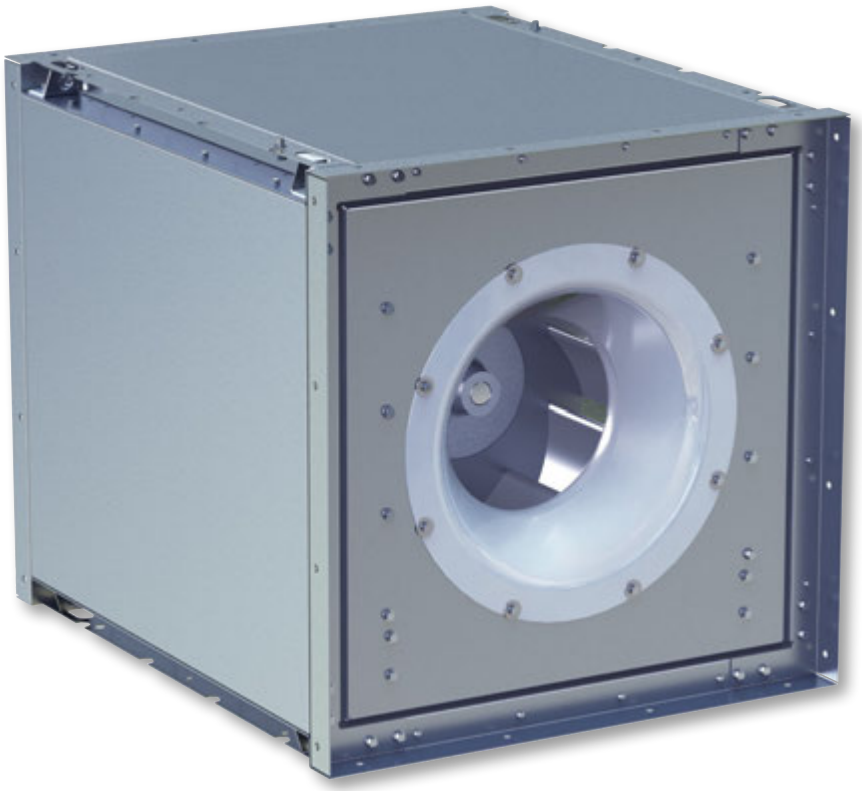
Fans & Blowers

Twin City

Turning Air Into Solutions.

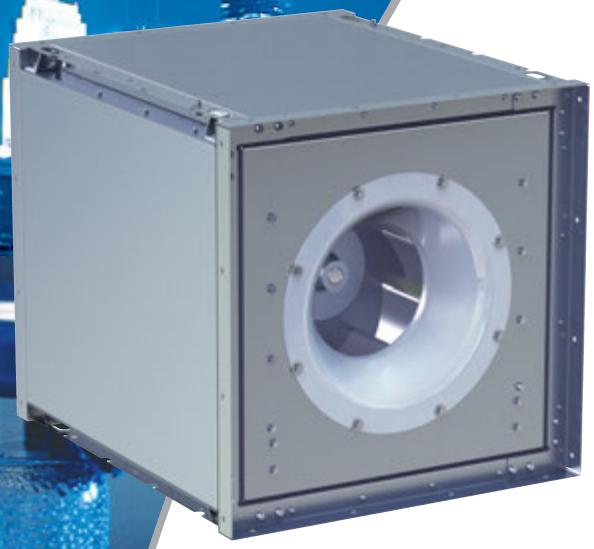


MODULAR PLENUM FANS

MPLFN | MPLFS | MPLQN | MPLQS

CATALOG 495
April 2013

PlenumFans



Inlet View

Drive End View

Twin City Fan & Blower certifies that the models MPLFN, MPLFS, MPLQN and MPLQS Modular Plenum Fans 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 AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Refer to Twin City Fan & Blower Fan Selector© program for sound power levels.

Models

MPLFN | MPLFS | MPLQN | MPLQS

Twin City Fan & Blower offers its newest line of modular plenum fans with the MPLFN, MPLFS, MPLQN and MPLQS. The new modular plenum fans are AMCA licensed for sound and air.

Twin City Fan & Blower's models MPLFN, MPLFS, MPLQN and MPLQS incorporate a plenum fan mounted inside a newly design housing. These models offer many of the same performance and quality characteristics of the E-Series plenum, MPQN and MPQS modular plenum fans, but in a reduced weight, yet rigid design. The MPLFN, MPLFS, MPLQN, and MPLQS fans are suited for light to Class III medium duty applications with static pressures of up to 12" w.g.

The compact, arrangement 4 configuration offers space savings with a reduced fan footprint. The internally isolated fan units (wheel, inlet cone, motor, and pedestal) allow for units to be bolted together directly without the need for further isolation. Different performance points can be achieved either through wheel width reduction or varying motor speeds.

MPLFN and MPLFS

The MPLFN utilizes an acoustically insulated housing assembly. The MPLFS is a non-insulated, structure only version of the MPLFN fan. Both fans are offered in standard and compact size housings to provide the best blend of performance and overall size for sizes 182 to 365.

MPLQN and MPLQS

The MPLQN utilizes an insulated housing assembly. The MPLQS is a non-insulated, structure only version of the MPLQN fan. Both fans are offered in standard and compact size housings for sizes 182 to 365.

Sizes

12.25" to 36.5" wheel diameters

Performance

Airflow to 44,000 CFM
Static pressure to 12" w.g.

Classes

Class I & II available in sizes 122 to 365.
Class III available in sizes 165 to 365.

Models

MPLFN | MPLFS | MPLQN | MPLQS

Plenum fans are designed to operate inside of field-fabricated or factory-built air handling units. The fan pressurizes the surrounding air plenum in which the fan is installed, allowing air ducts from any direction to be directly connected to the air handling unit enclosure. This design generally saves space by eliminating the transitions and diffusers within the air handling unit.

Modular plenum fans have found acceptance in the air handling industry due to the versatility, adaptability, and simple, compact design. The modular plenum fan is ideal for retrofitting existing air handling units as well as new applications.

The MPLFN, MPLFS, MPLQN and MPLQS fans can be used as individual fans or in parallel to construct a multi-fan system. When using the modular fans in parallel, the system provides a more uniform airflow throughout the plenum with less axial length than a larger individual plenum fan. Modular plenum fans operating in parallel may also provide redundancy on critical applications.

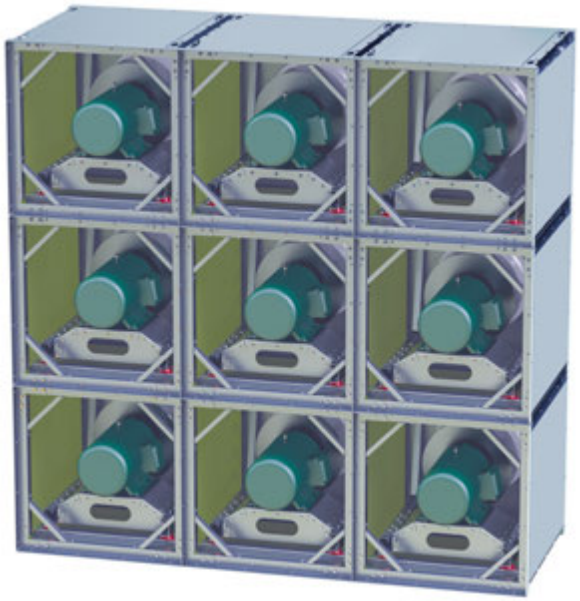
The MPLFN, MPLFS, MPLQN and MPLQS fans, when used in parallel, can offer further advantages over a single, larger plenum fan. The use of multiple modular fans in parallel, operating at higher speeds, can reduce low-frequency sound levels as compared to larger fans.

Configurations

MPLFN, MPLFS, MPLQN and MPLQS fans can configured in many different ways. All fans can be stacked on top of one another and bolted together side-by-side to build a multi-fan system. See chart below for stacking height available for the modular plenum fans.

FAN SIZE	MAXIMUM STACKING HEIGHT
122	4
150	4
165	4
182	3
200	3
222	3

FAN SIZE	MAXIMUM STACKING HEIGHT
245	3
270	2
300	2
330	2
365	2



Fans & Blowers
Twin City

Construction Features

Model MPLQN

9-Bladed Airfoil
Wheel Design

12-Bladed Airfoil
Wheel Design

Isolation

Internal fan assemblies are isolated from the housings to achieve the least amount of transmitted vibration to the customer's air handling unit. Additionally, internal isolation allows for a more versatile installation with no required isolating accessories to mount on the air handling unit.

The MPLFN, MPLFS, MPLQN and MPLQS are comprised of a bare fan, consisting of a wheel, motor pedestal, inlet funnel and inlet plate mounted inside a structural housing. The fan assembly and housing structure are constructed of heavy-gauge, corrosion-resistant galvanized material for strength and rigidity where available. Enamel coated mild steel is supplied on components where galvanized material is not available.

Wheels

High efficiency, non-overloading airfoil aluminum wheels using extruded aluminum blades are standard.

The models MPLFN and MPLFS feature a highly efficient and cost-effective, 9-bladed airfoil wheel design.

The models MPLQN and MPLQS feature a 12-bladed airfoil wheel design that flattens the sound spectrum and reduces the dominance of pure tones.

Inlet Cones

Heavy-gauge, spun steel inlet cones are closely matched to the wheel intake rim to ensure efficient and quiet operation.

Housings

Each model includes a structural housing which allows the fans to be bolted together in several different configurations. All models receive an outer skin that directs the sound and air axially through the fan.

Two different housings sizes are available for the modular plenum fans. Sizes 182 and larger are available in compact configurations. The compact housings reduce the wheel-to-wall spacing for applications with space constraints. The standard housings are available on all sizes and closely track un-housed plenum fan performance and efficiencies.

Sound Insulation (MPLFN and MPLQN)

Models MPLFN and MPLQN housings are insulated to reduce sound power levels. The sheet metal module encloses insulation for sound attenuation. The insulation is protected with a vapor barrier for IAQ (indoor air quality) preventing insulation shedding on the air path side. Galvanized, perforated steel is located on the airstream side of the vapor barrier provides added protection without sacrificing air performance. The perforated steel is optimized for sound transmissibility, allowing the most sound energy to reach the sound absorbing fiberglass.

Accessories

Partial Width Wheels
Wheels are available from 50% to 105% width.

Inlet Screen
Heavy-gauge barbecue grill style inlet screen that nests in the inlet funnel for personnel protection.

Outlet Guard
Removable outlet guard mounted on the outlet of the fan housing for personnel protection.

Inlet Damper
Backdraft damper mounted on the inlet of the fan to minimize airflow through the fan when a fan is shut down. Available for up to 5" w.g.

Outlet Damper
Backdraft damper mounted on the outlet of the fan to minimize airflow through the fan when a fan is shut down. Standard duty available for up to 5" w.g. Heavy duty available to 10" w.g.

Aluminum Perforated Housing Liner
Available on MPLFN and MPLQN fans, the aluminum substitutes the standard galvanized, perforated steel.

Shaft Grounding Ring (SGR)
Recommended for all modular fans, a shaft grounding ring is mounted to the motor providing motor bearing protection. By diverting variable frequency drive (VFD) induced stray voltages to ground through the shaft grounding ring instead of the motor bearings, motor life is extended.

Fans & Blowers
Twin City

FlowMeasurementSystem

Piezometer Ring (Airflow Measuring System)

A piezometer ring is available on plenum fans, as well as other Twin City Fan housed fans, as part of an airflow measuring system, based on the principle of a flow nozzle. The inlet cone of the fan is used as the flow nozzle. The flow can be calculated by measuring the pressure drop through the inlet cone. No tubes or sensors are inserted in the high velocity airstream which could obstruct airflow.

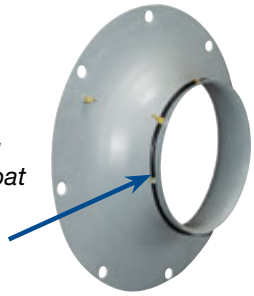
The system consists of a piezometer ring mounted at the throat and a static pressure tap mounted on the face of the inlet cone. A differential pressure transducer and digital display can also be provided.

The pressure drop is measured between the tap located on the face of the inlet cone and the tap connected to the piezometer ring in the throat. The inlet tap is connected to the high-pressure side of the transducer and the piezometer ring is connected to the low-pressure side.

Based on Twin City Fan laboratory tests, the system was determined to be accurate within +/-5%.

Refer to Twin City Fan Engineering Supplement ES-105.

NOTE: Twin City Fan does not recommend placement of flow measuring probes inside the fan inlet cone in the path of airflow. These devices create disturbances and unpredictable performance losses. Twin City Fan will not be responsible for loss of performance due to such devices.



Piezometer Ring Mounted at Throat of Inlet Cone

Maximum RPM, Wheel Weights, & WR^2

MPLFN & MPLFS

FAN SIZE	WHEEL DIA. (IN.)	CLASS I			CLASS II			CLASS III		
		MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)	MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)	MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)
122	12.25	3388	11	1.4	4000	11	1.4	n/a	n/a	n/a
150	15.00	3006	15	3	3909	15	3	n/a	n/a	n/a
165	16.50	2668	17	4.4	3468	17	4.4	4000	20	5.1
182 & 182C	18.25	2302	17	6.1	2930	18	6.1	3767	21	6.2
200 & 200C	20.00	2101	21	6.4	2674	21	7.4	3438	24	9.3
222 & 222C	22.25	1888	30	12	2403	30	12	3090	34	15
245 & 245C	24.50	1715	35	21	2183	35	21	2806	38	22
270 & 270C	27.00	1556	40	29	1981	40	29	2546	47	32
300 & 300C	30.00	1401	49	46	1783	54	51	2291	58	52
330 & 330C	33.00	1273	62	70	1620	67	76	2083	72	77
365 & 365C	36.50	1151	73	103	1465	79	112	1884	84	114

MPLQN & MPLQS

FAN SIZE	WHEEL DIA. (IN.)	CLASS I			CLASS II			CLASS III		
		MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)	MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)	MAX RPM (70°F)	WT. (LB)	WR^2 (LB-FT)
122	12.25	3388	12	1.6	4000	12	1.6	n/a	n/a	n/a
150	15.00	3006	17	3.5	3909	17	3.5	n/a	n/a	n/a
165	16.50	2668	20	5.3	3468	20	5.3	4000	22	5.6
182 & 182C	18.25	2302	20	7.2	2930	20	7.2	3767	23	7.4
200 & 200C	20.00	2101	24	10	2674	24	8.4	3438	27	10
222 & 222C	22.25	1888	34	14	2403	34	14	3090	38	17
245 & 245C	24.50	1715	39	24	2183	39	24	2806	43	24
270 & 270C	27.00	1556	46	35	1981	46	35	2546	53	38
300 & 300C	30.00	1401	57	55	1783	61	59	2291	65	59
330 & 330C	33.00	1273	72	81	1620	77	87	2083	82	88
365 & 365C	36.50	1151	85	120	1465	91	129	1884	96	130

Bare Fan Weights

FAN SIZE	WHEEL DIA. (IN.)	WEIGHT (LB) *											
		MPLFN			MPLFS			MPLQN			MPLQS		
		CLASS I	CLASS II	CLASS III	CLASS I	CLASS II	CLASS III	CLASS I	CLASS II	CLASS III	CLASS I	CLASS II	CLASS III
122	12.25	250	250	n/a	216	216	n/a	251	251	n/a	217	217	n/a
150	15.00	306	306	n/a	263	263	n/a	308	308	n/a	265	265	n/a
165	16.50	336	336	339	274	274	277	339	339	341	277	277	279
182C	18.25	322	323	326	260	261	264	325	325	328	263	263	266
182	18.25	368	369	372	293	294	297	371	371	374	296	296	299
200C	20.00	380	380	383	305	305	308	383	383	386	308	308	311
200	20.00	434	434	437	343	343	346	437	437	440	346	346	349
222C	22.25	469	469	473	378	378	382	473	473	477	382	382	386
222	22.25	557	557	561	450	450	454	561	561	565	454	454	458
245C	24.50	507	507	510	416	416	419	511	511	515	420	420	424
245	24.50	676	676	679	544	544	547	680	680	684	548	548	552
270C	27.00	614	614	621	507	507	514	620	620	627	513	513	520
270	27.00	782	782	789	627	627	634	788	788	795	633	633	640
300C	30.00	747	752	756	615	620	624	755	759	763	623	627	631
300	30.00	947	952	956	763	768	772	955	959	963	771	775	779
330C	33.00	907	912	917	752	757	762	917	922	927	762	767	772
330	33.00	1104	1109	1114	906	911	916	1114	1119	1124	916	921	926
365C	36.50	1103	1109	1114	919	925	930	1115	1121	1126	931	937	942
365	36.50	1330	1336	1341	1104	1110	1115	1342	1348	1353	1116	1122	1127

* Weight is for fan less motor weight.

MPLQN - 122C

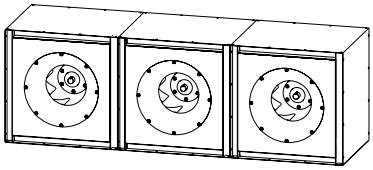
Model
MPLFN, MPLFS
MPLQN, MPLQS

Wheel Type
F = 9-Bladed Airfoil
Q = 12-Bladed Airfoil

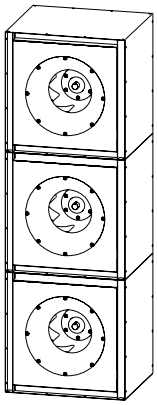
Housing
N = Insulated
S = Structure Only, Non-Insulated

Housing Size
C = Compact
No letter at the end of the fan size = Standard Housing

Wheel Diameter
12.25" to 36.5"



1 x 3 Horizontal Layout



3 x 1 Vertical Layout

Multi-fan layouts can be described by defining the quantity of fans stacked up by the the quantity of fans bolted together horizontally. See examples to the left.

Performance Data

122 MPLFN/MPLFS

Wheel Diameter: 12.25"
Outlet Area: 3.97 ft²

Fan Efficiency Grade: FEG80
Max. BHP = 0.055 x (RPM / 1000)³

CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		5" SP		6" SP		7" SP		8" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	252	1376	0.13	1620	0.23	1849	0.35	2077	0.47																
1200	302	1549	0.18	1770	0.29	1967	0.42	2158	0.55	2347	0.70	2539	0.86												
1400	352	1726	0.23	1934	0.36	2115	0.50	2282	0.65	2445	0.81	2608	0.97	2770	1.14	2935	1.33								
1600	403	1909	0.30	2106	0.45	2273	0.60	2429	0.76	2576	0.93	2718	1.11	2861	1.29	3004	1.48	3289	1.88						
1800	453	2096	0.39	2280	0.55	2441	0.72	2586	0.89	2724	1.07	2856	1.26	2983	1.46	3109	1.66	3363	2.08	3616	2.52	3875	3.02		
2000	503	2287	0.49	2459	0.67	2614	0.86	2752	1.05	2881	1.24	3006	1.44	3126	1.65	3241	1.86	3469	2.31	3698	2.77	3925	3.25		
2200	554	2480	0.61	2642	0.81	2789	1.01	2924	1.22	3047	1.43	3164	1.64	3277	1.86	3388	2.08	3598	2.55	3806	3.05				
2400	604	2676	0.75	2827	0.97	2967	1.19	3097	1.41	3217	1.63	3329	1.86	3436	2.09	3541	2.33	3743	2.83	3935	3.34				
2600	654	2873	0.91	3016	1.16	3149	1.39	3273	1.63	3390	1.87	3499	2.11	3602	2.36	3702	2.61	3894	3.12						
2800	705			3207	1.36	3333	1.62	3452	1.87	3565	2.13	3672	2.39	3772	2.65	3868	2.91								
3000	755			3399	1.59	3520	1.87	3634	2.14	3743	2.41	3846	2.69	3945	2.97										
3200	805			3594	1.85	3709	2.15	3818	2.44	3923	2.73														

MAXIMUM RPM: Class I = 3388 Class II = 4000

122 MPLQN/MPLQS

Wheel Diameter: 12.25"
Outlet Area: 3.97 ft²

Fan Efficiency Grade: FEG80
Max. BHP = 0.055 x (RPM / 1000)³

CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP		3.5" SP		4" SP		5" SP		6" SP		7" SP		8" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	252	1440	0.15	1662	0.24	1852	0.35	2039	0.47	2224	0.60														
1200	302	1627	0.20	1838	0.31	2015	0.43	2172	0.56	2330	0.70	2483	0.84	2637	1.00	2802	1.17								
1400	352	1819	0.27	2023	0.40	2189	0.54	2339	0.67	2475	0.82	2609	0.97	2744	1.14	2875	1.31	3141	1.68						
1600	403	2020	0.36	2209	0.51	2371	0.66	2512	0.81	2645	0.97	2766	1.13	2883	1.30	3001	1.48	3235	1.86	3464	2.27	3707	2.73		
1800	453	2226	0.46	2398	0.63	2557	0.81	2694	0.98	2819	1.15	2938	1.32	3049	1.50	3155	1.69	3363	2.09	3572	2.51	3775	2.95	3982	3.43
2000	503	2436	0.59	2593	0.78	2744	0.97	2879	1.16	3000	1.35	3113	1.54	3221	1.73	3325	1.93	3517	2.35	3704	2.79	3894	3.25		
2200	554	2649	0.74	2792	0.95	2933	1.16	3066	1.37	3185	1.58	3295	1.79	3398	1.99	3498	2.20	3686	2.64	3860	3.10				
2400	604			2997	1.14	3127	1.37	3254	1.61	3372	1.84	3480	2.06	3581	2.29	3676	2.51	3858	2.97						
2600	654			3205	1.37	3325	1.62	3444	1.87	3559	2.12	3667	2.37	3766	2.61	3859	2.86								
2800	705			3415	1.62	3527	1.89	3638	2.16	3748	2.43	3854	2.70	3953	2.97										
3000	755			3628	1.91	3733	2.20	3837	2.48	3941	2.78														
3200	805			3842	2.23	3941	2.54																		

MAXIMUM RPM: Class I = 3388 Class II = 4000

Class I = First white section
Class II = Blue shaded section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

150 MPLFN/MPLFS

Wheel Diameter: 15.00"
Outlet Area: 4.69 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.152 x (RPM / 1000)³

CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2000	426	1361	0.32	1534	0.51	1686	0.71	1827	0.93	2106	1.39														
2250	480	1484	0.40	1650	0.61	1791	0.83	1923	1.06	2172	1.56	2420	2.10												
2500	533	1610	0.50	1767	0.73	1902	0.96	2026	1.21	2256	1.74	2480	2.31	2702	2.91	2930	3.59								
2750	586	1738	0.61	1887	0.86	2018	1.12	2135	1.38	2353	1.94	2556	2.54	2760	3.18	2963	3.84	3168	4.57						
3000	640	1868	0.74	2009	1.01	2135	1.29	2248	1.57	2455	2.16	2647	2.79	2833	3.46	3020	4.16	3206	4.88	3393	5.66				
3250	693	2000	0.89	2133	1.18	2254	1.48	2365	1.78	2562	2.40	2747	3.07	2920	3.77	3092	4.50	3265	5.26	3436	6.03	3608	6.86	3784	7.76
3500	746	2132	1.05	2259	1.38	2375	1.70	2483	2.02	2674	2.68	2850	3.37	3017	4.10	3177	4.86	3337	5.66	3497	6.47	3656	7.30	3815	8.17
3750	799	2266	1.24	2387	1.59	2498	1.94	2602	2.28	2789	2.98	2957	3.70	3119	4.46	3272	5.25	3421	6.07	3570	6.93	3720	7.80	3868	8.68
4000	853	2401	1.46	2516	1.83	2622	2.20	2722	2.56	2905	3.30	3069	4.06	3223	4.84	3372	5.67	3514	6.52	3654	7.40	3794	8.31		
4250	906			2646	2.10	2748	2.49	2845	2.87	3023	3.65	3183	4.45	3332	5.27	3475	6.12	3613	7.00	3747	7.91	3878	8.85		
4500	959			2777	2.39	2875	2.80	2969	3.21	3142	4.03	3299	4.87	3444	5.73	3582	6.61	3716	7.51	3845	8.45				
4750	1013			2909	2.71	3004	3.15	3094	3.58	3262	4.44	3417	5.33	3558	6.22	3691	7.12	3821	8.07						

MAXIMUM RPM: Class I = 3006 Class II = 3909

150 MPLQN/MPLQS

Wheel Diameter: 15.00"
Outlet Area: 4.69 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.152 x (RPM / 1000)³

CFM	OV	0.5" SP		1" SP		1.5" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2000	426	1433	0.37	1602	0.56	1740	0.75	1864	0.95	2095	1.39	2320	1.88	2559	2.46										
2250	480	1567	0.47	1728	0.68	1862	0.89	1981	1.11	2192	1.57	2398	2.09	2597	2.64	2805	3.27								
2500	533	1706	0.58	1856	0.82	1987	1.06	2101	1.30	2306	1.79	2490	2.32	2676	2.91	2855	3.51	3038	4.18	3238	4.95				
2750	586	1847	0.72	1985	0.98	2114	1.25	2225	1.51	2423	2.03	2599	2.59	2766	3.19	2935	3.83	3098	4.50	3262	5.21	3435	5.99		
3000	640	1990	0.88	2118	1.17	2241	1.46	2352	1.75	2543	2.31	2716	2.90	2873	3.52	3025	4.18	3180	4.88	3331	5.60	3480	6.35	3633	7.16
3250	693	2135	1.07	2254	1.38	2370	1.69	2479	2.00	2666	2.61	2833	3.23	2988	3.89	3130	4.57	3271	5.28	3415	6.04	3555	6.81	3692	7.61
3500	746	2281	1.28	2392	1.61	2501	1.95	2607	2.29	2792	2.95	2954	3.61	3105	4.29	3245	5.00	3377	5.74	3507	6.50	3641	7.31	3772	8.14
3750	799			2533	1.88	2635	2.24	2735	2.60	2919	3.32	3078	4.02	3223	4.73	3362	5.47	3490	6.24	3614	7.03	3735	7.84	3859	8.70
4000	853			2675	2.17	2771	2.56	2866	2.94	3046	3.71	3203	4.47	3345	5.22	3479	5.98	3607	6.78	3727	7.60	3843	8.44		
4250	906			2819	2.50	2910	2.91	2999	3.32	3174	4.14	3330	4.95	3469	5.74	3600	6.55	3725	7.37	3844	8.22				
4500	959			2964	2.87	3050	3.30	3135	3.73	3302	4.60	3457	5.46	3595	6.31	3723	7.15	3844	8.00						
4750	1013			3109	3.27	3192	3.72	3272	4.18	3432	5.09	3584	6.01	3722	6.92	3848	7.81								

MAXIMUM RPM: Class I = 3006 Class II = 3909

165 MPLFN/MPLFS

Wheel Diameter: 16.50"
Outlet Area: 6.14 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.245 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2500	407	1422	0.64	1683	1.16	1929	1.74	2176	2.38																
3000	489	1598	0.87	1834	1.44	2044	2.08	2249	2.77	2453	3.50	2663	4.33												
3500	570	1778	1.14	1999	1.80	2192	2.49	2370	3.24	2546	4.04	2721	4.86	2897	5.74	3076	6.70								
4000	652	1965	1.48	2174	2.22	2352	2.98	2518	3.79	2674	4.65	2827	5.54	2982	6.47	3135	7.42	3288	8.41	3444	9.49				
4500	733	2155	1.89	2352	2.71	2522	3.55	2676	4.42	2824	5.34	2963	6.29	3100	7.29	3237	8.31	3374	9.36	**3510**	**10.42**	**3646**	**11.53**	**3783**	**12.69**
5000	815	2349	2.38	2534	3.30	2698	4.22	2844	5.15	2982	6.13	3115	7.14	3242	8.19	3365	9.27	**3488**	**10.39**	**3612**	**11.55**	**3735**	**12.70**	**3857**	**13.88**
5500	896	2547	2.96	2719	3.97	2876	4.97	3019	5.99	3149	7.03	3274	8.10	3396	9.22	**3513**	**10.36**	**3626**	**11.53**	**3738**	**12.74**	**3849**	**13.97**	**3962**	**15.24**
6000	978	2746	3.63	2908	4.73	3058	5.83	3195	6.92	3322	8.04	3441	9.18	**3556**	**10.36**	**3668**	**11.56**	**3777**	**12.79**	**3882**	**14.05**	**3985**	**15.34**		
6500	1059	2947	4.40	3100	5.60	3242	6.79	3375	7.97	**3499**	**9.18**	**3614**	**10.39**	**3724**	**11.63**	**3829**	**12.88**	**3933**	**14.18**						
7000	1140			3295	6.59	3430	7.87	**3557**	**9.14**	**3677**	**10.42**	**3790**	**11.72**	**3896**	**13.03**	**3998**	**14.36**								
7500	1222			**3491**	**7.69**	**3620**	**9.08**	**3742**	**10.44**	**3858**	**11.80**	**3968**	**13.18**												
8000	1303			**3690**	**8.93**	**3812**	**10.41**	**3929**	**11.87**																

MAXIMUM RPM: Class I = 2668 Class II = 3468 Class III = 4000

165 MPLQN/MPLQS

Wheel Diameter: 16.50"
Outlet Area: 6.14 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.244 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2500	407	1486	0.71	1722	1.20	1926	1.74	2126	2.34	2329	3.02														
3000	489	1678	0.98	1901	1.55	2088	2.15	2256	2.79	2426	3.49	2590	4.22	2759	5.03										
3500	570	1873	1.32	2088	1.98	2264	2.64	2423	3.34	2568	4.08	2714	4.87	2858	5.70	2998	6.56	3141	7.48	3291	8.48				
4000	652	2077	1.73	2279	2.50	2449	3.25	2600	4.01	2740	4.81	2869	5.64	2994	6.51	3122	7.42	3248	8.37	3371	9.34	**3495**	**10.36**	**3621**	**11.43**
4500	733	2287	2.23	2472	3.10	2639	3.96	2784	4.80	2917	5.66	3043	6.55	3160	7.47	3273	8.42	3384	9.40	**3498**	**10.44**	**3611**	**11.50**	**3721**	**12.57**
5000	815	2501	2.84	2669	3.80	2830	4.76	2973	5.71	3101	6.65	3221	7.59	3336	8.58	3445	9.59	**3548**	**10.62**	**3649**	**11.69**	**3749**	**12.78**	**3851**	**13.92**
5500	896	2718	3.55	2872	4.61	3023	5.67	3164	6.73	3289	7.77	3405	8.79	**3515**	**9.83**	**3621**	**10.90**	**3723**	**12.00**	**3819**	**13.11**	**3913**	**14.26**		
6000	978	2938	4.40	3080	5.54	3220	6.70	3355	7.86	**3480**	**9.01**	**3594**	**10.14**	**3700**	**11.26**	**3802**	**12.39**	**3900**	**13.54**	**3996**	**14.73**				
6500	1059			3292	6.61	3421	7.86	**3549**	**9.12**	**3671**	**10.37**	**3784**	**11.62**	**3889**	**12.84**	**3988**	**14.06**								
7000	1140			**3506**	**7.83**	**3627**	**9.18**	**3747**	**10.53**	**3864**	**11.88**	**3976**	**13.23**												
7500	1222			**3723**	**9.21**	**3836**	**10.64**	**3948**	**12.09**																
8000	1303			**3941**	**10.76**																				

MAXIMUM RPM: Class I = 2668 Class II = 3468 Class III = 4000

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

182 MPLFN/MPLFS

Wheel Diameter: 18.25"
Outlet Area: 7.83 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.422 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	383	1205	0.71	1480	1.37	1713	2.07	1926	2.83																
3500	447	1312	0.87	1564	1.60	1785	2.39	1983	3.22	2164	4.08														
4000	511	1426	1.06	1656	1.87	1867	2.74	2055	3.65	2230	4.60	2390	5.56	2549	6.59										
4500	575	1544	1.28	1758	2.16	1954	3.11	2136	4.11	2302	5.13	2459	6.19	2605	7.26	2745	8.37	2888	9.55						
5000	638	1667	1.55	1867	2.50	2048	3.51	2221	4.59	2383	5.71	2533	6.85	2675	8.00	2812	9.20	**2940**	**10.40**	**3066**	**11.65**	**3194**	**12.95**		
5500	702	1792	1.85	1981	2.88	2151	3.96	2312	5.11	2467	6.30	2614	7.54	2751	8.78	2882	10.04	**3010**	**11.35**	**3131**	**12.66**	**3246**	**13.98**	**3361**	**15.36**
6000	766	1920	2.20	2097	3.30	2259	4.46	2410	5.67	2557	6.94	2698	8.24	2833	9.59	**2960**	**10.94**	**3082**	**12.31**	**3201**	**13.72**	**3316**	**15.14**	**3426**	**16.58**
7000	894	2180	3.03	2339	4.30	2487	5.61	2625	6.97	2755	8.36	2882	9.81	**3007**	**11.31**	**3128**	**12.84**	**3245**	**14.39**	**3358**	**15.98**	**3466**	**17.57**	**3570**	**19.15**
8000	1022	2447	4.10	2590	5.52	2725	6.99	2852	8.49	**2973**	**10.04**	**3089**	**11.63**	**3202**	**13.26**	**3312**	**14.92**	**3421**	**16.63**	**3528**	**18.37**	**3632**	**20.14**	**3734**	**21.94**
9000	1149	2717	5.41	2848	7.01	**2971**	**8.63**	**3089**	**10.29**	**3202**	**11.99**	**3310**	**13.72**	**3415**	**15.49**	**3516**	**17.29**	**3616**	**19.14**	**3714**	**21.01**				
10000	1277			**3110**	**8.77**	**3224**	**10.56**	**3333**	**12.38**	**3438**	**14.22**	**3540**	**16.11**	**3639**	**18.03**	**3734**	**19.98**								
11000	1405			**3376**	**10.86**	**3482**	**12.82**	**3584**	**14.80**	**3682**	**16.80**														

MAXIMUM RPM: Class I = 2302 Class II = 2930 Class III = 3767

182 MPLQN/MPLQS

Wheel Diameter: 18.25"
Outlet Area: 7.83 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 0.440 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	383	1219	0.74	1471	1.40	1689	2.11																		
3500	447	1334	0.93	1566	1.66	1771	2.44	1956	3.28	2145	4.19														
4000	511	1456	1.14	1671	1.95	1862	2.81	2038	3.72	2200	4.67	2360	5.68												
4500	575	1583	1.40	1782	2.28	1962	3.22	2127	4.21	2284	5.24	2428	6.29	2569	7.39	2716	8.58								
5000	638	1713	1.71	1899	2.66	2068	3.68	2225	4.74	2372	5.84	2514	6.98	2646	8.15	2773	9.35	2901	10.60	**3035**	**11.94**				
5500	702	1846	2.06	2020	3.09	2180	4.18	2329	5.32	2470	6.50	2603	7.71	2732	8.96	2855	10.24	**2972**	**11.54**	**3087**	**12.87**	**3204**	**14.27**	**3326**	**15.74**
6000	766	1981	2.46	2145	3.58	2297	4.74	2438	5.96	2573	7.22	2700	8.50	2822	9.82	**2942**	**11.18**	**3057**	**12.56**	**3167**	**13.97**	**3273**	**15.40**	**3378**	**16.86**
7000	894	2256	3.45	2404	4.74	2540	6.05	2669	7.42	2792	8.83	2910	10.28	**3023**	**11.75**	**3132**	**13.25**	**3238**	**14.78**	**3341**	**16.33**	**3443**	**17.93**	**3543**	**19.55**
8000	1022	2536	4.70	2670	6.17	2794	7.65	2912	9.16	**3025**	**10.71**	**3134**	**12.31**	**3240**	**13.95**	**3342**	**15.61**	**3441**	**17.29**	**3538**	**19.01**	**3631**	**20.73**	**3723**	**22.49**
9000	1149			**2942**	**7.90**	**3057**	**9.56**	**3165**	**11.23**	**3270**	**12.94**	**3371**	**14.67**	**3469**	**16.45**	**3564**	**18.26**	**3657**	**20.11**	**3748**	**21.98**				
10000	1277			**3218**	**9.97**	**3324**	**11.81**	**3426**	**13.66**	**3523**	**15.52**	**3617**	**17.41**	**3708**	**19.32**										
11000	1405			**3499**	**12.45**	**3597**	**14.45**	**3691**	**16.47**																

MAXIMUM RPM: Class I = 2302 Class II = 2930 Class III = 3767

182C MPLFN/MPLFS

Wheel Diameter: 18.25"
Outlet Area: 6.14 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.426 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	489	1212	0.73	1479	1.38	1708	2.07																		
3500	570	1320	0.90	1567	1.63	1783	2.41	1977	3.22	2171	4.13														
4000	652	1435	1.11	1664	1.91	1867	2.77	2052	3.67	2222	4.59	2389	5.59												
4500	733	1556	1.35	1768	2.23	1960	3.17	2135	4.15	2299	5.16	2451	6.19	2599	7.27	2750	8.45								
5000	815	1681	1.64	1878	2.59	2059	3.60	2225	4.66	2382	5.76	2530	6.88	2668	8.02	2802	9.19	**2936**	**10.43**	**3072**	**11.75**				
5500	896	1809	1.97	1993	3.00	2163	4.08	2322	5.21	2471	6.39	2613	7.60	2749	8.84	2877	10.08	**3000**	**11.35**	**3121**	**12.66**	**3243**	**14.04**	**3367**	**15.50**
6000	978	1939	2.35	2112	3.46	2272	4.61	2424	5.82	2567	7.07	2702	8.36	2832	9.68	**2959**	**11.03**	**3078**	**12.38**	**3193**	**13.75**	**3305**	**15.14**	**3416**	**16.58**
7000	1140	2205	3.28	2359	4.54	2503	5.86	2640	7.21	2771	8.61	2897	10.05	**3018**	**11.52**	**3134**	**13.03**	**3246**	**14.55**	**3356**	**16.11**	**3463**	**17.69**	**3566**	**19.27**
8000	1303	2477	4.47	2615	5.89	2746	7.36	2870	8.86	**2991**	**10.42**	**3107**	**12.00**	**3220**	**13.62**	**3329**	**15.28**	**3434**	**16.95**	**3536**	**18.66**	**3636**	**20.40**	**3734**	**22.16**
9000	1466			2878	7.53	**2998**	**9.16**	**3112**	**10.82**	**3222**	**12.51**	**3330**	**14.25**	**3435**	**16.02**	**3537**	**17.83**	**3636**	**19.65**	**3733**	**21.51**				
10000	1629			**3146**	**9.50**	**3256**	**11.28**	**3362**	**13.10**	**3464**	**14.95**	**3563**	**16.83**	**3661**	**18.76**	**3756**	**20.70**								
11000	1792			**3418**	**11.83**	**3519**	**13.77**	**3617**	**15.74**	**3713**	**17.76**														

MAXIMUM RPM: Class I = 2302 Class II = 2930 Class III = 3767

182C MPLQN/MPLQS

Wheel Diameter: 18.25"
Outlet Area: 6.14 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.446 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	489	1220	0.77	1463	1.40	1679	2.08																		
3500	570	1340	0.96	1560	1.68	1761	2.44	1943	3.24																
4000	652	1466	1.20	1669	1.99	1853	2.83	2027	3.71	2185	4.62														
4500	733	1595	1.47	1786	2.36	1956	3.27	2117	4.23	2271	5.22	2412	6.23	2557	7.32										
5000	815	1728	1.80	1908	2.77	2067	3.77	2217	4.80	2361	5.86	2500	6.97	2630	8.10	2755	9.24	2893	10.53						
5500	896	1864	2.18	2033	3.24	2184	4.32	2324	5.42	2460	6.57	2591	7.75	2717	8.95	2839	10.20	**2953**	**11.44**	**3068**	**12.73**	**3197**	**14.17**		
6000	978	2001	2.62	2161	3.76	2306	4.93	2439	6.12	2566	7.34	2690	8.60	2810	9.88	2926	11.18	**3040**	**12.53**	**3147**	**13.87**	**3251**	**15.24**	**3358**	**16.67**
7000	1140	2282	3.69	2425	4.99	2557	6.34	2680	7.71	2796	9.10	2906	10.50	**3014**	**11.94**	**3120**	**13.40**	**3224**	**14.89**	**3326**	**16.40**	**3425**	**17.93**	**3523**	**19.50**
8000	1303	2567	5.07	2697	6.54	2817	8.04	**2931**	**9.59**	**3040**	**11.17**	**3143**	**12.74**	**3241**	**14.33**	**3337**	**15.94**	**3432**	**17.59**	**3525**	**19.26**	**3617**	**20.95**	**3707**	**22.65**
9000	1466			**2974**	**8.42**	**3085**	**10.09**	**3191**	**11.81**	**3291**	**13.55**	**3388**	**15.31**	**3482**	**17.09**	**3572**	**18.87**	**3659**	**20.67**	**3744**	**22.48**				
10000	1629			**3255**	**10.69**	**3358**	**12.53**	**3457**	**14.41**	**3551**	**16.32**	**3642**	**18.26**	**3730**	**20.21**										
11000	1792			**3540**	**13.39**	**3636**	**15.40**	**3728**	**17.44**																

MAXIMUM RPM: Class I = 2302 Class II = 2930 Class III = 3767

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

200 MPLFN/MPLFS

Wheel Diameter: 20.00"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.667 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	319	1013	0.69	1283	1.38																				
4000	425	1164	0.98	1401	1.83	1606	2.74	1788	3.70	1963	4.73														
5000	532	1336	1.36	1541	2.35	1729	3.43	1899	4.56	2055	5.72	2200	6.92	2339	8.16	2482	9.50								
6000	638	1520	1.86	1703	3.00	1868	4.21	2026	5.51	2174	6.85	2310	8.21	2441	9.61	2565	11.03	**2682**	**12.48**	**2797**	**13.97**	**2915**	**15.55**		
7000	744	1711	2.49	1877	3.78	2027	5.14	2168	6.57	2305	8.07	2436	9.61	2559	11.18	**2676**	**12.77**	**2789**	**14.38**	**2899**	**16.04**	**3004**	**17.71**	**3104**	**19.39**
8000	851	1908	3.27	2059	4.73	2198	6.24	2327	7.81	2450	9.43	2571	11.12	**2688**	**12.85**	**2802**	**14.64**	**2910**	**16.44**	**3013**	**18.24**	**3114**	**20.08**	**3211**	**21.92**
9000	957	2109	4.24	2247	5.85	2375	7.51	2496	9.23	2611	11.00	**2721**	**12.82**	**2829**	**14.69**	**2935**	**16.62**	**3039**	**18.59**	**3139**	**20.57**	**3237**	**22.61**	**3330**	**24.64**
10000	1063	2313	5.40	2440	7.18	2559	9.00	2672	10.86	**2780**	**12.78**	**2884**	**14.75**	**2983**	**16.75**	**3081**	**18.81**	**3178**	**20.92**	**3273**	**23.07**	**3366**	**25.24**		
11000	1170			2637	8.73	**2748**	**10.72**	**2854**	**12.74**	**2956**	**14.80**	**3054**	**16.92**	**3148**	**19.07**	**3240**	**21.27**	**3329**	**23.49**	**3418**	**25.78**				
12000	1276			**2836**	**10.52**	**2940**	**12.67**	**3040**	**14.85**	**3136**	**17.07**	**3229**	**19.33**	**3319**	**21.63**	**3406**	**23.97**								
13000	1382			**3038**	**12.57**	**3136**	**14.89**	**3230**	**17.24**	**3321**	**19.61**	**3409**	**22.02**												
14000	1489			**3242**	**14.92**	**3334**	**17.39**	**3423**	**19.91**																

MAXIMUM RPM: Class I = 2101 Class II = 2674 Class III = 3438

200 MPLQN/MPLQS

Wheel Diameter: 20.00"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 0.695 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	319	1015	0.71	1265	1.40																				
4000	425	1181	1.03	1398	1.88	1590	2.80	1765	3.77																
5000	532	1366	1.47	1557	2.47	1728	3.53	1885	4.65	2031	5.82	2170	7.04	2317	8.38										
6000	638	1562	2.05	1732	3.19	1887	4.42	2030	5.69	2164	7.01	2293	8.38	2414	9.78	2530	11.22	2647	12.73	**2770**	**14.34**				
7000	744	1765	2.78	1918	4.09	2059	5.46	2190	6.88	2315	8.37	2433	9.88	2546	11.43	2657	13.03	**2763**	**14.67**	**2863**	**16.30**	**2963**	**18.01**	**3063**	**19.77**
8000	851	1973	3.71	2112	5.18	2241	6.70	2363	8.28	2478	9.91	2589	11.59	**2695**	**13.30**	**2797**	**15.03**	**2896**	**16.81**	**2993**	**18.62**	**3089**	**20.49**	**3179**	**22.34**
9000	957	2184	4.84	2313	6.50	2431	8.17	2544	9.90	2651	11.67	**2755**	**13.50**	**2854**	**15.36**	**2951**	**17.27**	**3045**	**19.21**	**3135**	**21.15**	**3224**	**23.15**	**3311**	**25.17**
10000	1063	2399	6.22	2517	8.04	2627	9.89	**2732**	**11.77**	**2832**	**13.68**	**2929**	**15.66**	**3023**	**17.68**	**3114**	**19.73**	**3203**	**21.83**	**3290**	**23.96**	**3374**	**26.10**		
11000	1170			**2724**	**9.85**	**2828**	**11.89**	**2926**	**13.93**	**3020**	**16.00**	**3111**	**18.11**	**3200**	**20.28**	**3286**	**22.49**	**3370**	**24.73**						
12000	1276			**2935**	**11.97**	**3032**	**14.17**	**3124**	**16.38**	**3213**	**18.62**	**3298**	**20.87**	**3382**	**23.18**										
13000	1382			**3147**	**14.38**	**3238**	**16.76**	**3326**	**19.16**	**3410**	**21.57**														
14000	1489			**3362**	**17.16**																				

MAXIMUM RPM: Class I = 2101 Class II = 2674 Class III = 3438

200C MPLFN/MPLFS

Wheel Diameter: 20.00"
Outlet Area: 7.83 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 0.674 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	383	1015	0.70	1278	1.38																				
4000	511	1170	1.01	1401	1.85	1602	2.75	1786	3.71																
5000	638	1345	1.42	1549	2.41	1730	3.47	1897	4.59	2049	5.73	2195	6.92	2344	8.24										
6000	766	1533	1.96	1713	3.11	1878	4.32	2030	5.59	2173	6.91	2308	8.26	2434	9.62	2556	11.03	**2678**	**12.51**	**2803**	**14.11**				
7000	894	1728	2.66	1889	3.95	2039	5.31	2180	6.74	2312	8.21	2437	9.72	2558	11.28	2674	12.86	**2783**	**14.43**	**2889**	**16.04**	**2994**	**17.70**	**3098**	**19.42**
8000	1022	1929	3.53	2075	4.98	2211	6.49	2341	8.07	2464	9.68	2582	11.35	**2694**	**13.05**	**2803**	**14.80**	**2908**	**16.57**	**3011**	**18.37**	**3109**	**20.17**	**3204**	**21.99**
9000	1149	2134	4.60	2267	6.21	2392	7.88	2511	9.59	2626	11.37	**2737**	**13.19**	**2843**	**15.04**	**2946**	**16.94**	**3045**	**18.86**	**3141**	**20.82**	**3236**	**22.82**	**3328**	**24.83**
10000	1277	2342	5.90	2464	7.67	2580	9.50	**2690**	**11.37**	**2797**	**13.29**	**2900**	**15.25**	**3001**	**17.26**	**3098**	**19.30**	**3193**	**21.39**	**3284**	**23.49**	**3373**	**25.62**		
11000	1405			2665	9.39	**2772**	**11.37**	**2875**	**13.39**	**2975**	**15.46**	**3072**	**17.58**	**3166**	**19.73**	**3258**	**21.92**	**3348**	**24.15**	**3436**	**26.42**				
12000	1532			**2869**	**11.39**	**2969**	**13.53**	**3066**	**15.71**	**3159**	**17.93**	**3250**	**20.19**	3339	22.50	3426	24.84								
13000	1660			**3075**	**13.68**	**3169**	**15.99**	**3260**	**18.33**	**3348**	**20.71**	**3433**	**23.11**												
14000	1788			**3283**	**16.30**	**3371**	**18.76**																		

MAXIMUM RPM: Class I = 2101 Class II = 2674 Class III = 3438

200C MPLQN/MPLQS

Wheel Diameter: 20.00"
Outlet Area: 7.83 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 0.705 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	383	1011	0.72	1257	1.39																				
4000	511	1185	1.07	1392	1.89	1580	2.78	1760	3.74																
5000	638	1376	1.54	1557	2.53	1721	3.57	1875	4.65	2018	5.78	2160	6.98												
6000	766	1576	2.16	1740	3.33	1885	4.52	2022	5.76	2154	7.04	2280	8.36	2399	9.71	2514	11.10	2639	12.62						
7000	894	1783	2.95	1931	4.28	2066	5.66	2189	7.05	2307	8.49	2423	9.97	2534	11.47	2642	13.01	**2747**	**14.60**	**2845**	**16.17**	**2944**	**17.81**	**3050**	**19.57**
8000	1022	1995	3.96	2130	5.45	2254	7.00	2370	8.58	2478	10.17	2583	11.80	**2685**	**13.46**	**2785**	**15.15**	**2882**	**16.86**	**2978**	**18.63**	**3071**	**20.42**	**3160**	**22.22**
9000	1149	2210	5.20	2335	6.87	2450	8.58	2558	10.34	2660	12.10	**2757**	**13.89**	**2851**	**15.71**	**2943**	**17.56**	**3033**	**19.43**	**3122**	**21.34**	**3209**	**23.26**	**3295**	**25.22**
10000	1277	2428	6.71	2543	8.54	2650	10.42	**2751**	**12.34**	**2848**	**14.30**	**2940**	**16.26**	**3028**	**18.24**	**3114**	**20.25**	**3197**	**22.27**	**3280**	**24.34**	**3361**	**26.42**		
11000	1405			**2754**	**10.51**	**2855**	**12.56**	**2950**	**14.65**	**3041**	**16.78**	**3128**	**18.92**	**3213**	**21.09**	**3294**	**23.26**	**3373**	**25.45**						
12000	1532			**2968**	**12.81**	**3062**	**15.01**	**3152**	**17.27**	**3238**	**19.56**	**3321**	**21.89**	**3401**	**24.22**										
13000	1660			**3185**	**15.48**	**3273**	**17.85**	**3358**	**20.26**																
14000	1788			**3403**	**18.52**																				

MAXIMUM RPM: Class I = 2101 Class II = 2674 Class III = 3438

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

222 MPLFN/MPLFS

Wheel Diameter: 22.00"
Outlet Area: 11.64 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 1.14 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	430	1052	1.22	1264	2.29	1447	3.42	1611	4.62	1766	5.89														
6000	516	1177	1.60	1364	2.80	1536	4.11	1690	5.47	1833	6.89	1964	8.33	2093	9.86										
7000	601	1308	2.07	1479	3.42	1634	4.86	1781	6.41	1915	7.98	2041	9.59	2161	11.26	2273	12.95	2383	14.70	**2496**	**16.56**				
8000	687	1445	2.64	1602	4.13	1744	5.73	1878	7.40	2007	9.15	2128	10.96	2241	12.77	2350	14.63	**2455**	**16.53**	**2554**	**18.44**	**2650**	**20.40**	**2747**	**22.44**
9000	773	1586	3.32	1731	4.98	1863	6.71	1986	8.52	2106	10.42	2221	12.38	2331	14.38	**2436**	**16.43**	**2535**	**18.47**	**2632**	**20.56**	**2726**	**22.69**	**2817**	**24.86**
10000	859	1730	4.14	1864	5.95	1988	7.84	2104	9.80	2214	11.82	2321	13.92	**2426**	**16.08**	**2528**	**18.31**	**2625**	**20.56**	**2717**	**22.80**	**2807**	**25.09**	**2895**	**27.41**
11000	945	1876	5.10	2001	7.08	2117	9.11	2227	11.22	2330	13.38	**2430**	**15.62**	**2528**	**17.92**	**2624**	**20.27**	**2718**	**22.69**	**2809**	**25.14**	**2897**	**27.64**	**2981**	**30.12**
12000	1031	2023	6.22	2140	8.36	2250	10.56	2353	12.80	**2452**	**15.12**	**2547**	**17.50**	**2638**	**19.92**	**2728**	**22.42**	**2817**	**24.97**	**2905**	**27.60**	**2990**	**30.24**	**3072**	**32.90**
13000	1117	2172	7.51	2282	9.82	2385	12.17	**2484**	**14.58**	**2578**	**17.04**	**2668**	**19.56**	**2755**	**22.13**	**2840**	**24.76**	**2924**	**27.46**	**3006**	**30.19**	**3088**	**33.00**		
14000	1203			**2426**	**11.47**	**2523**	**13.97**	**2617**	**16.54**	**2707**	**19.16**	**2793**	**21.81**	**2877**	**24.55**	**2958**	**27.32**	**3037**	**30.14**						
15000	1289			**2571**	**13.31**	**2664**	**15.99**	**2753**	**18.72**	**2838**	**21.47**	**2921**	**24.29**	**3002**	**27.17**	**3080**	**30.10**								
16000	1375			**2718**	**15.37**	**2806**	**18.22**	**2891**	**21.11**	**2973**	**24.03**	**3052**	**26.99**												

MAXIMUM RPM: Class I = 1888 Class II = 2403 Class III = 3090

222 MPLQN/MPLQS

Wheel Diameter: 22.00"
Outlet Area: 11.64 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 1.19 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	430	1068	1.30	1262	2.35	1434	3.49	1589	4.70																
6000	516	1202	1.73	1377	2.93	1533	4.22	1677	5.59	1809	7.00	1939	8.50												
7000	601	1342	2.26	1501	3.62	1645	5.07	1777	6.57	1903	8.15	2021	9.78	2132	11.45	2243	13.20	2361	15.09						
8000	687	1488	2.93	1633	4.43	1766	6.03	1890	7.70	2006	9.42	2117	11.20	2224	13.03	2325	14.89	**2422**	**16.80**	**2519**	**18.78**	**2619**	**20.86**		
9000	773	1637	3.73	1771	5.40	1894	7.14	2010	8.97	2120	10.85	2224	12.78	2324	14.75	**2421**	**16.78**	**2515**	**18.84**	**2605**	**20.95**	**2692**	**23.09**	**2777**	**25.26**
10000	859	1788	4.69	1913	6.53	2028	8.43	2136	10.39	2240	12.43	2338	14.51	**2433**	**16.64**	**2525**	**18.82**	**2613**	**21.02**	**2700**	**23.28**	**2786**	**25.61**	**2867**	**27.92**
11000	945	1942	5.82	2058	7.84	2166	9.89	2268	12.01	2365	14.18	**2459**	**16.43**	**2549**	**18.71**	**2637**	**21.06**	**2721**	**23.41**	**2803**	**25.81**	**2883**	**28.24**	**2962**	**30.73**
12000	1031	2097	7.14	2206	9.34	2307	11.55	2403	13.81	**2496**	**16.15**	**2585**	**18.54**	**2671**	**20.99**	**2754**	**23.47**	**2835**	**26.00**	**2914**	**28.56**	**2990**	**31.13**	**3065**	**33.76**
13000	1117			2356	11.04	**2452**	**13.44**	**2543**	**15.86**	**2630**	**18.33**	**2715**	**20.87**	**2797**	**23.47**	**2876**	**26.09**	**2954**	**28.79**	**3029**	**31.49**				
14000	1203			**2508**	**12.98**	**2599**	**15.55**	**2685**	**18.14**	**2768**	**20.76**	**2848**	**23.43**	**2927**	**26.18**	**3003**	**28.97**	**3077**	**31.79**						
15000	1289			**2661**	**15.15**	**2747**	**17.89**	**2830**	**20.67**	**2909**	**23.46**	**2985**	**26.26**	**3060**	**29.15**										
16000	1375			**2815**	**17.57**	**2897**	**20.49**	**2976**	**23.44**	**3052**	**26.41**														

MAXIMUM RPM: Class I = 1888 Class II = 2403 Class III = 3090

222C MPLFN/MPLFS

Wheel Diameter: 22.00"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 1.15 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	532	1058	1.27	1265	2.32	1444	3.43	1608	4.63																
6000	638	1184	1.67	1371	2.87	1536	4.15	1688	5.50	1826	6.88	1962	8.36												
7000	744	1319	2.18	1488	3.53	1641	4.97	1781	6.47	1914	8.04	2036	9.62	2153	11.25	2270	12.98	2389	14.85						
8000	851	1459	2.81	1612	4.30	1754	5.89	1886	7.55	2009	9.27	2127	11.05	2239	12.85	2344	14.66	**2446**	**16.51**	**2548**	**18.46**	**2651**	**20.53**	**2757**	**22.72**
9000	957	1602	3.56	1743	5.21	1874	6.95	1998	8.76	2114	10.63	2225	12.56	2331	14.53	**2434**	**16.55**	**2532**	**18.57**	**2626**	**20.62**	**2717**	**22.70**	**2807**	**24.83**
10000	1063	1749	4.47	1879	6.28	2000	8.16	2116	10.12	2226	12.14	2332	14.23	**2432**	**16.34**	**2529**	**18.51**	**2624**	**20.74**	**2716**	**22.99**	**2804**	**25.24**	**2889**	**27.50**
11000	1170	1898	5.54	2018	7.50	2132	9.55	2240	11.66	2344	13.83	**2444**	**16.05**	**2540**	**18.32**	**2633**	**20.65**	**2723**	**23.02**	**2810**	**25.42**	**2895**	**27.86**	**2979**	**30.34**
12000	1276	2048	6.78	2161	8.92	2267	11.11	2368	13.36	**2467**	**15.70**	**2562**	**18.07**	**2654**	**20.50**	**2743**	**22.98**	**2829**	**25.49**	**2912**	**28.03**	**2993**	**30.62**	**3073**	**33.26**
13000	1382	2200	8.23	2306	10.53	**2406**	**12.89**	**2501**	**15.28**	**2594**	**17.76**	**2684**	**20.29**	**2771**	**22.85**	**2857**	**25.49**	**2940**	**28.17**	**3020**	**30.86**				
14000	1489			**2452**	**12.35**	**2547**	**14.87**	**2637**	**17.42**	**2725**	**20.05**	**2810**	**22.71**	**2894**	**25.45**	**2975**	**28.22**	**3055**	**31.05**						
15000	1595			**2601**	**14.41**	**2690**	**17.08**	**2776**	**19.80**	**2860**	**22.59**	**2941**	**25.41**	**3020**	**28.27**										
16000	1701			**2750**	**16.70**	**2835**	**19.54**	**2917**	**22.42**	**2997**	**25.37**	**3074**	**28.33**												

MAXIMUM RPM: Class I = 1888 Class II = 2403 Class III = 3090

222C MPLQN/MPLQS

Wheel Diameter: 22.00"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 1.20 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	532	1072	1.35	1257	2.37	1425	3.47	1583	4.66																
6000	638	1210	1.81	1375	3.00	1526	4.25	1667	5.57	1797	6.93														
7000	744	1354	2.39	1506	3.75	1641	5.16	1770	6.63	1893	8.15	2009	9.73	2118	11.33	2237	13.10								
8000	851	1502	3.10	1643	4.64	1769	6.22	1885	7.84	1998	9.51	2107	11.23	2212	13.01	2311	14.80	**2406**	**16.62**	**2507**	**18.60**				
9000	957	1654	3.97	1784	5.67	1902	7.43	2011	9.22	2114	11.04	2215	12.92	2313	14.83	**2408**	**16.78**	**2501**	**18.80**	**2589**	**20.82**	**2674**	**22.86**	**2760**	**24.98**
10000	1063	1808	5.01	1929	6.87	2040	8.81	2144	10.79	2240	12.76	2334	14.80	**2425**	**16.88**	**2514**	**18.98**	**2601**	**21.11**	**2686**	**23.29**	**2770**	**25.54**	**2850**	**27.79**
11000	1170	1965	6.25	2078	8.28	2182	10.38	2280	12.53	2372	14.69	**2460**	**16.88**	**2545**	**19.11**	**2628**	**21.36**	**2711**	**23.69**	**2791**	**26.01**	**2870**	**28.37**	**2947**	**30.76**
12000	1276	2123	7.70	2228	9.89	2327	12.17	**2420**	**14.49**	**2508**	**16.83**	**2592**	**19.19**	**2673**	**21.59**	**2751**	**24.00**	**2828**	**26.46**	**2904**	**28.96**	**2979**	**31.49**	**3052**	**34.02**
13000	1382			2381	11.75	**2474**	**14.17**	**2562**	**16.65**	**2647**	**19.20**	**2728**	**21.75**	**2805**	**24.30**	**2880**	**26.89**	**2952**	**29.48**	**3024**	**32.14**				
14000	1489			**2535**	**13.85**	**2624**	**16.45**	**2708**	**19.10**	**2788**	**21.79**	**2865**	**24.51**	**2940**	**27.26**	**3013**	**30.04**	**3082**	**32.79**						
15000	1595			**2691**	**16.22**	**2775**	**18.98**	**2855**	**21.78**	**2932**	**24.65**	**3006**	**27.55**	**3078**	**30.48**										
16000	1701			**2848**	**18.89**	**2928**	**21.81**	**3005**	**24.79**	**3078**	**27.80**														

MAXIMUM RPM: Class I = 1888 Class II = 2403 Class III = 3090

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

245 MPLFN/MPLFS

Wheel Diameter: 24.50"
Outlet Area: 14.11 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 1.84 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	354	858	1.13	1068	2.23	1244	3.40																		
6000	425	942	1.43	1134	2.67	1300	4.01	1448	5.41	1590	6.91														
7000	496	1034	1.78	1207	3.16	1365	4.67	1506	6.23	1635	7.84	1756	9.53	1880	11.35										
8000	567	1131	2.21	1290	3.73	1436	5.38	1571	7.12	1694	8.89	1811	10.73	1919	12.60	2024	14.55	2132	16.62						
9000	638	1231	2.71	1379	4.38	1513	6.16	1641	8.06	1760	10.01	1871	12.01	1976	14.03	2077	16.13	2172	18.25	**2265**	**20.43**	**2360**	**22.72**		
10000	709	1334	3.31	1472	5.12	1597	7.04	1715	9.05	1830	11.18	1938	13.36	2039	15.56	2136	17.81	**2229**	**20.08**	**2319**	**22.42**	**2404**	**24.76**	**2488**	**27.18**
11000	779	1438	3.99	1568	5.96	1687	8.03	1797	10.17	1904	12.43	2008	14.77	2107	17.16	**2200**	**19.56**	**2290**	**22.01**	**2377**	**24.50**	**2461**	**27.00**	**2543**	**29.59**
12000	850	1545	4.78	1667	6.91	1780	9.12	1884	11.41	1984	13.78	2082	16.26	2177	18.80	**2269**	**21.40**	**2356**	**24.02**	**2440**	**26.67**	**2521**	**29.34**	**2600**	**32.04**
14000	992	1763	6.73	1871	9.17	1972	11.66	2068	14.25	2159	16.91	**2246**	**19.63**	**2331**	**22.44**	**2415**	**25.33**	**2497**	**28.26**	**2577**	**31.25**	**2655**	**34.30**	**2731**	**37.40**
16000	1134	1984	9.20	2081	11.96	2174	14.79	**2261**	**17.66**	**2345**	**20.60**	**2426**	**23.62**	**2504**	**26.71**	**2580**	**29.86**	**2654**	**33.05**	**2727**	**36.30**	**2800**	**39.65**		
18000	1275			**2296**	**15.37**	**2381**	**18.52**	**2461**	**21.69**	**2539**	**24.94**	**2614**	**28.23**	**2687**	**31.60**	**2758**	**35.04**								
20000	1417			**2515**	**19.47**	**2592**	**22.93**	**2667**	**26.44**	**2739**	**29.98**														

MAXIMUM RPM: Class I = 1715 Class II = 2183 Class III = 2806

245 MPLQN/MPLQS

Wheel Diameter: 24.50"
Outlet Area: 14.11 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 1.91 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	354	864	1.18	1057	2.26	1229	3.46																		
6000	425	956	1.51	1131	2.73	1286	4.06	1428	5.49																
7000	496	1054	1.91	1215	3.28	1358	4.76	1490	6.32	1611	7.94	1737	9.73												
8000	567	1157	2.39	1306	3.92	1439	5.54	1562	7.25	1679	9.04	1786	10.87	1892	12.79	2004	14.87								
9000	638	1264	2.98	1401	4.64	1526	6.42	1642	8.28	1751	10.20	1855	12.19	1953	14.23	2047	16.33	2142	18.53	**2241**	**20.85**				
10000	709	1373	3.67	1501	5.49	1618	7.40	1728	9.42	1831	11.49	1929	13.62	2024	15.82	2115	18.07	**2201**	**20.36**	**2285**	**22.69**	**2370**	**25.13**	**2458**	**27.68**
11000	779	1483	4.46	1604	6.45	1714	8.51	1818	10.67	1916	12.89	2009	15.16	2099	17.51	**2186**	**19.90**	**2271**	**22.36**	**2352**	**24.86**	**2429**	**27.36**	**2506**	**29.95**
12000	850	1596	5.39	1709	7.54	1813	9.74	1911	12.04	2005	14.42	2094	16.85	2180	19.34	**2263**	**21.88**	**2343**	**24.45**	**2422**	**27.10**	**2499**	**29.80**	**2572**	**32.50**
14000	992	1825	7.67	1925	10.15	2019	12.67	2108	15.26	**2193**	**17.91**	**2275**	**20.65**	**2354**	**23.44**	**2431**	**26.30**	**2505**	**29.17**	**2577**	**32.09**	**2648**	**35.08**	**2717**	**38.09**
16000	1134			2148	13.42	**2233**	**16.27**	**2314**	**19.16**	**2392**	**22.10**	**2468**	**25.14**	**2541**	**28.22**	**2612**	**31.36**	**2681**	**34.55**	**2748**	**37.77**				
18000	1275			**2374**	**17.40**	**2452**	**20.59**	**2527**	**23.82**	**2599**	**27.08**	**2669**	**30.39**	**2736**	**33.72**	**2803**	**37.18**								
20000	1417			**2604**	**22.22**	**2676**	**25.76**	**2745**	**29.32**																

MAXIMUM RPM: Class I = 1715 Class II = 2183 Class III = 2806

245C MPLFN/MPLFS

Wheel Diameter: 24.50"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 1.86 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	532	864	1.17	1069	2.26	1249	3.46																		
6000	638	950	1.49	1138	2.73	1301	4.06	1450	5.48																
7000	744	1043	1.87	1216	3.26	1369	4.77	1507	6.32	1635	7.93	1764	9.71												
8000	851	1142	2.34	1301	3.88	1444	5.53	1575	7.26	1697	9.04	1810	10.85	1921	12.76	2035	14.85								
9000	957	1245	2.90	1391	4.59	1525	6.38	1649	8.27	1765	10.22	1874	12.20	1977	14.22	2076	16.29	2175	18.48	**2277**	**20.86**				
10000	1063	1350	3.56	1485	5.39	1611	7.33	1729	9.37	1838	11.45	1943	13.63	2044	15.85	2138	18.06	**2229**	**20.32**	**2318**	**22.65**	**2407**	**25.09**	**2498**	**27.68**
11000	1170	1458	4.33	1584	6.32	1701	8.39	1813	10.58	1918	12.83	2017	15.13	2113	17.51	**2206**	**19.95**	**2294**	**22.37**	**2378**	**24.81**	**2460**	**27.30**	**2541**	**29.86**
12000	1276	1567	5.22	1685	7.36	1795	9.58	1901	11.92	2001	14.31	2097	16.78	**2188**	**19.29**	**2276**	**21.86**	**2362**	**24.49**	**2446**	**27.17**	**2525**	**29.81**	**2602**	**32.49**
14000	1489	1789	7.40	1894	9.86	1993	12.40	2087	15.01	2178	17.70	**2266**	**20.46**	**2351**	**23.28**	**2433**	**26.15**	**2512**	**29.07**	**2589**	**32.05**	**2664**	**35.07**	**2738**	**38.14**
16000	1701			2110	13.00	**2199**	**15.84**	**2284**	**18.74**	**2367**	**21.73**	**2447**	**24.77**	**2526**	**27.90**	**2602**	**31.06**	**2676**	**34.27**	**2749**	**37.56**				
18000	1914			**2330**	**16.83**	**2411**	**19.98**	**2489**	**23.19**	**2565**	**26.48**	**2639**	**29.83**	**2711**	**33.23**	**2782**	**36.70**								
20000	2127			**2553**	**21.44**	**2628**	**24.93**	**2700**	**28.46**	**2770**	**32.04**														

MAXIMUM RPM: Class I = 1715 Class II = 2183 Class III = 2806

245C MPLQN/MPLQS

Wheel Diameter: 24.50"
Outlet Area: 9.40 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 1.94 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	532	865	1.21	1055	2.28																				
6000	638	962	1.58	1130	2.79	1283	4.09	1428	5.51																
7000	744	1064	2.02	1217	3.39	1356	4.83	1486	6.36	1607	7.96														
8000	851	1170	2.55	1312	4.09	1439	5.69	1560	7.36	1674	9.10	1780	10.89	1891	12.83										
9000	957	1279	3.18	1412	4.89	1530	6.65	1641	8.47	1748	10.36	1851	12.31	1947	14.29	2040	16.33	2143	18.61						
10000	1063	1391	3.93	1515	5.81	1627	7.74	1730	9.72	1830	11.76	1926	13.84	2019	15.98	2109	18.20	**2193**	**20.40**	**2278**	**22.71**	**2370**	**25.22**		
11000	1170	1504	4.80	1621	6.85	1727	8.96	1825	11.10	1918	13.29	2008	15.53	2096	17.82	2182	20.17	**2265**	**22.56**	**2345**	**25.00**	**2421**	**27.43**	**2498**	**29.97**
12000	1276	1619	5.83	1729	8.03	1830	10.32	1924	12.64	2012	14.99	2096	17.36	2180	19.84	**2261**	**22.32**	**2340**	**24.85**	**2417**	**27.42**	**2493**	**30.07**	**2565**	**32.71**
14000	1489	1852	8.35	1951	10.88	2042	13.49	2128	16.16	**2209**	**18.84**	**2287**	**21.58**	**2361**	**24.32**	**2434**	**27.12**	**2505**	**29.95**	**2576**	**32.85**	**2645**	**35.76**	**2713**	**38.71**
16000	1701			2178	14.46	**2261**	**17.38**	**2340**	**20.38**	**2415**	**23.42**	**2487**	**26.48**	**2557**	**29.59**	**2624**	**32.70**	**2689**	**35.84**	**2753**	**39.03**				
18000	1914			**2409**	**18.86**	**2485**	**22.10**	**2558**	**25.41**	**2628**	**28.80**	**2695**	**32.21**	**2760**	**35.65**										
20000	2127			**2643**	**24.19**	**2714**	**27.79**	**2781**	**31.40**																

MAXIMUM RPM: Class I = 1715 Class II = 2183 Class III = 2806

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

270 MPLFN/MPLFS

Wheel Diameter: 27.00" **Fan Efficiency Grade: FEG75**
Outlet Area: 17.14 ft² **Max. BHP = 3.03 x (RPM / 1000)³**

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	292	713	1.10	920	2.23																				
6500	379	794	1.47	981	2.85	1142	4.32	1283	5.86																
8000	467	890	1.95	1055	3.54	1204	5.27	1338	7.06	1459	8.91	1572	10.81												
9500	554	995	2.54	1142	4.35	1277	6.29	1402	8.33	1518	10.44	1627	12.61	1728	14.81	1823	17.03	1919	19.39						
11000	642	1106	3.29	1238	5.29	1360	7.44	1476	9.71	1585	12.06	1688	14.47	1786	16.93	1880	19.46	1968	22.00	**2051**	**24.54**	**2133**	**27.16**	**2216**	**29.90**
12500	729	1220	4.19	1340	6.40	1453	8.77	1559	11.24	1661	13.82	1758	16.46	1851	19.17	1940	21.92	**2026**	**24.73**	**2109**	**27.59**	**2189**	**30.49**	**2265**	**33.40**
14000	817	1337	5.27	1448	7.71	1552	10.28	1650	12.96	1744	15.73	1836	18.62	1924	21.55	**2009**	**24.56**	**2091**	**27.61**	**2170**	**30.68**	**2248**	**33.86**	**2323**	**37.05**
16000	933	1494	7.00	1597	9.79	1691	12.63	1780	15.57	1866	18.62	1950	21.78	**2031**	**25.00**	**2111**	**28.33**	**2188**	**31.69**	**2263**	**35.11**	**2336**	**38.57**	**2407**	**42.07**
18000	1050	1654	9.14	1750	12.28	1837	15.43	1918	18.62	**1998**	**21.97**	**2075**	**25.39**	**2150**	**28.90**	**2223**	**32.47**	**2295**	**36.12**	**2366**	**39.86**	**2435**	**43.63**	**2503**	**47.48**
20000	1167	1817	11.73	1906	15.22	**1987**	**18.70**	**2063**	**22.21**	**2136**	**25.79**	**2208**	**29.49**	**2278**	**33.28**	**2346**	**37.13**	**2413**	**41.07**	**2478**	**45.03**	**2543**	**49.10**		
22000	1284			**2063**	**18.63**	**2140**	**22.47**	**2212**	**26.32**	**2280**	**30.18**	**2346**	**34.11**	**2412**	**38.19**	**2476**	**42.32**	**2538**	**46.49**						
24000	1400			**2223**	**22.61**	**2296**	**26.82**	**2364**	**31.00**	**2428**	**35.16**	**2490**	**39.38**												

MAXIMUM RPM: Class I = 1556 Class II = 1981 Class III = 2546

270 MPLQN/MPLQS

Wheel Diameter: 27.00" **Fan Efficiency Grade: FEG71**
Outlet Area: 17.14 ft² **Max. BHP = 3.22 x (RPM / 1000)³**

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	292	711	1.15																						
6500	379	810	1.60	973	2.96	1112	4.39																		
8000	467	922	2.18	1063	3.77	1193	5.46	1308	7.20																
9500	554	1041	2.93	1167	4.73	1282	6.66	1393	8.68	1494	10.74	1586	12.80	1691	15.11										
11000	642	1165	3.88	1280	5.89	1384	8.05	1483	10.30	1579	12.62	1670	14.98	1754	17.38	1833	19.77	1919	22.36						
12500	729	1291	5.04	1397	7.28	1494	9.65	1584	12.13	1671	14.68	1756	17.29	1838	19.95	1918	22.70	**1990**	**25.38**	**2059**	**28.07**	**2131**	**30.90**	**2214**	**34.04**
14000	817	1418	6.43	1519	8.95	1608	11.50	1692	14.19	1772	16.98	1850	19.83	1927	22.74	**2002**	**25.70**	**2075**	**28.72**	**2145**	**31.76**	**2211**	**34.80**	**2273**	**37.80**
16000	933	1589	8.70	1684	11.59	1766	14.45	1844	17.41	1918	20.49	**1989**	**23.66**	**2058**	**26.89**	**2126**	**30.16**	**2193**	**33.48**	**2259**	**36.85**	**2323**	**40.23**	**2387**	**43.73**
18000	1050	1761	11.48	1852	14.79	1930	18.01	**2001**	**21.24**	**2070**	**24.57**	**2137**	**28.04**	**2200**	**31.53**	**2262**	**35.12**	**2323**	**38.76**	**2384**	**42.47**	**2444**	**46.21**	**2503**	**49.97**
20000	1167	1936	14.88	**2022**	**18.60**	**2097**	**22.21**	**2164**	**25.77**	**2228**	**29.39**	**2290**	**33.09**	**2350**	**36.87**	**2408**	**40.73**	**2465**	**44.69**	**2520**	**48.66**				
22000	1284			**2193**	**23.05**	**2265**	**27.07**	**2330**	**31.02**	**2390**	**34.93**	**2448**	**38.92**	**2504**	**42.94**										
24000	1400			**2365**	**28.23**	**2434**	**32.65**	**2497**	**36.99**																

MAXIMUM RPM: Class I = 1556 Class II = 1981 Class III = 2546

270C MPLFN/MPLFS

Wheel Diameter: 27.00" **Fan Efficiency Grade: FEG71**
Outlet Area: 11.64 ft² **Max. BHP = 2.99 x (RPM / 1000)³**

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	430	726	1.14	936	2.32																				
6500	558	810	1.57	998	2.95	1161	4.48	1304	6.10																
8000	687	908	2.10	1076	3.72	1224	5.44	1359	7.29	1483	9.24	1598	11.25												
9500	816	1015	2.77	1165	4.63	1301	6.58	1426	8.63	1543	10.79	1653	13.04	1756	15.35	1853	17.71	1952	20.24						
11000	945	1129	3.61	1263	5.70	1388	7.90	1504	10.17	1613	12.52	1717	14.98	1815	17.50	1910	20.13	**2000**	**22.79**	**2085**	**25.48**	**2169**	**28.28**	**2254**	**31.20**
12500	1074	1246	4.63	1368	6.97	1482	9.39	1590	11.91	1693	14.50	1790	17.13	1884	19.89	1973	22.68	**2060**	**25.59**	**2143**	**28.53**	**2225**	**31.59**	**2302**	**34.62**
14000	1203	1366	5.87	1478	8.43	1583	11.11	1684	13.87	1780	16.71	1872	19.59	1960	22.51	**2045**	**25.51**	**2128**	**28.63**	**2207**	**31.76**	**2285**	**35.00**	**2360**	**38.27**
16000	1375	1530	7.91	1631	10.78	1725	13.75	1816	16.82	1905	19.99	**1990**	**23.20**	**2072**	**26.46**	**2152**	**29.77**	**2229**	**33.11**	**2304**	**36.52**	**2377**	**40.01**	**2449**	**43.60**
18000	1547	1696	10.43	1788	13.61	1875	16.91	1957	20.27	**2038**	**23.73**	**2117**	**27.26**	**2194**	**30.86**	**2269**	**34.52**	**2341**	**38.18**	**2412**	**41.91**	**2481**	**45.66**		
20000	1718			1948	16.98	**2029**	**20.60**	**2105**	**24.27**	**2180**	**28.07**	**2252**	**31.88**	**2324**	**35.81**	**2394**	**39.77**	**2462**	**43.77**	**2529**	**47.84**				
22000	1890			**2112**	**20.99**	**2186**	**24.89**	**2258**	**28.91**	**2327**	**32.99**	**2394**	**37.13**	**2461**	**41.37**	**2526**	**45.63**								
24000	2062			**2277**	**25.64**	**2346**	**29.85**	**2414**	**34.20**	**2478**	**38.56**	**2541**	**43.02**												

MAXIMUM RPM: Class I = 1556 Class II = 1981 Class III = 2546

270C MPLQN/MPLQS

Wheel Diameter: 27.00" **Fan Efficiency Grade: FEG71**
Outlet Area: 11.64 ft² **Max. BHP = 3.20 x (RPM / 1000)³**

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	430	717	1.18	906	2.28																				
6500	558	820	1.68	981	3.02	1123	4.42																		
8000	687	935	2.31	1075	3.93	1204	5.58	1322	7.30	1435	9.10														
9500	816	1054	3.11	1182	4.99	1296	6.92	1405	8.88	1508	10.90	1603	12.95	1699	15.13										
11000	945	1178	4.13	1297	6.24	1401	8.46	1499	10.70	1593	12.94	1685	15.27	1771	17.61	1853	20.01	1934	22.46	**2023**	**25.20**				
12500	1074	1304	5.38	1416	7.75	1514	10.20	1603	12.73	1689	15.28	1773	17.83	1854	20.39	1935	23.09	**2010**	**25.76**	**2082**	**28.45**	**2153**	**31.20**	**2226**	**34.08**
14000	1203	1431	6.88	1537	9.51	1630	12.21	1714	14.98	1794	17.84	1871	20.69	1947	23.55	**2020**	**26.39**	**2093**	**29.33**	**2164**	**32.31**	**2232**	**35.31**	**2297**	**38.32**
16000	1375	1603	9.35	1703	12.36	1789	15.38	1869	18.47	1943	21.64	**2013**	**24.86**	**2082**	**28.16**	**2149**	**31.41**	**2216**	**34.70**	**2280**	**37.93**	**2344**	**41.23**	**2407**	**44.58**
18000	1547	1777	12.42	1871	15.80	1953	19.19	**2028**	**22.61**	**2099**	**26.10**	**2165**	**29.64**	**2229**	**33.28**	**2290**	**36.92**	**2350**	**40.57**	**2411**	**44.30**	**2470**	**47.97**	**2528**	**51.63**
20000	1718	1953	16.15	**2041**	**19.91**	**2120**	**23.69**	**2191**	**27.46**	**2257**	**31.24**	**2321**	**35.11**	**2382**	**39.05**	**2440**	**43.04**	**2496**	**47.07**						
22000	1890			**2213**	**24.77**	**2288**	**28.91**	**2356**	**33.04**	**2420**	**37.21**	**2480**	**41.39**	**2538**	**45.61**										
24000	2062			**2386**	**30.43**	**2458**	**34.97**	**2524**	**39.49**																

MAXIMUM RPM: Class I = 1556 Class II = 1981 Class III = 2546

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

300 MPLFN/MPLFS

Wheel Diameter: 30.00"
Outlet Area: 21.16 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 5.13 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	354	692	1.67	866	3.29	1013	5.02																		
9000	425	759	2.11	917	3.95	1056	5.94	1179	8.00	1291	10.13														
10500	496	832	2.63	975	4.69	1104	6.90	1222	9.22	1331	11.63	1429	14.05	1525	16.60										
12000	567	910	3.27	1040	5.52	1160	7.97	1271	10.53	1374	13.16	1472	15.90	1563	18.67	1647	21.44	1731	24.35						
13500	638	991	4.02	1110	6.47	1221	9.13	1325	11.90	1424	14.81	1517	17.77	1605	20.79	1690	23.91	1769	27.02	1844	30.15	1918	33.37	1994	36.78
15000	709	1074	4.90	1184	7.55	1287	10.41	1385	13.42	1478	16.52	1567	19.74	1652	23.02	1733	26.35	**1811**	**29.74**	**1887**	**33.23**	**1958**	**36.69**	**2026**	**40.16**
16500	780	1158	5.91	1262	8.81	1358	11.86	1449	15.05	1537	18.38	1622	21.83	1703	25.34	1781	28.92	**1856**	**32.54**	**1929**	**36.24**	**2000**	**40.01**	**2069**	**43.85**
18000	851	1244	7.08	1342	10.22	1432	13.47	1518	16.88	1601	20.43	1681	24.07	1759	27.82	**1834**	**31.64**	**1906**	**35.50**	**1977**	**39.47**	**2045**	**43.44**	**2111**	**47.46**
21000	992	1417	9.91	1507	13.59	1587	17.25	1664	21.05	1739	25.02	**1811**	**29.08**	**1881**	**33.23**	**1950**	**37.51**	**2017**	**41.84**	**2082**	**46.21**	**2146**	**50.69**	**2209**	**55.28**
24000	1134	1594	13.52	1676	17.72	1750	21.89	**1820**	**26.12**	**1887**	**30.44**	**1953**	**34.92**	**2017**	**39.49**	**2079**	**44.13**	**2141**	**48.92**	**2201**	**53.73**	**2261**	**58.69**		
27000	1276			**1848**	**22.73**	**1917**	**27.42**	**1982**	**32.14**	**2043**	**36.86**	**2103**	**41.71**	**2163**	**46.74**	**2220**	**51.77**	**2277**	**56.96**						
30000	1418			**2022**	**28.70**	**2087**	**33.94**	**2148**	**39.18**	**2205**	**44.37**	**2261**	**49.67**												

MAXIMUM RPM: Class I = 1401 Class II = 1783 Class III = 2291

300 MPLQN/MPLQS

Wheel Diameter: 30.00"
Outlet Area: 21.16 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 5.45 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	354	702	1.80	854	3.40																				
9000	425	781	2.33	916	4.15	1038	6.10	1151	8.15																
10500	496	865	2.97	987	5.03	1100	7.22	1203	9.49	1296	11.79														
12000	567	953	3.77	1065	6.03	1167	8.46	1265	11.00	1356	13.59	1438	16.20	1523	18.94										
13500	638	1044	4.74	1147	7.19	1241	9.85	1331	12.62	1417	15.45	1500	18.39	1575	21.31	1647	24.27	1726	27.47						
15000	709	1135	5.86	1232	8.55	1321	11.42	1403	14.41	1484	17.51	1562	20.67	1637	23.89	1708	27.16	1773	30.39	**1838**	**33.71**	**1909**	**37.26**		
16500	780	1227	7.17	1320	10.13	1403	13.18	1481	16.40	1555	19.71	1628	23.11	1700	26.60	1769	30.12	**1836**	**33.72**	**1898**	**37.28**	**1957**	**40.86**	**2015**	**44.44**
18000	851	1320	8.68	1410	11.93	1488	15.19	1562	18.60	1632	22.15	1700	25.79	1767	29.49	**1833**	**33.27**	**1897**	**37.08**	**1959**	**40.94**	**2020**	**44.92**	**2076**	**48.79**
21000	992	1508	12.39	1592	16.22	1664	19.98	1730	23.77	**1795**	**27.75**	**1856**	**31.81**	**1916**	**36.02**	**1974**	**40.25**	**2031**	**44.51**	**2088**	**48.87**	**2144**	**53.27**	**2200**	**57.80**
24000	1134	1698	17.11	1777	21.57	**1845**	**25.89**	**1906**	**30.15**	**1965**	**34.53**	**2022**	**39.01**	**2077**	**43.60**	**2130**	**48.27**	**2182**	**53.05**	**2233**	**57.87**	**2284**	**62.80**		
27000	1276			**1963**	**28.05**	**2029**	**33.02**	**2087**	**37.83**	**2141**	**42.63**	**2193**	**47.49**	**2244**	**52.47**										
30000	1418			**2152**	**35.90**	**2214**	**41.45**	**2270**	**46.86**																

MAXIMUM RPM: Class I = 1401 Class II = 1783 Class III = 2291

300C MPLFN/MPLFS

Wheel Diameter: 30.00"
Outlet Area: 14.11 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 5.06 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	531	706	1.77	881	3.41	1030	5.21																		
9000	638	774	2.26	934	4.12	1073	6.14	1199	8.30	1313	10.56														
10500	744	849	2.86	994	4.95	1124	7.17	1242	9.53	1352	12.03	1453	14.60	1551	17.31										
12000	850	929	3.57	1061	5.90	1182	8.36	1293	10.91	1397	13.61	1496	16.45	1589	19.37	1675	22.30	1760	25.37						
13500	957	1011	4.40	1133	6.98	1246	9.69	1351	12.49	1449	15.36	1543	18.40	1631	21.48	1717	24.73	**1798**	**28.01**	**1875**	**31.34**	**1950**	**34.73**	**2028**	**38.38**
15000	1063	1097	5.41	1208	8.20	1314	11.16	1413	14.20	1506	17.30	1595	20.50	1680	23.82	1762	27.25	**1841**	**30.78**	**1917**	**34.37**	**1990**	**38.01**	**2059**	**41.66**
16500	1169	1184	6.58	1288	9.62	1386	12.79	1479	16.06	1568	19.44	1653	22.87	1734	26.36	**1812**	**29.97**	**1888**	**33.70**	**1961**	**37.48**	**2032**	**41.34**	**2102**	**45.35**
18000	1275	1272	7.93	1370	11.20	1461	14.60	1549	18.12	1633	21.71	1714	25.40	**1792**	**29.14**	**1867**	**32.93**	**1940**	**36.85**	**2011**	**40.87**	**2079**	**44.91**	**2146**	**49.08**
21000	1488	1452	11.25	1539	15.00	1620	18.86	1698	22.85	1774	26.93	**1848**	**31.10**	**1919**	**35.31**	**1989**	**39.65**	**2056**	**43.97**	**2122**	**48.39**	**2186**	**52.85**	**2248**	**57.37**
24000	1701	1635	15.52	1713	19.74	**1787**	**24.08**	**1857**	**28.52**	**1925**	**33.05**	**1992**	**37.68**	**2058**	**42.41**	**2122**	**47.19**	**2185**	**52.06**	**2246**	**56.96**				
27000	1913			**1891**	**25.56**	**1958**	**30.35**	**2023**	**35.28**	**2085**	**40.28**	**2146**	**45.38**	**2206**	**50.56**	**2265**	**55.80**								
30000	2126			**2072**	**32.61**	**2134**	**37.90**	**2193**	**43.23**	**2251**	**48.72**														

MAXIMUM RPM: Class I = 1401 Class II = 1783 Class III = 2291

300C MPLQN/MPLQS

Wheel Diameter: 30.00"
Outlet Area: 14.11 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 5.42 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7500	531	710	1.89	862	3.45	998	5.14																		
9000	638	792	2.46	925	4.29	1048	6.19	1159	8.17																
10500	744	877	3.16	998	5.26	1110	7.42	1215	9.65	1310	11.92	1410	14.44												
12000	850	965	4.01	1079	6.37	1180	8.82	1276	11.26	1369	13.83	1453	16.39	1536	19.07	1627	22.06								
13500	957	1055	5.03	1163	7.63	1256	10.34	1345	13.10	1430	15.86	1513	18.71	1591	21.62	1664	24.51	1739	27.61	**1820**	**30.98**				
15000	1063	1147	6.25	1249	9.10	1338	12.06	1420	15.11	1499	18.15	1576	21.22	1651	24.36	1724	27.60	**1792**	**30.82**	**1857**	**34.03**	**1924**	**37.44**	**1996**	**41.15**
16500	1169	1240	7.68	1337	10.78	1422	13.96	1500	17.29	1573	20.63	1646	24.02	1716	27.38	**1784**	**30.77**	**1852**	**34.31**	**1916**	**37.83**	**1977**	**41.36**	**2037**	**44.95**
18000	1275	1333	9.32	1427	12.71	1508	16.13	1583	19.68	1652	23.29	1720	26.99	**1786**	**30.65**	**1851**	**34.34**	**1914**	**38.02**	**1976**	**41.77**	**2038**	**45.67**	**2096**	**49.51**
21000	1488	1522	13.37	1609	17.31	1684	21.25	1754	25.29	**1819**	**29.38**	**1880**	**33.57**	**1939**	**37.83**	**1997**	**42.14**	**2054**	**46.42**	**2110**	**50.69**	**2165**	**54.96**	**2220**	**59.32**
24000	1701	1713	18.56	**1794**	**23.07**	**1865**	**27.57**	**1930**	**32.11**	**1991**	**36.70**	**2050**	**41.40**	**2105**	**46.13**	**2158**	**50.96**	**2209**	**55.79**	**2260**	**60.72**				
27000	1913			**1982**	**30.18**	**2049**	**35.22**	**2111**	**40.33**	**2168**	**45.41**	**2223**	**50.59**	**2275**	**55.75**										
30000	2126			**2171**	**38.72**	**2235**	**44.37**																		

MAXIMUM RPM: Class I = 1401 Class II = 1783 Class III = 2291

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

330 MPLFN/MPLFS

Wheel Diameter: 33.00"
Outlet Area: 25.60 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 8.26 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	391	659	2.28	810	4.38	941	6.65	1054	8.97																
12000	469	730	2.92	865	5.31	986	7.89	1096	10.60	1195	13.36	1287	16.20												
14000	547	806	3.71	928	6.38	1039	9.25	1142	12.27	1238	15.40	1327	18.59	1409	21.82	1488	25.14	1569	28.70						
16000	625	887	4.68	997	7.61	1099	10.76	1195	14.08	1286	17.55	1371	21.07	1452	24.68	1529	28.37	1601	32.08	**1670**	**35.82**	**1739**	**39.71**	**1811**	**43.88**
18000	703	970	5.83	1071	9.03	1165	12.46	1254	16.06	1340	19.84	1421	23.70	1498	27.62	1572	31.63	**1643**	**35.70**	**1712**	**39.89**	**1777**	**44.07**	**1838**	**48.17**
20000	781	1055	7.19	1148	10.67	1236	14.39	1319	18.28	1398	22.27	1475	26.44	1549	30.71	1620	35.05	**1689**	**39.50**	**1755**	**43.96**	**1819**	**48.50**	**1881**	**53.09**
23000	898	1183	9.62	1270	13.64	1348	17.72	1424	22.04	1496	26.46	1566	31.03	**1635**	**35.78**	**1701**	**40.56**	**1765**	**45.42**	**1828**	**50.43**	**1888**	**55.40**	**1948**	**60.57**
26000	1015	1314	12.63	1395	17.19	1467	21.74	1535	26.38	1602	31.26	**1666**	**36.22**	**1729**	**41.35**	**1791**	**46.62**	**1851**	**51.93**	**1910**	**57.37**	**1967**	**62.84**	**2024**	**68.50**
29000	1133	1447	16.30	1522	21.38	1589	26.40	**1653**	**31.54**	**1714**	**36.76**	**1774**	**42.17**	**1832**	**47.68**	**1889**	**53.33**	**1945**	**59.09**	**2000**	**64.94**	**2054**	**70.88**		
32000	1250			**1651**	**26.30**	**1715**	**31.88**	**1774**	**37.44**	**1831**	**43.10**	**1887**	**48.92**	**1941**	**54.81**	**1994**	**60.84**	**2046**	**66.99**						
35000	1367			**1781**	**31.97**	**1842**	**38.12**	**1898**	**44.18**	**1952**	**50.33**	**2003**	**56.45**	**2054**	**62.78**										
38000	1484			**1913**	**38.56**	**1970**	**45.19**	**2024**	**51.82**	**2075**	**58.43**														

MAXIMUM RPM: Class I = 1273 Class II = 1620 Class III = 2083

330 MPLQN/MPLQS

Wheel Diameter: 33.00"
Outlet Area: 25.60 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 8.78 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	391	674	2.49	805	4.57	917	6.75																		
12000	469	756	3.27	871	5.65	978	8.20	1071	10.78	1170	13.66														
14000	547	843	4.26	947	6.93	1043	9.80	1133	12.75	1216	15.79	1293	18.88												
16000	625	933	5.49	1029	8.44	1115	11.58	1198	14.88	1278	18.28	1354	21.79	1421	25.19	1489	28.78								
18000	703	1025	6.97	1114	10.21	1195	13.66	1270	17.25	1344	20.98	1415	24.76	1484	28.67	1548	32.57	1607	36.43	**1667**	**40.44**	**1735**	**44.87**		
20000	781	1117	8.70	1202	12.31	1277	15.99	1348	19.90	1415	23.91	1482	28.06	1546	32.21	1609	36.50	**1670**	**40.87**	**1727**	**45.23**	**1780**	**49.52**	**1833**	**53.89**
23000	898	1257	11.88	1337	16.05	1406	20.19	1471	24.48	1533	28.96	1592	33.53	**1650**	**38.20**	**1707**	**42.92**	**1764**	**47.78**	**1819**	**52.65**	**1873**	**57.62**	**1925**	**62.60**
26000	1015	1399	15.83	1475	20.61	1539	25.23	1599	29.95	**1656**	**34.78**	**1712**	**39.85**	**1765**	**44.97**	**1817**	**50.20**	**1868**	**55.47**	**1919**	**60.85**	**1969**	**66.25**	**2019**	**71.80**
29000	1133	1542	20.65	1613	25.99	**1675**	**31.21**	**1731**	**36.39**	**1784**	**41.64**	**1836**	**47.06**	**1886**	**52.60**	**1935**	**58.32**	**1982**	**64.06**	**2028**	**69.85**	**2075**	**75.86**		
32000	1250			**1753**	**32.37**	**1813**	**38.21**	**1867**	**43.96**	**1917**	**49.68**	**1965**	**55.48**	**2012**	**61.41**	**2058**	**67.48**								
35000	1367			**1895**	**39.86**	**1952**	**46.28**	**2004**	**52.60**	**2052**	**58.86**														
38000	1484			**2037**	**48.47**																				

MAXIMUM RPM: Class I = 1273 Class II = 1620 Class III = 2083

330C MPLFN/MPLFS

Wheel Diameter: 33.00"
Outlet Area: 17.14 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 8.16 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	583	673	2.44	824	4.54	956	6.87	1072	9.34																
12000	700	745	3.16	882	5.59	1003	8.17	1113	10.94	1215	13.87	1309	16.89												
14000	817	823	4.05	947	6.80	1059	9.69	1162	12.72	1258	15.91	1349	19.27	1433	22.67	1513	26.17	1596	29.97						
16000	933	905	5.13	1017	8.18	1121	11.40	1218	14.74	1308	18.17	1394	21.79	1475	25.49	1554	29.38	**1627**	**33.25**	**1698**	**37.26**	**1769**	**41.43**	**1843**	**45.90**
18000	1050	991	6.44	1093	9.81	1189	13.34	1279	16.98	1365	20.74	1446	24.59	1524	28.61	1598	32.70	**1670**	**36.94**	**1739**	**41.24**	**1806**	**45.67**	**1869**	**50.06**
20000	1167	1078	7.99	1172	11.66	1261	15.51	1346	19.49	1426	23.54	1503	27.69	1577	31.94	**1649**	**36.38**	**1717**	**40.83**	**1784**	**45.46**	**1848**	**50.10**	**1911**	**54.90**
23000	1342	1211	10.83	1296	14.97	1376	19.30	1453	23.75	1527	28.31	1598	32.95	**1667**	**37.69**	**1733**	**42.45**	**1798**	**47.37**	**1860**	**52.31**	**1921**	**57.42**	**1981**	**62.67**
26000	1517	1347	14.38	1424	18.97	1497	23.77	1567	28.71	**1635**	**33.74**	**1701**	**38.87**	**1765**	**44.09**	**1827**	**49.37**	**1887**	**54.68**	**1946**	**60.09**	**2004**	**65.62**	**2060**	**71.18**
29000	1692	1485	18.73	1555	23.79	**1623**	**29.07**	**1687**	**34.46**	**1749**	**39.95**	**1810**	**45.54**	**1870**	**51.26**	**1928**	**57.02**	**1985**	**62.88**	**2040**	**68.75**				
32000	1867			**1689**	**29.52**	**1751**	**35.21**	**1811**	**41.09**	**1868**	**47.01**	**1925**	**53.13**	**1980**	**59.25**	**2035**	**65.54**								
35000	2042			**1824**	**36.20**	**1882**	**42.38**	**1938**	**48.70**	**1992**	**55.13**	**2045**	**61.71**												
38000	2217			**1961**	**43.97**	**2015**	**50.62**	**2068**	**57.44**																

MAXIMUM RPM: Class I = 1273 Class II = 1620 Class III = 2083

330C MPLQN/MPLQS

Wheel Diameter: 33.00"
Outlet Area: 17.14 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 8.73 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	583	682	2.62	812	4.67	926	6.80																		
12000	700	767	3.48	881	5.90	986	8.36	1083	10.95	1175	13.65														
14000	817	854	4.54	959	7.30	1054	10.17	1143	13.03	1228	16.03	1306	19.05	1387	22.33										
16000	933	944	5.85	1043	8.94	1129	12.17	1211	15.44	1289	18.70	1366	22.14	1436	25.54	1504	29.04	1575	32.80						
18000	1050	1036	7.44	1129	10.85	1210	14.40	1285	18.07	1358	21.76	1428	25.43	1496	29.17	1563	33.10	**1624**	**36.91**	**1685**	**40.88**	**1746**	**44.95**	**1813**	**49.47**
20000	1167	1128	9.30	1217	13.09	1295	16.97	1365	20.97	1432	25.05	1497	29.10	1561	33.20	**1623**	**37.32**	**1685**	**41.62**	**1743**	**45.88**	**1799**	**50.20**	**1853**	**54.52**
23000	1342	1269	12.77	1352	17.09	1424	21.45	1491	25.94	1552	30.51	1611	35.19	**1669**	**39.92**	**1726**	**44.62**	**1781**	**49.27**	**1835**	**53.96**	**1889**	**58.79**	**1942**	**63.70**
26000	1517	1412	17.11	1490	21.98	1558	26.88	1620	31.82	**1679**	**36.89**	**1734**	**42.06**	**1787**	**47.33**	**1838**	**52.59**	**1889**	**57.91**	**1940**	**63.28**	**1989**	**68.53**	**2038**	**73.89**
29000	1692	1555	22.36	**1629**	**27.83**	**1694**	**33.28**	**1753**	**38.76**	**1808**	**44.28**	**1862**	**49.98**	**1912**	**55.71**	**1960**	**61.52**	**2007**	**67.42**	**2053**	**73.34**				
32000	1867			**1770**	**34.79**	**1832**	**40.80**	**1888**	**46.79**	**1941**	**52.87**	**1991**	**58.97**	**2040**	**65.22**										
35000	2042			**1912**	**42.94**	**1971**	**49.50**	**2026**	**56.13**	**2076**	**62.67**														
38000	2217			**2055**	**52.38**																				

MAXIMUM RPM: Class I = 1273 Class II = 1620 Class III = 2083

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

365 MPLFN/MPLFS

Wheel Diameter: 36.50"
Outlet Area: 31.32 ft²

Fan Efficiency Grade: FEG75
Max. BHP = 13.68 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	383	590	2.72	728	5.26	847	7.99	950	10.79																
14000	447	642	3.35	767	6.16	879	9.21	980	12.40	1070	15.66	1158	19.11												
16000	511	697	4.08	812	7.18	917	10.55	1012	14.03	1101	17.68	1182	21.37	1258	25.14	1337	29.25								
18000	575	755	4.95	861	8.32	958	11.95	1049	15.78	1134	19.75	1213	23.79	1288	27.95	1357	32.10	1425	36.42	**1495**	**41.04**				
20000	639	815	5.96	913	9.60	1004	13.52	1090	17.66	1171	21.95	1247	26.32	1320	30.83	1389	35.40	1454	40.01	**1516**	**44.67**	**1577**	**49.46**	**1639**	**54.48**
23000	734	907	7.75	996	11.83	1079	16.18	1157	20.71	1232	25.44	1304	30.32	1372	35.26	1438	40.34	**1501**	**45.45**	**1563**	**50.77**	**1622**	**56.10**	**1678**	**61.42**
26000	830	1002	9.96	1084	14.51	1159	19.22	1231	24.18	1300	29.32	1367	34.62	1432	40.09	**1494**	**45.61**	**1555**	**51.32**	**1613**	**57.01**	**1670**	**62.84**	**1725**	**68.71**
29000	926	1098	12.59	1174	17.62	1244	22.78	1310	28.10	1374	33.65	1437	39.44	**1497**	**45.26**	**1556**	**51.26**	**1614**	**57.45**	**1669**	**63.58**	**1724**	**69.98**	**1776**	**76.24**
32000	1022	1195	15.69	1267	21.27	1332	26.87	1394	32.63	1454	38.60	**1512**	**44.74**	**1568**	**50.97**	**1623**	**57.36**	**1678**	**64.00**	**1731**	**70.66**	**1783**	**77.45**	**1833**	**84.23**
36000	1149	1326	20.67	1392	26.93	1453	33.22	**1510**	**39.56**	**1564**	**45.98**	**1618**	**52.69**	**1670**	**59.50**	**1721**	**66.48**	**1771**	**73.59**	**1820**	**80.79**	**1869**	**88.21**		
40000	1277			**1520**	**33.70**	**1577**	**40.68**	**1630**	**47.64**	**1680**	**54.62**	**1730**	**61.88**	**1778**	**69.19**	**1826**	**76.78**	**1872**	**84.37**						
44000	1405			**1649**	**41.62**	**1703**	**49.35**	**1753**	**56.99**	**1800**	**64.59**	**1846**	**72.34**												

MAXIMUM RPM: Class I = 1151 Class II = 1465 Class III = 1884

365 MPLQN/MPLQS

Wheel Diameter: 36.50"
Outlet Area: 31.32 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 14.54 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	383	602	2.96	722	5.46	824	8.08																		
14000	447	663	3.72	770	6.53	869	9.53	955	12.60																
16000	511	726	4.63	824	7.74	915	11.06	1000	14.53	1074	17.97														
18000	575	791	5.72	882	9.09	965	12.72	1045	16.51	1120	20.41	1187	24.30	1255	28.40										
20000	639	858	7.01	944	10.69	1021	14.62	1094	18.68	1165	22.89	1233	27.23	1295	31.58	1354	35.96	1419	40.72						
23000	734	960	9.34	1038	13.44	1110	17.82	1176	22.37	1240	27.05	1303	31.87	1364	36.80	1422	41.77	**1476**	**46.75**	**1527**	**51.72**	**1579**	**56.84**	**1638**	**62.50**
26000	830	1063	12.18	1137	16.84	1203	21.60	1264	26.54	1323	31.73	1380	37.01	1436	42.38	**1491**	**47.87**	**1544**	**53.38**	**1596**	**59.05**	**1645**	**64.70**	**1691**	**70.30**
29000	926	1167	15.60	1238	20.85	1299	26.05	1357	31.44	1412	37.03	1464	42.72	**1515**	**48.55**	**1566**	**54.53**	**1616**	**60.56**	**1665**	**66.67**	**1713**	**72.87**	**1760**	**79.17**
32000	1022	1272	19.67	1340	25.53	1398	31.23	1452	37.04	**1504**	**43.02**	**1553**	**49.12**	**1601**	**55.44**	**1648**	**61.88**	**1694**	**68.38**	**1740**	**75.00**	**1785**	**81.64**	**1830**	**88.46**
36000	1149	1413	26.21	**1477**	**32.88**	**1532**	**39.32**	**1583**	**45.81**	**1630**	**52.27**	**1677**	**59.02**	**1722**	**65.89**	**1765**	**72.85**	**1807**	**79.94**	**1849**	**87.22**				
40000	1277			**1615**	**41.63**	**1668**	**48.90**	**1717**	**56.15**	**1761**	**63.22**	**1804**	**70.46**	**1846**	**77.84**										
44000	1405			**1754**	**51.95**	**1805**	**60.05**	**1852**	**68.07**																

MAXIMUM RPM: Class I = 1151 Class II = 1465 Class III = 1884

365C MPLFN/MPLFS

Wheel Diameter: 36.50"
Outlet Area: 21.16 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 13.50 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	567	602	2.90	741	5.46	860	8.25	966	11.24																
14000	662	655	3.61	782	6.46	894	9.53	996	12.84	1088	16.28	1178	19.96												
16000	756	711	4.43	828	7.60	933	10.95	1029	14.51	1119	18.30	1202	22.20	1279	26.16	1360	30.55								
18000	851	770	5.39	878	8.89	977	12.58	1068	16.40	1153	20.43	1233	24.62	1309	28.96	1380	33.37	1449	37.93	**1521**	**42.88**				
20000	945	832	6.54	931	10.33	1024	14.34	1110	18.46	1191	22.74	1268	27.22	1341	31.83	1411	36.59	**1478**	**41.48**	**1541**	**46.39**	**1603**	**51.45**	**1667**	**56.85**
23000	1087	927	8.60	1016	12.85	1101	17.36	1180	21.96	1256	26.73	1328	31.59	1397	36.63	1463	41.79	**1526**	**47.02**	**1588**	**52.48**	**1648**	**58.04**	**1705**	**63.62**
26000	1229	1024	11.11	1106	15.86	1183	20.83	1256	25.90	1327	31.18	1394	36.49	1459	41.93	**1521**	**47.43**	**1582**	**53.18**	**1641**	**59.05**	**1697**	**64.90**	**1753**	**71.02**
29000	1371	1123	14.16	1199	19.40	1269	24.79	1337	30.38	1403	36.12	**1466**	**41.92**	**1527**	**47.85**	**1586**	**53.83**	**1644**	**59.98**	**1700**	**66.21**	**1754**	**72.53**	**1807**	**79.01**
32000	1512	1224	17.83	1294	23.52	1359	29.37	1422	35.44	**1483**	**41.61**	**1543**	**47.96**	**1600**	**54.31**	**1656**	**60.82**	**1711**	**67.45**	**1764**	**74.08**	**1816**	**80.84**	**1867**	**87.74**
36000	1701			1423	30.03	**1483**	**36.52**	**1541**	**43.24**	**1596**	**50.00**	**1651**	**56.98**	**1704**	**63.98**	**1756**	**71.10**	**1807**	**78.34**	**1857**	**85.70**				
40000	1890			**1555**	**37.88**	**1611**	**45.05**	**1664**	**52.33**	**1715**	**59.74**	**1765**	**67.29**	**1814**	**74.93**	**1863**	**82.76**								
44000	2079			**1689**	**47.21**	**1740**	**54.94**	**1790**	**62.89**	**1838**	**70.96**	**1884**	**79.08**												

MAXIMUM RPM: Class I = 1151 Class II = 1465 Class III = 1884

365C MPLQN/MPLQS

Wheel Diameter: 36.50"
Outlet Area: 21.16 ft²

Fan Efficiency Grade: FEG71
Max. BHP = 14.46 x (RPM / 1000)³

CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		11" SP		12" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	567	610	3.12	728	5.57	833	8.17																		
14000	662	672	3.94	778	6.77	877	9.71	965	12.73	1057	16.09														
16000	756	735	4.91	834	8.12	923	11.36	1009	14.77	1086	18.21	1163	21.87												
18000	851	801	6.09	894	9.61	976	13.27	1055	16.97	1130	20.76	1199	24.59	1266	28.56	1338	32.94								
20000	945	868	7.47	956	11.30	1033	15.33	1106	19.42	1176	23.51	1244	27.73	1308	32.02	1368	36.32	1429	40.85	**1496**	**45.89**				
23000	1087	970	9.97	1052	14.31	1124	18.80	1190	23.47	1254	28.20	1315	32.83	1375	37.57	1435	42.55	**1490**	**47.40**	**1543**	**52.34**	**1595**	**57.36**	**1649**	**62.69**
26000	1229	1073	13.04	1151	17.93	1219	22.92	1281	28.06	1339	33.32	1396	38.68	1451	43.95	**1505**	**49.26**	**1558**	**54.65**	**1610**	**60.14**	**1661**	**65.79**	**1708**	**71.25**
29000	1371	1178	16.79	1252	22.24	1316	27.72	1375	33.31	1430	39.07	**1482**	**44.92**	**1533**	**50.86**	**1583**	**56.75**	**1633**	**62.74**	**1681**	**68.64**	**1728**	**74.57**	**1775**	**80.69**
32000	1512	1283	21.22	1354	27.26	1415	33.27	**1471**	**39.35**	**1524**	**45.57**	**1574**	**51.95**	**1621**	**58.36**	**1668**	**64.95**	**1714**	**71.52**	**1759**	**78.01**	**1803**	**84.46**	**1847**	**91.03**
36000	1701	1425	28.41	**1491**	**35.19**	**1549**	**41.92**	**1602**	**48.72**	**1652**	**55.62**	**1700**	**62.63**	**1745**	**69.72**	**1788**	**76.90**	**1830**	**84.19**	**1871**	**91.51**				
40000	1890			**1630**	**44.74**	**1686**	**52.30**	**1736**	**59.77**	**1783**	**67.32**	**1828**	**74.97**	**1871**	**82.65**										
44000	2079			**1770**	**56.05**	**1823**	**64.35**	**1872**	**72.66**																

MAXIMUM RPM: Class I = 1151 Class II = 1465 Class III = 1884

Class I = First white section
Class II = Blue shaded section
Class III = Bolded section after blue section
Underlined figures indicate Maximum Static Efficiency

Performance certified is for installation Type A; Free inlet, Free outlet.
Power rating (BHP) does not include transmission losses.
Performance ratings do not include the effects of appurtenances (accessories).

MPLFN | MPLFS

Fans shall be Model MPLFN or MPLFS centrifugal plenum (plug) type, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Performance ratings shall conform to AMCA Standard 205 (fan efficiency grade), 211 (air performance) and 311 (sound performance). Fans shall be tested in accordance with ANSI/AMCA Standard 210 (air performance) and 300 (sound performance) in an AMCA accredited laboratory. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air, and fan efficiency grade (FEG). Sound certification shall apply to both inlet and outlet sound power levels.

Fans shall have a sharply rising pressure characteristic extending through the operating range and continuing to rise beyond the peak efficiency to ensure quiet and stable operation. Fans shall have a non-overloading design with self-limiting horsepower characteristics and shall reach a peak in the normal selection area. All fans shall be capable of operating over the minimum pressure class limits as specified in AMCA Standard 99.

CONSTRUCTION — Fans shall be designed without a scroll type housing and shall incorporate a non-overloading type backward inclined airfoil blade wheel. A housing structure consisting of low-weight, yet rigid, corrosion-resistant, galvanized steel frame and exterior panels shall house the rotating assembly. The structure shall be capable of supporting multiple fan assemblies stacked upon one another and side-by-side without isolation between the independent units.

INSULATION (MPLFN Only) — Fans shall be provided with a minimum of 2" acoustical insulation. Insulation shall be protected on the airstream side with a non-friable vapor barrier preventing insulation shedding for IAQ (indoor air quality). Galvanized, perforated steel shall be located on the airstream side of the vapor barrier providing additional protection without sacrificing air and sound performance.

ISOLATION — Rotating assemblies shall be internally isolated from the structural housing to achieve the least amount of transmitted vibration to the customer's air handling unit.

MOTOR PEDESTAL AND INLET PANEL — Motor pedestal and inlet panel shall be of reinforced, galvanized steel or enamel coated mild steel construction and integrated into a single, isolated assembly. Motor pedestal shall be designed to minimize vibration from the motor and wheel. The inlet panel incorporates a removable spun inlet cone designed for smooth airflow into the accompanying inlet retaining ring of the fan wheel. The inlet panel shall be isolated from the housing structure.

WHEEL — Wheels shall have a non-tapered style blade retaining ring on the inlet side to allow higher efficiencies over the performance range of the fan. Wheels shall have airfoil-shaped extruded aluminum blades. All hollow blade wheels shall be continuously welded around all edges. Wheels shall have nine (9) blades for high efficiency. Wheel diameters shall be easily discernible by the fan size. All wheels shall be statically and dynamically balanced on precision electronic balancers to a Balance Quality Grade G6.3 per ANSI/AMCA 204 or better.

FINISH AND COATING — Steel components shall be thoroughly degreased and deburred before application of a rust-preventative coating. All galvanized and aluminum components shall be unpainted.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at the specified operating speed or maximum RPM allowed for the particular construction type. Maximum vibration shall be within the limits of ANSI/AMCA 204 Fan Application Category BV-3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its MPLFN and MPLFS fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

MPLQN | MPLQS

Fans shall be Model MPLQN or MPLQS centrifugal plenum (plug) type, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Performance ratings shall conform to AMCA Standard 205 (fan efficiency grade), 211 (air performance) and 311 (sound performance). Fans shall be tested in accordance with ANSI/AMCA Standard 210 (air performance) and 300 (sound performance) in an AMCA accredited laboratory. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air, and fan efficiency grade (FEG). Sound certification shall apply to both inlet and outlet sound power levels.

Fans shall have a sharply rising pressure characteristic extending through the operating range and continuing to rise beyond the peak efficiency to ensure quiet and stable operation. Fans shall have a non-overloading design with self-limiting horsepower characteristics and shall reach a peak in the normal selection area. All fans shall be capable of operating over the minimum pressure class limits as specified in AMCA Standard 99.

CONSTRUCTION — Fans shall be designed without a scroll type housing and shall incorporate a non-overloading type backward inclined airfoil blade wheel. A housing structure consisting of low-weight, yet rigid, corrosion-resistant, galvanized steel frame and exterior panels shall house the rotating assembly. The structure shall be capable of supporting multiple fan assemblies stacked upon one another and side-by-side without isolation between the independent units.

INSULATION (MPLQN Only) — Fans shall be provided with a minimum of 2" acoustical insulation. Insulation shall be protected on the airstream side with a non-friable vapor barrier preventing insulation shedding for IAQ (indoor air quality). Galvanized, perforated steel shall be located on the airstream side of the vapor barrier providing additional protection without sacrificing air and sound performance.

ISOLATION — Rotating assemblies shall be internally isolated from the structural housing to achieve the least amount of transmitted vibration to the customer's air handling unit.

MOTOR PEDESTAL AND INLET PANEL — Motor pedestal and inlet panel shall be of reinforced, galvanized steel or enamel coated mild steel construction and integrated into a single, isolated assembly. Motor pedestal shall be designed to minimize vibration from the motor and wheel. The inlet panel incorporates a removable spun inlet cone designed for smooth airflow into the accompanying inlet retaining ring of the fan wheel. The inlet panel shall be isolated from the housing structure.

WHEEL — Wheels shall have a non-tapered style blade retaining ring on the inlet side to allow higher efficiencies over the performance range of the fan. Wheels shall have airfoil-shaped extruded aluminum blades. All hollow blade wheels shall be continuously welded around all edges. Wheels shall have twelve (12) blades for better sound quality. Wheel diameters shall be easily discernible by the fan size. All wheels shall be statically and dynamically balanced on precision electronic balancers to a Balance Quality Grade G6.3 per ANSI/AMCA 204 or better.

FINISH AND COATING — Steel components shall be thoroughly degreased and deburred before application of a rust-preventative coating. All galvanized and aluminum components shall be unpainted.

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GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its MPLQN and MPLQS fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

Fans & Blowers
Twin City

INDUSTRIAL & COMMERCIAL FANS

Centrifugal Fans | Utility Sets | Plenum & Plug Fans | Inline Centrifugal Fans
Mixed Flow Fans | Tubeaxial & Vaneaxial Fans | Propeller Wall Fans | Propeller Roof Ventilators
Centrifugal Roof & Wall Exhausters | Ceiling Ventilators | Gravity Ventilators | Duct Blowers
Radial Bladed Fans | Radial Tip Fans | High Efficiency Industrial Fans | Pressure Blowers
Laboratory Exhaust Fans | Filtered Supply Fans | Mancoolers | Fiberglass Fans | Custom Fans

Fans & Blowers
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