

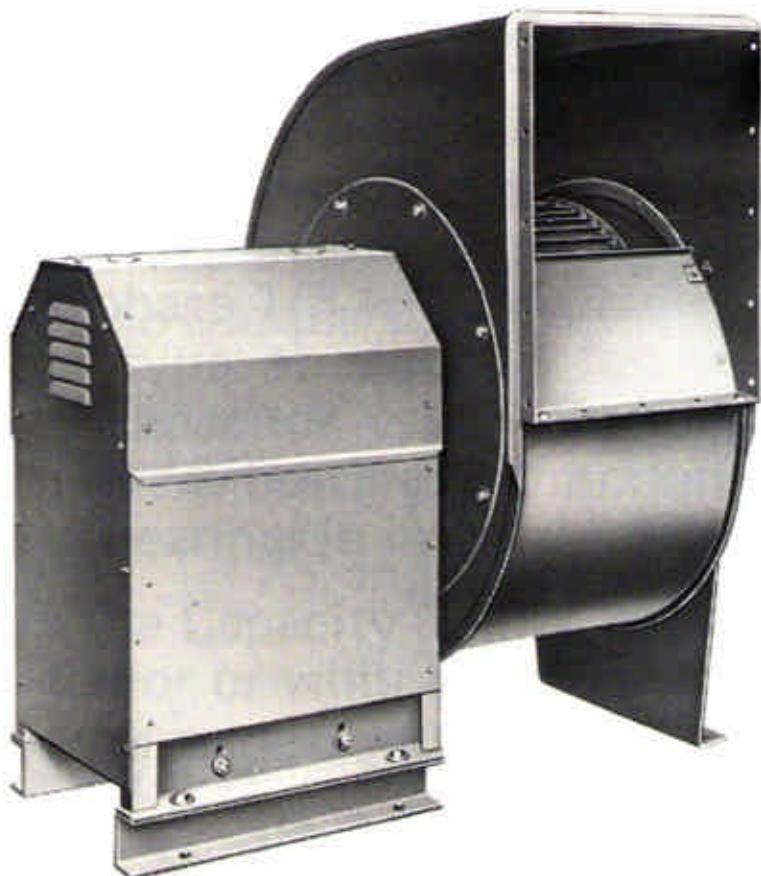


**FAN SERVICES
INCORPORATED™**

DF Fan Services, Inc.
495 Wegner Drive
West Chicago, IL 60185-2675
Phone: 630-876-1495
Fax: 630-876-1497
www.dffan.com

BELT-DRIVE READY UNIT FANS

**READY TO RUN FAN ASSEMBLIES
FOR COMMERCIAL, INDUSTRIAL, HIGH-TEMPERATURE,
and/or CORROSIVE APPLICATIONS**



DF FAN - LS READY UNITS

APPLICATION

These easy to install fans, featuring universal discharge and integrally mounted motors, are unusually versatile. They are ideally suited for supply or exhaust jobs, both indoors and outdoors. The standard fan is for clean air up to 300°F. However, with modifications the air-stream temperatures can reach 1200°F, and move almost any type of corrosive or toxic fumes.

- For volumes up to 17,000 CFM
- For static pressures through 10" W.G.

DF Fan LS Ready Units answer the exacting quiet operating requirements of commercial and public buildings, the heavy-duty demands of industrial service, and the strict requirements of the OEM.

TYPICAL USES INCLUDE:

- Industrial high temperature applications such as: Dryers, Paint/Powder Coat Systems, Washers, or Bake-Off Ovens
- Oven re-circulation
- Oven exhaust
- Exhausting Fumes and gases
- Ventilation in buildings of all types, including: schools, hospitals, restaurants, and offices.
- Ventilation or exhaust in industrial plants.
- Spot cooling
- Supply process air

OUTSTANDING FEATURES

- Class II, Heavy-duty construction for added years of service.
- Mill galvanized steel fan wheel with cast iron hub.
- Dynamically balanced fan wheels.
- Fully welded fan housings.
- Heavy steel shaft and cast iron pillowblock bearings.
- Welded angle iron frames.
- Ready-to-Run complete assemblies.
- Vented weather cover.
- High grade paint treatment, after complete sandblast.
- Possible to change discharge direction in the field.
- Centrifugal forward curved fan wheel for quiet performance.
- Guaranteed performance.
- 8 fan sizes.



GENERAL INFORMATION

MINIMUM SPACE REQUIRED

The highly compact Ready Units can be installed in practically any location – on the floor, on the roof, on a platform. They can also be modified for inverted or side-wall mounting.

OTHER BELT DRIVE ADVANTAGES

A Belt Drive Ready Unit can be chosen to operate at the necessary speed for the air volume and static resistance desired. Adjustable V-belt drive allows limited changes to be made in fan speed after installation should more or less air be required. For greater speed changes a new drive can be obtained.

(CAUTION: Check with the Capacity Table before increasing the speed. Since fan brake horsepower changes with the cube of the speed ratio, even a small increase in speed may overload the motor selected.)

LOWER INSTALLATION COST

Since each unit is furnished complete with motor and drive integrated in one assembly, no expense is required for a separate motor foundation or alignment of components.

ADAPTABILITY ON THE JOB

Air discharge direction can be changed in the field to any of the eight AMCA standard positions of the same rotation. This is readily accomplished by removing the side plate-to-housing bolts, rotating the housing, and replacing the bolts. If a rotation change is necessary, an opposite rotation wheel is obtainable.

Motors can be changed in the field within the limits of NEMA frames and overall length shown on the Dimension Tables. Pre-punched motor bases simplify the change.

FUME HOOD FAN ASSEMBLIES*

For exhausting fumes from industrial and institutional laboratory hoods or other corrosive fume exhaust system. Cast iron housing and v-V-Belt-Drive. Incorporating SWSI centrifugal forward curved bladed wheels. Complete packaged, ready-to-run in four basic sizes with capacities from 250 to 6,300 CFM at static pressures to 5" W.G.

* ASK FOR BULLETIN 26002



Fume Hood

TYPE UNI-COMBUSTION FANS**

Direct-Drive Uni-Combustion fans assemblies and fan parts, incorporating SWSI centrifugal forward curved bladed wheels in 15 diameters from 6-1/2" through 32-1/2", are designed for industrial use. Available in arrangement 4. Complete assemblies and/or parts for your OEM application. Capacities from 200 to 24,000 CFM at static pressures to 10" W.G.

** ASK FOR BULLETIN 18001



Arrangement
4-Pancake



Arrangement
4U Assembly



Arrangement
4E Assembly

STANDARD CONSTRUCTION

As is typical of all DF Fan equipment, LS Ready Units are Class II, extra-rugged to provide added strength and rigidity. This more durable construction is reflected in added years of service and minimum maintenance along the way.

FAN WHEEL

LS Ready Units have Centrifugal, forward curved fan wheels. These are the same construction as Type DF Multi-blade wheels, which have been serving the air conditioning unit business for over 60 years. Standard fan wheels are manufactured from mill galvanized steel construction with cast iron hubs. Every Ready Unit fan wheel is balanced both statically and dynamically.



Standard Wheel



Reinforcing Rings
and Stop-Off Band

Fan Wheel size 1/2 through 1-1/4 – 48 die formed blades, with integral tenons on blade ends. Tenons project through slots in rims and centerplate and are staked in place.

Fan Wheel sizes 1-3/8 through 2-1/2 – 60 die formed blades (48 blades, sizes 1-3/8 and 1-1/2). Blades have flanged ends which are riveted to centerplate and rims.

Standard Hubs are cast iron, “Huck Bolted” to backplate. Available in all English and Metric bores, with or without keyway.

MOTORS

NEMA standard single speed, ODP motors are standard on all units – (3-60-230/460). Standard motors are EPAct compliant.

FAN HOUSING

Housings are constructed of heavy-gauge steel with each side sheet fully welded to the scroll. Inlets are cast iron or fabricated steel for a smooth airflow to the wheel.



Standard Steel Housing

SHAFT, BEARINGS & DRIVE

Standard shafts are of 1045 steel, turned, and ground to exact size. All bearings are Cast Iron Pillowblock type. Drive is V-belt type with one variable pitch pulley for ease with system installation air balance.

FRAMES

The frames, which support the housing and all moving parts, are constructed from heavy steel angle iron. The frame is fully welded to assure permanent alignment and hold any vibration to an absolute minimum.

WEATHER COVER

All units are furnished with vented outdoor weather cover, providing complete enclosure of moving parts to meet safety codes. These covers are easily removed for convenient access to motor, v-belt drive, shaft and bearings.

COATINGS

Standard LS Ready Unit is sandblasted and coated with air-dried enamel paint.

OPTIONAL FEATURES AVAILABLE

VIBRATION ISOLATION

Rubber in-sheer isolators, as found on the dimensional page 14, effectively prevent transmission of any vibration. Spring Isolators are also available.

VORTEX INLET DAMPER CONTROL

A superior DF Fan capacity regulating device, consisting of 8 simultaneously adjustable blades at the fan inlet. This permits accurate control and saves considerable power input as compared to outlet dampering devices.



SPECIAL MOTORS

Enclosed, Explosion-Proof, Two-Speed, Hostile Environment, Single Phase, 50 Hz, or other special motors can be furnished upon request.

CLEANOUT DOORS

Bolted type housing access doors are available.

FINISHES AND SPECIAL METAL CONSTRUCTION

Standard Construction – mill galvanized steel (zinc-grip) construction with cast iron hub.

Maximum air-stream temperature 500°F.

High-Temperature Construction – Steel construction with cast iron hub, coated with one coat of black silicone based paint. Maximum air-stream temperature 750°F.

Spark Resistant Construction – Ferrous and non-ferrous metal combinations, using aluminum and monel, to meet AMCA "A", "B", and "C" construction requirements.

Aluminum Construction – Available for wheels and housings for spark-resistant applications with either cast iron or aluminum wheel hubs.

HOUSING DRAIN

A drain plug fitted at the housing low point.

OUTLET LOUVERS

Mounted on the outlet for prevention of back-draft or for weather protection.

SPECIAL COATINGS

Special coatings are available for corrosive, harsh, or other special applications. These coatings include but are not limited to: "Heresite", Epoxy, Teflon, Cold Galvanizing Compound, etc.

INLET/OUTLET SCREENS

For protection from birds, debris, and/or people.

SPARK RESISTANT CONSTRUCTION

Special construction and materials used to meet AMCA standards for Type A, Type B, or Type C.

COOLING WHEELS - HEAT SLINGERS

Shaft cooling wheels are available for high temperature applications to dissipate heat from the shaft and protect the bearings.

Stainless Steel Type 304/316 – Available for wheels and housings for corrosive and/or high-temperature applications. Maximum air-stream temperature 1200°F.

Monel (Nickel-400) – **Wheels and housings available for spark-resistant applications where pressure or temperature precludes use of aluminum.**

18 LS Ready Unit

Size 3/4

Outlet Velocity	1/4" SP	3/8" SP	1/2" SP	3/4" SP	1" SP	1 1/4" SP	1 1/2" SP	1 3/4" SP	2" SP	2 1/2" SP	3" SP	3 1/2" SP	4" SP	4 1/2" SP	5" SP	5 1/2" SP	6" SP	6 1/2" SP	7" SP
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300	617	548	0.02																
350	720	559	0.03																
400	823	579	0.30	679	0.04														
450	926	600	0.04	690	0.05	780	0.06												
500	1029	630	0.05	715	0.06	795	0.07												
550	1132	656	0.06	741	0.07	811	0.08	961	0.12										
600	1235	691	0.07	766	0.08	836	0.10	971	0.13	1106	0.17								
650	1337	722	0.08	792	0.10	862	0.11	987	0.15	1112	0.18								
700	1440	752	0.10	822	0.11	887	0.13	1012	0.17	1127	0.21	1242	0.25						
750	1543	783	0.11	853	0.13	918	0.15	1033	0.19	1143	0.23	1248	0.27	1358	0.32				
800	1646	818	0.13	888	0.15	948	0.17	1058	0.21	1163	0.25	1263	0.29	1363	0.34	1468	0.39		
850	1749	854	0.15	919	0.18	979	0.20	1089	0.24	1184	0.28	1284	0.33	1379	0.37	1474	0.42		
900	1852	899	0.18	949	0.20	1009	0.22	1114	0.27	1214	0.31	1304	0.36	1394	0.40	1484	0.46	1574	0.51
950	1955	920	0.20	985	0.23	1040	0.25	1145	0.30	1240	0.35	1325	0.39	1415	0.44	1495	0.49	1580	0.54
1000	2058	955	0.23	1020	0.26	1075	0.28	1175	0.33	1265	0.38	1350	0.43	1435	0.48	1515	0.53	1595	0.59
1050	2160	991	0.26	1051	0.29	1106	0.32	1206	0.37	1296	0.42	1376	0.47	1461	0.53	1536	0.58	1611	0.63
1100	2263	1026	0.29	1086	0.32	1141	0.35	1236	0.41	1366	0.47	1406	0.52	1486	0.57	1561	0.63	1631	0.68
1150	2366	1062	0.32	1122	0.36	1172	0.39	1267	0.45	1352	0.51	1432	0.57	1512	0.62	1582	0.68	1657	0.74
1200	2469	1102	0.36	1157	0.40	1207	0.43	1302	0.50	1387	0.56	1462	0.62	1537	0.67	1607	0.73	1677	0.79
1250	2572	1148	0.41	1193	0.44	1243	0.48	1333	0.54	1418	0.61	1493	0.67	1568	0.74	1638	0.80	1703	0.86
1300	2675	1193	0.46	1228	0.49	1278	0.52	1363	0.59	1448	0.66	1523	0.73	1593	0.79	1663	0.86	1728	0.92
1350	2778	1239	0.51	1264	0.53	1309	0.57	1399	0.65	1479	0.72	1554	0.79	1624	0.86	1694	0.93	1754	0.99
1400	2881	1284	0.57	1299	0.59	1344	0.63	1434	0.71	1509	0.78	1584	0.85	1654	0.93	1719	0.99	1784	1.06
1450	2984	1330	0.64	1335	0.64	1380	0.68	1465	0.77	1545	0.85	1615	0.92	1685	1.00	1750	1.07	1810	1.14
1500	3086																		
1550	3189																		
1600	3292																		
1650	3395																		
1700	3498																		
1750	3601																		
1800	3704																		
1850	3807																		
1900	3909																		
1950	4012																		
2000	4115																		
2050	4218																		
2100	4321																		
2150	4424																		
2200	4527																		
2250	4630																		
2300	4733																		
2350	4835																		
2400	4938																		
2450	5041																		
2500	5144																		
2550	5247																		
2600	5350																		
2650	5453																		
2700	5556																		
2750	5658																		
2800	5761																		
2850	5864																		
2900	5967																		
2950	6070																		
3000	6173																		

Notes: **Bold** selections will require reinforcing rings and high speed Balancing

Performance shown is for fan with free inlet and ducted outlet. Standard air density 0.075 lb/cu.ft.

Power ratings (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

24-1/2 LS Ready Unit
Size 7/8

Outlet Velocity	1/4" SP	3/8" SP	1/2" SP	3/4" SP	1" SP	1 1/4" SP	1 1/2" SP	1 3/4" SP	2" SP	2 1/2" SP	3" SP	3 1/2" SP	4" SP	4 1/2" SP	5" SP	5 1/2" SP	6" SP	6 1/2" SP	7" SP
CFM	FFPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600	906	487	0.04																
650	982	506	0.05																
700	1057	519	0.05																
750	1133	537	0.06	607	0.08														
800	1208	550	0.07	620	0.09														
850	1284	568	0.08	638	0.10														
900	1360	586	0.09	651	0.11	711	0.13												
950	1436	604	0.10	669	0.12	724	0.14												
1000	1511	622	0.11	687	0.13	742	0.16												
1050	1586	640	0.12	700	0.15	755	0.17	855	0.22										
1100	1662	658	0.14	718	0.16	773	0.19	868	0.24										
1150	1737	676	0.15	736	0.18	791	0.20	886	0.26										
1200	1813	694	0.17	754	0.20	809	0.22	899	0.28										
1250	1888	713	0.18	773	0.21	823	0.24	918	0.30	998	0.35								
1300	1964	731	0.20	791	0.23	841	0.26	931	0.32	1016	0.38								
1350	2039	749	0.22	808	0.25	859	0.28	949	0.35	1029	0.41								
1400	2115	772	0.24	827	0.27	877	0.31	967	0.37	1047	0.44	1117	0.50						
1450	2190	790	0.26	845	0.30	895	0.33	985	0.40	1060	0.46	1135	0.53						
1500	2266	808	0.28	863	0.32	913	0.36	998	0.43	1078	0.50	1148	0.56	1218	0.63				
1550	2341	831	0.31	881	0.35	931	0.38	1016	0.46	1096	0.53	1166	0.60	1231	0.67				
1600	2417	849	0.33	899	0.37	949	0.41	1034	0.49	1109	0.56	1179	0.63	1244	0.70				
1650	2492	872	0.36	922	0.40	976	0.44	1052	0.52	1127	0.60	1197	0.67	1262	0.75	1322	0.82		
1700	2568	890	0.39	940	0.43	985	0.50	1070	0.56	1145	0.63	1215	0.71	1275	0.78	1335	0.86		
1750	2644	913	0.42	958	0.46	1003	0.51	1088	0.59	1163	0.67	1228	0.75	1293	0.83	1353	0.91		
1800	2719	931	0.45	976	0.50	1021	0.54	1106	0.63	1181	0.71	1246	0.79	1306	0.87	1366	0.95	1426	1.04
1850	2795	954	0.48	999	0.53	1039	0.57	1124	0.67	1194	0.75	1264	0.84	1324	0.92	1384	1.01	1439	1.09
1900	2870	978	0.53	1018	0.57	1058	0.61	1138	0.70	1213	0.80	1278	0.88	1343	0.97	1398	1.05	1453	1.14
1950	2946	1001	0.57	1041	0.61	1081	0.66	1156	0.75	1231	0.84	1299	0.93	1356	1.02	1416	1.11	1471	1.20
2000	3021	1029	0.62	1059	0.65	1099	0.70	1174	0.79	1249	0.85	1314	0.98	1374	1.07	1434	1.17	1484	1.25
2050	3097	1052	0.66	1082	0.70	1117	0.74	1192	0.84	1267	0.94	1334	1.04	1392	1.13	1447	1.22	1502	1.31
2100	3172	1080	0.71	1100	0.74	1140	0.79	1215	0.89	1285	0.99	1350	1.09	1410	1.19	1465	1.28	1520	1.38
2150	3248	1103	0.76	1123	0.79	1158	0.83	1223	0.94	1303	1.04	1386	1.15	1428	1.25	1483	1.34	1533	1.43
2200	3323	1131	0.82	1141	0.83	1181	0.89	1251	0.99	1321	1.10	1381	1.20	1441	1.30	1501	1.41	1551	1.50
2250	3399	1154	0.87	1164	0.88	1199	0.94	1269	1.04	1339	1.16	1399	1.26	1459	1.36	1514	1.47	1569	1.57
2300	3474	1182	0.93	1222	0.99	1287	1.10	1357	1.21	1417	1.32	1477	1.43	1532	1.52	1587	1.65	1682	1.85
2350	3550	1205	0.99	1240	1.05	1310	1.16	1375	1.27	1435	1.38	1495	1.50	1550	1.61	1600	1.71	1700	1.83
2400	3626	1223	1.06	1263	1.11	1328	1.22	1393	1.34	1453	1.45	1513	1.57	1568	1.68	1718	1.79	1713	2.00
2450	3701	1256	1.12	1281	1.17	1346	1.28	1411	1.40	1471	1.52	1531	1.64	1586	1.76	1636	1.87	1731	2.08
2500	3776	1285	1.20	1305	1.23	1365	1.34	1430	1.47	1490	1.59	1545	1.70	1600	1.82	1655	1.95	1750	2.17
2550	3852	1308	1.27	1323	1.29	1388	1.42	1448	1.54	1504	1.66	1563	1.78	1618	1.90	1668	2.02	1763	2.25
2600	3927	1336	1.35	1346	1.37	1406	1.48	1466	1.61	1524	1.74	1581	1.86	1638	1.98	1698	2.10	1781	2.34
2650	4003	1359	1.42	1364	1.43	1429	1.56	1489	1.68	1544	1.81	1599	1.94	1654	2.07	1704	2.19	1799	2.44
2700	4079																		
2750	4154																		
2800	4230																		
2850	4305																		
2900	4381																		
2950	4456																		
3000	4532																		
3050	4607																		
3100	4683																		
3150	4758																		
3200	4834																		
3250	4909																		
3300	4985																		
3350	5060																		
3400	5136																		
3450	5121																		
3500	5287																		
3550	5363																		
3600	5438																		
3650	5514																		
3700	5589																		
3750	5665																		
3800	5740																		
3850	5816																		
3900	5891																		
3950	5967																		
4000	6042																		
4050	6118																		
4100	6193																		
4150	6269																		
4200	6344																		
4250	6420																		
4300	6495																		
4350	6571																		
4400	6647																		
4450	6722																		
4500	6798																		
4550	6873																		
4600	6949																		

Notes: Bold selections will require reinforcing rings and high speed Balancing
Performance shown is for fan with free inlet and ducted outlet. Standard air density 0.075 lb/cu.ft.
Power ratings (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

30 LS Ready Unit
Size 1-1/8

Outlet	Velocity	1/4" SP	3/8" SP	1/2" SP	3/4" SP	1" SP	1 1/4" SP	1 1/2" SP	1 3/4" SP	2" SP	2 1/2" SP	3" SP	3 1/2" SP	4" SP	4 1/2" SP	5" SP	5 1/2" SP	6" SP		
CFM	CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM		
1000	909	383	0.07																	
1100	1000	394	0.08																	
1200	1091	411	0.10																	
1300	1182	428	0.11	478	0.14															
1400	1273	445	0.13	495	0.16															
1500	1364	461	0.15	511	0.18	556	0.22													
1600	1455	473	0.17	523	0.21	568	0.24													
1700	1545	490	0.19	540	0.23	585	0.27													
1800	1636	506	0.22	556	0.26	601	0.31	676	0.39											
1900	1727	523	0.25	573	0.29	613	0.34	688	0.42											
2000	1818	545	0.28	590	0.33	630	0.37	705	0.47											
2100	1909	562	0.32	607	0.37	647	0.41	717	0.51	782	0.60									
2200	2000	578	0.35	623	0.40	663	0.46	733	0.56	798	0.66									
2300	2091	595	0.39	640	0.45	680	0.50	750	0.61	810	0.71	870	0.82							
2400	2182	617	0.44	657	0.49	697	0.55	767	0.66	827	0.77	882	0.88							
2500	2273	633	0.48	673	0.54	713	0.60	783	0.72	843	0.83	898	0.95	948	1.05					
2600	2364	655	0.53	690	0.59	730	0.66	800	0.78	860	0.90	910	1.01	965	1.14					
2700	2455	672	0.58	712	0.65	747	0.71	812	0.84	872	0.96	927	1.09	977	1.21	1027	1.34			
2800	2545	694	0.65	729	0.71	764	0.78	829	0.91	889	1.04	944	1.17	994	1.30	1039	1.42			
2900	2636	710	0.70	750	0.78	780	0.84	845	0.98	905	1.12	960	1.25	1005	1.37	1055	1.51	1100	1.65	
3000	2727	737	0.78	767	0.84	802	0.92	862	1.05	922	1.20	972	1.33	1022	1.47	1067	1.60	1112	1.74	
3100	2818	759	0.86	784	0.91	819	0.99	879	1.13	939	1.29	989	1.42	1039	1.57	1084	1.71	1124	1.84	
3200	2909	785	0.95	805	0.99	835	1.06	895	1.21	955	1.38	1005	1.52	1055	1.67	1100	1.81	1140	1.95	
3300	3000	807	1.03	822	1.01	857	1.15	912	1.30	972	1.47	1022	1.62	1067	1.76	1112	1.91	1157	2.07	
3400	3091	834	1.13	844	1.16	874	1.24	934	1.41	989	1.57	1039	1.73	1084	1.88	1129	2.03	1169	2.18	
3500	3182	856	1.23	961	1.24	891	1.33	951	1.50	1001	1.66	1056	1.84	1101	1.99	1146	2.16	1186	2.31	
3600	3273			882	1.34	912	1.43	967	1.60	1022	1.78	1072	1.95	1117	2.11	1162	2.28	1202	2.41	
3700	3364			904	1.45	929	1.53	984	1.70	1039	1.89	1089	2.07	1134	2.24	1174	2.40	1219	2.58	
3800	3455			931	1.58	951	1.64	1001	1.81	1056	2.01	1101	2.17	1151	2.37	1191	2.53	1231	2.70	
3900	3545			953	1.70	968	1.75	1023	1.94	1073	2.13	1118	2.30	1163	2.49	1208	2.68	1248	2.85	
4000	3636			979	1.83	989	1.87	1039	2.06	1089	2.25	1139	2.45	1184	2.64	1224	2.82	1264	3.00	
4100	3727			1001	1.97	1006	1.99	1056	2.18	1106	2.38	1151	2.57	1196	2.77	1241	2.97	1281	3.16	
4200	3818					1028	2.13	1078	2.33	1123	2.52	1168	2.71	1213	2.92	1258	3.13	1298	3.33	
4300	3909					1049	2.27	1094	2.46	1144	2.67	1189	2.88	1234	3.09	1274	3.30	1314	3.49	
4400	4000					1076	2.44	1116	2.17	1161	2.82	1206	3.03	1246	3.23	1291	3.46	1331	3.67	
4500	4091					1103	2.62	1133	2.76	1178	2.97	1223	3.19	1263	3.40	1308	3.63	1343	3.82	
4600	4182					1125	2.79	1155	2.93	1195	3.13	1240	3.36	1280	3.57	1325	3.81	1360	4.01	
4700	4273					1151	2.98	1171	3.08	1216	3.31	1256	3.52	1301	3.77	1341	3.99	1376	4.20	
4800	4364					1173	3.17	1193	3.27	1233	3.48	1278	3.73	1318	3.95	1358	4.19	1393	4.40	
4900	4455					1195	3.35	1210	3.43	1255	3.68	1295	3.90	1335	4.14	1375	4.38	1410	4.60	
5000	4545					1221	3.57	1231	3.63	1271	3.86	1311	4.09	1351	4.33	1391	4.58	1426	4.80	
5100	4636					1248	3.80	1288	4.04	1333	4.31	1368	4.53	1408	4.79	1443	5.02	1518	5.54	
5200	4727					1270	4.02	1310	4.26	1350	4.51	1385	4.74	1425	5.00	1460	5.24	1530	5.74	
5300	4818					1297	4.27	1327	4.46	1367	4.72	1407	4.99	1442	5.23	1477	5.47	1547	5.98	
5400	4909					1318	4.50	1428	4.69	1388	4.96	1423	5.20	1458	5.45	1498	5.74	1563	6.23	
5500	5000					1345	4.77	1365	4.90	1405	5.18	1440	5.43	1475	5.68	1515	5.98	1580	6.48	
5600	5091					1367	5.01	1387	5.16	1422	5.40	1462	5.70	1497	5.96	1532	6.23	1597	6.75	
5700	5182					1393	5.30	1408	5.41	1443	5.67	1478	5.93	1513	6.20	1548	6.48	1613	7.01	
5800	5273					1415	5.57	1425	5.64	1460	5.91	1495	6.18	1530	6.46	1565	6.74	1630	7.29	
5900	5364					1442	5.88	1447	5.92	1482	6.19	1517	6.47	1552	6.76	1582	7.01	1647	7.57	
6000	5455							1469	6.20	1499	6.45	1534	6.73	1569	7.03	1599	7.29	1664	7.87	
6100	5545							1490	6.49	1520	6.74	1555	7.04	1585	7.30	1620	7.61	1685	8.20	
6200	5636							1512	6.79	1537	7.01	1572	7.31	1607	7.63	1637	7.90	1702	8.51	
6300	5727							1539	7.15	1559	7.33	1589	7.60	1624	7.92	1654	8.20	1719	8.83	
6400	5818							1565	7.51	1575	7.60	1610	7.93	1640	8.21	1675	8.54	1735	9.14	
6500	5909							1587	7.85	1597	7.94	1627	8.22	1662	8.56	1692	8.86	1752	9.47	
6600	6000										1614	8.24	1649	8.58	1679	8.88	1709	9.18	1769	9.81
6700	6091										1636	8.59	1666	8.90	1701	9.25	1731	9.57		
6800	6182										1662	9.00	1687	9.26	1717	9.57	1747	9.89		
6900	6273										1684	9.38	1704	9.59	1739	9.97				
7000	6364										1711	9.82	1726	9.98						

33 LS Ready Unit
Size 1-1/4"

Outlet	Velocity	1/4" SP	3/8" SP	1/2" SP	3/4" SP	1" SP	1 1/4" SP	1 1/2" SP	1 3/4" SP	2" SP	2 1/2" SP	3" SP	3 1/2" SP	4" SP	4 1/2" SP	5" SP	5 1/2" SP	6" SP	6 1/2" SP		
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
1200	896	338	0.08																		
1400	1045	358	0.11	408	0.14																
1600	1194	383	0.15	428	0.18	468	0.21														
1800	1343	412	0.19	452	0.23	487	0.26														
2000	1493	437	0.24	477	0.28	512	0.32	577	0.40												
2200	1642	467	0.31	502	0.35	537	0.39	597	0.48	657	0.57										
2400	1791	496	0.38	531	0.43	561	0.47	621	0.57	676	0.66	731	0.77								
2600	1940	526	0.47	556	0.51	591	0.57	646	0.67	696	0.77	746	0.87	796	0.99						
2800	2090	556	0.56	586	0.62	616	0.67	671	0.79	721	0.89	766	1.00	816	1.12	861	1.24				
3000	2239	585	0.67	615	0.73	645	0.80	695	0.91	745	1.03	790	1.14	835	1.27	868	1.31	920	1.52		
3200	2388	620	0.80	645	0.86	675	0.93	725	1.06	770	1.18	815	1.31	855	1.43	900	1.57	940	1.70		
3400	2537	650	0.94	675	1.01	700	1.17	750	1.21	795	1.35	840	1.48	880	1.61	920	1.75	955	1.88		
3600	2687	679	1.09	709	1.18	734	1.25	779	1.39	824	1.54	864	1.67	904	1.81	939	1.94	979	2.10		
3800	2836	714	1.27	739	1.35	764	1.43	809	1.59	849	1.73	889	1.88	929	2.03	964	2.17	999	2.32		
4000	2985	744	1.46	769	1.55	794	1.64	839	1.81	879	1.96	919	2.12	954	2.27	989	2.42	1024	2.58		
4200	3134	778	1.68	803	0.18	823	1.85	868	2.04	908	2.21	943	2.36	978	2.52	1013	2.68	1048	2.85		
4400	3284	813	1.92	833	2.01	853	2.09	898	2.29	933	2.45	973	2.64	1008	2.81	1043	2.99	1073	3.14		
4600	3433	848	2.19	863	2.25	888	2.37	928	2.56	963	2.74	998	2.92	1033	3.10	1068	3.29	1098	3.46		
4800	3582	887	2.50	897	2.54	917	2.64	957	2.85	992	3.04	1027	3.23	1062	3.43	1092	33.60	1127	3.81		
5000	3731	922	2.81	927	2.84	947	2.94	987	3.17	1022	3.37	1057	3.58	1087	3.76	1122	3.98	1152	4.17		
5200	3881	962	3.18	982	3.30	1017	3.50	1052	3.72	1087	3.94	1117	4.14	1147	4.34	1177	4.54	1237	4.96		
5400	4030		996	3.54	1011	3.63	1046	3.86	1081	4.09	1116	4.33	1146	4.54	1176	4.75	1206	4.97	1261	5.38	
5600	4179		1031	3.94	1046	4.04	1081	4.28	1111	4.49	1146	4.74	1176	4.97	1206	5.19	1231	5.39	1291	5.86	
5800	4328		1076	4.32	1076	4.43	1111	4.69	1141	4.91	1176	5.18	1206	5.42	1231	5.62	1261	5.87	1316	6.33	
6000	4478		1115	4.92	1110	4.88	1145	5.16	1175	5.40	1205	5.64	1235	5.89	1260	6.11	1290	6.37	1345	6.86	
6200	4627		1150	5.41	1150	5.41	1175	5.62	1205	5.87	1235	6.14	1265	6.40	1290	6.63	1320	6.90	1370	7.38	
6400	4776		1190	5.98	1205	6.11	1235	6.38	1265	6.66	1295	6.94	1320	7.18	1345	7.42	1400	7.97	1450	8.48	
6600	4925		1224	6.53	1239	6.67	1269	6.95	1294	7.20	1324	7.49	1349	7.45	1374	8.00	1429	8.58	1474	9.07	
6800	5075		1264	7.17	1269	7.22	1299	7.52	1329	7.83	1354	8.09	1379	8.36	1404	8.63	1454	9.18	1504	9.75	
7000	5224				1303	7.84	1333	8.16	1358	8.43	1383	8.70	1408	8.98	1433	9.27	1483	9.85	1528	10.39	
7200	5373				1338	8.50	1363	8.78	1388	9.07	1413	9.36	1438	9.65	1463	9.95	1513	10.57	1558	11.13	
7400	5522				1373	9.21	1393	9.44	1418	9.74	1448	10.11	1468	10.36	1493	10.67	1543	11.31	1588	11.91	
7600	5672				1412	9.99	1427	10.18	1452	10.50	1477	10.82	1502	11.14	1527	11.47	1572	12.08	1617	12.70	
7800	5821				1447	10.78	1457	10.91	1482	11.24	1507	11.57	1532	11.92	1557	12.26	1602	12.90	1642	13.47	
8000	5970				1482	11.60	1492	11.74	1517	12.08	1537	12.36	1562	12.72	1587	13.08	1632	13.75	1672	14.35	
8200	6119									1521	12.52	1546	12.88	1571	13.25	1596	13.62	1616	13.93	1661	14.62
8400	6269									1556	13.43	1581	13.81	1601	14.11	1626	14.50	1646	14.82	1691	15.55
8600	6418									1596	14.46	1611	14.69	1636	15.10	1656	15.42	1676	15.75	1721	16.51
8800	6567									1630	15.44	1645	15.69	1665	16.02	1685	16.36	1710	16.79	1750	17.49
9000	6716									1670	16.56	1675	16.65	1695	17.00	1720	17.44	1740	17.80	1780	18.53
	Notes:	Bold selections will require reinforcing and high speed balancing																			
	Performance shown is for fan with free inlet and ducted outlet. Standard air density 0.075 lb/cu.ft.																				
	Power ratings (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.																				

 1801 **17.89** 1841 **18.61** 1876 **19.24** 1916 **19.97**

**36-1/2 LS Ready Unit
Size 1-3/8**

40 LS Ready Unit

Size 1-1/2

Outlet	Velocity	1/4"	SP	3/8"	SP	1/2"	SP	3/4"	SP	1"	SP	1 1/4"	SP	1 1/2"	SP	1 3/4"	SP	2"	SP	2 1/2"	SP	3"	SP	3 1/2"	SP	4"	SP	4 1/2"	SP	5"	SP	5 1/2"	SP	6"	SP											
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP																			
1,400	722	269	0.09																																											
1,600	825	279	0.11																																											
1,800	928	295	0.14	335	0.17																																									
2,000	1031	305	0.16	345	0.20	385	0.25																																							
2,200	1134	321	0.20	361	0.25	396	0.29																																							
2,400	1237	336	0.24	371	0.29	406	0.34																																							
2,600	1340	352	0.29	387	0.34	422	0.40	482	0.51																																					
2,800	1443	367	0.34	402	0.40	432	0.45	492	0.58	547	0.71																																			
3,000	1546	388	0.40	418	0.46	448	0.53	503	0.65	553	0.78																																			
3,200	1649	403	0.47	433	0.53	463	0.60	513	0.73	563	0.86	613	1.02																																	
3,400	1753	419	0.54	449	0.61	479	0.69	529	0.83	579	0.98	624	1.12																																	
3,600	1856	439	0.62	469	0.71	494	0.78	544	0.93	589	1.07	634	1.23	679	1.41																															
3,800	1959	455	0.71	485	0.80	510	0.88	560	1.04	600	1.18	645	1.35	685	1.52	725	1.69																													
4,000	2062	475	0.82	500	0.90	525	0.98	575	1.16	615	1.31	655	1.48	695	1.65	735	1.83	775	2.03																											
4,200	2165	491	0.92	521	1.02	541	1.10	591	1.29	631	1.46	671	1.63	711	1.82	746	1.99	786	2.20																											
4,400	2268	511	1.04	536	1.14	561	1.24	606	1.43	646	1.61	686	1.79	721	1.97	756	2.15	791	2.34																											
4,600	2371	537	1.16	552	1.26	577	1.37	622	1.58	662	1.77	697	1.95	732	2.13	767	2.32	802	2.52	872	2.96																									
4,800	2474	547	1.30	572	1.42	597	1.54	637	1.73	677	1.94	712	2.13	747	2.32	782	2.53	817	2.74	882	3.17																									
5,000	2577	568	1.47	593	1.59	613	1.69	653	1.90	693	2.12	728	2.32	763	2.53	793	2.72	828	2.94	893	3.39	953	3.84																							
5,200	2680	588	1.64	608	1.74	628	1.85	668	2.07	708	2.31	743	2.52	778	2.75	808	2.94	838	3.15	903	3.62	963	4.09																							
5,400	2784	604	1.79	629	1.94	649	2.05	689	2.30	724	2.51	759	2.74	789	2.94	824	3.19	854	3.40	914	3.86	974	4.35	1029	4.84																					
5,600	2887	624	1.99	644	2.11	664	2.23	704	2.49	739	2.72	774	2.96	804	3.18	839	3.44	869	3.67	924	4.11	984	4.62	1039	5.12	1094	5.66																			
5,800	2990	645	2.20	665	2.33	685	2.46	720	2.70	755	2.95	790	3.21	820	3.43	850	3.67	880	3.91	940	4.41	995	4.91	1050	5.43	1100	5.94																			
6,000	3093	670	2.45	685	2.56	705	2.70	740	2.95	775	3.22	805	3.45	835	3.69	865	3.94	895	4.19	950	4.68	1005	5.20	1060	5.74	1110	6.27	1165	6.88																	
6,200	3196	691	2.70	701	2.77	721	2.92	756	3.19	791	3.47	821	3.72	851	3.97	881	4.23	911	4.50	966	5.01	1016	5.50	1071	6.07	1121	6.62	1171	7.20																	
6,400	3299	716	2.99	721	3.03	741	3.19	776	3.47	806	3.73	841	4.03	871	4.30	896	4.53	926	4.81	981	5.35	1031	5.86	1081	6.40	1131	6.97	1181	7.57	1231	8.20															
6,600	3402	737	3.27	737	3.27	757	3.43	792	3.73	827	4.05	857	4.32	887	4.61	912	4.85	942	5.15	992	5.66	1047	6.25	1092	6.76	1142	7.35	1192	7.97	1237	8.55	1282	9.16													
6,800	3505			757	3.55	777	3.73	812	4.05	842	4.33	872	4.62	902	4.92	932	5.23	957	5.49	1007	6.02	1057	6.59	1107	7.17	1152	7.73	1202	8.37	1247	8.97	1292	9.60													
7,000	3608			778	3.86	793	4.00	828	4.34	858	4.64	888	4.94	918	5.25	948	5.58	973	5.85	1023	6.41	1073	7.00	1118	7.55	1168	8.19	1213	8.79	1258	9.42	1303	10.07	1343	10.67											
7,200	3711			803	4.23	813	4.33	848	4.68	878	5.00	908	5.32	933	5.59	963	5.93	988	6.22	1038	6.81	1088	7.42	1133	8.00	1178	8.59	1223	9.22	1268	9.86	1308	10.46	1353	11.16											
7,400	3814			824	4.58	834	4.68	864	5.00	894	5.33	924	5.67	954	6.01	979	6.31	1004	6.61	1054	7.23	1099	7.80	1149	8.47	1189	9.02	1234	9.67	1279	10.34	1319	10.96	1364	11.68											
7,600	3918			849	4.99	854	5.04	884	5.38	914	5.73	944	6.08	969	6.38	994	6.70	1019	7.01	1069	7.65	1114	8.25	1159	8.88	1204	9.52	1249	10.19	1289	10.81	1329	11.45	1374	12.19											
7,800	4021			870	5.38	900	5.73	930	6.09	960	6.46	985	6.78	1010	7.10	1053	7.43	1085	8.10	1130	8.73	1175	9.38	1220	10.05	1260	10.67	1300	11.31	1345	12.05	1385	12.74													
8,000	4124			890	5.78	920	6.14	950	6.52	975	6.85	1005	7.24	1030	7.58	1055	7.92	1100	8.56	1145	9.21	1190	9.89	1230	10.51	1275	11.23	1315	11.89	1355	12.57	1395	13.28													
8,200	4227			916	6.27	941	6.59	966	6.92	996	7.33	1021	7.67	1046	8.02	1071	8.38	1116	9.04	1161	9.73	1206	10.43	1246	11.07	1286	11.74	1326	12.42	1366	13.13	1406	13.85													
8,400	4330			936	6.71	956	6.97	986	7.39	1011	7.74	1036	8.10	1061	8.47	1086	8.84	1131	9.53	1176	10.24	1221	10.97	1261	11.64	1301	12.33	1341	13.04	1381	13.77	1416	14.43													
8,600	4433			957	7.18	977	7.46	1002	7.82	1032	8.26	1057	8.64	1082	9.02	1102	9.33	1147	10.05	1192	10.79	1237	11.55	1277	12.24	1317	12.96	1352	13.60	1392	14.35	1427	15.03													
8,800	4536			982	7.73	997	7.95	1022	8.33	1047	8.71	1072	9.10	1097	9.50	1122	9.91	1167	10.66	1207	11.34	1252	12.13	1292	12.85	1327	13.50	1367	14.25	1407	15.03	1442	15.73													
9,000	4639																																													

49 LS Ready Unit
Size 1-3/4

Outlet	Velocity	1/4" SP	3/8" SP	1/2" SP	3/4" SP	1" SP	1 1/4" SP	1 1/2" SP	1 3/4" SP	2" SP	2 1/2" SP	3" SP	3 1/2" SP	4" SP	4 1/2" SP	5" SP	5 1/2" SP	6" SP	6 1/2" SP				
	CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP			
	1750	665	242	0.10																			
	2000	760	243	0.12	298	0.18																	
	2250	856	250	0.14	300	0.20	345	0.27															
	2500	951	261	0.17	301	0.23	346	0.30															
	2750	1046	273	0.21	308	0.26	348	0.33	423	0.50													
	3000	1141	284	0.25	319	0.31	354	0.37	424	0.54													
	3250	1236	296	0.29	331	0.36	361	0.42	426	0.59	486	0.77											
	3500	1331	308	0.35	343	0.42	368	0.48	428	0.64	488	0.83											
	3750	1426	324	0.41	354	0.48	379	0.55	434	0.70	489	0.89	544	1.11									
	4000	1521	336	0.47	366	0.55	391	0.63	441	0.78	496	0.98	546	1.16									
	4250	1616	352	0.55	377	0.63	402	0.71	452	0.88	502	1.07	547	1.26	597	1.51							
	4500	1711	364	0.63	389	0.71	414	0.80	464	0.98	509	1.17	554	1.37	599	1.60							
	4750	1806	376	0.71	406	0.82	431	0.91	476	1.10	516	1.27	561	1.49	601	1.70	646	1.97					
	5000	1901	392	0.81	417	0.91	442	1.02	487	1.21	527	1.40	567	1.61	607	1.83	647	2.07					
	5250	1996	409	0.93	434	1.04	454	1.13	499	1.34	539	1.55	574	1.74	614	1.97	654	2.23					
	5500	2091	420	1.03	445	1.15	470	1.27	510	1.48	550	1.69	585	1.90	620	2.11	660	2.38	695	2.63			
	5750	2186	442	1.19	462	1.29	482	1.40	522	1.62	562	1.86	597	2.07	632	2.30	667	2.55	702	2.81			
	6000	2281	458	1.33	473	1.42	493	1.53	533	1.77	573	2.02	608	2.25	638	2.46	673	2.72	708	2.99			
	6250	2376	480	1.52	490	1.58	510	1.71	550	1.97	585	2.20	615	2.41	650	2.67	680	2.90	715	3.19			
	6500	2471	497	1.70	502	1.73	522	1.86	562	2.14	597	2.39	627	2.62	662	2.89	692	3.14	722	3.39			
	6750	2567			518	1.92	538	2.06	573	2.32	608	2.59	643	2.86	673	3.11	703	3.37	733	3.61			
	7000	2662			535	2.12	550	2.23	590	2.55	620	2.86	655	3.09	685	3.36	715	3.63	740	3.87			
	7250	2757			556	2.37	566	2.45	601	2.75	636	3.05	666	3.32	696	3.60	726	3.89	751	4.14			
	7500	2852			573	2.61	578	2.65	613	2.96	648	3.28	678	3.57	708	3.87	733	4.12	763	4.43			
	7750	2947				594	2.89	629	3.22	659	3.52	689	3.82	719	4.13	749	4.45	774	4.73				
	8000	3042				611	3.11	641	3.46	676	3.82	706	4.14	731	4.42	761	4.76	786	5.05				
	8250	3137				633	3.50	658	3.76	688	4.09	718	4.43	743	4.72	773	5.08	798	5.38				
	8500	3232				649	3.79	669	4.01	704	4.42	729	4.71	759	5.08	784	5.39	809	5.71				
	8750	3327				671	4.12	686	4.34	716	4.71	746	5.09	771	5.41	796	5.73	821	6.07				
	9000	3422					687	4.50	702	4.68	727	5.00	757	5.40	782	5.73	807	6.08	832	6.43			
	9250	3517						709	4.92	714	4.98	744	5.39	769	5.73	799	6.16	824	6.52				
	9500	3612							726	5.30	756	5.72	786	6.15	811	6.52	836	6.90	866	7.21			
	9750	3707							747	5.76	772	6.12	797	6.50	822	6.89	847	7.29	872	7.69			
	10000	3802							764	6.18	784	6.49	814	6.96	839	7.37	859	7.70	884	8.12			
	10250	3897							785	6.68	800	6.93	825	7.34	850	7.76	875	8.19	905	8.95			
	10500	3992							802	7.15	812	7.32	842	7.83	862	8.19	887	8.64	912	9.10			
	10750	4087							823	7.70	828	7.79	853	8.24	878	8.70	903	9.17	923	9.56			
	11000	4183							840	8.21	845	8.31	870	8.78	890	9.16	915	9.65	935	10.05			
	11250	4278								857	8.75	882	9.23	907	9.73	927	10.14	952	10.66	992	11.51		
	11500	4373								878	9.38	898	9.79	918	10.20	943	10.73	963	11.16	1003	12.04		
	11750	4468								895	9.96	916	10.28	935	10.82	955	11.26	975	11.71	1020	12.73		
	12000	4563								916	10.66	926	10.88	946	11.32	971	11.89	991	12.36	1031	13.31		
	12250	4658								933	11.29	938	11.40	963	11.98	983	12.46	1003	12.94	1043	13.92		
	12500	4753									954	12.04	974	12.52	999	13.13	1019	13.63	1059	14.65	1094	15.57	
	12750	4848									971	12.73	991	13.22	1011	13.73	1031	14.25	1071	15.03	1111	16.39	
	13000	4943									993	13.56	1003	13.82	1028	14.48	1048	15.02	1083	15.97	1123	17.09	
	13250	5038									1009	14.28	1019	14.55	1039	15.09	1059	15.64	1099	16.77	1134	17.79	
	13500	5133									1031	15.19	1036	15.32	1056	15.89	1076	16.46	1111	17.48	1151	18.68	
	13750	5228										1052	16.10	1067	16.54	1087	17.13	1127	18.33	1162	19.41		
	14000	5323										1069	16.93	1084	17.38	1104	17.99	1139	19.08				
	14250	5418										1086	17.79	1096	18.10	1116	18.73						
	14500	5513										1107	18.80	1112	18.96	1132	19.61						
	14750	5608											1124	19.72									

Notes: **Bold** selections will require reinforcing and high speed balancing

Performance shown is for fan with free inlet and ducted outlet. Standard air density 0.075 lb/cu.ft.

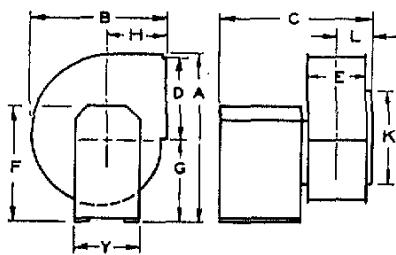
Power ratings (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

54 LS Ready Unit
Size 2

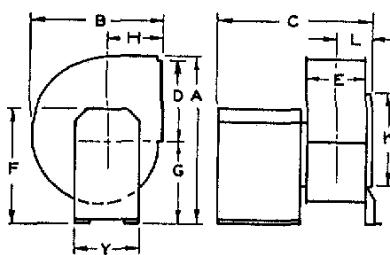
READY UNIT DIMENSIONS

Ready Units are available in either Clockwise (shown) or Counter-Clockwise Rotation

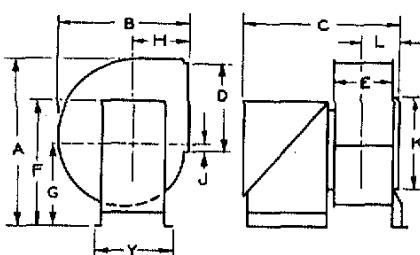
SIZES 18 THROUGH 33



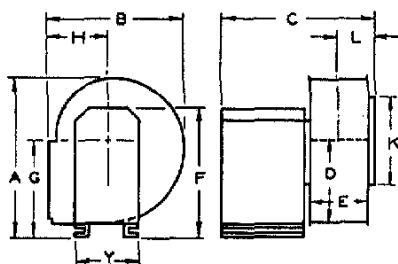
SIZE 36 1/2



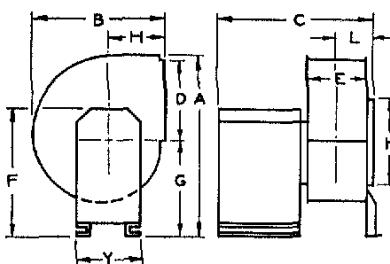
SIZES 49 THROUGH 73



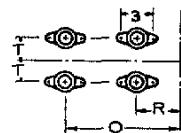
SIZE 33 BHD ONLY



SIZES 40 AND 44 1/2

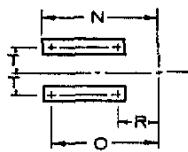


VIBRATION ISOLATOR FOUNDATIONS
ISOLATORS 1 1/8 HIGH

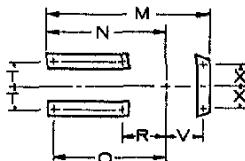


FOUNDATIONS

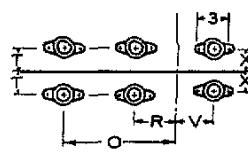
SIZES 18 THROUGH 33



SIZES 36 1/2 THROUGH 73



SIZES 18 THROUGH 33



SIZES 36 1/2 THROUGH 73

UNIT SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	R	T	V	X	Y	Shaft Dia.	KEYWAY IN DRIVE HUB
	W			*					*											W	D
18-LS	25 5/16	17	28 3/4	9 3/4	7 1/2	22 1/8	14 7/8	8 1/8	0	9 3/4	5 1/4	—	23 5/16	20 1/8	8 1/8	8 1/8	—	—	17 5/8	1	1/4 1/8
24 1/2-LS & MS	28 1/2	22 1/4	31 1/8	12 15/16	10	22 1/8	14 7/8	10 3/16	0	15 3/8	7 1/2	—	24 1/16	21 1/8	9 3/8	8 1/8	—	—	17 5/8	1	1/4 1/8
27-LS & MS	32 3/8	24	34 7/8	14 9/16	11	25 1/8	17 1/2	10 7/8	0	16 5/8	8	—	27 1/16	23 7/8	9 3/8	8 1/8	—	—	17 5/8	13/16	1/4 1/8
30-LS & MS	34	26 3/16	36	15 13/16	12	25 1/8	17 1/2	11 11/16	0	18 1/4	8 9/16	—	27 7/8	24 7/16	10 7/16	8 1/8	—	—	17 5/8	13/16	1/4 1/8
33-LS & MS	*35 1/2	28 1/16	37 3/8	17 1/16	13 3/8	*25 1/8	*17 1/2	12 5/16	0	19 3/4	9 1/4	—	28 5/16	25 1/8	11 1/8	8 1/8	—	—	17 5/8	13/16	1/4 1/8
36 1/2-LS & MS	40 7/16	30 7/8	38 3/4	19 1/16	14 3/8	29 1/2	20 1/2	13 1/2	0	22	9 15/16	40 9/16	29	25 13/16	11 13/16	8 9/16	9 15/16	6 1/4	17 5/8	17/16	3/8 3/16
40-LS & MS	45 5/16	33 3/16	40 1/8	21 1/16	16 1/8	29 1/2	23 1/2	14 1/8	0	24	10 1/8	42 1/16	29 11/16	26 1/2	12 1/2	8 1/8	11	7 5/16	17 5/8	17/16	3/8 3/16
44 1/2-LS & MS	49 9/16	37	41 1/8	23 3/16	17 7/8	29 1/2	25	16	0	27	11 1/2	43 1/16	30 9/16	27 3/8	13 3/8	8 1/8	11 7/8	7 7/8	17 5/8	17/16	3/8 3/16
49-LS & MS	53 7/16	40 7/16	50 1/16	25 1/16	19 1/4	40 1/16	27	17 3/8	0	29	12 7/16	51 1/4	37 7/16	35 9/16	15 1/16	13 3/8	12 13/16	8 3/8	17 5/8	13 1/16	3/8 3/16
54-AF & MS	59 13/16	46 15/16	51 1/4	29 7/16	20 7/8	43 1/16	30	19 11/16	7/8	32	13 1/16	53 1/16	38 9/16	36 1/8	15 1/8	13 3/8	14 1/16	9 7/16	28 1/2	13 1/16	3/8 3/16
60-AF & MS	65 7/8	51 1/8	53 1/2	32 1/16	23 1/8	46 1/16	33	21 1/16	1 1/8	35	14 9/16	56 9/16	39 1/4	37 1/4	16 1/4	13 3/8	15 5/16	10 1/2	28 1/2	13 1/16	3/8 3/16
66-AF & MS	71 7/8	56 3/4	56 3/8	35 3/4	25 1/2	49 1/16	36	23 3/4	1 1/8	38	15 7/8	58 9/16	40 7/16	38 7/16	17 15/16	13 3/8	16 3/8	11 1/8	28 1/2	23 1/16	1/2 1/4
73-AF & MS	79 7/8	62 9/16	59 1/8	39 1/16	28 1/4	53 1/16	40	26	1 1/16	42	17 1/4	61 13/16	41 13/16	39 13/16	19 9/16	13 3/8	17 7/8	12 3/4	28 1/2	23 1/16	1/2 1/4

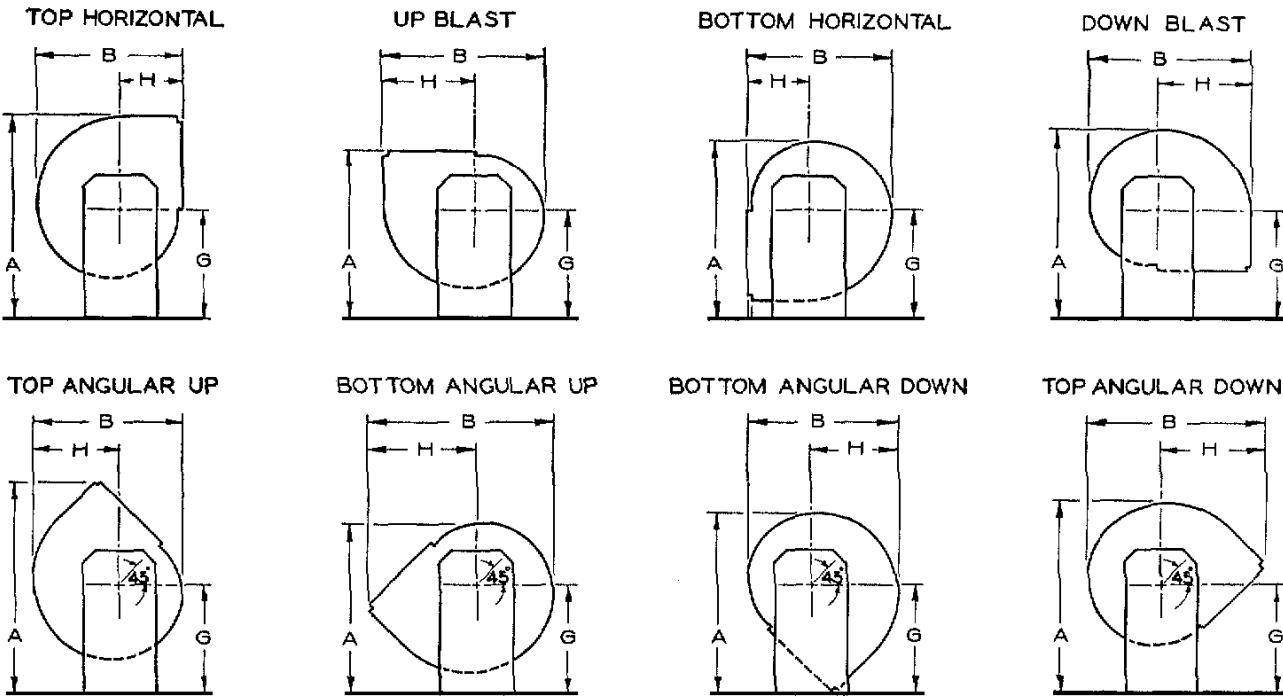
*Size 33 BHD only: *A=32 7/8, *G=19 1/2 & F=27 1/2

*Outlet dimensions are outside.

†Outside diameter.

All dimensions are in inches.

READY UNIT DIMENSIONS In 8 Clockwise Discharges



For more complete information, when specifying Rotation and Discharge, see page 4. Care must be exercised in making layouts requiring COUNTER-CLOCKWISE rotation units, since such units have motor and drive on opposite side of fan housing from that shown in drawings on preceding page.

FAN SIZE	THD				UBD				BHD				DBD			
	A	B	H	G	A	B	H	G	A	B	H	G	A	B	H	G
18-LS	25 $\frac{1}{16}$	17	8 $\frac{1}{8}$	14 $\frac{7}{8}$	23	18 $\frac{5}{16}$	10 $\frac{7}{16}$	14 $\frac{7}{8}$	22 $\frac{3}{4}$	17	8 $\frac{1}{8}$	14 $\frac{7}{8}$	23 $\frac{3}{4}$	18 $\frac{5}{16}$	10 $\frac{7}{16}$	14 $\frac{7}{8}$
24 $\frac{1}{2}$ -LS & MS	28 $\frac{1}{2}$	22 $\frac{1}{4}$	10 $\frac{3}{16}$	14 $\frac{7}{8}$	25 $\frac{1}{16}$	24 $\frac{1}{8}$	13 $\frac{3}{8}$	14 $\frac{7}{8}$	25 $\frac{3}{8}$	22 $\frac{1}{4}$	10 $\frac{3}{16}$	14 $\frac{7}{8}$	26 $\frac{1}{16}$	24 $\frac{1}{8}$	13 $\frac{3}{8}$	14 $\frac{7}{8}$
27-LS & MS	32 $\frac{3}{8}$	24	10 $\frac{7}{8}$	17 $\frac{1}{2}$	28 $\frac{3}{8}$	26 $\frac{1}{4}$	14 $\frac{7}{8}$	17 $\frac{1}{2}$	28 $\frac{7}{8}$	24	10 $\frac{7}{8}$	17 $\frac{1}{2}$	30 $\frac{5}{8}$	26 $\frac{1}{4}$	14 $\frac{7}{8}$	17 $\frac{1}{2}$
30-LS & MS	34	26 $\frac{3}{16}$	11 $\frac{1}{16}$	17 $\frac{1}{2}$	29 $\frac{3}{16}$	28 $\frac{1}{16}$	16 $\frac{1}{2}$	17 $\frac{1}{2}$	29 $\frac{15}{16}$	26 $\frac{3}{16}$	11 $\frac{1}{16}$	17 $\frac{1}{2}$	32	28 $\frac{1}{16}$	16 $\frac{1}{2}$	17 $\frac{1}{2}$
33-LS & MS	35 $\frac{1}{2}$	28 $\frac{1}{16}$	12 $\frac{7}{16}$	17 $\frac{1}{2}$	29 $\frac{11}{16}$	31 $\frac{3}{8}$	18	17 $\frac{1}{2}$	32 $\frac{7}{8}$	28 $\frac{1}{16}$	12 $\frac{7}{16}$	19 $\frac{1}{2}$	33 $\frac{1}{4}$	31 $\frac{1}{8}$	18	17 $\frac{1}{2}$
36 $\frac{1}{2}$ -LS & MS	40 $\frac{1}{16}$	30 $\frac{7}{8}$	13 $\frac{1}{2}$	20 $\frac{1}{2}$	34	34 $\frac{3}{4}$	19 $\frac{15}{16}$	20 $\frac{1}{2}$	35 $\frac{5}{16}$	30 $\frac{7}{8}$	13 $\frac{1}{2}$	20 $\frac{1}{2}$	37 $\frac{7}{8}$	34 $\frac{3}{4}$	19 $\frac{15}{16}$	20 $\frac{1}{2}$
40-LS & MS	45 $\frac{1}{16}$	33 $\frac{3}{16}$	14 $\frac{3}{8}$	23 $\frac{1}{2}$	38 $\frac{1}{8}$	37 $\frac{15}{16}$	21 $\frac{11}{16}$	23 $\frac{1}{2}$	39 $\frac{5}{8}$	33 $\frac{3}{16}$	14 $\frac{3}{8}$	23 $\frac{1}{2}$	42 $\frac{1}{16}$	37 $\frac{15}{16}$	21 $\frac{11}{16}$	23 $\frac{1}{2}$
44 $\frac{1}{2}$ -LS & MS	49 $\frac{3}{16}$	37	16	25	41	42 $\frac{1}{16}$	24 $\frac{3}{16}$	25	42 $\frac{7}{8}$	37	16	25	46	42 $\frac{1}{16}$	24 $\frac{3}{16}$	25
49-LS & MS	53 $\frac{3}{16}$	40 $\frac{7}{16}$	17 $\frac{3}{8}$	27	44 $\frac{3}{8}$	46	26 $\frac{1}{16}$	27	46 $\frac{1}{16}$	40 $\frac{7}{16}$	17 $\frac{3}{8}$	27	50 $\frac{1}{16}$	46	26 $\frac{1}{16}$	27
54-AF & MS	59 $\frac{11}{16}$	46 $\frac{15}{16}$	19 $\frac{1}{16}$	30	49 $\frac{11}{16}$	52 $\frac{3}{4}$	29 $\frac{11}{16}$	30	52 $\frac{15}{16}$	46 $\frac{1}{16}$	19 $\frac{11}{16}$	30	57 $\frac{1}{4}$	52 $\frac{3}{4}$	29 $\frac{13}{16}$	30
60-AF & MS	65 $\frac{7}{8}$	51 $\frac{1}{8}$	21 $\frac{1}{16}$	33	54 $\frac{1}{16}$	58 $\frac{1}{8}$	32 $\frac{7}{8}$	33	58 $\frac{1}{4}$	51 $\frac{1}{8}$	21 $\frac{1}{16}$	33	63 $\frac{1}{16}$	58 $\frac{1}{8}$	32 $\frac{7}{8}$	33
66-AF & MS	71 $\frac{7}{8}$	56 $\frac{3}{4}$	23 $\frac{3}{4}$	36	59 $\frac{3}{4}$	63 $\frac{5}{8}$	35 $\frac{7}{8}$	36	63 $\frac{3}{4}$	56 $\frac{3}{4}$	23 $\frac{3}{4}$	36	68	63 $\frac{3}{8}$	35 $\frac{7}{8}$	36
73-AF & MS	79 $\frac{7}{8}$	62 $\frac{1}{16}$	26	40	66	70 $\frac{1}{16}$	39 $\frac{7}{8}$	40	70 $\frac{11}{16}$	62 $\frac{1}{16}$	26	40	76 $\frac{1}{16}$	70 $\frac{1}{16}$	39 $\frac{7}{8}$	40

FAN SIZE	TAUD				BAUD				BADD				TADD			
	A	B	H	G	A	B	H	G	A	B	H	G	A	B	H	G
18-LS	27 $\frac{1}{2}$	16 $\frac{3}{4}$	9 $\frac{3}{8}$	14 $\frac{7}{8}$	22 $\frac{1}{4}$	21	12 $\frac{5}{8}$	14 $\frac{7}{8}$	23 $\frac{1}{4}$	16 $\frac{3}{4}$	9 $\frac{3}{8}$	14 $\frac{7}{8}$	24 $\frac{1}{4}$	21	12 $\frac{5}{8}$	14 $\frac{7}{8}$
24 $\frac{1}{2}$ -LS & MS	31 $\frac{3}{16}$	22 $\frac{1}{16}$	12 $\frac{11}{16}$	14 $\frac{7}{8}$	24 $\frac{3}{8}$	27 $\frac{1}{16}$	16 $\frac{3}{16}$	14 $\frac{7}{8}$	26 $\frac{1}{8}$	22 $\frac{1}{16}$	12 $\frac{11}{16}$	14 $\frac{7}{8}$	27 $\frac{11}{16}$	27 $\frac{1}{16}$	16 $\frac{3}{16}$	14 $\frac{7}{8}$
27-LS & MS	35 $\frac{1}{4}$	24 $\frac{3}{8}$	14	17 $\frac{1}{2}$	28 $\frac{3}{8}$	30	17 $\frac{3}{8}$	17 $\frac{1}{2}$	29 $\frac{3}{4}$	24 $\frac{3}{8}$	14	17 $\frac{1}{2}$	31 $\frac{1}{2}$	30	17 $\frac{3}{8}$	17 $\frac{1}{2}$
30-LS & MS	37	26 $\frac{15}{16}$	15 $\frac{1}{2}$	17 $\frac{1}{2}$	28 $\frac{15}{16}$	32 $\frac{1}{16}$	19 $\frac{1}{2}$	17 $\frac{1}{2}$	30 $\frac{15}{16}$	26 $\frac{1}{16}$	15 $\frac{1}{2}$	17 $\frac{1}{2}$	33	32 $\frac{1}{16}$	19 $\frac{1}{2}$	17 $\frac{1}{2}$
33-LS & MS	38 $\frac{1}{2}$	29 $\frac{3}{16}$	16 $\frac{1}{16}$	17 $\frac{1}{2}$	29 $\frac{3}{4}$	35 $\frac{1}{16}$	21	17 $\frac{1}{2}$	32 $\frac{1}{16}$	29 $\frac{3}{16}$	16 $\frac{1}{16}$	17 $\frac{1}{2}$	34 $\frac{7}{16}$	35 $\frac{1}{16}$	21	17 $\frac{1}{2}$
36 $\frac{1}{2}$ -LS & MS	43 $\frac{3}{8}$	32 $\frac{1}{4}$	18 $\frac{11}{16}$	20 $\frac{1}{2}$	34 $\frac{1}{16}$	39 $\frac{1}{16}$	23 $\frac{1}{8}$	20 $\frac{1}{2}$	36 $\frac{1}{16}$	32 $\frac{1}{4}$	18 $\frac{11}{16}$	20 $\frac{1}{2}$	39 $\frac{1}{16}$	39 $\frac{1}{16}$	23 $\frac{1}{8}$	20 $\frac{1}{2}$
40-LS & MS	48 $\frac{3}{8}$	35 $\frac{1}{8}$	20 $\frac{3}{8}$	23 $\frac{1}{2}$	38 $\frac{1}{4}$	42 $\frac{1}{16}$	25 $\frac{1}{4}$	23 $\frac{1}{2}$	41 $\frac{1}{16}$	35 $\frac{1}{8}$	20 $\frac{3}{8}$	23 $\frac{1}{2}$	43 $\frac{7}{16}$	42 $\frac{1}{16}$	25 $\frac{1}{4}$	23 $\frac{1}{2}$
44 $\frac{1}{2}$ -LS & MS	52 $\frac{15}{16}$	38 $\frac{15}{16}$	22 $\frac{5}{8}$	25	41 $\frac{1}{16}$	47 $\frac{3}{8}$	27 $\frac{1}{16}$	25	44 $\frac{7}{8}$	38 $\frac{15}{16}$	22 $\frac{5}{8}$	25	47 $\frac{3}{8}$	47 $\frac{3}{8}$	27 $\frac{15}{16}$	25
49-LS & MS	57 $\frac{1}{2}$	42 $\frac{11}{16}$	24 $\frac{11}{16}$	27	44 $\frac{7}{8}$	51 $\frac{13}{16}$	30 $\frac{1}{2}$	27	48 $\frac{3}{16}$	42 $\frac{11}{16}$	24 $\frac{11}{16}$	27	51 $\frac{3}{16}$	51 $\frac{13}{16}$	30 $\frac{1}{2}$	27
54-AF & MS	64 $\frac{1}{8}$	49 $\frac{1}{16}$	28 $\frac{1}{2}$	30	50 $\frac{1}{16}$	59 $\frac{1}{16}$	34 $\frac{1}{8}$	30	55 $\frac{1}{16}$	49 $\frac{1}{16}$	28 $\frac{1}{2}$	30	58 $\frac{1}{2}$	59 $\frac{1}{16}$	34 $\frac{1}{8}$	30
60-AF & MS	70 $\frac{3}{8}$	54 $\frac{3}{16}$	31 $\frac{1}{2}$	33	55 $\frac{1}{16}$	65 $\frac{3}{16}$	37 $\frac{3}{8}$	33	60 $\frac{1}{16}$	54 $\frac{3}{16}$	31 $\frac{1}{2}$	33	64 $\frac{1}{2}$	65 $\frac{3}{16}$	37 $\frac{3}{8}$	33
66-AF & MS	77 $\frac{1}{4}$	59 $\frac{1}{16}$	34 $\frac{1}{16}$	36	61	71 $\frac{11}{16}$	41 $\frac{1}{4}$	36	66 $\frac{11}{16}$	59 $\frac{1}{16}$	34 $\frac{1}{16}$	36	70 $\frac{1}{16}$	71 $\frac{1}{16}$	41 $\frac{1}{4}$	36
73-AF & MS	85 $\frac{11}{16}$	65 $\frac{13}{16}$	38 $\frac{1}{4}$	40	67 $\frac{1}{16}$	79 $\frac{11}{16}$	45 $\frac{1}{16}$	40	74	65 $\frac{1}{16}$	38 $\frac{1}{4}$	40	78 $\frac{1}{4}$	79 $\frac{11}{16}$	45 $\frac{11}{16}$	40

All dimensions in inches.