	0.87	<b>2222</b>	<b>1.04</b>	<b>2374</b>	<b>1.24</b>	<b>2523</b>	<b>1.45</b>
1888	2200	1583	0.38	1664	0.45	1746	0.53	1822	0.61	1895	0.68	1967	0.76	2112	0.93	2257	1.11	<b>2402</b>	<b>1.30</b>	<b>2546</b>	<b>1.51</b>
1973	2300	1647	0.43	1725	0.50	1804	0.58	1879	0.66	1949	0.74	2018	0.83	2156	0.99	2295	1.18	2434	1.37	<b>2573</b>	<b>1.58</b>
2059	2400	1711	0.48	1787	0.55	1863	0.64	1935	0.72	2004	0.81	2071	0.89	2203	1.07	2336	1.25	2469	1.45	2602	1.66
2231	2600	1839	0.59	1913	0.67	1982	0.76	2051	0.85	2116	0.95	2179	1.04	2302	1.22	2424	1.41	2546	1.62	2669	1.83
2402	2800	1970	0.72	2040	0.82	2103	0.90	2168	1.00	2231	1.10	2291	1.20	2407	1.40	2520	1.60	2633	1.81	2747	2.03
2574	3000	2104	0.88	2168	0.98	2227	1.07	2287	1.17	2347	1.28	2405	1.38	2515	1.60	2622	1.81	2727	2.03	2833	2.25
2746	3200	2238	1.06	2296	1.15	2353	1.25	2408	1.36	2465	1.47	2521	1.58	2627	1.81	2728	2.04	2827	2.27	2926	2.50
2917	3400	2369	1.25	2423	1.35	2480	1.47	2531	1.57	2584	1.69	2638	1.81	2740	2.05	2838	2.29	2932	2.53	3025	2.77

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1802	2100	<b>2670</b>	<b>1.67</b>	2814	1.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1888	2200	<b>2688</b>	<b>1.74</b>	<b>2828</b>	<b>1.97</b>	2965	2.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973	2300	<b>2710</b>	<b>1.81</b>	<b>2845</b>	<b>2.05</b>	<b>2978</b>	<b>2.29</b>	3108	2.55	—	—	—	—	—	—	—	—	—	—	—	—
2059	2400	<b>2734</b>	<b>1.89</b>	<b>2865</b>	<b>2.13</b>	<b>2995</b>	<b>2.38</b>	<b>3122</b>	<b>2.63</b>	3246	2.90	—	—	—	—	—	—	—	—	—	—
2231	2600	<b>2792</b>	<b>2.06</b>	<b>2915</b>	<b>2.30</b>	<b>3036</b>	<b>2.56</b>	<b>3157</b>	<b>2.82</b>	<b>3275</b>	<b>3.09</b>	<b>3392</b>	<b>3.37</b>	3507	3.67	3621	3.97	—	—	—	—
2402	2800	2861	2.26	<b>2976</b>	<b>2.50</b>	<b>3089</b>	<b>2.76</b>	<b>3203</b>	<b>3.03</b>	<b>3315</b>	<b>3.31</b>	<b>3426</b>	<b>3.59</b>	<b>3536</b>	<b>3.89</b>	<b>3645</b>	<b>4.19</b>	3752	4.50	3858	4.82
2574	3000	2939	2.48	3046	2.73	<b>3153</b>	<b>2.99</b>	<b>3259</b>	<b>3.26</b>	<b>3365</b>	<b>3.54</b>	<b>3471</b>	<b>3.83</b>	<b>3575</b>	<b>4.13</b>	<b>3679</b>	<b>4.44</b>	<b>3782</b>	<b>4.76</b>	<b>3883</b>	<b>5.08</b>
2746	3200	3026	2.74	3125	2.99	3225	3.25	3325	3.52	<b>3425</b>	<b>3.81</b>	<b>3525</b>	<b>4.10</b>	<b>3624</b>	<b>4.40</b>	<b>3723</b>	<b>4.72</b>	<b>3820</b>	<b>5.04</b>	—	—
2917	3400	3118	3.02	3212	3.28	3305	3.54	3399	3.82	3494	4.10	<b>3588</b>	<b>4.40</b>	<b>3682</b>	<b>4.71</b>	<b>3775</b>	<b>5.02</b>	<b>3869</b>	<b>5.35</b>	—	—
3089	3600	3216	3.33	3304	3.60	3393	3.87	3481	4.14	3570	4.43	3659	4.73	3748	5.04	<b>3837</b>	<b>5.36</b>	—	—	—	—
3260	3800	3319	3.67	3402	3.94	3486	4.22	3569	4.51	3653	4.80	3737	5.10	3821	5.41	—	—	—	—	—	—
3432	4000	3425	4.04	3504	4.32	3584	4.61	3663	4.90	3742	5.20	3822	5.50	—	—	—	—	—	—	—	—
3604	4200	3534	4.43	3610	4.73	3686	5.03	3761	5.33	3836	5.63	—	—	—	—	—	—	—	—	—	—
3775	4400	3645	4.85	3718	5.16	3791	5.47	3863	5.79	—	—	—	—	—	—	—	—	—	—	—	—
3947	4600	3757	5.30	3828	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4118	4800	3871	5.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

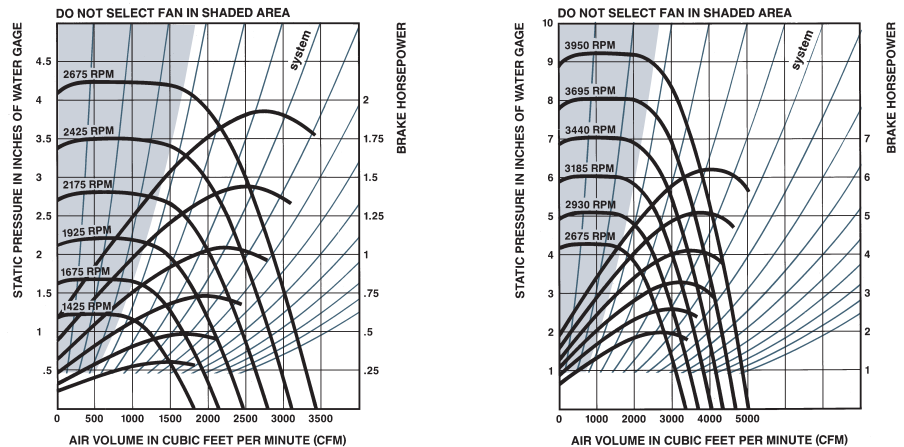
Performance certified is for installation type B—free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in bold face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers



# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-135

TIP SPEED (FPM) = 3.534 x RPM

OUTLET { 1.049 Sq. Ft. Inside  
14<sup>5</sup>/<sub>8</sub>" x 10<sup>3</sup>/<sub>4</sub>" Outside

MAX. HP = .1567  $\left(\frac{RPM}{1000}\right)^3$

WHEEL DIAMETER—13<sup>1</sup>/<sub>2</sub>"

INLET { 1.108 Sq. Ft. Inside  
14<sup>1</sup>/<sub>2</sub>" Dia. Outside

MAX. RPM  
CL.1 2702  
CL.2 3524

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
839	800	686	0.05	<b>867</b>	<b>0.10</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
944	900	730	0.06	<b>890</b>	<b>0.11</b>	<b>1048</b>	<b>0.16</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1049	1000	777	0.08	921	0.12	<b>1066</b>	<b>0.18</b>	1205	0.24	—	—	—	—	—	—	—	—	—	—	—	—
1154	1100	827	0.09	958	0.14	<b>1090</b>	<b>0.20</b>	<b>1220</b>	<b>0.26</b>	1345	0.34	—	—	—	—	—	—	—	—	—	—
1259	1200	878	0.11	999	0.16	1120	0.22	<b>1241</b>	<b>0.29</b>	<b>1359</b>	<b>0.36</b>	1473	0.44	—	—	—	—	—	—	—	—
1364	1300	930	0.13	1044	0.19	1155	0.25	<b>1267</b>	<b>0.31</b>	<b>1378</b>	<b>0.39</b>	<b>1486</b>	<b>0.47</b>	—	—	—	—	—	—	—	—
1469	1400	984	0.15	1092	0.21	1195	0.27	1298	0.34	<b>1402</b>	<b>0.42</b>	<b>1504</b>	<b>0.50</b>	1702	0.68	—	—	—	—	—	—
1574	1500	1037	0.18	1141	0.24	1237	0.31	1334	0.38	<b>1430</b>	<b>0.45</b>	<b>1527</b>	<b>0.54</b>	<b>1716</b>	<b>0.72</b>	1897	0.93	—	—	—	—
1678	1600	1092	0.21	1192	0.28	1283	0.34	1373	0.42	1463	0.49	<b>1554</b>	<b>0.58</b>	<b>1733</b>	<b>0.77</b>	1907	0.97	—	—	—	—
1783	1700	1148	0.24	1243	0.31	1330	0.38	1415	0.46	1500	0.54	1585	0.62	<b>1755</b>	<b>0.81</b>	<b>1922</b>	<b>1.02</b>	2083	1.25	—	—
1888	1800	1205	0.27	1296	0.35	1379	0.43	1459	0.51	1539	0.59	1620	0.67	<b>1781</b>	<b>0.86</b>	<b>1940</b>	<b>1.08</b>	<b>2096</b>	<b>1.30</b>	2247	1.55
1993	1900	1263	0.31	1348	0.39	1429	0.48	1506	0.56	1581	0.64	1657	0.73	<b>1810</b>	<b>0.92</b>	<b>1962</b>	<b>1.13</b>	<b>2112</b>	<b>1.37</b>	<b>2258</b>	<b>1.61</b>
2098	2000	1321	0.36	1402	0.44	1480	0.53	1554	0.61	1626	0.70	1698	0.79	1843	0.98	<b>1988</b>	<b>1.20</b>	<b>2131</b>	<b>1.43</b>	<b>2272</b>	<b>1.68</b>
2203	2100	1379	0.41	1456	0.49	1532	0.58	1603	0.67	1672	0.76	1741	0.86	1878	1.05	<b>2016</b>	<b>1.27</b>	<b>2154</b>	<b>1.50</b>	<b>2290</b>	<b>1.76</b>
2308	2200	1437	0.46	1510	0.55	1584	0.64	1654	0.74	1720	0.83	1785	0.93	1916	1.13	2048	1.34	<b>2180</b>	<b>1.58</b>	<b>2311</b>	<b>1.84</b>
2413	2300	1495	0.52	1566	0.61	1637	0.70	1705	0.80	1769	0.90	1832	1.00	1957	1.21	2082	1.43	<b>2209</b>	<b>1.67</b>	<b>2334</b>	<b>1.92</b>
2518	2400	1552	0.58	1622	0.67	1690	0.77	1756	0.88	1819	0.98	1879	1.08	1999	1.29	2119	1.52	2240	1.76	<b>2361</b>	<b>2.02</b>
2727	2600	1668	0.72	1736	0.82	1798	0.92	1861	1.04	1920	1.15	1978	1.26	2089	1.49	2199	1.72	2311	1.96	2422	2.22
2937	2800	1787	0.88	1851	0.99	1908	1.10	1967	1.22	2024	1.34	2079	1.46	2184	1.70	2287	1.94	2389	2.20	2493	2.46
3147	3000	1909	1.07	1967	1.18	2020	1.30	2075	1.42	2130	1.55	2182	1.68	2282	1.94	2379	2.20	2475	2.46	2571	2.73
3357	3200	2030	1.28	2083	1.40	2135	1.52	2185	1.65	2236	1.79	2287	1.92	2384	2.20	2475	2.48	2566	2.75	2655	3.04
3567	3400	2150	1.52	2199	1.64	2250	1.78	2297	1.91	2345	2.05	2393	2.19	2487	2.49	2575	2.78	2660	3.08	2745	3.37

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2203	2100	<b>2423</b>	<b>2.03</b>	2553	2.31	2681	2.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2308	2200	<b>2440</b>	<b>2.11</b>	<b>2566</b>	<b>2.39</b>	2690	2.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2413	2300	<b>2459</b>	<b>2.20</b>	<b>2582</b>	<b>2.48</b>	<b>2702</b>	<b>2.78</b>	2821	3.10	2936	3.42	—	—	—	—	—	—	—	—	—	—
2518	2400	<b>2481</b>	<b>2.29</b>	<b>2600</b>	<b>2.58</b>	<b>2717</b>	<b>2.88</b>	<b>2833</b>	<b>3.20</b>	2946	3.53	3057	3.86	—	—	—	—	—	—	—	—
2727	2600	<b>2534</b>	<b>2.50</b>	<b>2645</b>	<b>2.80</b>	<b>2755</b>	<b>3.10</b>	<b>2864</b>	<b>3.42</b>	<b>2972</b>	<b>3.76</b>	<b>3078</b>	<b>4.10</b>	3183	4.45	3285	4.82	—	—	—	—
2937	2800	2596	2.74	<b>2700</b>	<b>3.04</b>	<b>2803</b>	<b>3.35</b>	<b>2906</b>	<b>3.68</b>	<b>3008</b>	<b>4.01</b>	<b>3109</b>	<b>4.36</b>	<b>3209</b>	<b>4.72</b>	<b>3307</b>	<b>5.09</b>	3405	5.47	3501	5.86
3147	3000	2667	3.02	2764	3.32	<b>2861</b>	<b>3.63</b>	<b>2957</b>	<b>3.96</b>	<b>3054</b>	<b>4.30</b>	<b>3149</b>	<b>4.66</b>	<b>3244</b>	<b>5.02</b>	<b>3338</b>	<b>5.39</b>	<b>3431</b>	<b>5.78</b>	<b>3524</b>	<b>6.17</b>
3357	3200	2745	3.33	2836	3.63	2927	3.95	3017	4.28	<b>3108</b>	<b>4.62</b>	<b>3198</b>	<b>4.98</b>	<b>3288</b>	<b>5.35</b>	<b>3378</b>	<b>5.73</b>	<b>3467</b>	<b>6.12</b>	—	—
3567	3400	2830	3.67	2914	3.98	2999	4.30	3085	4.64	3170	4.98	<b>3256</b>	<b>5.34</b>	<b>3341</b>	<b>5.71</b>	<b>3426</b>	<b>6.10</b>	<b>3510</b>	<b>6.49</b>	—	—
3776	3600	2919	4.05	2998	4.37	3079	4.70	3159	5.03	3239	5.38	3320	5.75	3401	6.12	<b>3481</b>	<b>6.51</b>	—	—	—	—
3986	3800	3012	4.46	3087	4.79	3163	5.13	3239	5.47	3315	5.83	3391	6.19	3467	6.57	—	—	—	—	—	—
4196	4000	3108	4.90	3180	5.25	3252	5.60	3324	5.95	3396	6.31	3468	6.69	—	—	—	—	—	—	—	—
4406	4200	3207	5.38	3276	5.74	3344	6.10	3413	6.47	3481	6.84	—	—	—	—	—	—	—	—	—	—
4616	4400	3307	5.89	3374	6.27	3440	6.65	3505	7.03	—	—	—	—	—	—	—	—	—	—	—	—
4825	4600	3409	6.44	3474	6.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5035	4800	3512	7.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

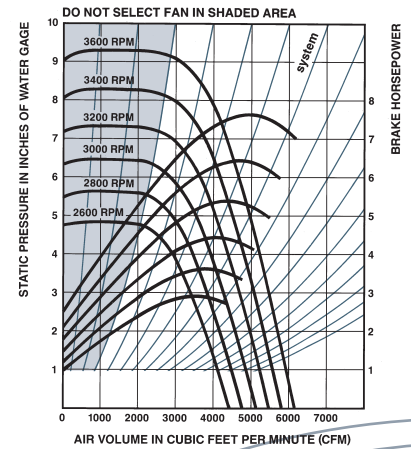
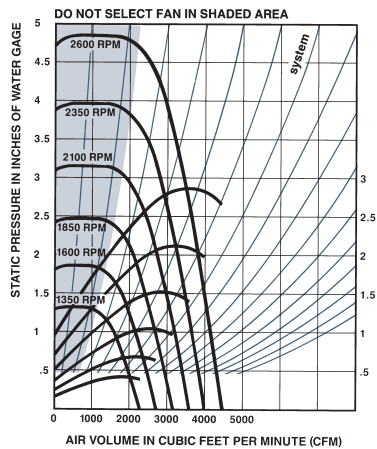
Performance certified is for installation type B – free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-150

TIP SPEED (FPM) = 3.927 x RPM

OUTLET { 1.280 Sq. Ft. Inside  
16 1/4" x 11 3/4" Outside

MAX. HP = .2575  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—15"

INLET { 1.374 Sq. Ft. Inside  
16 1/8" Dia. Outside

MAX. RPM  
CL.1 2458  
CL.2 3205

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1024	800	631	0.06	<b>791</b>	<b>0.11</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1152	900	670	0.08	<b>816</b>	<b>0.13</b>	954	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1280	1000	712	0.09	846	0.15	<b>973</b>	<b>0.21</b>	1095	0.30	—	—	—	—	—	—	—	—	—	—	—	—
1408	1100	757	0.11	880	0.17	<b>998</b>	<b>0.24</b>	<b>1112</b>	<b>0.32</b>	1222	0.42	—	—	—	—	—	—	—	—	—	—
1536	1200	803	0.13	918	0.20	1028	0.27	<b>1135</b>	<b>0.34</b>	<b>1238</b>	<b>0.43</b>	1338	0.55	—	—	—	—	—	—	—	—
1664	1300	850	0.15	959	0.22	1061	0.30	<b>1161</b>	<b>0.38</b>	<b>1259</b>	<b>0.46</b>	<b>1353</b>	<b>0.57</b>	—	—	—	—	—	—	—	—
1792	1400	898	0.18	1001	0.25	1098	0.34	1192	0.42	<b>1283</b>	<b>0.51</b>	<b>1373</b>	<b>0.60</b>	1546	0.85	—	—	—	—	—	—
1920	1500	947	0.20	1045	0.29	1136	0.37	1225	0.46	1312	0.55	<b>1397</b>	<b>0.65</b>	<b>1562</b>	<b>0.87</b>	—	—	—	—	—	—
2048	1600	997	0.23	1091	0.33	1177	0.41	1261	0.51	1343	0.61	<b>1424</b>	<b>0.70</b>	<b>1582</b>	<b>0.91</b>	1734	1.20	—	—	—	—
2176	1700	1047	0.27	1137	0.37	1220	0.46	1300	0.56	1378	0.66	1455	0.76	<b>1605</b>	<b>0.97</b>	<b>1751</b>	<b>1.23</b>	1892	1.56	—	—
2304	1800	1099	0.31	1184	0.41	1264	0.51	1340	0.61	1414	0.72	1487	0.83	<b>1631</b>	<b>1.05</b>	<b>1771</b>	<b>1.29</b>	1907	1.59	—	—
2432	1900	1151	0.35	1232	0.46	1309	0.57	1382	0.67	1453	0.78	1523	0.90	1660	1.13	<b>1795</b>	<b>1.36</b>	<b>1925</b>	<b>1.64</b>	2053	1.98
2560	2000	1203	0.39	1280	0.51	1355	0.63	1425	0.73	1493	0.84	1560	0.96	1692	1.21	<b>1821</b>	<b>1.45</b>	<b>1947</b>	<b>1.71</b>	2070	2.03
2688	2100	1256	0.44	1329	0.57	1401	0.69	1469	0.80	1534	0.92	1599	1.04	1725	1.30	1849	1.55	<b>1971</b>	<b>1.81</b>	<b>2089</b>	<b>2.10</b>
2816	2200	1309	0.49	1378	0.62	1448	0.76	1514	0.88	1577	0.99	1639	1.12	1760	1.38	1880	1.65	<b>1997</b>	<b>1.92</b>	<b>2112</b>	<b>2.20</b>
2944	2300	1362	0.55	1428	0.69	1496	0.83	1560	0.95	1621	1.08	1681	1.20	1797	1.48	1912	1.76	2025	2.03	<b>2136</b>	<b>2.32</b>
3072	2400	1415	0.61	1479	0.76	1544	0.90	1606	1.04	1666	1.17	1723	1.30	1836	1.57	1947	1.87	2056	2.16	<b>2163</b>	<b>2.45</b>
3328	2600	1521	0.75	1582	0.91	1641	1.06	1701	1.22	1757	1.36	1812	1.50	1917	1.79	2021	2.10	2122	2.42	2223	2.73
3584	2800	1629	0.91	1687	1.08	1741	1.25	1797	1.42	1851	1.58	1903	1.73	2003	2.03	2100	2.35	2195	2.69	2290	3.03
3840	3000	1740	1.10	1792	1.28	1842	1.45	1894	1.64	1946	1.82	1996	1.99	2091	2.31	2183	2.64	2273	2.98	2362	3.35
4096	3200	1850	1.31	1898	1.50	1946	1.68	1994	1.88	2042	2.07	2090	2.26	2182	2.62	2269	2.96	2355	3.31	2439	3.69
4352	3400	1953	1.52	2004	1.74	2050	1.94	2095	2.14	2140	2.35	2186	2.56	2274	2.95	2358	3.31	2440	3.68	2520	4.06

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2688	2100	2206	2.46	2320	2.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2816	2200	<b>2225</b>	<b>2.53</b>	2335	2.91	2443	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2944	2300	<b>2246</b>	<b>2.63</b>	<b>2353</b>	<b>2.99</b>	2458	3.40	2562	3.86	—	—	—	—	—	—	—	—	—	—	—	—
3072	2400	<b>2269</b>	<b>2.75</b>	<b>2373</b>	<b>3.09</b>	<b>2476</b>	<b>3.48</b>	2576	3.92	2675	4.40	—	—	—	—	—	—	—	—	—	—
3328	2600	2322	3.04	<b>2420</b>	<b>3.36</b>	<b>2517</b>	<b>3.71</b>	<b>2613</b>	<b>4.10</b>	<b>2707</b>	<b>4.54</b>	2799	5.03	2890	5.55	—	—	—	—	—	—
3584	2800	2383	3.37	2476	3.71	<b>2567</b>	<b>4.05</b>	<b>2657</b>	<b>4.40</b>	<b>2747</b>	<b>4.80</b>	<b>2835</b>	<b>5.23</b>	<b>2922</b>	<b>5.71</b>	3008	6.23	3093	6.80	—	—
3840	3000	2450	3.72	2537	4.08	2624	4.44	<b>2710</b>	<b>4.80</b>	<b>2794</b>	<b>5.17</b>	<b>2878</b>	<b>5.57</b>	<b>2961</b>	<b>6.00</b>	<b>3044</b>	<b>6.47</b>	<b>3125</b>	<b>6.99</b>	3205	7.54
4096	3200	2522	4.08	2605	4.47	2687	4.86	2768	5.24	<b>2849</b>	<b>5.63</b>	<b>2929</b>	<b>6.02</b>	<b>3008</b>	<b>6.42</b>	<b>3087</b>	<b>6.85</b>	<b>3164</b>	<b>7.32</b>	—	—
4352	3400	2599	4.46	2677	4.88	2755	5.29	2833	5.71	2909	6.12	2985	6.53	<b>3061</b>	<b>6.93</b>	<b>3136</b>	<b>7.35</b>	—	—	—	—
4608	3600	2680	4.89	2754	5.31	2828	5.75	2902	6.19	2975	6.63	3048	7.07	3120	7.50	<b>3192</b>	<b>7.93</b>	—	—	—	—
4864	3800	2763	5.35	2835	5.78	2905	6.23	2975	6.70	3045	7.16	3115	7.63	3184	8.09	—	—	—	—	—	—
5120	4000	2850	5.86	2918	6.30	2986	6.76	3053	7.23	3120	7.72	3186	8.21	—	—	—	—	—	—	—	—
5376	4200	2938	6.41	3004	6.86	3069	7.33	3133	7.81	3197	8.31	—	—	—	—	—	—	—	—	—	—
5632	4400	3028	7.00	3092	7.47	3155	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5888	4600	3120	7.64	3182	8.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

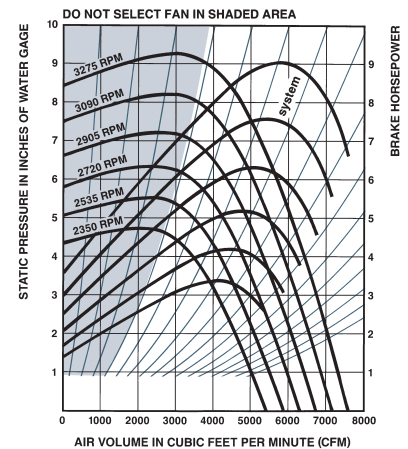
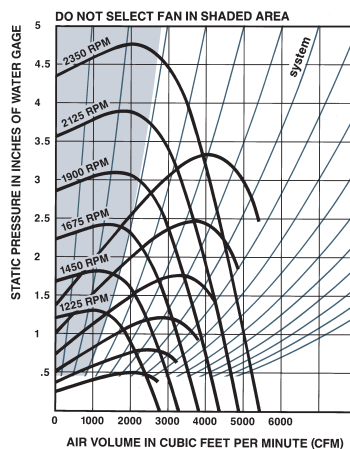
Performance certified is for installation type B—free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-165

TIP SPEED (FPM) = 4.320 x RPM

OUTLET { 1.560 Sq. Ft. Inside  
17<sup>3</sup>/<sub>4</sub>" x 13" Outside

MAX. HP = .4142  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER — 16<sup>1</sup>/<sub>2</sub>"

INLET { 1.67 Sq. Ft. Inside  
17<sup>7</sup>/<sub>8</sub>" Dia. Outside

MAX. RPM  
CL.1 2235  
CL.2 2914

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800	573	0.08	<b>719</b>	<b>0.14</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1404	900	609	0.09	<b>742</b>	<b>0.16</b>	867	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1560	1000	648	0.11	769	0.18	<b>885</b>	<b>0.26</b>	995	0.36	—	—	—	—	—	—	—	—	—	—	—	—
1716	1100	688	0.13	800	0.21	<b>908</b>	<b>0.29</b>	<b>1011</b>	<b>0.38</b>	1111	0.51	—	—	—	—	—	—	—	—	—	—
1872	1200	730	0.16	835	0.24	934	0.33	<b>1031</b>	<b>0.42</b>	<b>1125</b>	<b>0.53</b>	1216	0.67	—	—	—	—	—	—	—	—
2028	1300	773	0.18	871	0.27	965	0.37	<b>1056</b>	<b>0.46</b>	<b>1144</b>	<b>0.56</b>	<b>1230</b>	<b>0.69</b>	—	—	—	—	—	—	—	—
2184	1400	817	0.21	910	0.31	998	0.41	1083	0.51	<b>1167</b>	<b>0.61</b>	<b>1248</b>	<b>0.73</b>	1406	1.03	—	—	—	—	—	—
2340	1500	861	0.25	950	0.35	1033	0.45	1114	0.56	1193	0.67	<b>1270</b>	<b>0.78</b>	<b>1420</b>	<b>1.06</b>	—	—	—	—	—	—
2496	1600	906	0.28	992	0.40	1070	0.50	1146	0.62	1221	0.73	<b>1295</b>	<b>0.85</b>	<b>1438</b>	<b>1.11</b>	1576	1.45	—	—	—	—
2652	1700	952	0.32	1034	0.45	1109	0.56	1181	0.68	1252	0.80	1322	0.93	<b>1459</b>	<b>1.18</b>	<b>1592</b>	<b>1.49</b>	1720	1.88	—	—
2808	1800	999	0.37	1077	0.50	1149	0.62	1218	0.74	1286	0.87	1352	1.00	<b>1483</b>	<b>1.27</b>	<b>1610</b>	<b>1.56</b>	1734	1.92	—	—
2964	1900	1046	0.42	1120	0.56	1190	0.68	1256	0.81	1321	0.94	1384	1.08	1509	1.36	<b>1631</b>	<b>1.65</b>	<b>1750</b>	<b>1.98</b>	1866	2.40
3120	2000	1094	0.47	1164	0.62	1231	0.76	1295	0.89	1357	1.02	1418	1.17	1538	1.46	<b>1655</b>	<b>1.75</b>	<b>1770</b>	<b>2.07</b>	<b>1882</b>	<b>2.46</b>
3276	2100	1142	0.53	1208	0.69	1274	0.83	1335	0.97	1395	1.11	1453	1.26	1568	1.57	1681	1.87	<b>1791</b>	<b>2.19</b>	<b>1900</b>	<b>2.54</b>
3432	2200	1190	0.60	1253	0.76	1317	0.91	1376	1.06	1434	1.20	1490	1.35	1600	1.67	1709	2.00	<b>1815</b>	<b>2.32</b>	<b>1920</b>	<b>2.66</b>
3588	2300	1238	0.67	1299	0.83	1360	1.00	1418	1.16	1474	1.30	1528	1.46	1634	1.79	1738	2.13	1841	2.46	<b>1942</b>	<b>2.80</b>
3744	2400	1286	0.74	1345	0.91	1403	1.09	1460	1.26	1514	1.41	1567	1.57	1669	1.90	1770	2.26	1869	2.61	<b>1967</b>	<b>2.96</b>
4056	2600	1383	0.91	1438	1.10	1492	1.29	1546	1.48	1597	1.65	1647	1.82	1743	2.16	1837	2.54	1929	2.92	<b>1997</b>	<b>3.30</b>
4368	2800	1481	1.10	1533	1.31	1583	1.51	1633	1.72	1682	1.91	1730	2.10	1821	2.46	1909	2.84	1996	3.25	2081	3.67
4680	3000	1582	1.33	1629	1.55	1675	1.76	1722	1.98	1769	2.20	1814	2.41	1901	2.79	1984	3.19	2066	3.61	2147	4.05
4992	3200	1682	1.59	1726	1.81	1769	2.04	1812	2.27	1857	2.51	1900	2.74	1983	3.16	2063	3.58	2141	4.01	2217	4.46
5304	3400	1776	1.84	1822	2.11	1864	2.35	1904	2.59	1946	2.85	1987	3.10	2068	3.57	2144	4.01	2218	4.45	2291	4.91

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3276	2100	<b>2005</b>	<b>2.97</b>	2109	3.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3432	2200	<b>2022</b>	<b>3.06</b>	2123	3.53	2221	4.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3588	2300	<b>2042</b>	<b>3.18</b>	<b>2139</b>	<b>3.61</b>	2235	4.12	2329	4.67	—	—	—	—	—	—	—	—	—	—	—	—
3744	2400	<b>2063</b>	<b>3.33</b>	<b>2158</b>	<b>3.73</b>	<b>2251</b>	<b>4.21</b>	2342	4.74	2432	5.33	—	—	—	—	—	—	—	—	—	—
4056	2600	<b>2111</b>	<b>3.68</b>	<b>2200</b>	<b>4.07</b>	<b>2288</b>	<b>4.49</b>	<b>2375</b>	<b>4.96</b>	<b>2461</b>	<b>5.49</b>	2545	6.08	2628	6.72	—	—	—	—	—	—
4368	2800	2166	4.08	2250	4.48	<b>2334</b>	<b>4.90</b>	<b>2416</b>	<b>5.33</b>	<b>2497</b>	<b>5.80</b>	<b>2577</b>	<b>6.33</b>	<b>2656</b>	<b>6.91</b>	2735	7.54	2812	8.22	—	—
4680	3000	2227	4.50	2307	4.94	2385	5.37	<b>2463</b>	<b>5.81</b>	<b>2540</b>	<b>6.26</b>	<b>2617</b>	<b>6.74</b>	<b>2692</b>	<b>7.26</b>	<b>2767</b>	<b>7.83</b>	<b>2841</b>	<b>8.45</b>	2914	9.13
4992	3200	2293	4.93	2368	5.41	2443	5.88	2517	6.34	<b>2590</b>	<b>6.81</b>	<b>2663</b>	<b>7.28</b>	<b>2735</b>	<b>7.77</b>	<b>2806</b>	<b>8.29</b>	<b>2877</b>	<b>8.85</b>	—	—
5304	3400	2363	5.40	2434	5.90	2505	6.41	2575	6.91	2645	7.40	2714	7.90	2783	<b>8.39</b>	<b>2851</b>	<b>8.90</b>	—	—	—	—
5616	3600	2436	5.91	2504	6.43	2571	6.96	2638	7.49	2705	8.02	2771	8.55	2836	9.07	<b>2901</b>	<b>9.59</b>	—	—	—	—
5928	3800	2512	6.47	2577	7.00	2641	7.54	2705	8.10	2768	8.67	2831	9.23	2894	9.79	—	—	—	—	—	—
6240	4000	2591	7.09	2653	7.62	2714	8.18	2775	8.75	2836	9.34	2896	9.93	—	—	—	—	—	—	—	—
6552	4200	2671	7.75	2731	8.30	2790	8.87	2848	9.45	2907	10.05	—	—	—	—	—	—	—	—	—	—
6864	4400	2753	8.47	2811	9.04	2868	9.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7176	4600	2836	9.24	2892	9.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

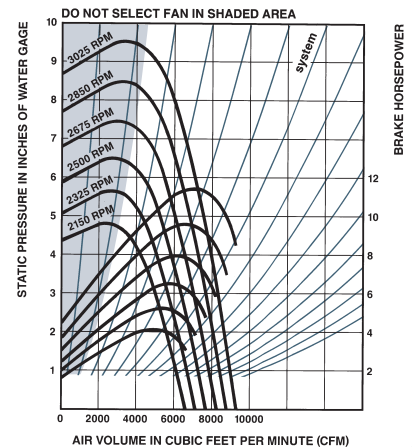
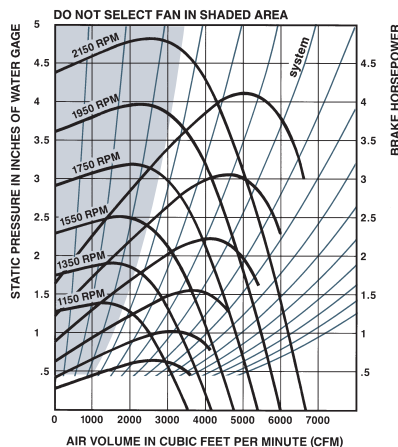
Performance certified is for installation type B-free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-200

TIP SPEED (FPM) = 5.236 x RPM

OUTLET  $\left\{ \begin{array}{l} 2.318 \text{ Sq. Ft. Inside} \\ 21\frac{1}{2}" \times 15\frac{7}{8}" \text{ Outside} \end{array} \right.$

MAX. HP = 1.0139  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—20"

INLET  $\left\{ \begin{array}{l} 2.435 \text{ Sq. Ft. Inside} \\ 21\frac{1}{2}" \text{ Dia. Outside} \end{array} \right.$

MAX. RPM  
CL.1 1866  
CL.2 2432

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1854	800	492	0.12	<b>610</b>	<b>0.22</b>	716	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2086	900	524	0.15	<b>632</b>	<b>0.26</b>	<b>731</b>	<b>0.38</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2318	1000	558	0.18	658	0.29	<b>751</b>	<b>0.42</b>	<b>838</b>	<b>0.56</b>	920	0.70	—	—	—	—	—	—	—	—	—	—
2550	1100	594	0.21	686	0.33	774	0.47	<b>856</b>	<b>0.62</b>	<b>934</b>	<b>0.77</b>	—	—	—	—	—	—	—	—	—	—
2782	1200	632	0.25	717	0.38	799	0.53	<b>877</b>	<b>0.68</b>	<b>951</b>	<b>0.84</b>	<b>1022</b>	<b>1.00</b>	—	—	—	—	—	—	—	—
3013	1300	670	0.30	750	0.43	827	0.58	901	0.75	<b>971</b>	<b>0.91</b>	<b>1039</b>	<b>1.09</b>	—	—	—	—	—	—	—	—
3245	1400	710	0.35	784	0.49	857	0.65	926	0.82	<b>994</b>	<b>1.00</b>	<b>1059</b>	<b>1.18</b>	<b>1182</b>	<b>1.56</b>	—	—	—	—	—	—
3477	1500	750	0.41	820	0.56	888	0.72	954	0.90	1019	1.08	<b>1081</b>	<b>1.28</b>	<b>1200</b>	<b>1.67</b>	<b>1312</b>	<b>2.09</b>	—	—	—	—
3709	1600	791	0.47	857	0.63	921	0.80	984	0.99	1045	1.18	1105	1.38	<b>1219</b>	<b>1.79</b>	<b>1328</b>	<b>2.23</b>	<b>1431</b>	<b>2.68</b>	—	—
3941	1700	833	0.55	895	0.71	955	0.89	1015	1.08	1074	1.28	1131	1.49	<b>1241</b>	<b>1.92</b>	<b>1346</b>	<b>2.37</b>	<b>1446</b>	<b>2.84</b>	<b>1542</b>	<b>3.33</b>
4172	1800	875	0.63	933	0.80	991	0.99	1048	1.18	1104	1.39	1158	1.61	<b>1264</b>	<b>2.06</b>	<b>1365</b>	<b>2.53</b>	<b>1463</b>	<b>3.01</b>	<b>1556</b>	<b>3.51</b>
4404	1900	917	0.73	972	0.90	1027	1.09	1081	1.29	1135	1.51	1187	1.73	1289	2.20	<b>1387</b>	<b>2.68</b>	<b>1481</b>	<b>3.19</b>	<b>1572</b>	<b>3.71</b>
4636	2000	960	0.83	1012	1.01	1064	1.20	1116	1.42	1167	1.64	1218	1.87	1316	2.35	1410	2.85	<b>1502</b>	<b>3.37</b>	<b>1590</b>	<b>3.91</b>
4868	2100	1003	0.94	1053	1.13	1102	1.33	1152	1.55	1201	1.77	1249	2.01	1344	2.51	1435	3.03	<b>1524</b>	<b>3.57</b>	<b>1609</b>	<b>4.12</b>
5100	2200	1046	1.06	1093	1.26	1141	1.47	1188	1.69	1235	1.92	1282	2.17	1373	2.68	1461	3.21	1547	3.77	<b>1631</b>	<b>4.34</b>
5331	2300	1089	1.20	1134	1.40	1180	1.61	1225	1.84	1271	2.08	1315	2.33	1403	2.86	1489	3.41	1572	3.98	1653	4.57
5563	2400	1132	1.34	1176	1.55	1220	1.77	1263	2.00	1307	2.25	1350	2.51	1434	3.05	1517	3.61	1598	4.20	1677	4.80
6027	2600	1220	1.67	1260	1.89	1301	2.12	1341	2.37	1381	2.63	1421	2.90	1500	3.46	1578	4.06	1654	4.68	1728	5.31
6490	2800	1308	2.05	1345	2.28	1382	2.53	1420	2.79	1457	3.06	1495	3.34	1568	3.93	1641	4.55	1713	5.20	1784	5.87
6954	3000	1396	2.49	1431	2.73	1466	2.99	1501	3.26	1536	3.55	1571	3.84	1640	4.46	1709	5.10	1776	5.78	1843	6.48
7418	3200	1485	2.98	1517	3.24	1550	3.51	1583	3.80	1616	4.09	1648	4.40	1714	5.04	1778	5.71	1842	6.42	1906	7.14
7881	3400	1573	3.54	1604	3.82	1635	4.10	1666	4.40	1697	4.71	1727	5.02	1789	5.69	1850	6.39	1911	7.12	1971	7.87

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4868	2100	<b>1693</b>	<b>4.69</b>	<b>1774</b>	<b>5.27</b>	<b>1852</b>	<b>5.86</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5100	2200	<b>1712</b>	<b>4.92</b>	<b>1791</b>	<b>5.52</b>	<b>1867</b>	<b>6.13</b>	<b>1942</b>	<b>6.75</b>	2016	7.39	—	—	—	—	—	—	—	—	—	—
5331	2300	<b>1732</b>	<b>5.17</b>	<b>1809</b>	<b>5.78</b>	<b>1884</b>	<b>6.41</b>	<b>1957</b>	<b>7.05</b>	<b>2029</b>	<b>7.70</b>	—	—	—	—	—	—	—	—	—	—
5563	2400	<b>1754</b>	<b>5.42</b>	<b>1829</b>	<b>6.06</b>	<b>1902</b>	<b>6.70</b>	<b>1974</b>	<b>7.36</b>	<b>2044</b>	<b>8.03</b>	<b>2113</b>	<b>8.71</b>	2180	9.40	—	—	—	—	—	—
6027	2600	1801	5.97	<b>1873</b>	<b>6.63</b>	<b>1943</b>	<b>7.31</b>	<b>2011</b>	<b>8.01</b>	<b>2078</b>	<b>8.71</b>	<b>2144</b>	<b>9.42</b>	<b>2209</b>	<b>10.15</b>	<b>2273</b>	<b>10.88</b>	<b>2335</b>	<b>11.62</b>	—	—
6490	2800	1853	6.55	1921	7.25	<b>1988</b>	<b>7.97</b>	<b>2053</b>	<b>8.69</b>	<b>2118</b>	<b>9.43</b>	<b>2181</b>	<b>10.18</b>	<b>2243</b>	<b>10.94</b>	<b>2304</b>	<b>11.71</b>	<b>2365</b>	<b>12.48</b>	<b>2424</b>	<b>13.27</b>
6954	3000	1909	7.19	1973	7.92	2037	8.67	2100	9.43	<b>2162</b>	<b>10.20</b>	<b>2222</b>	<b>10.99</b>	<b>2282</b>	<b>11.78</b>	<b>2341</b>	<b>12.58</b>	<b>2399</b>	<b>13.39</b>	—	—
7418	3200	1968	7.89	2030	8.65	2091	9.43	2151	10.22	2210	11.03	<b>2268</b>	<b>11.85</b>	<b>2326</b>	<b>12.67</b>	<b>2382</b>	<b>13.51</b>	—	—	—	—
7881	3400	2030	8.64	2089	9.43	2147	10.24	2205	11.07	2261	11.91	2318	12.76	2373	13.62	<b>2427</b>	<b>14.49</b>	—	—	—	—
8345	3600	2095	9.46	2152	10.28	2207	11.12	2262	11.98	2317	12.85	2370	13.73	2424	14.62	—	—	—	—	—	—
8808	3800	2163	10.35	2216	11.20	2270	12.07	2322	12.95	<b>2375</b>	<b>13.85</b>	<b>2426</b>	<b>14.76</b>	—	—	—	—	—	—	—	—
9272	4000	2232	11.32	2284	12.20	2335	13.09	2385	14.00	—	—	—	—	—	—	—	—	—	—	—	—
9736	4200	2304	12.37	2353	13.27	2402	14.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10199	4400	2377	13.50	2424	14.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

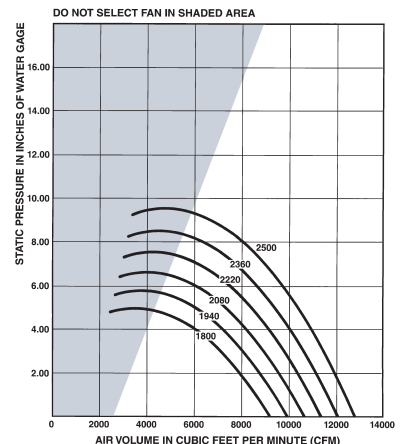
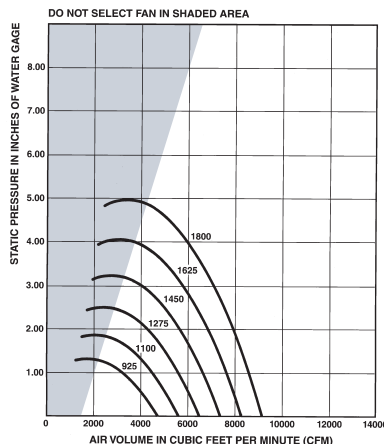
Performance certified is for installation type B – free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-222

TIP SPEED (FPM) = 5.825 x RPM

OUTLET { 2.827 Sq. Ft. Inside  
24" x 17<sup>3</sup>/<sub>8</sub>" Outside

MAX. HP = 1.8739  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER—22<sup>1</sup>/<sub>4</sub>"

INLET { 3.015 Sq. Ft. Inside  
23<sup>7</sup>/<sub>8</sub>" Dia. Outside

MAX. RPM  
CL.1 1661  
CL.2 2166

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2262	800	428	0.15	<b>536</b>	<b>0.27</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2544	900	456	0.18	<b>553</b>	<b>0.30</b>	<b>645</b>	<b>0.45</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2827	1000	486	0.21	<b>574</b>	<b>0.35</b>	<b>659</b>	<b>0.50</b>	<b>741</b>	<b>0.67</b>	—	—	—	—	—	—	—	—	—	—	—	—
3110	1100	517	0.25	598	0.39	<b>677</b>	<b>0.56</b>	<b>753</b>	<b>0.73</b>	<b>827</b>	<b>0.93</b>	—	—	—	—	—	—	—	—	—	—
3392	1200	550	0.30	624	0.45	697	0.62	<b>768</b>	<b>0.80</b>	<b>838</b>	<b>1.00</b>	<b>905</b>	<b>1.22</b>	—	—	—	—	—	—	—	—
3675	1300	584	0.36	653	0.51	720	0.69	<b>787</b>	<b>0.88</b>	<b>852</b>	<b>1.09</b>	<b>916</b>	<b>1.30</b>	—	—	—	—	—	—	—	—
3958	1400	619	0.42	683	0.59	746	0.77	808	0.97	<b>870</b>	<b>1.18</b>	<b>930</b>	<b>1.40</b>	<b>1046</b>	<b>1.89</b>	—	—	—	—	—	—
4241	1500	655	0.49	714	0.67	773	0.86	831	1.06	889	1.28	<b>946</b>	<b>1.51</b>	<b>1058</b>	<b>2.01</b>	—	—	—	—	—	—
4523	1600	691	0.57	746	0.76	802	0.95	857	1.16	911	1.39	<b>965</b>	<b>1.63</b>	<b>1071</b>	<b>2.14</b>	<b>1173</b>	<b>2.69</b>	—	—	—	—
4806	1700	727	0.66	779	0.86	832	1.06	883	1.28	935	1.51	986	1.75	<b>1087</b>	<b>2.28</b>	<b>1185</b>	<b>2.84</b>	—	—	—	—
5089	1800	764	0.76	813	0.97	863	1.18	912	1.40	961	1.64	1009	1.89	<b>1105</b>	<b>2.43</b>	<b>1199</b>	<b>3.00</b>	<b>1291</b>	<b>3.62</b>	1380	4.27
5371	1900	801	0.88	848	1.09	894	1.31	941	1.54	988	1.79	1034	2.04	<b>1125</b>	<b>2.59</b>	<b>1215</b>	<b>3.18</b>	<b>1303</b>	<b>3.81</b>	<b>1389</b>	<b>4.47</b>
5654	2000	838	1.00	883	1.22	927	1.45	971	1.69	1016	1.94	1060	2.21	1147	2.77	<b>1233</b>	<b>3.37</b>	<b>1318</b>	<b>4.01</b>	<b>1401</b>	<b>4.68</b>
5937	2100	876	1.13	918	1.36	960	1.60	1003	1.85	1045	2.11	1087	2.38	1171	2.95	<b>1253</b>	<b>3.57</b>	<b>1335</b>	<b>4.22</b>	<b>1415</b>	<b>4.91</b>
6219	2200	913	1.28	954	1.52	994	1.76	1035	2.02	1075	2.29	1115	2.57	1195	3.16	1275	3.78	<b>1353</b>	<b>4.45</b>	<b>1430</b>	<b>5.14</b>
6502	2300	951	1.44	990	1.69	1029	1.94	1067	2.21	1106	2.49	1145	2.77	1221	3.37	1297	4.01	<b>1373</b>	<b>4.69</b>	<b>1447</b>	<b>5.40</b>
6785	2400	989	1.61	1027	1.87	1064	2.14	1101	2.41	1138	2.70	1175	2.99	1248	3.61	1322	4.26	1394	4.95	<b>1466</b>	<b>5.67</b>
7350	2600	1066	2.01	1100	2.28	1134	2.56	1169	2.86	1203	3.16	1237	3.47	1305	4.11	1373	4.80	1441	5.51	1508	6.26
7916	2800	1143	2.46	1175	2.75	1206	3.06	1238	3.37	1270	3.68	1302	4.01	1365	4.69	1428	5.40	1491	6.14	1554	6.92
8481	3000	1220	2.98	1250	3.29	1279	3.61	1309	3.94	1339	4.28	1368	4.62	1428	5.33	1487	6.07	1546	6.85	1604	7.65
9046	3200	1297	3.57	1325	3.90	1353	4.24	1381	4.59	1409	4.94	1437	5.30	1492	6.05	1548	6.82	1603	7.62	1658	8.45
9612	3400	1375	4.24	1401	4.59	1428	4.95	1454	5.31	1480	5.69	1506	6.07	1559	6.84	1611	7.65	1663	8.48	1715	9.34

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5937	2100	<b>1493</b>	<b>5.62</b>	1570	6.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6219	2200	<b>1506</b>	<b>5.87</b>	<b>1580</b>	<b>6.64</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6502	2300	<b>1521</b>	<b>6.14</b>	<b>1593</b>	<b>6.91</b>	<b>1664</b>	<b>7.71</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6785	2400	<b>1537</b>	<b>6.42</b>	<b>1607</b>	<b>7.21</b>	<b>1676</b>	<b>8.02</b>	<b>1743</b>	<b>8.86</b>	—	—	—	—	—	—	—	—	—	—	—	—
7350	2600	<b>1574</b>	<b>7.04</b>	<b>1640</b>	<b>7.84</b>	<b>1705</b>	<b>8.68</b>	<b>1769</b>	<b>9.54</b>	<b>1832</b>	<b>10.43</b>	<b>1894</b>	<b>11.35</b>	—	—	—	—	—	—	—	—
7916	2800	1616	7.72	<b>1678</b>	<b>8.55</b>	<b>1739</b>	<b>9.41</b>	<b>1800</b>	<b>10.30</b>	<b>1860</b>	<b>11.21</b>	<b>1919</b>	<b>12.15</b>	<b>1978</b>	<b>13.11</b>	<b>2036</b>	<b>14.10</b>	2093	15.11	—	—
8481	3000	1663	8.48	1721	9.33	1779	10.22	<b>1836</b>	<b>11.13</b>	<b>1893</b>	<b>12.07</b>	<b>1949</b>	<b>13.03</b>	<b>2005</b>	<b>14.01</b>	<b>2060</b>	<b>15.02</b>	<b>2115</b>	<b>16.05</b>	—	—
9046	3200	1713	9.31	1768	10.19	1823	11.10	1877	12.04	<b>1931</b>	<b>13.00</b>	<b>1984</b>	<b>13.99</b>	<b>2037</b>	<b>15.00</b>	<b>2090</b>	<b>16.03</b>	<b>2142</b>	<b>17.08</b>	—	—
9612	3400	1767	10.23	1819	11.14	1870	12.08	1922	13.04	1973	14.02	<b>2024</b>	<b>15.03</b>	<b>2074</b>	<b>16.07</b>	<b>2125</b>	<b>17.12</b>	—	—	—	—
10177	3600	1823	11.23	1872	12.17	1921	13.13	1970	14.12	2019	15.13	2067	16.17	2115	17.23	<b>2163</b>	<b>18.31</b>	—	—	—	—
10743	3800	1882	12.32	1929	13.29	1975	14.29	2022	15.30	2068	16.34	2114	17.40	2160	18.48	—	—	—	—	—	—
11308	4000	1943	13.51	1987	14.51	2031	15.53	2076	16.58	2120	17.64	2164	18.73	—	—	—	—	—	—	—	—
11873	4200	2005	14.80	2048	15.82	2090	16.88	2132	17.95	—	—	—	—	—	—	—	—	—	—	—	—
12439	4400	2070	16.18	2110	17.25	2150	18.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13004	4600	2135	17.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

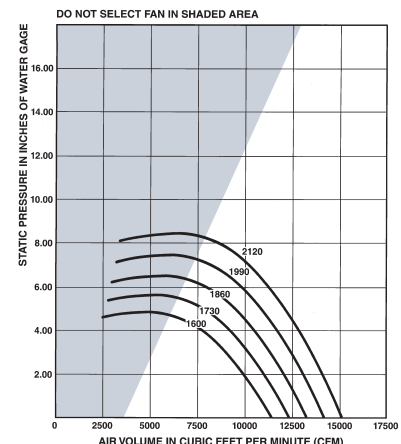
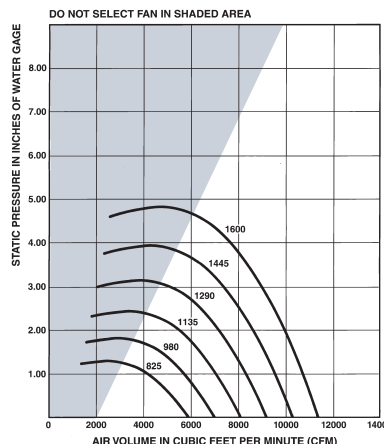
Performance certified is for installation type B—free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers



# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-245

TIP SPEED (FPM) = 6.414 x RPM

OUTLET 3.458 Sq. Ft. Inside  
26 1/4" x 19 1/4" Outside

MAX. HP = 3.0246  $\left(\frac{\text{RPM}}{1000}\right)^3$

WHEEL DIAMETER — 24 1/2"

INLET 3.650 Sq. Ft. Inside  
26 3/8" Dia. Outside

MAX. RPM  
CL.1 1508  
CL.2 1967

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.5 S.P.		.75 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		2 S.P.		2.5 S.P.		3 S.P.		3.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3458	1000	444	0.26	<b>523</b>	<b>0.42</b>	<b>600</b>	<b>0.61</b>	<b>674</b>	<b>0.82</b>	—	—	—	—	—	—	—	—	—	—	—	—
3804	1100	473	0.31	545	0.48	<b>616</b>	<b>0.68</b>	<b>685</b>	<b>0.90</b>	752	1.13	—	—	—	—	—	—	—	—	—	—
4150	1200	503	0.37	570	0.55	635	0.76	<b>700</b>	<b>0.98</b>	<b>762</b>	<b>1.23</b>	823	1.49	—	—	—	—	—	—	—	—
4495	1300	534	0.44	596	0.63	657	0.85	<b>717</b>	<b>1.08</b>	<b>776</b>	<b>1.33</b>	<b>833</b>	<b>1.59</b>	—	—	—	—	—	—	—	—
4841	1400	566	0.52	623	0.72	680	0.94	736	1.18	<b>792</b>	<b>1.44</b>	<b>846</b>	<b>1.71</b>	951	2.31	—	—	—	—	—	—
5187	1500	599	0.61	652	0.82	705	1.05	758	1.30	810	1.57	<b>862</b>	<b>1.85</b>	<b>962</b>	<b>2.45</b>	—	—	—	—	—	—
5533	1600	632	0.71	682	0.93	732	1.17	781	1.43	831	1.70	<b>879</b>	<b>1.99</b>	<b>975</b>	<b>2.61</b>	<b>1067</b>	<b>3.29</b>	—	—	—	—
5879	1700	665	0.82	712	1.06	759	1.31	806	1.57	853	1.85	899	2.15	<b>990</b>	<b>2.79</b>	<b>1078</b>	<b>3.47</b>	1164	4.21	—	—
6224	1800	699	0.95	743	1.19	788	1.45	832	1.73	876	2.02	920	2.32	<b>1007</b>	<b>2.97</b>	<b>1091</b>	<b>3.67</b>	<b>1174</b>	<b>4.42</b>	—	—
6570	1900	733	1.09	775	1.34	817	1.61	859	1.90	901	2.20	943	2.51	<b>1025</b>	<b>3.17</b>	<b>1106</b>	<b>3.89</b>	<b>1186</b>	<b>4.65</b>	<b>1263</b>	<b>5.46</b>
6916	2000	767	1.24	807	1.51	847	1.79	887	2.08	927	2.39	967	2.71	1046	3.39	<b>1123</b>	<b>4.12</b>	<b>1200</b>	<b>4.90</b>	<b>1274</b>	<b>5.72</b>
7262	2100	802	1.41	840	1.68	878	1.98	916	2.28	954	2.60	992	2.93	1067	3.63	<b>1142</b>	<b>4.37</b>	<b>1215</b>	<b>5.17</b>	<b>1287</b>	<b>6.00</b>
7608	2200	836	1.59	873	1.88	909	2.18	946	2.50	982	2.82	1018	3.16	1090	3.88	1162	4.64	<b>1232</b>	<b>5.45</b>	<b>1302</b>	<b>6.30</b>
7953	2300	871	1.79	906	2.09	941	2.40	975	2.73	1010	3.06	1045	3.41	1114	4.15	1183	4.92	1251	5.75	<b>1318</b>	<b>6.61</b>
8299	2400	906	2.00	939	2.32	973	2.64	1006	2.98	1039	3.32	1073	3.68	1139	4.43	1205	5.23	1270	6.07	<b>1335</b>	<b>6.95</b>
8991	2600	976	2.49	1007	2.83	1038	3.17	1069	3.53	1099	3.90	1130	4.28	1191	5.07	1253	5.90	1313	6.77	1374	7.68
9682	2800	1046	3.05	1075	3.41	1104	3.78	1132	4.16	1161	4.55	1190	4.95	1247	5.78	1304	6.64	1360	7.55	1417	8.49
10374	3000	1117	3.70	1144	4.08	1171	4.48	1197	4.88	1224	5.29	1251	5.71	1304	6.58	1357	7.48	1411	8.42	1463	9.40
11066	3200	1188	4.44	1213	4.84	1238	5.26	1263	5.68	1289	6.12	1314	6.56	1364	7.47	1414	8.41	1463	9.39	1513	10.40
11757	3400	1259	5.26	1283	5.69	1307	6.13	1330	6.58	1354	7.04	1377	7.50	1425	8.45	1472	9.43	1519	10.45	1566	11.50
12449	3600	1331	6.20	1353	6.65	1375	7.11	1398	7.58	1420	8.06	1442	8.55	1487	9.54	1531	10.56	1576	11.62	1620	12.70
13140	3800	1402	7.23	1423	7.71	1445	8.20	1466	8.69	1487	9.19	1508	9.70	1550	10.74	1592	11.80	1634	12.90	1676	14.02

VOL. CFM	OUTLET VEL. FPM	4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7262	2100	<b>1358</b>	<b>6.87</b>	1427	7.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7608	2200	<b>1370</b>	<b>7.18</b>	<b>1437</b>	<b>8.11</b>	1503	9.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7953	2300	<b>1384</b>	<b>7.51</b>	<b>1449</b>	<b>8.45</b>	<b>1513</b>	<b>9.43</b>	1576	10.44	—	—	—	—	—	—	—	—	—	—	—	—
8299	2400	<b>1399</b>	<b>7.86</b>	<b>1462</b>	<b>8.82</b>	<b>1524</b>	<b>9.81</b>	<b>1585</b>	<b>10.83</b>	1646	11.88	—	—	—	—	—	—	—	—	—	—
8991	2600	<b>1434</b>	<b>8.62</b>	<b>1493</b>	<b>9.61</b>	<b>1551</b>	<b>10.62</b>	<b>1609</b>	<b>11.67</b>	<b>1666</b>	<b>12.76</b>	<b>1723</b>	<b>13.87</b>	1778	15.01	—	—	—	—	—	—
9682	2800	<b>1473</b>	<b>9.47</b>	<b>1528</b>	<b>10.48</b>	<b>1584</b>	<b>11.53</b>	<b>1638</b>	<b>12.61</b>	<b>1692</b>	<b>13.72</b>	<b>1746</b>	<b>14.86</b>	<b>1799</b>	<b>16.03</b>	<b>1851</b>	<b>17.23</b>	1903	18.45	—	—
10374	3000	1516	10.41	1568	11.45	1620	12.53	<b>1672</b>	<b>13.64</b>	<b>1723</b>	<b>14.78</b>	<b>1774</b>	<b>15.94</b>	<b>1825</b>	<b>17.14</b>	<b>1874</b>	<b>18.37</b>	<b>1924</b>	<b>19.63</b>	—	—
11066	3200	1563	11.44	1612	12.52	1661	13.63	1710	14.77	<b>1759</b>	<b>15.93</b>	<b>1807</b>	<b>17.13</b>	<b>1855</b>	<b>18.36</b>	<b>1902</b>	<b>19.62</b>	<b>1950</b>	<b>20.90</b>	—	—
11757	3400	1612	12.57	1659	13.69	1705	14.83	1752	16.00	1798	17.20	<b>1844</b>	<b>18.43</b>	<b>1889</b>	<b>19.69</b>	<b>1934</b>	<b>20.97</b>	—	—	—	—
12449	3600	1664	13.82	1709	14.97	1753	16.14	1796	17.34	1840	18.58	1884	19.84	1927	21.12	—	—	—	—	—	—
13140	3800	1718	15.17	1760	16.36	1802	17.57	1844	18.80	1886	20.07	1927	21.36	—	—	—	—	—	—	—	—
13832	4000	1774	16.65	1814	17.87	1854	19.11	1894	20.38	1934	21.68	—	—	—	—	—	—	—	—	—	—
14524	4200	1832	18.24	1870	19.50	1908	20.78	1946	22.09	—	—	—	—	—	—	—	—	—	—	—	—
15215	4400	1891	19.96	1927	21.26	1963	22.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15907	4600	1951	21.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

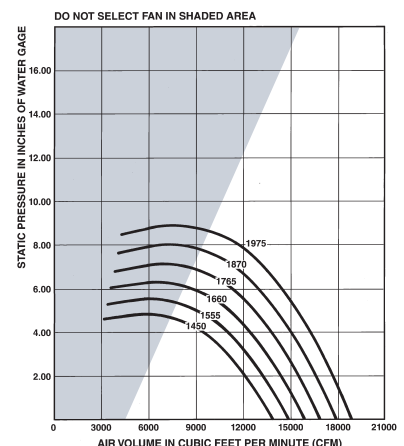
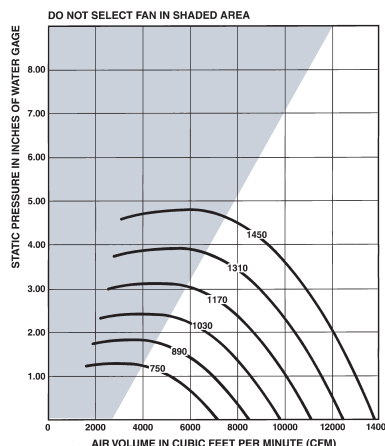
Performance certified is for installation type B-free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

- Class I Blowers
- Class II Blowers











# PEERLESS BLOWERS ULTRAFAN-PAK 2000 PERFORMANCE TABLES

## B-365

TIP SPEED (FPM) = 9.566 x RPM

OUTLET 7.66 Sq. Ft. Inside  
39 1/4" x 28 1/2" Outside

MAX. HP = 13.01 (RPM)<sup>3</sup>  
(1000)

WHEEL DIAMETER—36 1/2"

INLET 8.11 Sq. Ft. Inside  
39" Dia. Outside

MAX. RPM  
CL.1 1098  
CL.2 1431

VOL. CFM	OUTLET VEL. FPM	.25 S.P.		.38 S.P.		.50 S.P.		.63 S.P.		.75 S.P.		.88 S.P.		1 S.P.		1.25 S.P.		1.5 S.P.		1.75 S.P.		2 S.P.		2.5 S.P.			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6128	800	<b>311</b>	<b>0.41</b>	<b>338</b>	<b>0.55</b>	<b>363</b>	<b>0.69</b>	<b>387</b>	<b>0.83</b>	<b>411</b>	<b>0.99</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6894	900	337	0.51	362	0.66	384	0.81	407	0.97	428	1.13	450	1.30	470	1.48	497	1.67	525	2.06	—	—	—	—	—	—	—	—
7660	1000	364	0.62	387	0.78	408	0.95	428	1.12	448	1.30	468	1.48	487	1.67	508	2.06	—	—	—	—	—	—	—	—	—	—

VOL. CFM	OUTLET VEL. FPM	3 S.P.		3.5 S.P.		4 S.P.		4.5 S.P.		5 S.P.		5.5 S.P.		6 S.P.		6.5 S.P.		7 S.P.		7.5 S.P.		8 S.P.		8.5 S.P.		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM
9958	1300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10724	1400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11490	1500	<b>806</b>	<b>7.41</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

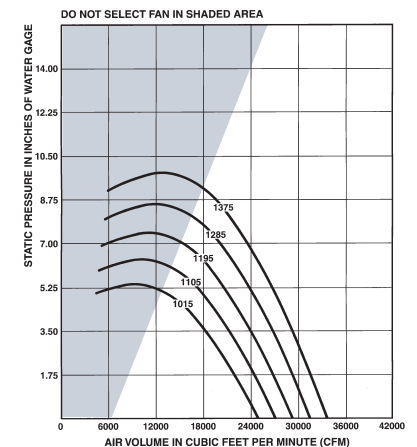
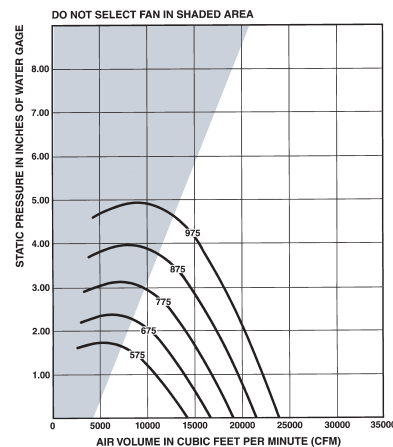
Performance certified is for installation type B-free inlet, ducted outlet.

Power Rating (BHP) does not include transmission losses.

Performance ratings do not include the effects of appurtenances (accessories).

Data in **bold** face indicates quietest and most efficient performance.

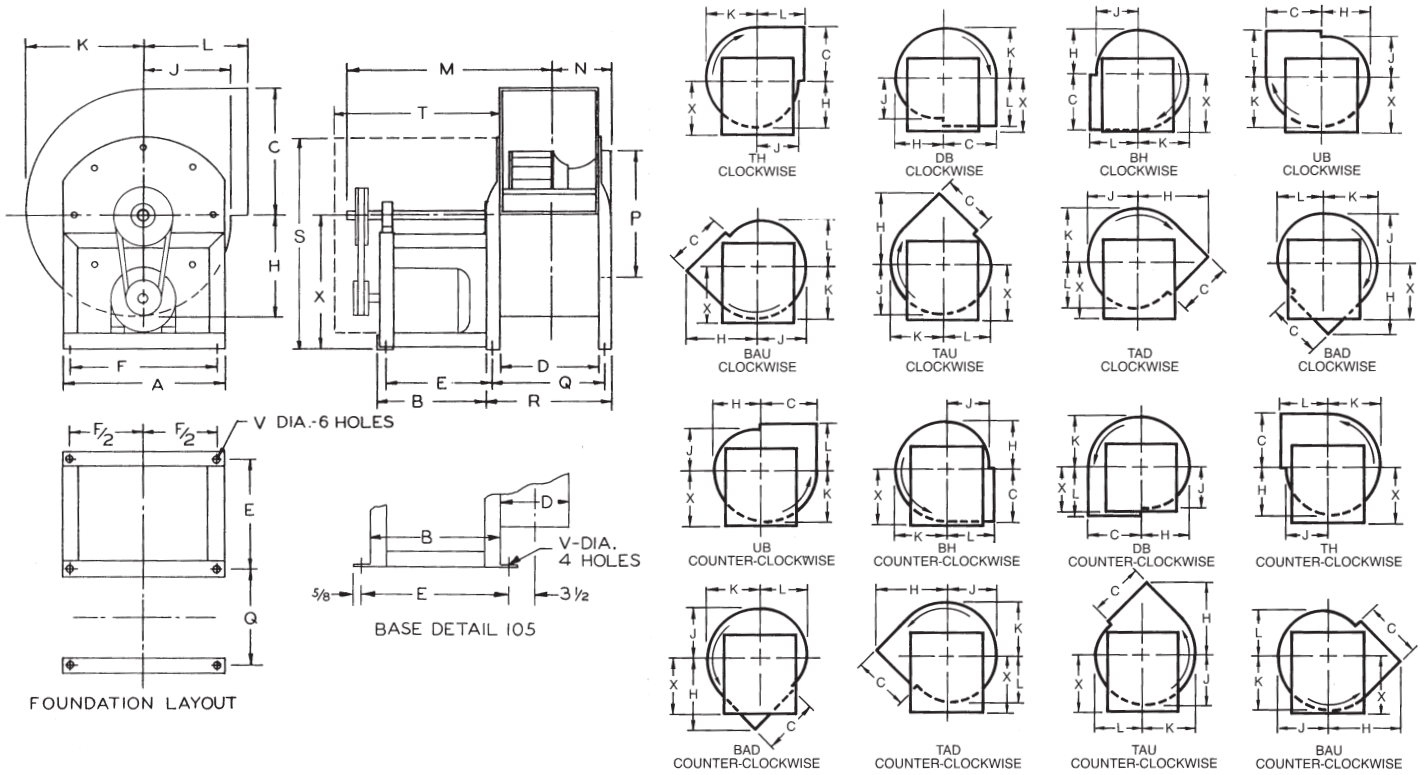
- Class I Blowers
- Class II Blowers





# PEERLESS BLOWERS ULTRAFAN-PAK 2000 BLOWERS

## Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 1



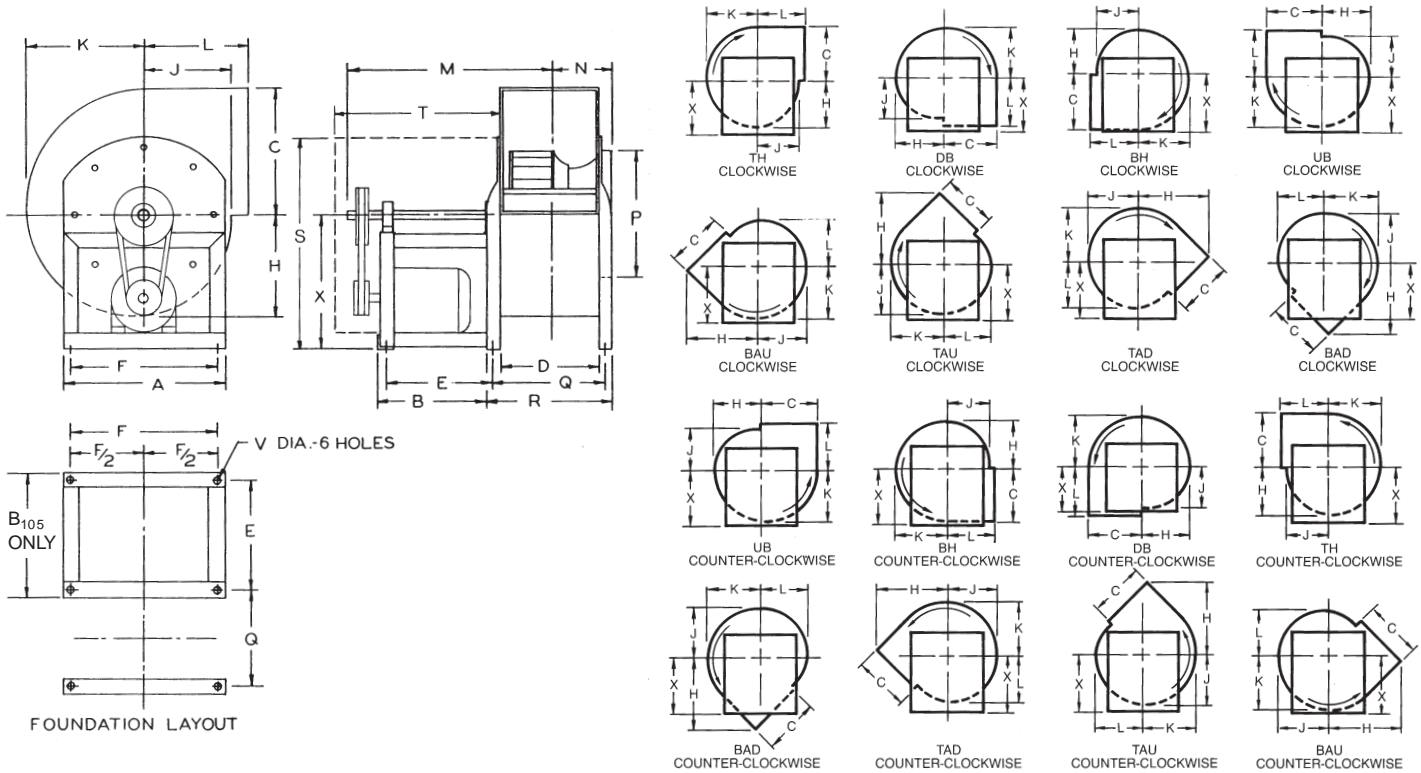
SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE				M	N	P	Q	R	S	T	V	X	MAX. MOTOR FRAME
									H	J	K	L	H	J	K	L										
105	10 1/2	3/4	127/8	13	11 3/4	8	14 1/4	10 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8	19 5/8	6	127/8	—	—	20 1/2	17	7 1/16	14	145T
122	12 1/4	1	163/8	13 1/2	13 1/4	9 5/8	13 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8	23 7/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	20	1/2	17	182T
135	13 1/2	1	175/8	13 1/2	14 5/8	10 3/4	13 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10	24 3/8	7	14 1/2	12 3/8	13 7/8	25 7/8	20	1/2	17	182T
150	15	1	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8	26 7/8	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	182T
165	16 1/2	1	213/8	15	17 3/4	13	15 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4	27 1/2	8 1/2	17 7/8	14 1/2	17	30 1/8	22	1/2	19 1/2	184T
182	18 1/4	1 3/16	23 1/8	17	19 5/8	14 1/4	17 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8	30 5/8	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	25	1/2	21 7/8	184T
200	20	1 3/16	25	17	21 1/2	15 7/8	17	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8	31 1/2	10	21 1/2	17 7/8	20 1/8	36 1/4	25	1/2	23 3/4	213T
222	22 1/4	1 3/16	27 3/8	16 1/2	24	17 3/8	17	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2	32 3/4	10 5/8	23 7/8	19 3/8	22 5/8	39 3/4	26	1/2	26 1/8	213T
245	24 1/2	1 7/16	30 1/4	16 1/2	26 1/4	19 1/4	16 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4	33 5/8	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	26	1/2	27 3/4	215T
270	27	1 7/16	33	16 1/2	29	21 1/4	16 1/2	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20	34 5/8	12 5/8	29	23 3/4	26 1/2	47	26	1/2	30 1/2	215T
300	30	1 11/16	36 1/4	16 1/2	32 1/4	23 3/8	16 1/2	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/2	36	13 3/4	32 1/4	26	28 3/4	51 7/8	27	1/2	33 3/4	254T
330	33	1 11/16	39 1/2	21 3/8	35 3/8	25 7/8	21 5/8	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8	41 3/8	15	35 3/8	28 3/8	31 1/8	58 1/2	30 3/8	7/8	38 3/8	254T
365	36 1/2	1 15/16	43 1/8	21 3/8	39 1/4	28 1/2	21 5/8	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27	43 1/4	16 1/4	39	31	33 3/4	63 3/4	30 3/8	7/8	42 1/8	254T

NOTE: Letters "C" and "D" are outside housing dimensions.  
 \*"C" dimension on 105 extends 1 1/16" beyond center-line.

TEMPERATURE OPERATING LIMITS TEMPERATURE RPM DERATING FACTORS IN PERCENT:	
STEEL WHEEL	ALUMINUM WHEEL
300°F 100%	150°F 100%
301-400°F 96%	151-200°F 95%
401-500°F 92%	201-250°F 80%
501-600°F 85%	

# PEERLESS BLOWERS ULTRAFAN-PAK 2000 BLOWERS

## Non-Overloading Belt Drive — Arrangement #10 — SWSI — Class 2

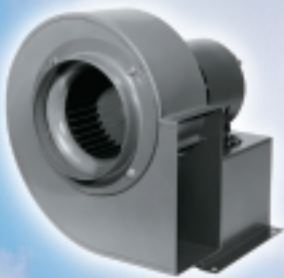


SIZE	WHEEL DIA.	SHAFT DIA.	A	B	C*	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				BAU, TAU, TAD, BAD ANGULAR DISCHARGE				M	N	P	Q	R	S	T	V	X	MAX. MOTOR FRAME
									H	J	K	L	H	J	K	L										
105	10 1/2	1	16 3/8	15	11 3/4	8	13 1/2	14 3/4	7 7/8	6 3/4	9 1/8	8 1/16	13 1/4	8 7/8	9 5/8	7 1/8	22 3/8	6	12 7/8	—	—	25 1/4	20	1/2	17	182T
122	12 1/4	1 3/16	16 3/8	15 1/2	13 1/4	9 5/8	15 1/2	14 3/4	10 1/8	8 1/2	11 1/2	10 1/2	16 5/8	10 3/4	12 1/2	9 1/8	25 3/8	6 3/8	13 1/4	11 1/4	12 3/4	25 1/4	22	1/2	17	184T
135	13 1/2	1 3/16	17 5/8	15 1/2	14 5/8	10 3/4	15 1/2	16	11 1/8	9 3/8	12 5/8	11 3/8	18 1/4	11 7/8	13 3/4	10	25 7/8	7	14 1/2	12 3/8	13 7/8	25 7/8	22	1/2	17	184T
150	15	1 3/16	19 1/4	15 1/2	16 1/4	11 3/4	15 1/2	17 5/8	12 3/8	10 3/8	14 1/8	12 3/8	20 1/8	13 1/4	15 1/4	11 1/8	27	7 1/2	16 1/8	13 3/8	14 7/8	27 5/8	22	1/2	17 7/8	213T
165	16 1/2	1 3/16	21 3/8	21	17 3/4	13	21 1/2	19 3/4	13 5/8	11 3/8	15 1/2	13 3/8	21 7/8	14 5/8	16 3/4	12 1/4	34 1/8	8 1/2	17 7/8	14 1/2	17	30 1/8	29	1/2	19 1/2	254T
182	18 1/4	1 7/16	23 1/8	21	19 5/8	14 1/4	21 1/2	21 1/2	15	12 5/8	17 1/8	14 5/8	24 1/8	16	18 1/2	13 5/8	34 3/4	9 1/8	19 5/8	15 3/4	18 1/4	33 3/8	29	1/2	21 7/8	254T
200	20	1 7/16	25	21	21 1/2	15 7/8	21	23 3/8	16 1/2	13 3/4	18 3/4	15 3/4	26 3/8	17 5/8	20 3/8	14 7/8	35 5/8	10	21 1/2	17 7/8	20 1/8	36 1/4	29	1/2	23 3/4	254T
222	22 1/4	1 11/16	27 3/8	22 1/2	24	17 3/8	23	25 3/4	18 1/4	15 1/4	20 7/8	17 1/4	29	19 1/2	22 5/8	16 1/2	38 3/8	10 5/8	23 7/8	19 3/8	22 5/8	39 3/4	31 1/2	1/2	26 1/8	256T
245	24 1/2	1 11/16	30 1/4	22 1/2	26 1/4	19 1/4	22 3/4	23 5/8	20 1/8	16 7/8	23	19 7/8	32 1/2	21 1/2	24 7/8	18 1/4	40 1/2	11 3/4	26 3/8	21 1/4	24 1/2	42 7/8	33	1/2	27 3/4	284T
270	27	1 11/16	33	21	29	21 1/4	21 1/8	26 1/4	22 1/8	18 1/2	25 1/4	21 1/2	35 3/8	23 5/8	27 3/8	20	39 5/8	12 5/8	29	23 3/4	26 1/2	47	32	1/2	30 1/2	284T
300	30	1 15/16	36 1/4	23	32 1/4	23 3/8	23 1/8	29 1/2	24 5/8	20 1/2	28 1/8	23 5/8	39 3/8	26 3/8	30 1/2	22 1/4	42 5/8	13 3/4	32 1/4	26	28 3/4	51 7/8	33	1/2	33 3/4	286T
330	33	1 15/16	39 1/2	23	35 3/8	25 7/8	23 1/4	33 1/8	27 1/8	22 1/2	30 7/8	25 5/8	43	28 7/8	33 1/2	24 3/8	45	15	35 3/8	28 3/8	31 1/8	58 1/8	34	7/8	38 3/8	324T
365	36 1/2	2 3/16	43 1/8	23	39 1/4	28 1/2	23 1/4	36 7/8	30	24 7/8	34 1/8	28	47 3/8	32	37 1/8	27	46 1/4	16 1/4	39	31	33 3/4	63 3/4	34	7/8	42 1/8	324T

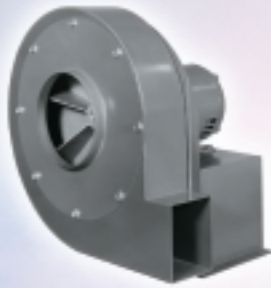
NOTE: Letters "C" and "D" are outside housing dimensions.  
 \*"C" dimension on 105 extends 1 1/16" beyond center-line.

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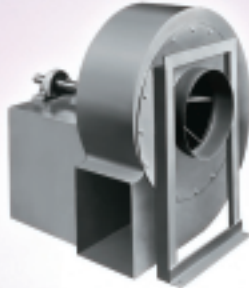
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