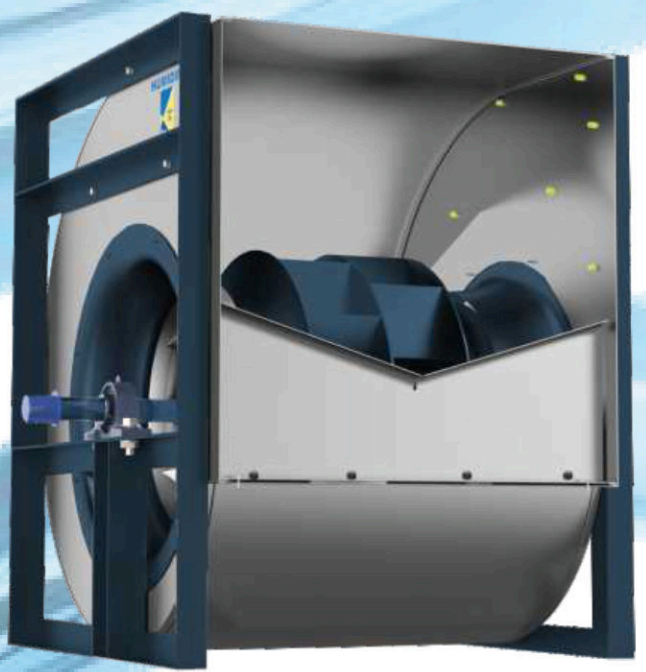
HUMIDIN®

CENTRIFUGAL FAN (DIDW)

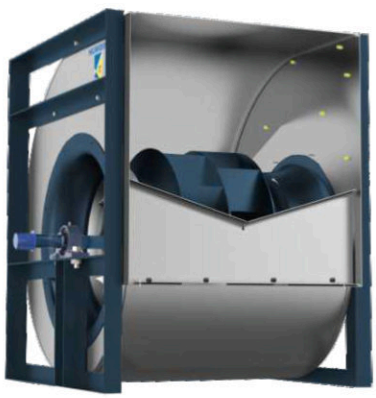


MEMBER

Quality Speaks For Itself

BACKWARD CURVED

LIMIT LOAD FAN



AEROFOIL CURVED

HUMIDIN CENTRIFUGAL FAN DIDW-BACKWARD / AEROFOIL / LIMIT LOAD FANS

CENTRIFUGAL BLOWERS, DIDW Fans, are designed to move air or gases by converting rotational kinetic energy into pressure energy. These blowers are used in a wide variety of applications where controlled, high-pressure Air moves is required. The (DIDW) designation indicates two inlets and double-width construction, which together allow for higher efficiency and greater Air moves capacity. The blades optimize the blower's performance by reducing the potential for cavitation and improving energy efficiency.

FEATURES:

1. Double Inlet (DIDW):

Two Inlets: The blower has two intake ports (inlets) instead of one, allowing it to draw air from both sides of the unit. This configuration enhances Air moves capacity and helps balance the load across the system.

2. Backward / Aerofoil / Limit Load Fan Blades:

Blade Design: The blades are angled in such a way that they curve backward (opposite of the Air moves). This design minimizes turbulence, reduces noise, and increases efficiency compared to other blade types (such as forward curve blades).

Energy Efficiency: blades generally require less energy to achieve the same Air moves, leading to lower power consumption and reduced operating costs.

3. Versatility in Pressure Handling:

High Pressure Capability: DIDW backward curve /Aerofoil blowers are designed for applications where higher system pressures are encountered, making them ideal for heavy-duty tasks like air handling and fume extraction systems.
Stable Operation: These blowers maintain a consistent Air moves even when the pressure in the system fluctuates, ensuring reliable operation.

4. Noise Reduction:

The backward curve blades also help reduce operational noise, as they generate less turbulence. This makes the blower suitable for environments where noise control is a priority, such as in commercial HVAC systems.

5. Shaft

The shaft used for the fan are made of EN-8/SAE-1040 carbon steel and machined to the prescribed tolerances with standard key ways The Shaft are grinded for better performance and finish. The Shafts are coated with Varnish/Laquer after assembly.

6. Bearings

HUMIDIN Backward curved blower have (NTN/FYH bearings) of international standard The Bearings are either deep groove ball bearings or spherical roller bearings with accentric locking collars/adaptor sleeve sealed at both sides. The Bearings are pre- lubricated and are maintenance free.

MATERIAL OF CONSTRUCTION:

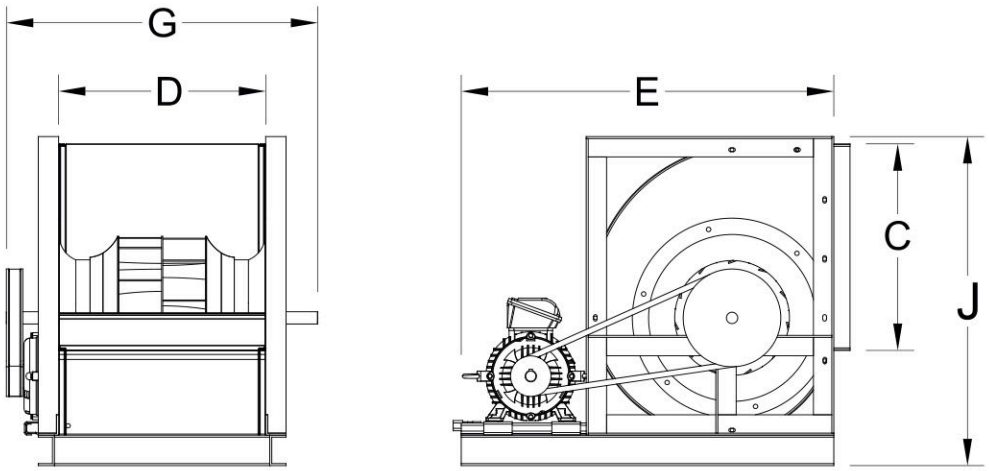
- CASING - GI/MS/SS/MS(HOT DIP GALVANIZED)
- SHAFT - MS (EN 8) / SS
- BEARING - PILLOW BLOCK
- IMPELLER - MS/GI/SS
- IMPELLER HUB - CI / CI WITH TAPPER BUSH ARRANGEMENT
- SIDE FRAME - MS / SS
- INLET CONE - FRP/MS/GI/SS

APPLICATIONS

- HVAC Systems:
- Air Handling Units (AHUs):
- Industrial Process Ventilation:
- Clean Room Applications:

HUMIDIN®

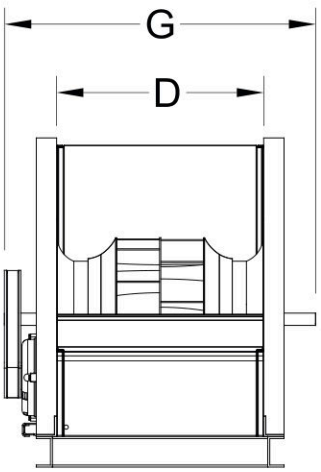
DIMENSIONS TABLE OF BACKWARD CURVED (DIDW) SERIES

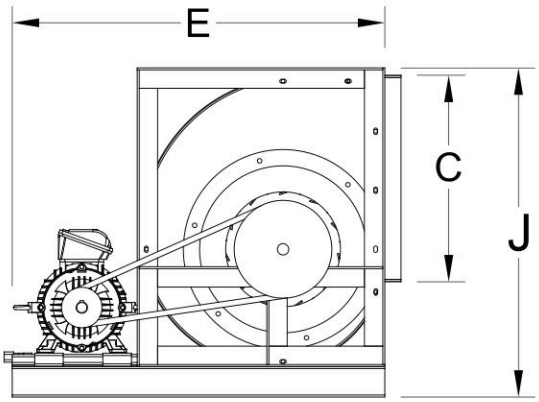


CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
1000	30	DIDW	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	40	DIDW	180	7.26	0.5	69.2	59	2929	228	228	570	395	405
	50	DIDW	180	7.26	0.75	71.4	60	3127	228	228	570	395	405
	60	DIDW	180	7.26	0.75	72.4	61	3318	228	228	570	395	405
	70	DIDW	180	7.26	1	72.7	62	3506	228	228	570	395	405
	80	DIDW	180	7.26	1	72.5	63	3691	228	228	570	395	405
2000	30	DIDW	250	8.99	1	55.4	65	2509	322	322	666	530	549
	40	DIDW	250	8.99	1.5	60.9	65	2656	322	322	666	530	549
	50	DIDW	250	8.99	1.5	64.9	66	2796	322	322	666	530	549
	60	DIDW	250	8.99	1.5	67.7	66	2929	322	322	666	530	549
	70	DIDW	250	8.99	2	69.6	67	3055	322	322	666	530	549
	80	DIDW	250	8.99	2	70.9	68	3179	322	322	666	530	549
3000	30	DIDW	315	8.69	1.5	57.9	65	1922	404	404	751	625	656
	40	DIDW	315	8.69	2	63.3	66	2043	404	404	751	625	656
	50	DIDW	315	8.69	2	67	66	2157	404	404	751	625	656
	60	DIDW	315	8.69	3	69.4	67	2265	404	404	751	625	656
	70	DIDW	315	8.69	3	70.9	67	2369	404	404	751	625	656
	80	DIDW	315	8.69	3	71.8	68	2471	404	404	751	625	656
4000	30	DIDW	355	9.26	2	56.3	66	1758	452	452	810	710	729
	40	DIDW	355	9.26	3	61.8	67	1862	452	452	810	710	729
	50	DIDW	355	9.26	3	65.6	68	1961	452	452	810	710	729
	60	DIDW	355	9.26	3	68.3	68	2055	452	452	810	710	729
	70	DIDW	355	9.26	5	70.1	71	2144	452	452	847	710	729
	80	DIDW	355	9.26	5	71.3	69	2232	452	452	847	710	729
5000	30	DIDW	400	9.22	3	57.1	66	1545	507	507	916	765	809
	40	DIDW	400	9.22	3	62.5	67	1638	507	507	916	765	809
	50	DIDW	400	9.22	5	66.3	68	1727	507	507	916	765	809
	60	DIDW	400	9.22	5	68.8	68	1810	507	507	916	765	809
	70	DIDW	400	9.22	5	70.5	69	1891	507	507	916	765	809
	80	DIDW	400	9.22	5	71.7	70	1969	507	507	916	765	809
6000	30	DIDW	450	8.77	3	59.2	66	1329	568	568	992	885	900
	40	DIDW	450	8.77	5	64.4	66	1415	568	568	992	885	900
	50	DIDW	450	8.77	5	67.9	67	1495	568	568	992	885	900
	60	DIDW	450	8.77	5	70.1	68	1572	568	568	992	885	900
	70	DIDW	450	8.77	5	71.5	69	1645	568	568	992	885	900
	80	DIDW	450	8.77	7.5	72.3	69	1718	568	568	1025	885	900

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE





CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
8000	30	DIDW	500	9.4	5	56.1	68	1255	634	634	758	950	990
	40	DIDW	500	9.4	5	61.6	68	1328	634	634	758	950	990
	50	DIDW	500	9.4	5	65.4	69	1398	634	634	758	950	990
	60	DIDW	500	9.4	7.5	68.2	70	1464	634	634	758	950	990
	70	DIDW	500	9.4	7.5	70	70	1528	634	634	758	950	990
	80	DIDW	500	9.4	7.5	71.3	71	1589	634	634	758	950	990
9000	30	DIDW	560	8.43	5	60.3	66	1048	710	710	1190	1065	1100
	40	DIDW	560	8.43	5	65.4	67	1118	710	710	1190	1065	1100
	50	DIDW	560	8.33	7.5	68.6	67	1184	710	710	1190	1065	1100
	60	DIDW	560	8.43	7.5	70.6	68	1246	710	710	1190	1065	1100
	70	DIDW	560	8.43	7.5	71.8	69	1307	710	710	1190	1065	1100
	80	DIDW	560	8.43	10	72.5	69	1366	710	710	1190	1065	1100
10000	30	DIDW	560	9.37	5	56.2	68	1118	710	710	1190	1065	1100
	40	DIDW	560	9.37	7.5	61.7	69	1184	710	710	1190	1065	1100
	50	DIDW	560	9.37	7.5	65.6	69	1246	710	710	1190	1065	1100
	60	DIDW	560	9.37	7.5	68.3	70	1305	710	710	1190	1065	1100
	70	DIDW	560	9.37	10	70.1	71	1362	710	710	1190	1065	1100
	80	DIDW	560	9.37	10	71.3	71	1417	710	710	1190	1065	1100
12000	30	DIDW	630	8.85	7.5	58.2	68	961	800	800	1310	1160	1225
	40	DIDW	630	8.85	7.5	63.6	68	1021	800	800	1310	1160	1225
	50	DIDW	630	8.85	7.5	67.2	69	1078	800	800	1310	1160	1225
	60	DIDW	630	8.85	10	69.6	70	1132	800	800	1310	1160	1225
	70	DIDW	630	8.85	10	71.1	70	1185	800	800	1310	1160	1225
	80	DIDW	630	8.85	15	72	71	1236	800	800	1460	1160	1225
14000	30	DIDW	710	8.2	7.5	61.6	66	811	898	898	1418	1265	1370
	40	DIDW	710	8.2	7.5	66.5	67	867	898	898	1418	1265	1370
	50	DIDW	710	8.2	10	69.5	68	920	898	898	1418	1265	1370
	60	DIDW	710	8.2	10	71.3	68	970	898	898	1418	1265	1370
	70	DIDW	710	8.2	15	72.2	69	1019	898	898	1568	1265	1370
	80	DIDW	710	8.2	15	72.6	70	1067	898	898	1568	1265	1370
15000	30	DIDW	710	8.78	7.5	59	67	845	898	898	1418	1265	1370
	40	DIDW	710	8.78	10	64.2	68	899	898	898	1418	1265	1370
	50	DIDW	710	8.78	10	67.7	69	950	898	898	1418	1265	1370
	60	DIDW	710	8.78	10	70	70	998	898	898	1418	1265	1370
	70	DIDW	710	8.78	15	71.4	70	1045	898	898	1568	1265	1370
	80	DIDW	710	8.78	15	72.2	71	1090	898	898	1568	1265	1370
16000	30	DIDW	710	9.37	7.5	56.5	69	879	898	898	1418	1265	1370
	40	DIDW	710	9.37	10	61.9	70	931	898	898	1418	1265	1370
	50	DIDW	710	9.37	10	65.8	70	980	898	898	1418	1265	1370
	60	DIDW	710	9.37	15	68.4	71	1027	898	898	1568	1265	1370
	70	DIDW	710	9.37	15	70.2	72	1072	898	898	1568	1265	1370
	80	DIDW	710	9.37	15	71.4	72	1116	898	898	1568	1265	1370

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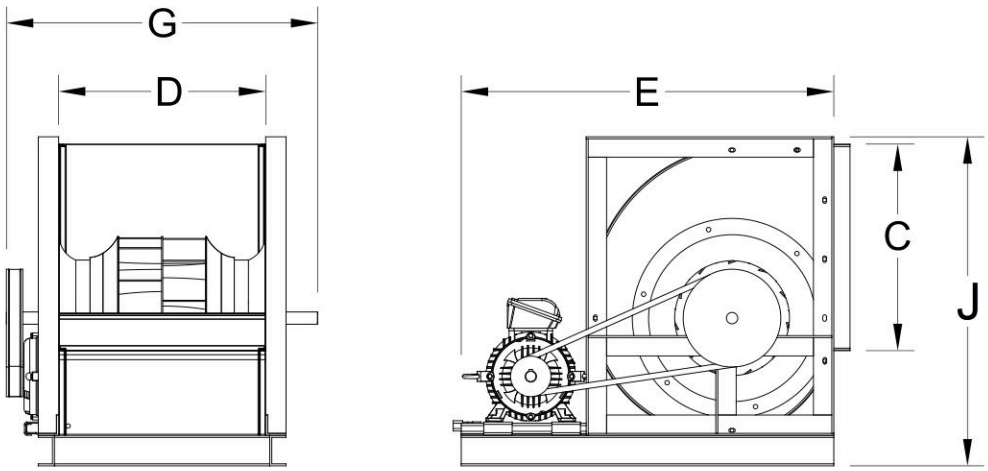

CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
18000	30	DIDW	800	8.4	7.5	62.6	67	717	1006	1006	1540	1380	1532
	40	DIDW	800	8.4	10	68.3	68	764	1006	1006	1540	1380	1532
	50	DIDW	800	8.4	10	72.3	68	808	1006	1006	1540	1380	1532
	60	DIDW	800	8.4	15	74.9	69	850	1006	1006	1690	1380	1532
	70	DIDW	800	8.4	15	76.5	70	890	1006	1006	1690	1380	1532
	80	DIDW	800	8.4	15	77.3	70	929	1006	1006	1690	1380	1532
20000	30	DIDW	800	9.33	10	58.4	70	764	1006	1006	1690	1380	1532
	40	DIDW	800	9.33	15	64.1	70	810	1006	1006	1690	1380	1532
	50	DIDW	800	9.33	15	68.5	71	852	1006	1006	1690	1380	1532
	60	DIDW	800	9.33	15	71.8	71	891	1006	1006	1690	1380	1532
	70	DIDW	800	9.33	15	74.2	72	929	1006	1006	1690	1380	1532
	80	DIDW	800	9.33	20	75.8	72	965	1006	1006	1690	1380	1532
24000	30	DIDW	900	8.84	10	60.5	69	657	1132	1132	1851	1550	1715
	40	DIDW	900	8.84	15	66.2	69	698	1132	1132	1851	1550	1715
	50	DIDW	900	8.84	15	70.5	70	737	1132	1132	1851	1550	1715
	60	DIDW	900	8.84	20	73.5	70	773	1132	1132	1851	1550	1715
	70	DIDW	900	8.84	20	75.5	71	807	1132	1132	1851	1550	1715
	80	DIDW	900	8.84	20	76.7	71	841	1132	1132	1851	1550	1715
27000	30	DIDW	900	9.95	15	56	72	707	1132	1132	1851	1550	1715
	40	DIDW	900	9.95	15	61.5	72	747	1132	1132	1851	1550	1715
	50	DIDW	900	9.95	20	66	72	784	1132	1132	1851	1550	1715
	60	DIDW	900	9.95	20	69.5	73	818	1132	1132	1851	1550	1715
	70	DIDW	900	9.95	25	72.2	73	851	1132	1132	1851	1550	1715
	80	DIDW	900	9.95	25	74.2	74	882	1132	1132	1851	1550	1715
30000	30	DIDW	1000	8.84	15	59.8	69	596	1266	1266	1932	1715	1900
	40	DIDW	1000	8.84	15	65.6	70	633	1266	1266	1932	1715	1900
	50	DIDW	1000	8.84	20	69.9	70	667	1266	1266	1932	1715	1900
	60	DIDW	1000	8.84	20	73	71	699	1266	1266	1932	1715	1900
	70	DIDW	1000	8.84	25	75.1	71	730	1266	1266	1932	1715	1900
	80	DIDW	1000	8.84	25	76.4	72	760	1266	1266	1932	1715	1900
32000	30	DIDW	1000	9.43	15	57.3	71	620	1266	1266	1932	1715	2000
	40	DIDW	1000	9.43	20	62.9	71	656	1266	1266	1932	1715	2000
	50	DIDW	1000	9.43	20	67.4	72	690	1266	1266	1932	1715	2000
	60	DIDW	1000	9.43	25	70.8	72	721	1266	1266	1932	1715	2000
	70	DIDW	1000	9.43	25	73.4	73	751	1266	1266	1932	1715	2000
	80	DIDW	1000	9.43	30	75.1	73	780	1266	1266	1932	1715	2000
35000	30	DIDW	1120	8.17	15	62.6	68	510	1422	1422	2178	1870	2235
	40	DIDW	1120	8.17	20	68.3	68	544	1422	1422	2178	1870	2235
	50	DIDW	1120	8.17	20	72.3	69	575	1422	1422	2178	1870	2235
	60	DIDW	1120	8.17	25	74.9	70	605	1422	1422	2178	1870	2235
	70	DIDW	1120	8.17	25	76.4	70	634	1422	1422	2178	1870	2235
	80	DIDW	1120	8.17	30	77.2	71	662	1422	1422	2178	1870	2235

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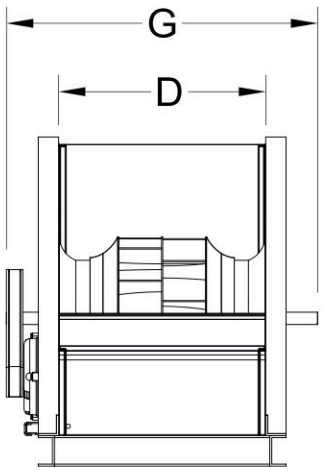
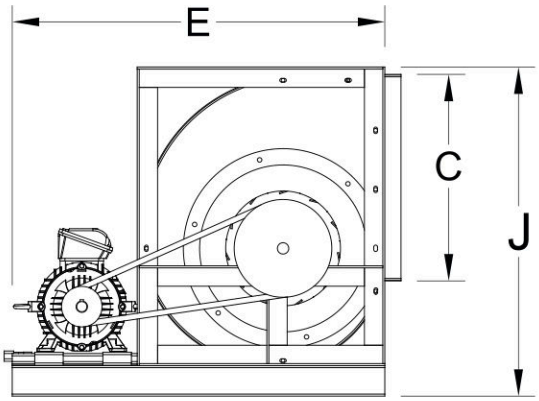
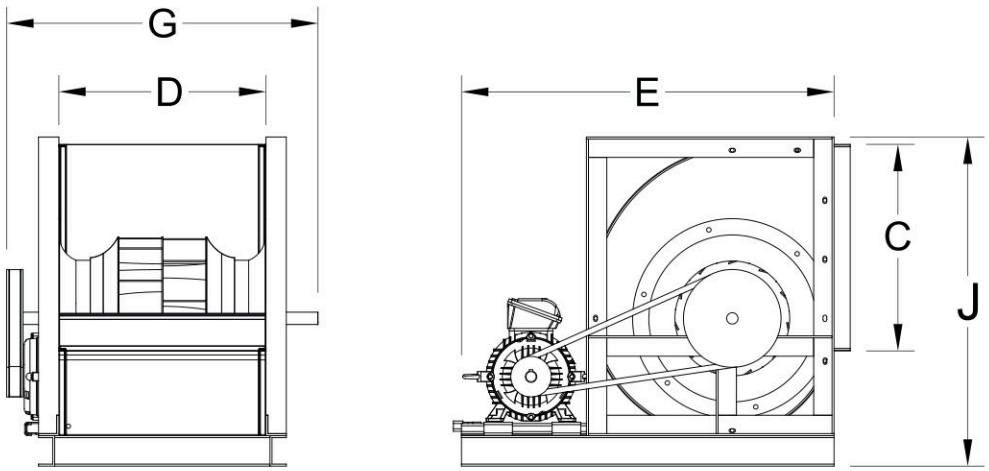




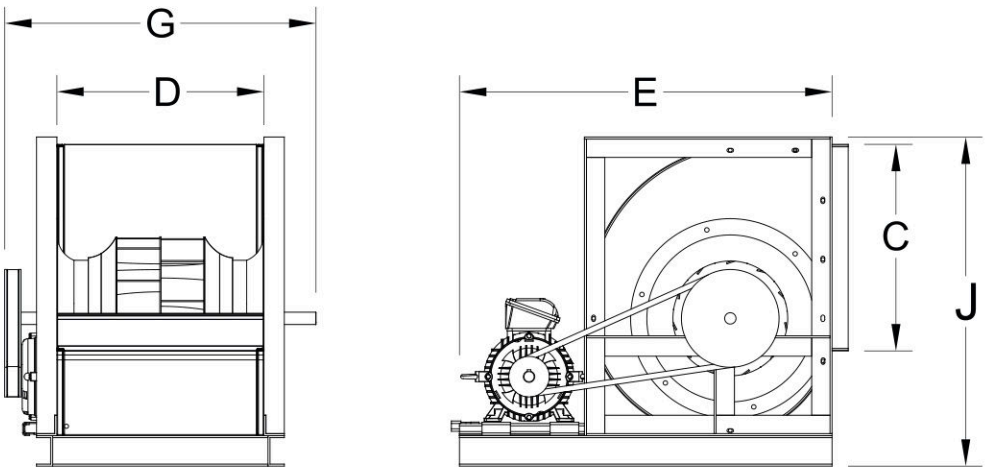
CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
40000	30	DIDW	1120	9.34	20	57.3	71	553	1422	1422	2178	1870	2235
	40	DIDW	1120	9.34	25	63	71	585	1422	1422	2178	1870	2235
	50	DIDW	1120	9.34	25	67.5	72	615	1422	1422	2178	1870	2235
	60	DIDW	1120	9.34	30	70.9	72	643	1422	1422	2178	1870	2235
	70	DIDW	1120	9.34	30	73.5	73	669	1422	1422	2178	1870	2235
	80	DIDW	1120	9.34	40	75.1	73	695	1422	1422	2378	1870	2235
44000	30	DIDW	1250	8.27	20	62.2	68	459	1422	1422	2178	1870	2235
	40	DIDW	1250	8.27	25	68	69	489	1422	1422	2178	1870	2235
	50	DIDW	1250	8.27	25	72	70	517	1422	1422	2178	1870	2235
	60	DIDW	1250	8.27	30	74.7	74	544	1422	1422	2178	1870	2235
	70	DIDW	1250	8.27	40	76.3	71	570	1422	1422	2378	1870	2235
	80	DIDW	1250	8.27	40	77.2	71	595	1422	1422	2378	1870	2235
50000	30	DIDW	1250	9.4	25	57.2	72	496	1585	1585	2380	2050	2360
	40	DIDW	1250	9.4	30	62.9	72	525	1585	1585	2380	2050	2360
	50	DIDW	1250	9.4	30	67.4	72	552	1585	1585	2380	2050	2360
	60	DIDW	1250	9.4	40	70.8	73	577	1585	1585	2580	2050	2360
	70	DIDW	1250	9.4	40	73.4	73	601	1585	1585	2580	2050	2360
	80	DIDW	1250	9.4	40	75.1	74	624	1585	1585	2580	2050	2360
55000	30	DIDW	1400	8.24	25	62.4	68	409	1775	1775	2705	2250	2662
	40	DIDW	1400	8.24	30	68.1	69	436	1775	1775	2705	2250	2662
	50	DIDW	1400	8.24	30	72.2	70	461	1775	1775	2705	2250	2662
	60	DIDW	1400	8.24	40	74.8	70	485	1775	1775	2905	2250	2662
	70	DIDW	1400	8.24	40	76.4	71	508	1775	1775	2905	2250	2662
	80	DIDW	1400	8.24	50	77.2	72	531	1775	1775	2905	2250	2662
60000	30	DIDW	1400	8.99	30	59	71	431	1775	1775	2705	2250	2662
	40	DIDW	1400	8.99	40	64.7	71	457	1775	1775	2705	2250	2662
	50	DIDW	1400	8.99	40	69.1	72	481	1775	1775	2705	2250	2662
	60	DIDW	1400	8.99	40	72.3	72	504	1775	1775	2705	2250	2662
	70	DIDW	1400	8.99	50	74.5	73	526	1775	1775	2905	2250	2662
	80	DIDW	1400	8.99	50	76	73	547	1775	1775	2905	2250	2662
65000	30	DIDW	1400	9.5	25	70	68	409	1775	1775	2905	2250	2662
	40	DIDW	1400	9.5	25	76	69	437	1775	1775	2905	2250	2662
	50	DIDW	1400	9.5	30	80	69	463	1775	1775	2905	2250	2662
	60	DIDW	1400	9.5	40	82	70	486	1775	1775	2905	2250	2662
	70	DIDW	1400	9.5	40	83	73	508	1775	1775	2905	2250	2662
	80	DIDW	1400	9.5	50	84	73	529	1775	1775	2905	2250	2662
70000	40	DIDW	1600	7.5	30	78	66	358	2025	2025	3086	2550	3050
	50	DIDW	1600	7.5	40	80	67	382	2025	2025	3086	2550	3050
	60	DIDW	1600	7.5	40	81	68	404	2025	2025	3086	2550	3050
	70	DIDW	1600	7.5	40	82	69	426	2025	2025	3086	2550	3050
	80	DIDW	1600	7.5	50	82	70	446	2025	2025	3086	2550	3050

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
75000	40	DIDW	1600	8.6	30	76	67	370	2025	2025	3086	2550	3050
	50	DIDW	1600	8.6	40	79	68	393	2025	2025	3086	2550	3050
	60	DIDW	1600	8.6	40	80	69	415	2025	2025	3086	2550	3050
	70	DIDW	1600	8.6	50	81	70	435	2025	2025	3086	2550	3050
	80	DIDW	1600	8.6	50	82	71	455	2025	2025	3086	2550	3050
80000	40	DIDW	1600	9.2	40	74	69	382	2025	2025	3086	2550	3050
	50	DIDW	1600	9.2	40	78	70	405	2025	2025	3086	2550	3050
	60	DIDW	1600	9.2	50	80	70	426	2025	2025	3086	2550	3050
	70	DIDW	1600	9.2	50	81	71	446	2025	2025	3086	2550	3050
	80	DIDW	1600	9.2	60	81	72	465	2025	2025	3086	2550	3050
85000	40	DIDW	1800	7.7	40	79	65	313	2278	2278	3400	2890	3410
	50	DIDW	1800	7.7	40	81	67	335	2278	2278	3400	2890	3410
	60	DIDW	1800	7.7	50	82	68	355	2278	2278	3400	2890	3410
	70	DIDW	1800	7.7	50	82	69	374	2278	2278	3400	2890	3410
	80	DIDW	1800	7.7	60	82	70	393	2278	2278	3400	2890	3410
90000	40	DIDW	1800	8.2	40	78	66	321	2278	2278	3400	2890	3410
	50	DIDW	1800	8.2	40	80	68	342	2278	2278	3400	2890	3410
	60	DIDW	1800	8.2	50	81	69	362	2278	2278	3400	2890	3410
	70	DIDW	1800	8.2	60	82	69	381	2278	2278	3400	2890	3410
	80	DIDW	1800	8.2	60	82	70	399	2278	2278	3400	2890	3410
95000	40	DIDW	1800	8.2	40	78	66	321	2278	2278	3400	2890	3410
	50	DIDW	1800	8.2	40	80	68	342	2278	2278	3400	2890	3410
	60	DIDW	1800	8.2	50	81	69	362	2278	2278	3400	2890	3410
	70	DIDW	1800	8.2	60	82	69	381	2278	2278	3400	2890	3410
	80	DIDW	1800	8.2	60	82	70	399	2278	2278	3400	2890	3410
100000	40	DIDW	1800	9.1	40	75	68	338	2278	2278	3400	2890	3410
	50	DIDW	1800	9.1	50	78	69	358	2278	2278	3400	2890	3410
	60	DIDW	1800	9.1	60	80	70	377	2278	2278	3400	2890	3410
	70	DIDW	1800	9.1	60	81	71	395	2278	2278	3400	2890	3410
	80	DIDW	1800	9.1	75	81	72	412	2278	2278	3400	2890	3410
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													



CENTRIFUGAL FAN (BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
110000	40	DIDW	2000	8.11	50	78	67	288	2530	2530	3842	3230	3815
	50	DIDW	2000	8.11	50	80	68	307	2530	2530	3842	3230	3815
	60	DIDW	2000	8.11	60	81	69	325	2530	2530	3842	3230	3815
	70	DIDW	2000	8.11	75	82	70	342	2530	2530	3842	3230	3815
	80	DIDW	2000	8.11	75	82	71	358	2530	2530	3842	3230	3815
120000	40	DIDW	2000	8.8	50	76	68	300	2530	2530	3842	3230	3815
	50	DIDW	2000	8.8	60	78	66	319	2530	2530	3842	3230	3815
	60	DIDW	2000	8.8	75	80	70	336	2530	2530	3842	3230	3815
	70	DIDW	2000	8.8	75	81	71	352	2530	2530	3842	3230	3815
	80	DIDW	2000	8.8	100	82	72	368	2530	2530	3842	3230	3815
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													

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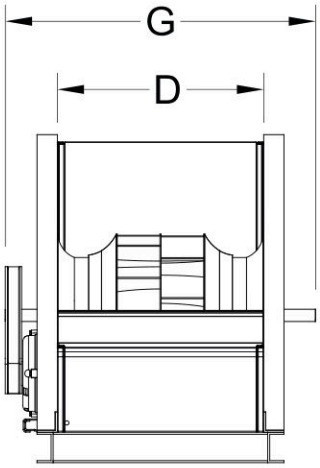
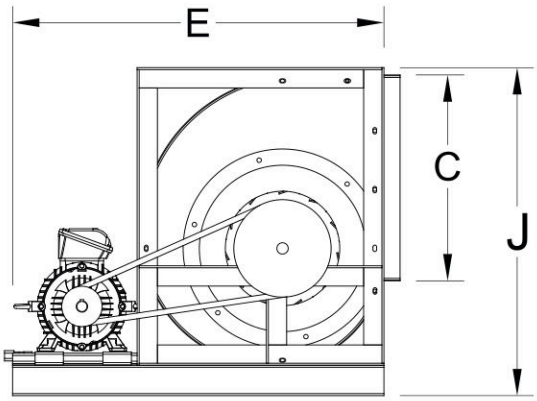
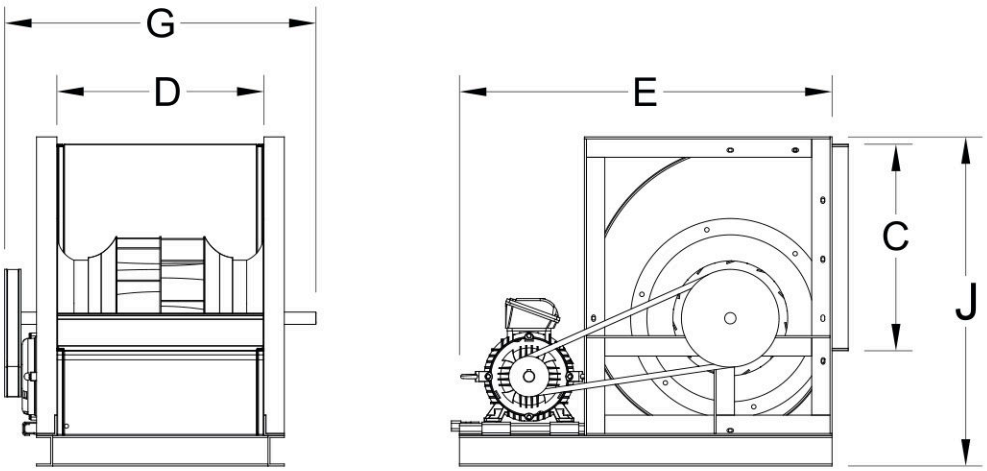
DIMENSIONS TABLE OF AEROFOIL CURVED (DIDW) SERIES

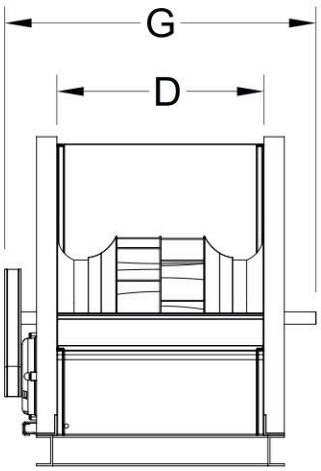


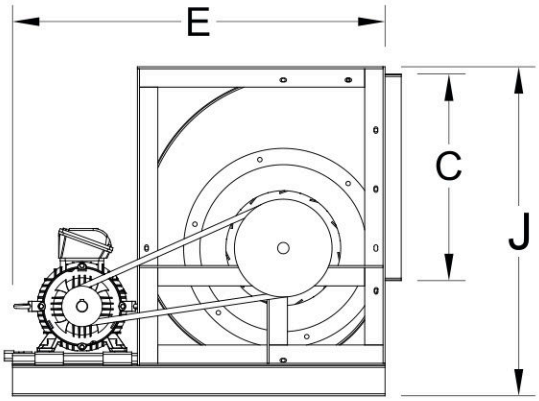


CENTRIFUGAL FAN (AEROFOIL BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1000	40	DIDW	180	7.26	0.5	80.7	54	2724	228	228	570	395	405
	50	DIDW	180	7.26	0.75	81.8	55	2922	228	228	570	395	405
	60	DIDW	180	7.26	0.75	82	55	3113	228	228	570	395	405
	70	DIDW	180	7.26	0.75	81.6	55	3298	228	228	570	395	405
	80	DIDW	180	7.26	1	80.8	56	3481	228	228	570	395	405
2000	30	DIDW	250	8.99	1	70.2	57	2264	322	322	666	530	549
	40	DIDW	250	8.99	1	74.9	58	2431	322	322	666	530	549
	50	DIDW	250	8.99	1.5	77.8	60	2581	322	322	666	530	549
	60	DIDW	250	8.99	1.5	79.6	61	2717	322	322	666	530	549
	70	DIDW	250	8.99	1.5	80.7	61	2846	322	322	666	530	549
	80	DIDW	250	8.99	2	81.4	62	2969	322	322	666	530	549
3000	30	DIDW	315	8.69	1.5	72.6	56	1744	404	404	751	625	656
	40	DIDW	315	8.69	1.5	76.9	57	1879	404	404	751	625	656
	50	DIDW	315	8.69	2	79.3	58	1998	404	404	751	625	656
	60	DIDW	315	8.69	2	80.7	59	2107	404	404	751	625	656
	70	DIDW	315	8.69	2	81.5	60	2212	404	404	751	625	656
	80	DIDW	315	8.69	3	81.9	61	2313	404	404	751	625	656
4000	30	DIDW	355	9.26	1.5	71.2	58	1587	452	452	810	710	729
	40	DIDW	355	9.26	2	75.8	59	1706	452	452	810	710	729
	50	DIDW	355	9.26	3	78.5	60	1811	452	452	810	710	729
	60	DIDW	355	9.26	3	80.2	60	1907	452	452	810	710	729
	70	DIDW	355	9.26	3	81.2	61	1998	452	452	847	710	729
	80	DIDW	355	9.26	5	81.8	62	2085	452	452	847	710	729
5000	30	DIDW	400	9.22	2	72	58	1397	507	507	916	765	809
	40	DIDW	400	9.22	3	76.4	59	1503	507	507	916	765	809
	50	DIDW	400	9.22	3	79	60	1596	507	507	916	765	809
	60	DIDW	400	9.22	3	80.6	60	1682	507	507	916	765	809
	70	DIDW	400	9.22	5	81.5	61	1763	507	507	916	765	809
	80	DIDW	400	9.22	5	82	62	1841	507	507	916	765	809
6000	30	DIDW	450	8.77	3	73.8	57	1209	568	568	992	885	900
	40	DIDW	450	8.77	3	77.8	59	1303	568	568	992	885	900
	50	DIDW	450	8.77	5	80	60	1386	568	568	992	885	900
	60	DIDW	450	8.77	5	81.3	61	1464	568	568	992	885	900
	70	DIDW	450	8.77	5	82	61	1538	568	568	992	885	900
	80	DIDW	450	8.77	5	82.3	61	1609	568	568	1025	885	900
8000	30	DIDW	500	9.4	3	71.1	59	1132	634	634	758	950	990
	40	DIDW	500	9.4	5	75.7	60	1216	634	634	758	950	990
	50	DIDW	500	9.4	5	78.5	62	1290	634	634	758	950	990
	60	DIDW	500	9.4	5	80.1	63	1359	634	634	758	950	990
	70	DIDW	500	9.4	7.5	81.2	63	1423	634	634	758	950	990
	80	DIDW	500	9.4	7.5	81.8	64	1484	634	634	758	950	990
	NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE												

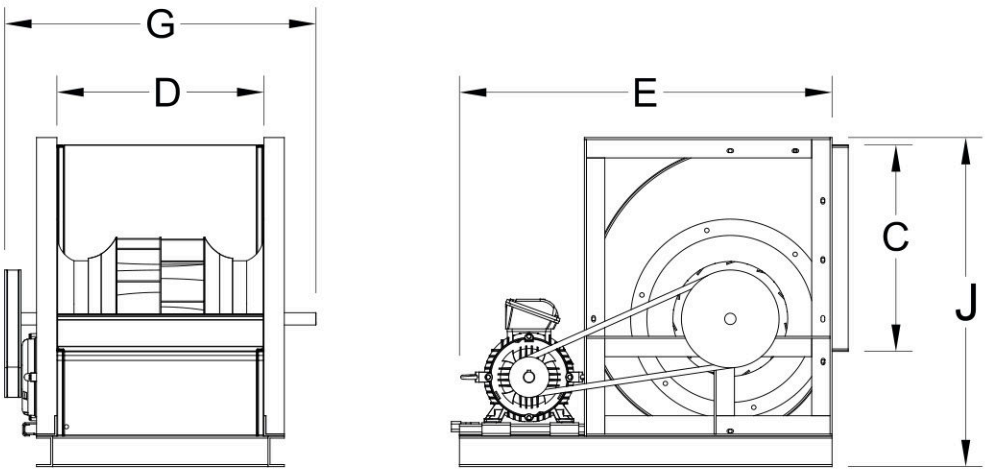


CENTRIFUGAL FAN (AEROFOIL BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
9000	30	DIDW	560	8.43	5	74.7	57	956	710	710	1190	1065	1100
	40	DIDW	560	8.43	5	78.4	58	1032	710	710	1190	1065	1100
	50	DIDW	560	8.33	5	80.4	59	1099	710	710	1190	1065	1100
	60	DIDW	560	8.43	7.5	81.5	60	1162	710	710	1190	1065	1100
	70	DIDW	560	8.43	7.5	82.1	61	1223	710	710	1190	1065	1100
	80	DIDW	560	8.43	7.5	82.1	62	1282	710	710	1190	1065	1100
10000	30	DIDW	560	9.37	5	71.2	59	1009	710	710	1190	1065	1100
	40	DIDW	560	9.37	5	75.8	60	1084	710	710	1190	1065	1100
	50	DIDW	560	9.37	7.5	78.5	61	1150	710	710	1190	1065	1100
	60	DIDW	560	9.37	7.5	80.2	62	1211	710	710	1190	1065	1100
	70	DIDW	560	9.37	7.5	81.2	63	1269	710	710	1190	1065	1100
	80	DIDW	560	9.37	10	81.8	64	1324	710	710	1190	1065	1100
12000	30	DIDW	630	8.85	5	72.9	58	872	800	800	1310	1160	1225
	40	DIDW	630	8.85	7.5	77.2	59	939	800	800	1310	1160	1225
	50	DIDW	630	8.85	7.5	79.5	60	999	800	800	1310	1160	1225
	60	DIDW	630	8.85	7.5	80.9	61	1054	800	800	1310	1160	1225
	70	DIDW	630	8.85	10	81.7	62	1106	800	800	1310	1160	1225
	80	DIDW	630	8.85	10	82.1	63	1156	800	800	1460	1160	1225
14000	30	DIDW	710	8.2	5	75.7	57	742	898	898	1418	1265	1370
	40	DIDW	710	8.2	7.5	79.2	58	802	898	898	1418	1265	1370
	50	DIDW	710	8.2	7.5	80.9	59	856	898	898	1418	1265	1370
	60	DIDW	710	8.2	10	81.9	60	906	898	898	1418	1265	1370
	70	DIDW	710	8.2	10	82.2	60	954	898	898	1568	1265	1370
	80	DIDW	710	8.2	15	82.1	61	1002	898	898	1568	1265	1370
15000	30	DIDW	710	8.78	7.5	73.6	58	768	898	898	1418	1265	1370
	40	DIDW	710	8.78	7.5	77.7	59	827	898	898	1418	1265	1370
	50	DIDW	710	8.78	7.5	79.9	60	880	898	898	1418	1265	1370
	60	DIDW	710	8.78	10	81.2	61	929	898	898	1418	1265	1370
	70	DIDW	710	8.78	10	81.9	62	976	898	898	1568	1265	1370
	80	DIDW	710	8.78	15	82.2	62	1021	898	898	1568	1265	1370
16000	30	DIDW	710	9.37	7.5	71.5	60	794	898	898	1418	1265	1370
	40	DIDW	710	9.37	7.5	76	61	853	898	898	1418	1265	1370
	50	DIDW	710	9.37	10	78.7	62	905	898	898	1418	1265	1370
	60	DIDW	710	9.37	10	80.3	62	953	898	898	1568	1265	1370
	70	DIDW	710	9.37	15	81.3	63	999	898	898	1568	1265	1370
	80	DIDW	710	9.37	15	81.9	64	1043	898	898	1568	1265	1370
18000	30	DIDW	800	8.4	7.5	75.5	60	675	1006	1006	1540	1380	1532
	40	DIDW	800	8.4	7.5	80	60	725	1006	1006	1540	1380	1532
	50	DIDW	800	8.4	10	82.3	62	770	1006	1006	1540	1380	1532
	60	DIDW	800	8.4	10	83.5	63	814	1006	1006	1690	1380	1532
	70	DIDW	800	8.4	15	84.1	64	856	1006	1006	1690	1380	1532
	80	DIDW	800	8.4	15	84.3	65	897	1006	1006	1690	1380	1532
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													





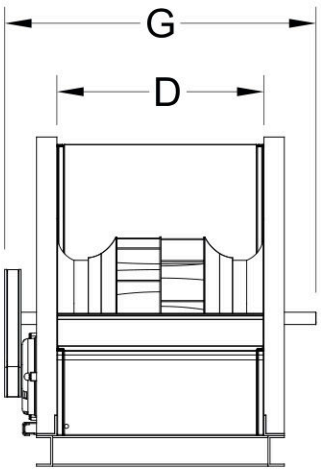
CENTRIFUGAL FAN (AEROFOIL BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
20000	30	DIDW	800	9.33	7.5	71.5	62	716	1006	1006	1690	1380	1532
	40	DIDW	800	9.33	10	76.9	63	764	1006	1006	1690	1380	1532
	50	DIDW	800	9.33	10	80.2	63	808	1006	1006	1690	1380	1532
	60	DIDW	800	9.33	15	82.1	64	849	1006	1006	1690	1380	1532
	70	DIDW	800	9.33	15	83.2	65	889	1006	1006	1690	1380	1532
	80	DIDW	800	9.33	15	83.3	66	927	1006	1006	1690	1380	1532
24000	30	DIDW	900	8.84	10	73.6	61	617	1132	1132	1851	1550	1715
	40	DIDW	900	8.84	10	78.6	62	661	1132	1132	1851	1550	1715
	50	DIDW	900	8.84	15	81.4	63	700	1132	1132	1851	1550	1715
	60	DIDW	900	8.84	15	83	64	738	1132	1132	1851	1550	1715
	70	DIDW	900	8.84	20	83.8	65	774	1132	1132	1851	1550	1715
	80	DIDW	900	8.84	20	84.2	66	810	1132	1132	1851	1550	1715
27000	30	DIDW	900	9.95	15	69	64	661	1132	1132	1851	1550	1715
	40	DIDW	900	9.95	15	74.6	65	703	1132	1132	1851	1550	1715
	50	DIDW	900	9.95	15	78.4	65	741	1132	1132	1851	1550	1715
	60	DIDW	900	9.95	20	80.8	66	777	1132	1132	1851	1550	1715
	70	DIDW	900	9.95	20	82.3	67	811	1132	1132	1851	1550	1715
	80	DIDW	900	9.95	20	83.3	68	844	1132	1132	1851	1550	1715
30000	30	DIDW	1000	8.84	15	72.8	62	559	1266	1266	1932	1715	1900
	40	DIDW	1000	8.84	15	78	63	598	1266	1266	1932	1715	1900
	50	DIDW	1000	8.84	15	80.9	63	634	1266	1266	1932	1715	1900
	60	DIDW	1000	8.84	20	82.6	64	668	1266	1266	1932	1715	1900
	70	DIDW	1000	8.84	20	83.5	65	700	1266	1266	1932	1715	1900
	80	DIDW	1000	8.84	25	84	66	732	1266	1266	1932	1715	1900
32000	30	DIDW	1000	9.43	15	70.3	64	581	1266	1266	1932	1715	2000
	40	DIDW	1000	9.43	15	75.8	64	619	1266	1266	1932	1715	2000
	50	DIDW	1000	9.43	20	79.3	65	654	1266	1266	1932	1715	2000
	60	DIDW	1000	9.43	20	81.5	65	686	1266	1266	1932	1715	2000
	70	DIDW	1000	9.43	25	82.8	66	717	1266	1266	1932	1715	2000
	80	DIDW	1000	9.43	25	83.6	67	748	1266	1266	1932	1715	2000
35000	30	DIDW	1120	8.17	15	75.5	61	480	1422	1422	2178	1870	2235
	40	DIDW	1120	8.17	15	79.9	61	516	1422	1422	2178	1870	2235
	50	DIDW	1120	8.17	20	82.2	63	548	1422	1422	2178	1870	2235
	60	DIDW	1120	8.17	20	83.4	64	580	1422	1422	2178	1870	2235
	70	DIDW	1120	8.17	25	84	65	610	1422	1422	2178	1870	2235
	80	DIDW	1120	8.17	30	84.1	66	639	1422	1422	2178	1870	2235
40000	30	DIDW	1120	9.34	15	70.3	64	517	1422	1422	2178	1870	2235
	40	DIDW	1120	9.34	20	75.8	64	551	1422	1422	2178	1870	2235
	50	DIDW	1120	9.34	20	79.3	65	583	1422	1422	2178	1870	2235
	60	DIDW	1120	9.34	25	81.5	66	612	1422	1422	2178	1870	2235
	70	DIDW	1120	9.34	30	82.8	67	640	1422	1422	2178	1870	2235
	80	DIDW	1120	9.34	30	83.5	67	667	1422	1422	2378	1870	2235
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													

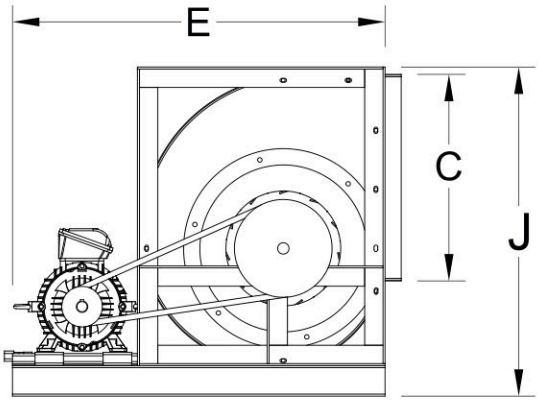


CENTRIFUGAL FAN (AEROFOIL BACKWARD CURVED)-DIDW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
44000	30	DIDW	1250	8.27	15	75.2	61	432	1422	1422	2178	1870	2235
	40	DIDW	1250	8.27	20	79.7	62	464	1422	1422	2178	1870	2235
	50	DIDW	1250	8.27	25	82.1	63	493	1422	1422	2178	1870	2235
	60	DIDW	1250	8.27	25	83.4	64	521	1422	1422	2178	1870	2235
	70	DIDW	1250	8.27	30	83.9	65	548	1422	1422	2378	1870	2235
	80	DIDW	1250	8.27	40	84.1	66	574	1422	1422	2378	1870	2235
50000	30	DIDW	1250	9.4	20	70.3	64	464	1585	1585	2380	2050	2360
	40	DIDW	1250	9.4	25	75.8	65	495	1585	1585	2380	2050	2360
	50	DIDW	1250	9.4	30	79.3	65	523	1585	1585	2380	2050	2360
	60	DIDW	1250	9.4	30	81.5	66	549	1585	1585	2580	2050	2360
	70	DIDW	1250	9.4	40	82.8	67	574	1585	1585	2580	2050	2360
	80	DIDW	1250	9.4	40	83.5	68	598	1585	1585	2580	2050	2360
55000	30	DIDW	1400	8.24	20	75.3	61	385	1775	1775	2705	2250	2662
	40	DIDW	1400	8.24	25	79.8	62	414	1775	1775	2705	2250	2662
	50	DIDW	1400	8.24	30	82.2	63	440	1775	1775	2705	2250	2662
	60	DIDW	1400	8.24	40	83.4	65	465	1775	1775	2905	2250	2662
	70	DIDW	1400	8.24	40	84	66	489	1775	1775	2905	2250	2662
	80	DIDW	1400	8.24	40	84.1	66	512	1775	1775	2905	2250	2662
60000	30	DIDW	1400	8.99	25	72	63	404	1775	1775	2705	2250	2662
	40	DIDW	1400	8.99	30	77.2	64	432	1775	1775	2705	2250	2662
	50	DIDW	1400	8.99	30	80.4	65	457	1775	1775	2705	2250	2662
	60	DIDW	1400	8.99	40	82.2	66	481	1775	1775	2705	2250	2662
	70	DIDW	1400	8.99	40	83.3	67	504	1775	1775	2905	2250	2662
	80	DIDW	1400	8.99	50	83.9	68	526	1775	1775	2905	2250	2662
65000	30	DIDW	1400	9.5	25	76	68	409	1775	1775	2905	2250	2762
	40	DIDW	1400	9.5	25	82	69	437	1775	1775	2905	2250	2762
	50	DIDW	1400	9.5	30	86	69	463	1775	1775	2905	2250	2762
	60	DIDW	1400	9.5	40	89	70	486	1775	1775	2905	2250	2762
	70	DIDW	1400	9.5	40	90	73	508	1775	1775	2905	2250	2762
	80	DIDW	1400	9.5	50	91	73	529	1775	1775	2905	2250	2762
70000	40	DIDW	1600	7.5	30	84	66	358	2025	2025	3086	2550	3150
	50	DIDW	1600	7.5	40	86	67	382	2025	2025	3086	2550	3150
	60	DIDW	1600	7.5	40	87	68	404	2025	2025	3086	2550	3150
	70	DIDW	1600	7.5	40	89	69	426	2025	2025	3086	2550	3150
	80	DIDW	1600	7.5	50	89	70	446	2025	2025	3086	2550	3150
75000	40	DIDW	1600	8.6	30	82	67	370	2025	2025	3086	2550	3150
	50	DIDW	1600	7.5	40	85	68	393	2025	2025	3086	2550	3150
	60	DIDW	1600	7.5	40	86	69	415	2025	2025	3086	2550	3150
	70	DIDW	1600	7.5	50	87	70	435	2025	2025	3086	2550	3150
	80	DIDW	1600	7.5	50	89	71	455	2025	2025	3086	2550	3150

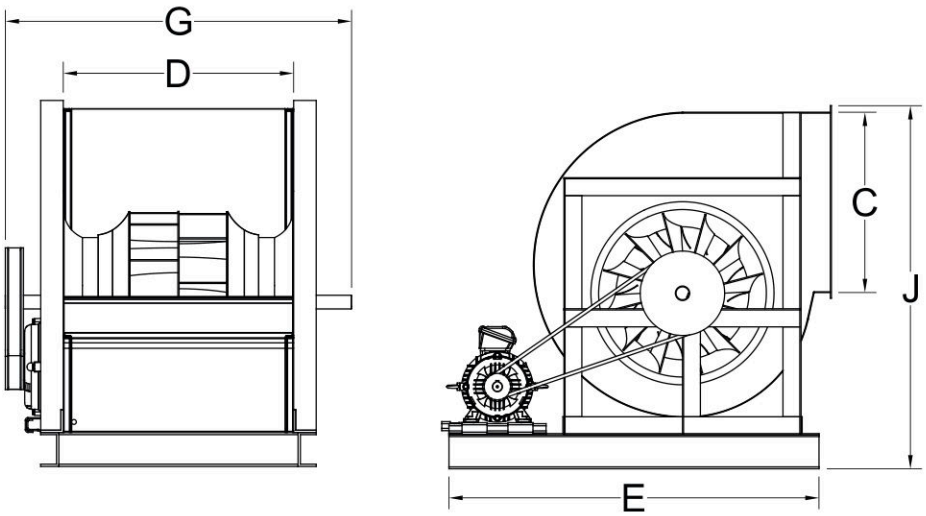
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



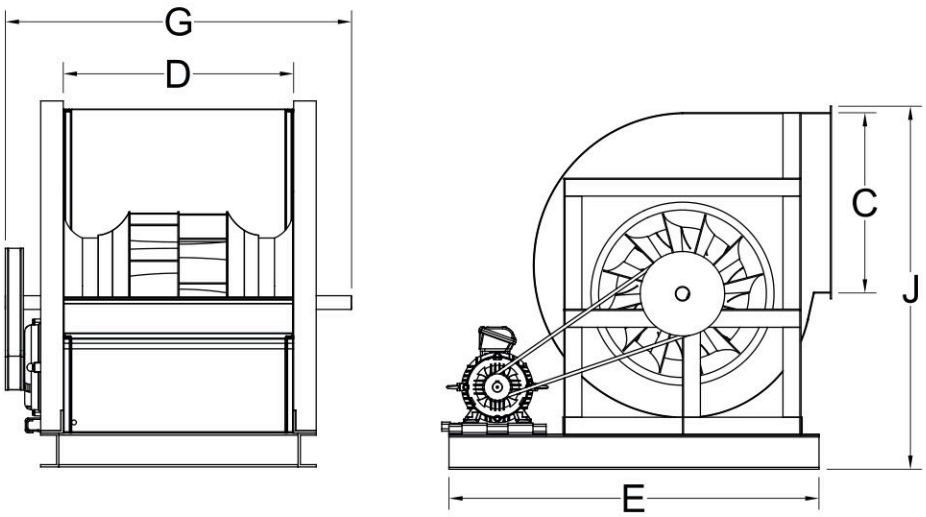


CENTRIFUGAL FAN (AEROFOIL BACKWARD CURVED)-DIDW													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
80000	40	DIDW	1600	9.2	40	80	69	382	2025	2025	3086	2550	3150
	50	DIDW	1600	9.2	40	84	70	405	2025	2025	3086	2550	3150
	60	DIDW	1600	9.2	50	86	70	426	2025	2025	3086	2550	3150
	70	DIDW	1600	9.2	50	87	71	446	2025	2025	3086	2550	3150
	80	DIDW	1600	9.2	60	87	72	465	2025	2025	3086	2550	3150
85000	40	DIDW	1800	7.7	40	85	65	313	2278	2278	3400	2890	3510
	50	DIDW	1800	7.7	40	87	67	335	2278	2278	3400	2890	3510
	60	DIDW	1800	7.7	50	89	68	355	2278	2278	3400	2890	3510
	70	DIDW	1800	7.7	50	89	69	374	2278	2278	3400	2890	3510
	80	DIDW	1800	7.7	60	89	70	393	2278	2278	3400	2890	3510
90000	40	DIDW	1800	8.2	40	84	66	321	2278	2278	3400	2890	3510
	50	DIDW	1800	8.2	40	86	68	342	2278	2278	3400	2890	3510
	60	DIDW	1800	8.2	50	87	69	362	2278	2278	3400	2890	3510
	70	DIDW	1800	8.2	60	89	69	381	2278	2278	3400	2890	3510
	80	DIDW	1800	8.2	60	89	70	399	2278	2278	3400	2890	3510
95000	40	DIDW	1800	8.2	40	84	66	321	2278	2278	3400	2890	3510
	50	DIDW	1800	8.2	40	86	68	342	2278	2278	3400	2890	3510
	60	DIDW	1800	8.2	50	87	69	362	2278	2278	3400	2890	3510
	70	DIDW	1800	8.2	60	89	69	381	2278	2278	3400	2890	3510
	80	DIDW	1800	8.2	60	89	70	399	2278	2278	3400	2890	3510
100000	40	DIDW	1800	9.1	40	81	68	338	2278	2278	3400	2890	3510
	50	DIDW	1800	9.1	50	84	69	358	2278	2278	3400	2890	3510
	60	DIDW	1800	9.1	60	86	70	377	2278	2278	3400	2890	3510
	70	DIDW	1800	9.1	60	87	71	395	2278	2278	3400	2890	3510
	80	DIDW	1800	9.1	75	87	72	412	2278	2278	3400	2890	3510
110000	40	DIDW	2000	8.11	50	84	67	288	2530	2530	3842	3230	3915
	50	DIDW	2000	8.11	50	86	68	307	2530	2530	3842	3230	3915
	60	DIDW	2000	8.11	60	87	69	325	2530	2530	3842	3230	3915
	70	DIDW	2000	8.11	75	89	70	342	2530	2530	3842	3230	3915
	80	DIDW	2000	8.11	75	89	71	358	2530	2530	3842	3230	3915
120000	40	DIDW	2000	8.8	50	82	68	300	2530	2530	3842	3230	3915
	50	DIDW	2000	8.8	60	84	66	319	2530	2530	3842	3230	3915
	60	DIDW	2000	8.8	75	86	70	336	2530	2530	3842	3230	3915
	70	DIDW	2000	8.8	75	87	71	352	2530	2530	3842	3230	3915
	80	DIDW	2000	8.8	100	89	72	368	2530	2530	3842	3230	3915
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													

DIMENSIONS TABLE OF LIMIT LOAD (DIDW) SERIES



CENTRIFUGAL FAN (LIMIT LOAD BACKWARD CURVED FAN)-DIDW WITH GUIDE VANES AT INLET													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
1000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	40	DIDW	180	7.26	0.5	83.1	54	2724	228	228	570	395	760
	50	DIDW	180	7.26	0.75	84.3	55	2922	228	228	570	395	760
	60	DIDW	180	7.26	0.75	84.5	55	3113	228	228	570	395	760
	70	DIDW	180	7.26	0.75	84.0	55	3298	228	228	570	395	760
	80	DIDW	180	7.26	1	83.2	56	3481	228	228	570	395	760
2000	30	DIDW	250	8.99	1	72.3	57	2264	322	322	666	530	833
	40	DIDW	250	8.99	1	77.1	58	2431	322	322	666	530	833
	50	DIDW	250	8.99	1.5	80.1	60	2581	322	322	666	530	833
	60	DIDW	250	8.99	1.5	82.0	61	2717	322	322	666	530	833
	70	DIDW	250	8.99	1.5	83.1	61	2846	322	322	666	530	833
	80	DIDW	250	8.99	2	83.8	62	2969	322	322	666	530	833
3000	30	DIDW	315	8.69	1.5	74.8	56	1744	404	404	751	625	930
	40	DIDW	315	8.69	1.5	79.2	57	1879	404	404	751	625	930
	50	DIDW	315	8.69	2	81.7	58	1998	404	404	751	625	930
	60	DIDW	315	8.69	2	83.1	59	2107	404	404	751	625	930
	70	DIDW	315	8.69	2	83.9	60	2212	404	404	751	625	930
	80	DIDW	315	8.69	3	84.4	61	2313	404	404	751	625	930
4000	30	DIDW	355	9.26	1.5	73.3	58	1587	452	452	810	710	930
	40	DIDW	355	9.26	2	78.1	59	1706	452	452	810	710	930
	50	DIDW	355	9.26	3	80.9	60	1811	452	452	810	710	930
	60	DIDW	355	9.26	3	82.6	60	1907	452	452	810	710	930
	70	DIDW	355	9.26	3	83.6	61	1998	452	452	847	710	930
	80	DIDW	355	9.26	5	84.3	62	2085	452	452	847	710	930
5000	30	DIDW	400	9.22	2	74.2	58	1397	507	507	916	765	1036
	40	DIDW	400	9.22	3	78.7	59	1503	507	507	916	765	1036
	50	DIDW	400	9.22	3	81.4	60	1596	507	507	916	765	1036
	60	DIDW	400	9.22	3	83.0	60	1682	507	507	916	765	1036
	70	DIDW	400	9.22	5	83.9	61	1763	507	507	916	765	1036
	80	DIDW	400	9.22	5	84.5	62	1841	507	507	916	765	1036
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													



CENTRIFUGAL FAN (LIMIT LOAD BACKWARD CURVED FAN)-DIDW WITH GUIDE VANES AT INLET

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
	30	DIDW	450	8.77	3	76.0	57	1209	568	568	992	885	1168
6000	40	DIDW	450	8.77	3	80.1	59	1303	568	568	992	885	1168
	50	DIDW	450	8.77	5	82.4	60	1386	568	568	992	885	1168
	60	DIDW	450	8.77	5	83.7	61	1464	568	568	992	885	1168
	70	DIDW	450	8.77	5	84.5	61	1538	568	568	992	885	1168
	80	DIDW	450	8.77	5	84.8	61	1609	568	568	1025	885	1168
8000	30	DIDW	500	9.4	3	73.2	59	1132	634	634	758	950	1168
	40	DIDW	500	9.4	5	78.0	60	1216	634	634	758	950	1168
	50	DIDW	500	9.4	5	80.9	62	1290	634	634	758	950	1168
	60	DIDW	500	9.4	5	82.5	63	1359	634	634	758	950	1168
	70	DIDW	500	9.4	7.5	83.6	63	1423	634	634	758	950	1168
	80	DIDW	500	9.4	7.5	84.3	64	1484	634	634	758	950	1168
9000	30	DIDW	560	8.43	5	76.9	57	956	710	710	1190	1065	1168
	40	DIDW	560	8.43	5	80.8	58	1032	710	710	1190	1065	1168
	50	DIDW	560	8.33	5	82.8	59	1099	710	710	1190	1065	1168
	60	DIDW	560	8.43	7.5	83.9	60	1162	710	710	1190	1065	1168
	70	DIDW	560	8.43	7.5	84.6	61	1223	710	710	1190	1065	1168
	80	DIDW	560	8.43	7.5	84.6	62	1282	710	710	1190	1065	1168
10000	30	DIDW	560	9.37	5	73.3	59	1009	710	710	1190	1065	1290
	40	DIDW	560	9.37	5	78.1	60	1084	710	710	1190	1065	1290
	50	DIDW	560	9.37	7.5	80.9	61	1150	710	710	1190	1065	1290
	60	DIDW	560	9.37	7.5	82.6	62	1211	710	710	1190	1065	1290
	70	DIDW	560	9.37	7.5	83.6	63	1269	710	710	1190	1065	1290
	80	DIDW	560	9.37	10	84.3	64	1324	710	710	1190	1065	1290
12000	30	DIDW	630	8.85	5	75.1	58	872	800	800	1310	1160	1290
	40	DIDW	630	8.85	7.5	79.5	59	939	800	800	1310	1160	1290
	50	DIDW	630	8.85	7.5	81.9	60	999	800	800	1310	1160	1290
	60	DIDW	630	8.85	7.5	83.3	61	1054	800	800	1310	1160	1290
	70	DIDW	630	8.85	10	84.2	62	1106	800	800	1310	1160	1290
	80	DIDW	630	8.85	10	84.6	63	1156	800	800	1460	1160	1290
14000	30	DIDW	710	8.2	5	78.0	57	742	898	898	1418	1265	1461
	40	DIDW	710	8.2	7.5	81.6	58	802	898	898	1418	1265	1461
	50	DIDW	710	8.2	7.5	83.3	59	856	898	898	1418	1265	1461
	60	DIDW	710	8.2	10	84.4	60	906	898	898	1418	1265	1461
	70	DIDW	710	8.2	10	84.7	60	954	898	898	1568	1265	1461
	80	DIDW	710	8.2	15	84.6	61	1002	898	898	1568	1265	1461

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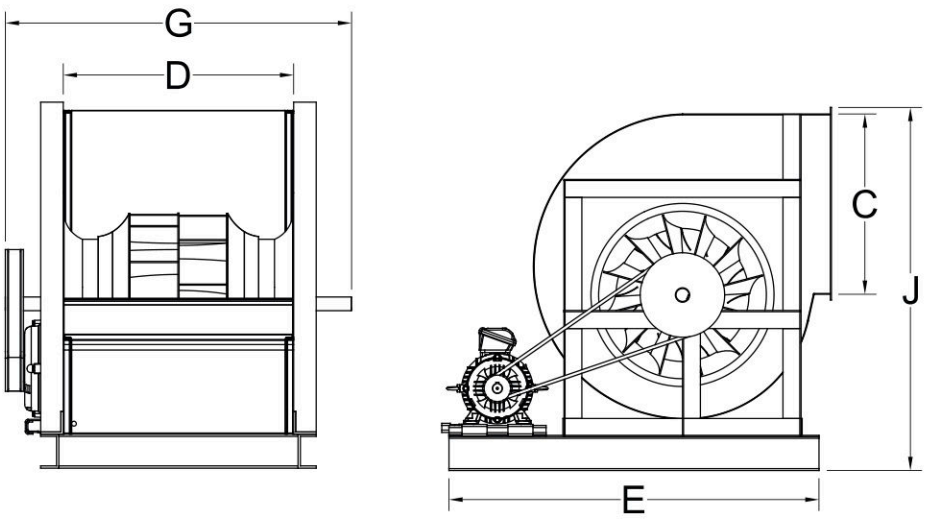
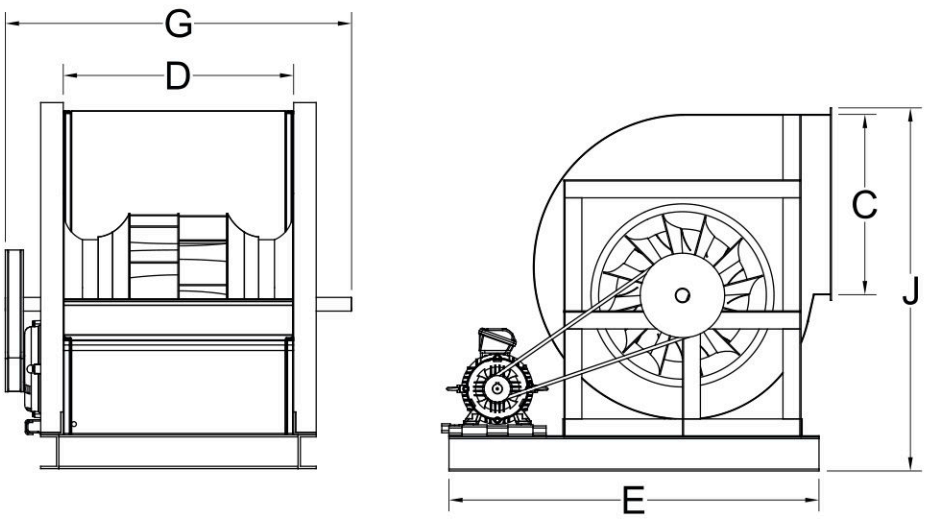


CENTRIFUGAL FAN (DIDW LIMIT LOAD FAN) WITH GUIDE VANES AT INLET

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
27000	30	DIDW	900	9.95	15	69	64	661	1132	1132	1851	1550	1715
	40	DIDW	900	9.95	15	74.6	65	703	1132	1132	1851	1550	1715
	50	DIDW	900	9.95	15	78.4	65	741	1132	1132	1851	1550	1715
	60	DIDW	900	9.95	20	80.8	66	777	1132	1132	1851	1550	1715
	70	DIDW	900	9.95	20	82.3	67	811	1132	1132	1851	1550	1715
	80	DIDW	900	9.95	20	83.3	68	844	1132	1132	1851	1550	1715
30000	30	DIDW	1000	8.84	15	72.8	62	559	1266	1266	1932	1715	1900
	40	DIDW	1000	8.84	15	78	63	598	1266	1266	1932	1715	1900
	50	DIDW	1000	8.84	15	80.9	63	634	1266	1266	1932	1715	1900
	60	DIDW	1000	8.84	20	82.6	64	668	1266	1266	1932	1715	1900
	70	DIDW	1000	8.84	20	83.5	65	700	1266	1266	1932	1715	1900
	80	DIDW	1000	8.84	25	84	66	732	1266	1266	1932	1715	1900
32000	30	DIDW	1000	9.43	15	70.3	64	581	1266	1266	1932	1715	2000
	40	DIDW	1000	9.43	15	75.8	64	619	1266	1266	1932	1715	2000
	50	DIDW	1000	9.43	20	79.3	65	654	1266	1266	1932	1715	2000
	60	DIDW	1000	9.43	20	81.5	65	686	1266	1266	1932	1715	2000
	70	DIDW	1000	9.43	25	82.8	66	717	1266	1266	1932	1715	2000
	80	DIDW	1000	9.43	25	83.6	67	748	1266	1266	1932	1715	2000
35000	30	DIDW	1120	8.17	15	75.5	61	480	1422	1422	2178	1870	2235
	40	DIDW	1120	8.17	15	79.9	61	516	1422	1422	2178	1870	2235
	50	DIDW	1120	8.17	20	82.2	63	548	1422	1422	2178	1870	2235
	60	DIDW	1120	8.17	20	83.4	64	580	1422	1422	2178	1870	2235
	70	DIDW	1120	8.17	25	84	65	610	1422	1422	2178	1870	2235
	80	DIDW	1120	8.17	30	84.1	66	639	1422	1422	2178	1870	2235
40000	30	DIDW	1120	9.34	15	70.3	64	517	1422	1422	2178	1870	2235
	40	DIDW	1120	9.34	20	75.8	64	551	1422	1422	2178	1870	2235
	50	DIDW	1120	9.34	20	79.3	65	583	1422	1422	2178	1870	2235
	60	DIDW	1120	9.34	25	81.5	66	612	1422	1422	2178	1870	2235
	70	DIDW	1120	9.34	30	82.8	67	640	1422	1422	2178	1870	2235
	80	DIDW	1120	9.34	30	83.5	67	667	1422	1422	2378	1870	2235
44000	30	DIDW	1250	8.27	15	75.2	61	432	1422	1422	2178	1870	2235
	40	DIDW	1250	8.27	20	79.7	62	464	1422	1422	2178	1870	2235
	50	DIDW	1250	8.27	25	82.1	63	493	1422	1422	2178	1870	2235
	60	DIDW	1250	8.27	25	83.4	64	521	1422	1422	2178	1870	2235
	70	DIDW	1250	8.27	30	83.9	65	548	1422	1422	2378	1870	2235
	80	DIDW	1250	8.27	40	84.1	66	574	1422	1422	2378	1870	2235

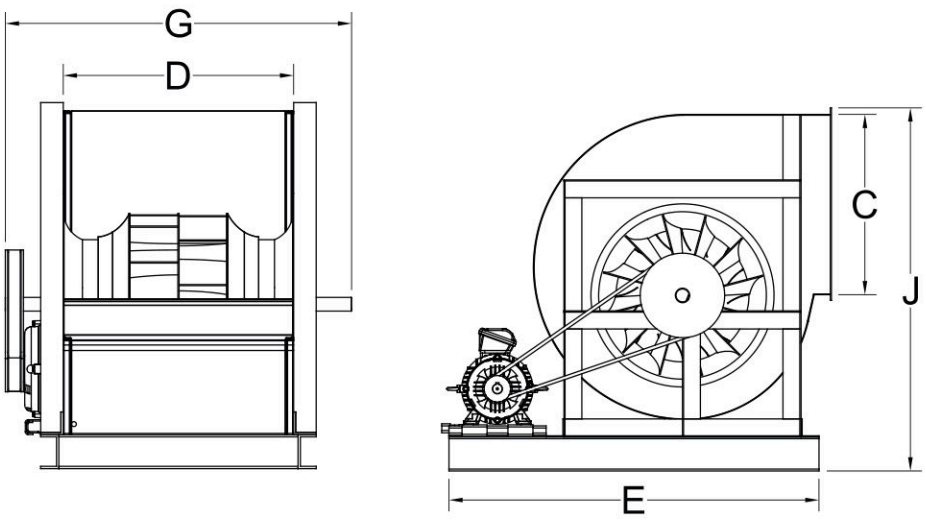
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



CENTRIFUGAL FAN (DIDW LIMIT LOAD FAN) WITH GUIDE VANES AT INLET

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
50000	30	DIDW	1250	9.4	20	72.4	64	464	1585	1585	2380	2050	1951
	40	DIDW	1250	9.4	25	78.1	65	495	1585	1585	2380	2050	1951
	50	DIDW	1250	9.4	30	81.7	65	523	1585	1585	2380	2050	1951
	60	DIDW	1250	9.4	30	83.9	66	549	1585	1585	2580	2050	1951
	70	DIDW	1250	9.4	40	85.3	67	574	1585	1585	2580	2050	1951
	80	DIDW	1250	9.4	40	86.0	68	598	1585	1585	2580	2050	1951
55000	30	DIDW	1400	8.24	20	77.6	61	385	1775	1775	2705	2250	2222
	40	DIDW	1400	8.24	25	82.2	62	414	1775	1775	2705	2250	2222
	50	DIDW	1400	8.24	30	84.7	63	440	1775	1775	2705	2250	2222
	60	DIDW	1400	8.24	40	85.9	65	465	1775	1775	2905	2250	2222
	70	DIDW	1400	8.24	40	86.5	66	489	1775	1775	2905	2250	2222
	80	DIDW	1400	8.24	40	86.6	66	512	1775	1775	2905	2250	2222
60000	30	DIDW	1400	8.99	25	74.2	63	404	1775	1775	2705	2250	2222
	40	DIDW	1400	8.99	30	79.5	64	432	1775	1775	2705	2250	2222
	50	DIDW	1400	8.99	30	82.8	65	457	1775	1775	2705	2250	2222
	60	DIDW	1400	8.99	40	84.7	66	481	1775	1775	2705	2250	2222
	70	DIDW	1400	8.99	40	85.8	67	504	1775	1775	2905	2250	2222
	80	DIDW	1400	8.99	50	86.4	68	526	1775	1775	2905	2250	2222
65000	30	DIDW	1400	9.5	25	77.9	68	409	1775	1775	2905	2250	2222
	40	DIDW	1400	9.5	25	84.5	69	437	1775	1775	2905	2250	2222
	50	DIDW	1400	9.5	30	89.0	69	463	1775	1775	2905	2250	2222
	60	DIDW	1400	9.5	40	91.2	70	486	1775	1775	2905	2250	2222
	70	DIDW	1400	9.5	40	92.3	73	508	1775	1775	2905	2250	2222
	80	DIDW	1400	9.5	50	93.4	73	529	1775	1775	2905	2250	2222
70000	40	DIDW	1600	7.5	30	86.8	66	358	2025	2025	3086	2550	3050
	50	DIDW	1600	7.5	40	89.0	67	382	2025	2025	3086	2550	3050
	60	DIDW	1600	7.5	40	90.1	68	404	2025	2025	3086	2550	3050
	70	DIDW	1600	7.5	40	91.2	69	426	2025	2025	3086	2550	3050
	80	DIDW	1600	7.5	50	91.2	70	446	2025	2025	3086	2550	3050
75000	40	DIDW	1600	8.6	30	84.5	67	370	2025	2025	3086	2550	3050
	50	DIDW	1600	7.5	40	87.9	68	393	2025	2025	3086	2550	3050
	60	DIDW	1600	7.5	40	89.0	69	415	2025	2025	3086	2550	3050
	70	DIDW	1600	7.5	50	90.1	70	435	2025	2025	3086	2550	3050
	80	DIDW	1600	7.5	50	91.2	71	455	2025	2025	3086	2550	3050
80000	40	DIDW	1600	9.2	40	82.3	69	382	2025	2025	3086	2550	3050
	50	DIDW	1600	9.2	40	86.8	70	405	2025	2025	3086	2550	3050
	60	DIDW	1600	9.2	50	89.0	70	426	2025	2025	3086	2550	3050
	70	DIDW	1600	9.2	50	90.1	71	446	2025	2025	3086	2550	3050
	80	DIDW	1600	9.2	60	90.1	72	465	2025	2025	3086	2550	3050
85000	40	DIDW	1800	7.7	40	87.9	65	313	2278	2278	3400	2890	3410
	50	DIDW	1800	7.7	40	90.1	67	335	2278	2278	3400	2890	3410
	60	DIDW	1800	7.7	50	91.2	68	355	2278	2278	3400	2890	3410
	70	DIDW	1800	7.7	50	91.2	69	374	2278	2278	3400	2890	3410
	80	DIDW	1800	7.7	60	91.2	70	393	2278	2278	3400	2890	3410
90000	40	DIDW	1800	8.2	40	86.8	66	321	2278	2278	3400	2890	3410
	50	DIDW	1800	8.2	40	89.0	68	342	2278	2278	3400	2890	3410
	60	DIDW	1800	8.2	50	90.1	69	362	2278	2278	3400	2890	3410
	70	DIDW	1800	8.2	60	91.2	69	381	2278	2278	3400	2890	3410
	80	DIDW	1800	8.2	60	91.2	70	399	2278	2278	3400	2890	3410

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



CENTRIFUGAL FAN (DIDW LIMIT LOAD FAN) WITH GUIDE VANES AT INLET

AIR VOLUME	STATIC PRESSURE	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
95000	40	DIDW	1800	8.2	40	86.8	66	321	2278	2278	3400	2890	3410
	50	DIDW	1800	8.2	40	89.0	68	342	2278	2278	3400	2890	3410
	60	DIDW	1800	8.2	50	90.1	69	362	2278	2278	3400	2890	3410
	70	DIDW	1800	8.2	60	91.2	69	381	2278	2278	3400	2890	3410
	80	DIDW	1800	8.2	60	91.2	70	399	2278	2278	3400	2890	3410
100000	40	DIDW	1800	9.1	40	83.4	68	338	2278	2278	3400	2890	3410
	50	DIDW	1800	9.1	50	86.8	69	358	2278	2278	3400	2890	3410
	60	DIDW	1800	9.1	60	89.0	70	377	2278	2278	3400	2890	3410
	70	DIDW	1800	9.1	60	90.1	71	395	2278	2278	3400	2890	3410
	80	DIDW	1800	9.1	75	90.1	72	412	2278	2278	3400	2890	3410
110000	40	DIDW	2000	8.11	50	86.8	67	288	2530	2530	3842	3230	3815
	50	DIDW	2000	8.11	50	89.0	68	307	2530	2530	3842	3230	3815
	60	DIDW	2000	8.11	60	90.1	69	325	2530	2530	3842	3230	3815
	70	DIDW	2000	8.11	75	91.2	70	342	2530	2530	3842	3230	3815
	80	DIDW	2000	8.11	75	91.2	71	358	2530	2530	3842	3230	3815
120000	40	DIDW	2000	8.8	50	84.5	68	300	2530	2530	3842	3230	3815
	50	DIDW	2000	8.8	60	86.8	66	319	2530	2530	3842	3230	3815
	60	DIDW	2000	8.8	75	89.0	70	336	2530	2530	3842	3230	3815
	70	DIDW	2000	8.8	75	90.1	71	352	2530	2530	3842	3230	3815
	80	DIDW	2000	8.8	100	91.2	72	368	2530	2530	3842	3230	3815

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

FORWARD CURVED

HUMIDIN CENTRIFUGAL FAN DIDW-FORWARD CURVED

CENTRIFUGAL BLOWERS, DIDW Fans, are designed to move air or gases by converting rotational kinetic energy into pressure energy. These blowers are used in a wide variety of applications where controlled, high-pressure Air moves is required. The "DIDW" designation indicates two inlets and double-width construction, which together allow for higher efficiency and greater Air moves capacity. The blades optimize the blower's performance by reducing the potential for cavitation and improving energy efficiency.

FEATURES:

1. Double Inlet (DIDW):

Two Inlets: The blower has two intake ports (inlets) instead of one, allowing it to draw air from both sides of the unit. This configuration enhances Air moves capacity and helps balance the load across the system.

Increased Efficiency The dual inlet system improves Air moves and reduces the chance of system imbalance, resulting in better overall performance.

2. Double Width:

Broader Fan Wheel: The "double width" design refers to the fan wheel's larger width, which increases the volume of air the blower can move, enabling higher flow rates without needing a larger fan.

Higher Air moves The double-width construction allows for better air distribution and can handle more significant volumes of air, which is essential in larger-scale industrial applications.

3. Forward Curved Fans Blades:

Blade Design: The forward curve blades are designed to be curved in the same direction as the Air moves. This design creates a centrifugal force that helps push air outward, resulting in high-volume Air moves.

Higher Air moves at Low Pressure Forward curve blades are highly efficient at moving large amounts of air, making them ideal for applications where a high volume of Air moves is required at lower pressures.

4. Versatility in Pressure Handling:

Medium / Low Pressure Capability: DIDW Forward curve blowers are designed for applications where Lower system pressures are encountered, making them ideal for heavy-duty tasks like air handling and fume extraction systems.

Stable Operation: These blowers maintain a consistent Air moves even when the pressure in the system fluctuates, ensuring reliable operation.

5. Low Maintenance and Durability:

Due to the robust design of the fan and the minimal wear on Forward curve blades, DIDW blowers typically require less maintenance over time. Their efficiency and durability are crucial in industrial settings where blower performance is critical.

6. Noise Reduction:

The Forward curve blades also help reduce operational noise, as they generate less turbulence. This makes the blower suitable for environments where noise control is a priority, such as in commercial HVAC systems.

7. Shaft

The shaft used for the fan are made of EN-8/SAE-1040 carbon steel and machined to the prescribed tolerances with standard key ways The Shaft are grinded for better performance and finish. The Shafts are coated with Varnish/Laquer after assembly.

8 Bearings

HUMIDIN Backward curved blower have (NTN/FYH bearings) of international standard The Bearings are either deep groove ball bearings or spherical roller bearings with accentric locking collars/adaptor sleeve sealed at both sides. The Bearings are pre-lubricated and are maintenance free.

MATERIAL OF CONSTRUCTION:

CASING - GI/MS/SS/MS(HOT DIP GALVANIZED)

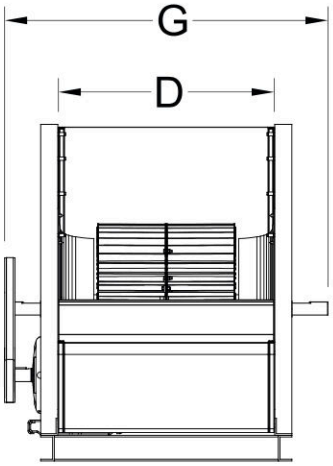
- SHAFT - MS (EN 8) / SS
- BEARING - PILLOW BLOCK
- IMPELLER - MS/GI/SS
- IMPELLER HUB - CI / CI WITH TAPPER BUSH ARRANGEMENT
- SIDE FRAME - MS / SS
- INLET CONE - FRP/MS/GI/SS
-

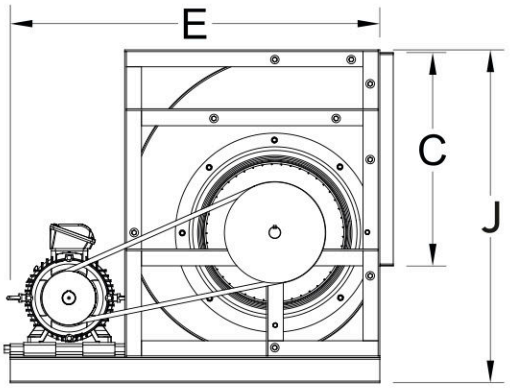
APPLICATIONS

HVAC Systems:

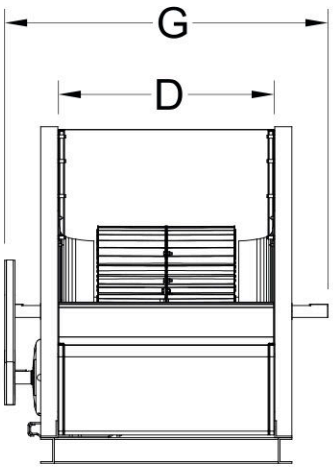
- Air Handling Units (AHUs):
- Industrial Process Ventilation:
- Clean Room Applications:
-

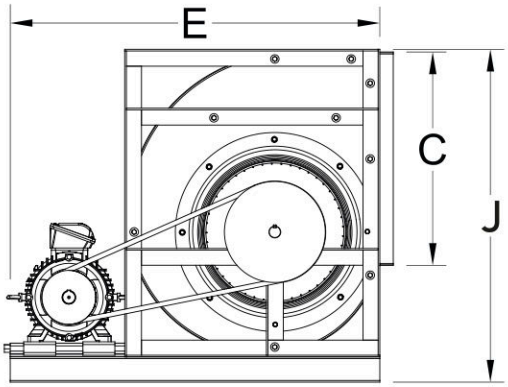
DIMENSIONS TABLE OF FORWARD CURVE (DIDW) SERIES





CENTRIFUGAL FAN (DIDW - FORWARD CURVED)													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
3000	20	DIDW	315	8.69	1.5	49	58	900	404	404	751	625	656
	30	DIDW	315	8.69	1.5	55.5	60	1022	404	404	751	625	656
	40	DIDW	315	8.69	2	58.9	62	1150	404	404	751	625	656
	50	DIDW	315	8.69	2	60.5	64	1279	404	404	751	625	656
5000	20	DIDW	400	9.2	2	48.5	60	719	507	507	879	765	809
	30	DIDW	400	9.2	3	54.9	62	813	507	507	916	765	809
	40	DIDW	400	9.2	3	58.6	63	909	507	507	916	765	809
	50	DIDW	400	9.22	5	60.4	65	1004	507	507	916	765	809
6000	20	DIDW	450	8.77	3	50.2	60	624	568	568	992	885	900
	30	DIDW	450	8.77	3	56.4	62	712	568	568	992	885	900
	40	DIDW	450	8.77	5	59.6	63	804	568	568	992	885	900
	50	DIDW	450	8.77	5	61	65	895	568	568	992	885	900
8000	20	DIDW	500	9.28	5	47.3	62	582	634	634	758	950	990
	30	DIDW	500	9.28	5	53.3	63	655	634	634	758	950	990
	40	DIDW	500	9.28	5	57.8	65	730	634	634	758	950	990
	50	DIDW	500	9.28	7.5	60	66	807	634	634	758	950	990
9000	20	DIDW	560	8.33	5	50.9	60	495	710	710	1190	1065	1100
	30	DIDW	560	8.33	5	57	62	568	710	710	1190	1065	1100
	40	DIDW	560	8.33	5	60	64	644	710	710	1190	1065	1100
	50	DIDW	560	8.33	7.5	61.1	66	720	710	710	1190	1065	1100
10000	20	DIDW	560	9.26	5	47.5	62	519	710	710	1190	1065	1100
	30	DIDW	560	9.26	5	54	64	584	710	710	1190	1065	1100
	40	DIDW	560	9.26	7.5	57.9	66	651	710	710	1190	1065	1100
	50	DIDW	560	9.26	7.5	60.1	67	720	710	710	1190	1065	1100
12000	20	DIDW	630	8.85	5	49.3	62	450	800	800	1310	1160	1225
	30	DIDW	630	8.85	7.5	55.8	64	511	800	800	1310	1160	1225
	40	DIDW	630	8.85	7.5	59.2	66	775	800	800	1310	1160	1225
	50	DIDW	630	8.85	10	60.7	67	640	800	800	1310	1160	1225
14000	20	DIDW	710	8.2	5	61.3	57	340	898	898	1418	1265	1370
	30	DIDW	710	8.2	7.5	67.6	58	398	898	898	1418	1265	1370
	40	DIDW	710	8.2	7.5	70.4	60	452	898	898	1418	1265	1370
	50	DIDW	710	8.2	10	71.6	61	502	898	898	1418	1265	1370
15000	20	DIDW	710	8.79	5	58.7	59	347	898	898	1418	1265	1370
	30	DIDW	710	8.79	7.5	65.8	59	403	898	898	1418	1265	1370
	40	DIDW	710	8.79	7.5	69.3	61	455	898	898	1418	1265	1370
	50	DIDW	710	8.79	10	71	62	503	898	898	1418	1265	1370
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													



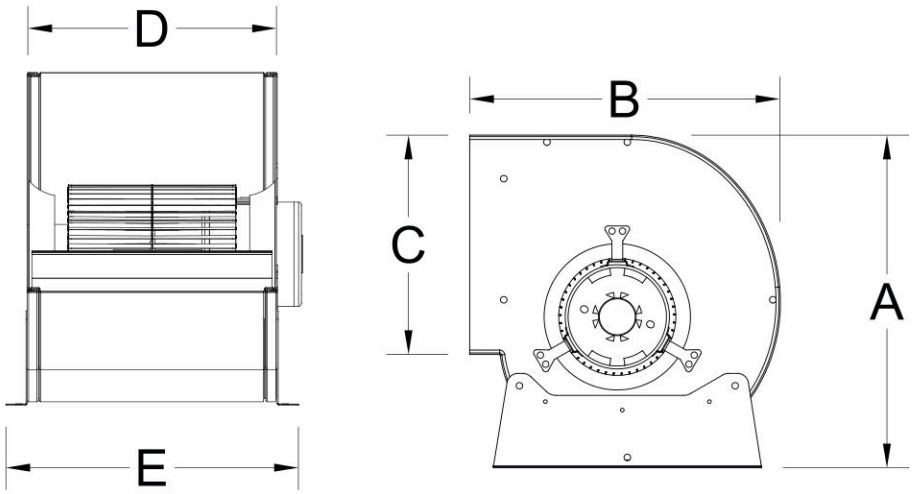


CENTRIFUGAL FAN (DIDW - FORWARD CURVED)

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
16000	20	DIDW	710	9.37	7.5	56.4	60	354	898	898	1418	1265	1370
	30	DIDW	710	9.37	7.5	63.7	61	409	898	898	1418	1265	1370
	40	DIDW	710	9.37	10	68	62	459	898	898	1418	1265	1370
	50	DIDW	710	9.37	10	70	63	506	898	898	1418	1265	1370
18000	20	DIDW	800	8.4	7.5	61.1	58	303	1006	1006	1690	1380	1532
	30	DIDW	800	8.4	7.5	67.5	59	354	1006	1006	1690	1380	1532
	40	DIDW	800	8.4	10	70.3	61	401	1006	1006	1690	1380	1532
	50	DIDW	800	8.4	10	71.6	62	446	1006	1006	1690	1380	1532
20000	20	DIDW	800	9.33	7.5	57.3	60	313	1006	1006	1540	1380	1532
	30	DIDW	800	9.33	10	64.3	61	362	1006	1006	1690	1380	1532
	40	DIDW	800	9.33	10	68.4	62	406	1006	1006	1690	1380	1532
	50	DIDW	800	9.33	15	70.4	63	448	1006	1006	1690	1380	1532
24000	20	DIDW	900	8.85	7.5	59.2	60	273	1132	1132	1701	1550	1715
	30	DIDW	900	8.85	10	61.1	61	318	1132	1132	1851	1550	1715
	40	DIDW	900	8.85	15	69.6	62	359	1132	1132	1851	1550	1715
	50	DIDW	900	8.85	15	71.1	63	397	1132	1132	1851	1550	1715
27000	20	DIDW	900	9.96	10	55	63	284	1132	1132	1851	1550	1715
	30	DIDW	900	9.96	15	62.2	63	327	1132	1132	1851	1550	1715
	40	DIDW	900	9.96	15	66.7	64	365	1132	1132	1851	1550	1715
	50	DIDW	900	9.96	15	69.5	65	401	1132	1132	1851	1550	1715
30000	20	DIDW	1000	8.85	10	58.4	60	247	1266	1266	1932	1715	1900
	30	DIDW	1000	8.85	15	65.6	61	287	1266	1266	1932	1715	1900
	40	DIDW	1000	8.85	15	69.1	63	323	1266	1266	1932	1715	1900
	50	DIDW	1000	8.85	15	70.9	65	358	1266	1266	1932	1715	1900
32000	20	DIDW	1000	9.44	15	56.1	62	252	1266	1266	1932	1715	1900
	30	DIDW	1000	9.44	15	63.5	62	291	1266	1266	1932	1715	1900
	40	DIDW	1000	9.44	20	67.8	64	326	1266	1266	1932	1715	1900
	50	DIDW	1000	9.44	20	69.9	65	360	1266	1266	1932	1715	1900
35000	20	DIDW	1120	8.17	10	60.9	59	216	1422	1422	2178	1870	2235
	30	DIDW	1120	8.17	15	67.4	60	253	1422	1422	2178	1870	2235
	40	DIDW	1120	8.17	20	70.2	62	286	1422	1422	2178	1870	2235
	50	DIDW	1120	8.35	20	71.5	64	318	1422	1422	2178	1870	2235
40000	20	DIDW	1120	9.34	15	56	62	225	1422	1422	2178	1870	2235
	30	DIDW	1120	9.34	20	63.4	63	259	1422	1422	2178	1870	2235
	40	DIDW	1120	9.34	20	67.8	64	291	1422	1422	2178	1870	2235
	50	DIDW	1120	9.34	25	69.9	66	321	1422	1422	2178	1870	2235
45000	20	DIDW	1120	10.5	20	51.9	66	235	1422	1422	2178	1870	2235
	30	DIDW	1120	10.5	20	59.2	65	268	1422	1422	2178	1870	2235
	40	DIDW	1120	10.5	25	64.2	66	298	1422	1422	2178	1870	2235
	50	DIDW	1120	10.5	30	67.6	67	326	1422	1422	2178	1870	2235

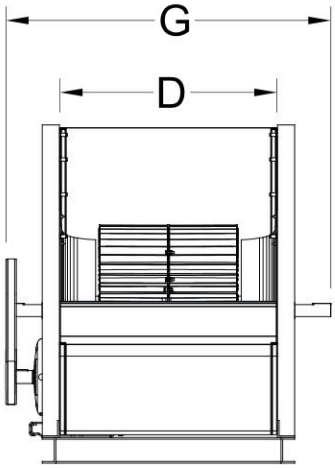
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

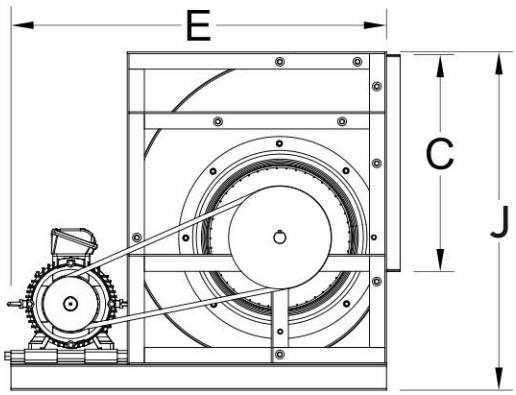
DIMENSIONS TABLE OF FORWARD CURVE-HTDD-(DIDW) SERIES



CENTRIFUGAL FAN (FORWARD CURVED-HTDD SERIES) DIRECT DRIVEN - SINGLE PHASE													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Outlet Vel. (m/s)	Three Speed **Single Phase** Motor (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	Min.-Max. RPM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
1000	10	DIDW	9/9.	6.05	0.5	55.1	54	980-1380	400	385	275	300	355
	15	DIDW	9/9.	6.05	0.5	45.3	59	980-1380	400	385	275	300	355
	20	DIDW	9/9.	6.05	0.5	44	62	980-1380	400	385	275	300	355
1500	10	DIDW	9/9.	9.07	0.5	52.2	52	980-1380	400	385	275	300	355
	15	DIDW	9/9.	8.6	0.5	54.5	54.3	980-1380	400	385	275	300	355
	20	DIDW	10/10.	9.07	0.75	57.1	57	950-1350	455	430	300	340	400
2000	10	DIDW	10/10.	9.3	0.75	57.3	56.4	950-1350	455	430	300	340	400
	15	DIDW	10/10.	9.87	0.75	61.6	58	950-1350	455	430	300	340	400
	20	DIDW	10/10.	9.87	0.75	64	59	950-1350	455	430	300	340	400
2500	10	DIDW	12/12.	8.8	1	60.9	56	780-920	535	495	341	394	450
	15	DIDW	12/12.	8.8	1	62	58	780-920	535	495	341	394	450
	20	DIDW	12/12.	8.76	1	62	62	780-920	535	495	341	394	450
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													

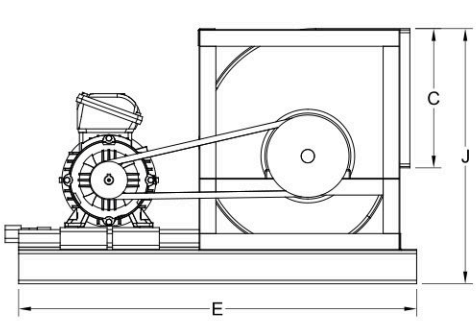
DIMENSIONS TABLE OF FORWARD CURVE-HT-(DIDW) SERIES

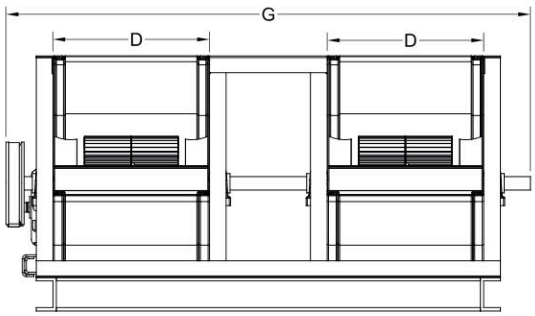




CENTRIFUGAL FAN (FORWARD CURVED-HT SERIES)													
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (INCH)	Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
1000	20	DIDW	7/7.	8	0.5	39.6	53.1	1435	208	245	570	390	380
	30	DIDW	7/7.	8	0.5	48.8	53.6	1581	208	245	570	390	380
	40	DIDW	7/7.	8	0.75	52.1	56.2	1791	208	245	570	390	380
1500	20	DIDW	9/9.	9.07	0.5	54.5	51.2	936	275	300	625	455	450
	30	DIDW	9/9.	9.07	0.75	57.4	56.4	1126	275	300	625	455	450
	40	DIDW	9/9.	9.07	0.75	57.5	59.7	1297	275	300	625	455	450
2000	20	DIDW	10/10.	9.87	0.5	57.9	53.3	839	300	340	665	500	505
	30	DIDW	10/10.	9.87	0.75	64.3	56.1	976	300	340	665	500	505
	40	DIDW	10/10.	9.87	1	66.8	58.9	1110	300	340	665	500	505
3000	20	DIDW	12/12.	10.5	1	59.1	53.7	710	341	395	735	585	575
	30	DIDW	12/12.	10.5	1.5	61.2	57.9	856	341	395	735	585	575
	40	DIDW	12/12.	10.5	1.5	61.9	60.9	980	341	395	735	585	575
4000	20	DIDW	15/15.	9.99	1	62.5	54.4	603	415	465	825	685	670
	30	DIDW	15/15.	9.99	1.5	70.1	57.1	704	415	465	825	685	670
	40	DIDW	15/15.	9.99	1.5	73.1	60.2	808	415	465	825	685	670
5000	20	DIDW	18/18.	8.87	1.5	66.2	54.9	507	490	545	945	790	795
	30	DIDW	18/18.	8.87	2	67.3	60.6	612	490	545	945	790	795
	40	DIDW	18/18.	8.87	3	63.6	63.3	729	490	545	945	790	795
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													

DIMENSIONS TABLE OF FORWARD CURVE-HTT-(DIDW) SERIES

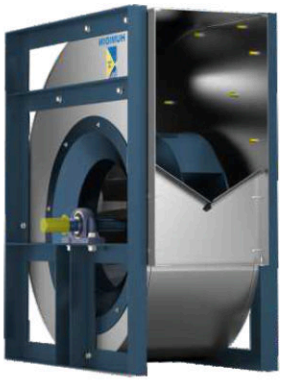




CENTRIFUGAL FAN (FORWARD CURVED-HTT SERIES)

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	O.Vel (m/s)	MOTOR (HP)	TOTAL EFFICIENCY (%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	J (mm)
2000	20	DIDW	7/7. x 2	8	1	36.8	58.6	1492	208	232	570	812	380
	30	DIDW	7/7. x 2	8	1	45.4	60.5	1645	208	232	570	812	380
	40	DIDW	7/7. x 2	8	1.5	48.4	63.3	1863	208	232	570	812	380
	50	DIDW	7/7. x 2	8	1.5	50.3	66.3	2103	208	232	570	812	380
3000	20	DIDW	9/9. x 2	9	1	50.7	58.9	973	275	300	625	1000	450
	30	DIDW	9/9. x 2	9	1.5	53.4	63.4	1171	275	300	625	1000	450
	40	DIDW	9/9. x 2	9	2	53.5	61.4	1349	275	300	625	1000	450
	50	DIDW	9/9. x 2	9	3	46.2	66.6	1610	275	300	625	1000	450
4000	20	DIDW	10/10. x 2	9.87	1.5	53.8	57.5	873	300	340	665	1085	505
	30	DIDW	10/10. x 2	9.87	1.5	59.8	60.5	1015	300	340	665	1085	505
	40	DIDW	10/10. x 2	9.87	2	62.2	60.5	1154	300	340	665	1085	505
	50	DIDW	10/10. x 2	9.87	3	60.9	63.8	1311	300	340	665	1085	505
6000	20	DIDW	12/12. x 2	10.5	2	55	60.3	738	341	395	735	1320	575
	30	DIDW	12/12. x 2	10.5	3	57	64.7	891	341	395	772	1320	575
	40	DIDW	12/12. x 2	10.5	3	57.6	66.5	1019	341	395	772	1320	575
	50	DIDW	12/12. x 2	10.5	5	56.3	67	1160	341	395	772	1320	575
8000	20	DIDW	15/15. x 2	9.99	3	58.2	57.4	628	415	465	862	1560	670
	30	DIDW	15/15. x 2	9.99	3	65.2	60.4	733	415	465	862	1560	670
	40	DIDW	15/15. x 2	9.99	5	68	63.5	840	415	465	862	1560	670
	50	DIDW	15/15. x 2	9.99	5	67.6	66.4	952	415	465	862	1560	670
11000	20	DIDW	18/18. x 2	9.75	3	60.2	62.5	532	490	545	982	1805	795
	30	DIDW	18/18. x 2	9.75	5	62.4	67.1	641	490	545	982	1805	795
	40	DIDW	18/18. x 2	9.75	5	61.7	70.7	738	490	545	982	1805	795
	50	DIDW	18/18. x 2	9.75	7.5	58.1	70.4	853	490	545	1015	1805	795

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



CENTRIFUGAL FAN (SISW)

HUMIDIN CENTRIFUGAL FAN SISW-BACKWARD / AEROFOIIL / LIMIT LOAD FANS

CENTRIFUGAL BLOWERS, SISW fans, are designed to move air or gases by converting rotational kinetic energy into pressure energy. These blowers are used in a wide variety of applications where controlled, high-pressure Air moves is required. The "SISW" designation indicates two inlets and double-width construction, which together allow for higher efficiency and greater Air moves capacity. The blades optimize the blower's performance by reducing the potential for cavitation and improving energy efficiency.

FEATURES:

1. Single Inlet (SISW):

Single Inlets: The blower has One Side intake ports (inlets) instead of Two, allowing it to draw air from One side of the unit. This configuration enhances Air moves capacity and helps balance the load across the system.

Increased Efficiency: The Single inlet system improves Air moves and reduces the chance of system imbalance, resulting in better overall performance.

2. Single Width:

Narrower Fan Wheel: The single width fan wheel means that the fan has a more narrow rotor compared to double-width designs. This results in a smaller overall footprint, ideal for environments where space efficiency is essential.

Moderate Air moves Capacity: While it can still move a significant volume of air, the single width design limits the maximum Air moves capacity compared to wider designs.

3. Backward / Aerofoil / Limit Load Fan Blades:

Blade Design: Backward Curve Blades: In some cases, backward curve blades are used, providing higher efficiency at moderate to high pressures. Backward curve blades generally offer better energy efficiency and lower wear compared to forward curve blades.

4. Versatility in Pressure Handling:

Medium / Low Pressure Capability: SISW Backward curve blowers are designed for applications where Lower system pressures are encountered, making them ideal for heavy-duty tasks like air handling and fume extraction systems.Stable Operation: These blowers maintain a consistent Air moves even when the pressure in the system fluctuates, ensuring reliable operation.

5. Low Maintenance and Durability:

Due to the robust design of the fan and the minimal wear on Backward curve blades, SISW blowers typically require less maintenance over time. Their efficiency and durability are crucial in industrial settings where blower performance is critical.

6. Noise Reduction:

The Backward curve blades also help reduce operational noise, as they generate less turbulence. This makes the blower suitable for environments where noise control is a priority, such as in commercial HVAC systems.

7. Shaft

The shaft used for the fan are made of EN-8/SAE-1040 carbon steel and machined to the prescribed tolerances with standard key ways The Shaft are grinded for better performance and finish. The Shafts are coated with Varnish/Laquer after assembly.

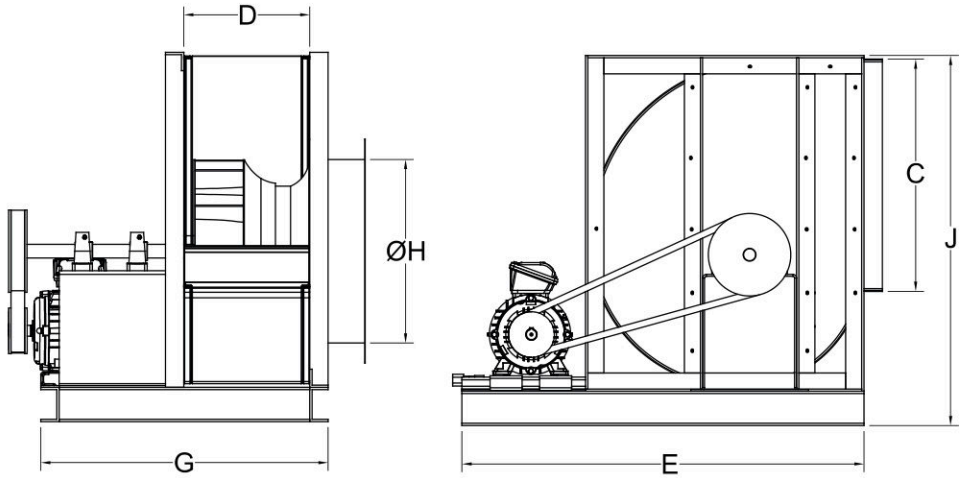
MATERIAL OF CONSTRUCTION:

- CASING - GI/MS/SS/MS(HOT DIP GALVANIZED)
- SHAFT - MS (EN 8) / SS
- BEARING - PILLOW BLOCK
- IMPELLER - MS/GI/SS
- IMPELLER HUB - CI / CI WITH TAPPER BUSH ARRANGEMENT
- SIDE FRAME - MS / SS
- INLET CONE - FRP/MS/GI/SS

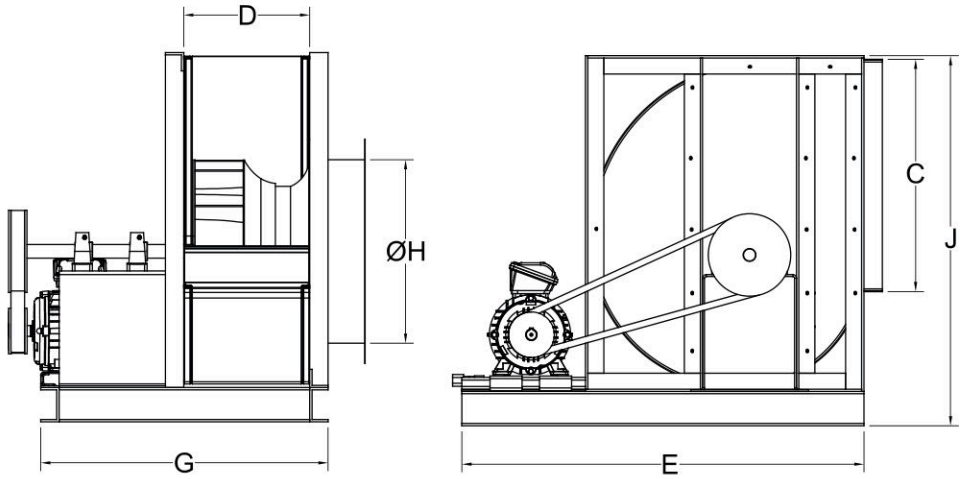
APPLICATIONS

- HVAC Systems
- Industrial Ventilation
- Air Handling Units
- Dust Collection
- Exhaust Fans
- Drying Systems
- Cooling Systems

DIMENSIONS TABLE OF BACKWARD / AEROFOIL (SISW) SERIES



CENTRIFUGAL FAN (BACKWARD CURVED)-SISW														
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
1200	40	SISW	315	6.3	0.75	67.9	61	1880	405	223	750	527	315	657
	50	SISW	315	6.3	0.75	67.9	64	2041	405	223	750	527	315	657
	60	SISW	315	6.3	0.75	66.9	65	2193	405	223	750	527	315	657
	70	SISW	315	6.3	1	66.9	66	2335	405	223	750	527	315	657
	80	SISW	315	6.3	1	65.0	67	2468	405	223	750	527	315	657
	90	SISW	315	6.3	1.5	64.0	68	2595	405	223	750	527	315	657
	100	SISW	315	6.3	1.5	63.1	69	2715	405	223	750	527	315	657
	110	SISW	315	6.3	1.5	61.1	70	2831	405	223	750	527	315	657
	120	SISW	315	6.3	2	60.1	71	2944	405	223	750	527	315	657
2000	40	SISW	355	8.46	1	66.0	65	1854	452	247	810	535	355	728
	50	SISW	355	8.46	1	67.9	66	1973	452	247	810	535	355	728
	60	SISW	355	8.46	1.5	68.9	68	2086	452	247	810	535	355	728
	70	SISW	355	8.46	1.5	69.8	69	2194	452	247	810	535	355	728
	80	SISW	355	8.46	2	69.8	70	2298	452	247	810	535	355	728
	90	SISW	355	8.46	2	69.8	71	2397	452	247	810	535	355	728
	100	SISW	355	8.46	2	69.8	74	2495	452	247	810	535	355	728
	110	SISW	355	8.46	3	69.8	77	2589	452	247	810	535	355	728
	120	SISW	355	8.46	3	69.8	78	2681	452	247	810	535	355	728
3000	40	SISW	400	10.2	1.5	62.1	69	1827	507	274	880	589	400	808
	50	SISW	400	10.2	2	66.0	70	1921	507	274	880	589	400	808
	60	SISW	400	10.2	2	67.9	70	2011	507	274	880	589	400	808
	70	SISW	400	10.2	3	69.8	71	2098	507	274	880	589	400	808
	80	SISW	400	10.2	3	69.8	72	2184	507	274	880	589	400	808
	90	SISW	400	10.2	3	70.8	74	2268	507	274	880	589	400	808
	100	SISW	400	10.2	3	70.8	74	2350	507	274	880	589	400	808
	110	SISW	400	10.2	5	70.8	75	2430	507	274	880	589	400	808
	120	SISW	400	10.2	5	70.8	75	2507	507	274	880	589	400	808
4000	40	SISW	450	10.8	2	61.1	69	1638	568	306	955	667	450	900
	50	SISW	450	10.8	3	65.0	70	1726	568	306	955	667	450	900
	60	SISW	450	10.8	3	67.9	70	1807	568	306	955	667	450	900
	70	SISW	450	10.8	3	68.9	71	1884	568	306	955	667	450	900
	80	SISW	450	10.8	5	70.8	72	1958	568	306	955	667	450	900
	90	SISW	450	10.8	5	70.8	73	2030	568	306	955	667	450	900
	100	SISW	450	10.8	5	71.8	73	2100	568	306	955	667	450	900
	110	SISW	450	10.8	5	71.8	74	2169	568	306	955	667	450	900
	120	SISW	450	10.8	5	71.8	74	2336	568	306	955	667	450	900
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE														



CENTRIFUGAL FAN (BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel.	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
5000	40	SISW	500	10.7	3	63.1	70	1466	634	345	1098	741	500	989
	50	SISW	500	10.7	3	66.0	70	1548	634	345	1098	741	500	989
	60	SISW	500	10.7	5	67.9	71	1622	634	345	1098	741	500	989
	70	SISW	500	10.7	5	68.9	72	1692	634	345	1098	741	500	989
	80	SISW	500	10.7	5	70.8	73	1759	634	345	1098	741	500	989
	90	SISW	500	10.7	5	71.8	73	1823	634	345	1098	741	500	989
	100	SISW	500	10.7	5	71.8	76	1884	634	345	1098	741	500	989
	110	SISW	500	10.7	7.5	72.8	79	1944	634	345	1098	741	500	989
	120	SISW	500	10.7	7.5	72.8	79	2003	634	345	1098	741	500	989
6000	40	SISW	560	10.36	3	65.0	70	1290	710	383	850	817	560	1098
	50	SISW	560	10.36	5	67.9	71	1360	710	383	850	817	560	1098
	60	SISW	560	10.36	5	69.8	72	1426	710	383	850	817	560	1098
	70	SISW	560	10.36	5	71.8	72	1489	710	383	850	817	560	1098
	80	SISW	560	10.36	5	72.8	73	1550	710	383	850	817	560	1098
	90	SISW	560	10.36	7.5	72.8	74	1609	710	383	850	817	560	1098
	100	SISW	560	10.36	7.5	73.7	74	1665	710	383	850	817	560	1098
	110	SISW	560	10.36	7.5	73.7	75	1722	710	383	850	817	560	1098
	120	SISW	560	10.36	7.5	73.7	75	1775	710	383	850	817	560	1098
7000	40	SISW	630	9.5	3	69.8	68	1077	800	433	956	917	630	1225
	50	SISW	630	9.5	5	72.8	68	1141	800	433	956	917	630	1225
	60	SISW	630	9.5	5	73.7	69	1201	800	433	956	917	630	1225
	70	SISW	630	9.5	5	74.7	70	1259	800	433	956	917	630	1225
	80	SISW	630	9.5	7.5	75.7	73	1315	800	433	956	917	630	1225
	90	SISW	630	9.5	7.5	75.7	74	1370	800	433	956	917	630	1225
	100	SISW	630	9.5	7.5	74.7	74	1423	800	433	956	917	630	1225
	110	SISW	630	9.5	7.5	74.7	75	1475	800	433	956	917	630	1225
	120	SISW	630	9.5	10	74.7	75	1524	800	433	956	917	630	1225
8000	40	SISW	710	8.8	5	72.8	67	922	896	479	1078	1009	710	1368
	50	SISW	710	8.8	5	74.7	68	982	896	479	1078	1009	710	1368
	60	SISW	710	8.8	5	75.7	69	1039	896	479	1078	1009	710	1368
	70	SISW	710	8.8	5	76.6	69	1094	896	479	1078	1009	710	1368
	80	SISW	710	8.8	7.5	76.6	70	1146	896	479	1078	1009	710	1368
	90	SISW	710	8.8	7.5	76.6	71	1197	896	479	1078	1009	710	1368
	100	SISW	710	8.8	7.5	75.7	72	1245	896	479	1078	1009	710	1368
9000	40	SISW	710	9.9	5	69.8	69	975	896	479	1078	1009	710	1368
	50	SISW	710	9.9	5	69.8	69	975	896	479	1078	1009	710	1368
	60	SISW	710	9.9	7.5	74.7	71	1088	896	479	1078	1009	710	1368
	70	SISW	710	9.9	7.5	75.7	72	1140	896	479	1078	1009	710	1368
	80	SISW	710	9.9	7.5	76.6	72	1190	896	479	1078	1009	710	1368

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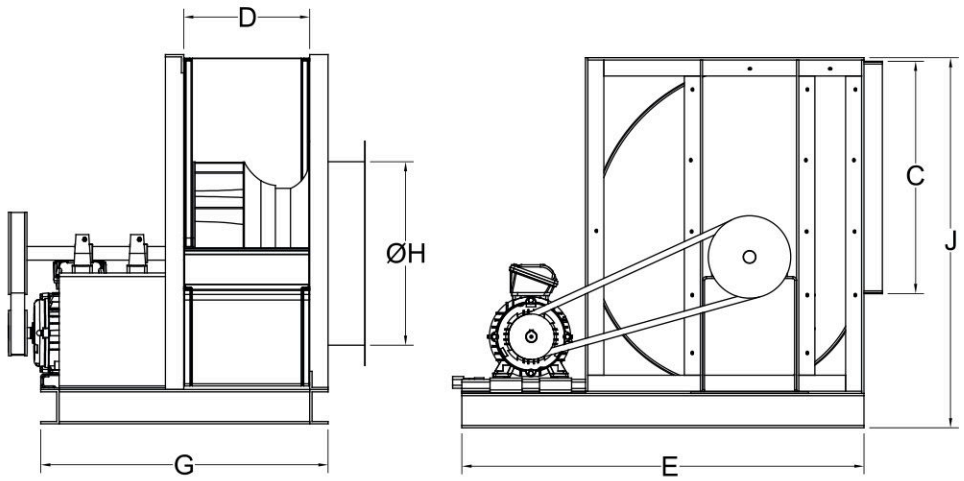

CENTRIFUGAL FAN (BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel.	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
10000	40	SISW	800	8.8	5	72.8	66	811	1006	533	1200	1117	800	1532
	50	SISW	800	8.8	5	75.7	67	863	1006	533	1200	1117	800	1532
	60	SISW	800	8.8	7.5	76.6	68	913	1006	533	1200	1117	800	1532
	70	SISW	800	8.8	7.5	76.6	68	962	1006	533	1200	1117	800	1532
	80	SISW	800	8.8	7.5	76.6	69	1009	1006	533	1200	1117	800	1532
	90	SISW	800	8.8	10	76.6	70	1054	1006	533	1200	1117	800	1532
12000	40	SISW	900	8.4	5	73.7	66	710	1132	595	1362	1243	900	1715
	50	SISW	900	8.4	7.5	75.7	67	757	1132	595	1362	1243	900	1715
	60	SISW	900	8.4	7.5	76.6	68	802	1132	595	1362	1243	900	1715
	70	SISW	900	8.4	7.5	77.6	68	846	1132	595	1362	1243	900	1715
	80	SISW	900	8.4	10	77.6	69	888	1132	595	1362	1243	900	1715
	90	SISW	900	8.4	10	76.6	70	929	1132	595	1362	1243	900	1715
14000	40	SISW	900	9.8	7.5	69.8	68	767	1132	595	1362	1243	900	1715
	50	SISW	900	9.8	7.5	72.8	70	810	1132	595	1362	1243	900	1715
	60	SISW	900	9.8	10	74.7	70	851	1132	595	1362	1243	900	1715
	70	SISW	900	9.8	10	76.6	71	891	1132	595	1362	1243	900	1715
	80	SISW	900	9.8	10	76.6	72	929	1132	595	1362	1243	900	1715
15000	40	SISW	900	10.5	7.5	67.9	70	796	1132	595	1362	1243	900	1715
	50	SISW	900	10.5	10	70.8	71	839	1132	595	1362	1243	900	1715
	60	SISW	900	10.5	10	73.7	72	878	1132	595	1362	1243	900	1715
	70	SISW	900	10.5	10	74.7	72	916	1132	595	1362	1243	900	1715
	80	SISW	900	10.5	15	76.6	73	953	1132	595	1362	1243	900	1715
16000	40	SISW	1000	9	7.5	73.7	67	659	1266	663	1442	1377	1000	1900
	50	SISW	1000	9	7.5	76.6	67	701	1266	663	1442	1377	1000	1900
	60	SISW	1000	9	10	77.6	68	741	1266	663	1442	1377	1000	1900
	70	SISW	1000	9	10	78.6	70	779	1266	663	1442	1377	1000	1900
	80	SISW	1000	9	15	78.6	70	817	1266	663	1442	1377	1000	1900
	90	SISW	1000	9	15	77.6	71	854	1266	663	1442	1377	1000	1900
18000	40	SISW	1000	10.12	7.5	70.2	68	698	1266	663	1442	1377	1000	1900
	50	SISW	1000	10.12	10	73.1	69	739	1266	663	1442	1377	1000	1900
	60	SISW	1000	10.12	10	75.6	69	777	1266	663	1442	1377	1000	1900
	70	SISW	1000	10.12	15	77.3	70	812	1266	663	1442	1377	1000	1900
	80	SISW	1000	10.12	15	78.2	71	847	1266	663	1442	1377	1000	1900
20000	40	SISW	1120	8.93	10	73.3	68	587	1422	744	1688	1554	1120	2135
	50	SISW	1120	8.93	10	76.0	69	623	1422	744	1688	1554	1120	2135
	60	SISW	1120	8.93	10	77.6	70	658	1422	744	1688	1554	1120	2135
	70	SISW	1120	8.93	15	78.3	71	692	1422	744	1688	1554	1120	2135
	80	SISW	1120	8.93	15	78.6	71	724	1422	744	1688	1554	1120	2135
	90	SISW	1120	8.93	20	78.5	72	756	1422	744	1688	1554	1120	2135

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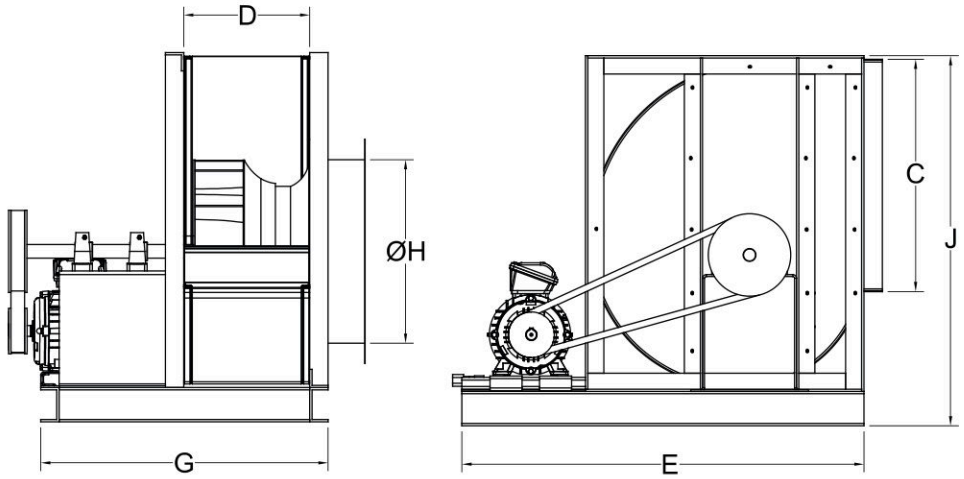

CENTRIFUGAL FAN (BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel.	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
24000	40	SISW	1120	10.71	15	68.4	71	646	1422	744	1688	1554	1120	2135
	50	SISW	1120	10.71	15	71.5	72	681	1422	744	1688	1554	1120	2135
	60	SISW	1120	10.71	15	73.9	73	712	1422	744	1688	1554	1120	2135
	70	SISW	1120	10.71	15	75.7	74	742	1422	744	1688	1554	1120	2135
	80	SISW	1120	10.71	20	77.0	74	771	1422	744	1688	1554	1120	2135
27000	40	SISW	1250	10.4	15	69.8	71	577	1585	803	1887	1681	1250	2390
	50	SISW	1250	10.4	15	72.8	72	609	1585	803	1887	1681	1250	2390
	60	SISW	1250	10.4	20	75.7	72	639	1585	803	1887	1681	1250	2390
	70	SISW	1250	10.4	20	76.6	73	667	1585	803	1887	1681	1250	2390
	80	SISW	1250	10.4	20	77.6	74	694	1585	803	1887	1681	1250	2390
30000	40	SISW	1400	8.45	15	76.6	67	448	1585	803	1887	1681	1250	2390
	50	SISW	1400	8.45	15	78.6	68	477	1585	803	1887	1681	1250	2390
	60	SISW	1400	8.45	20	79.5	70	505	1585	803	1887	1681	1250	2390
	70	SISW	1400	8.45	20	79.5	70	533	1585	803	1887	1681	1250	2390
	80	SISW	1400	8.45	20	79.5	71	560	1585	803	1887	1681	1250	2390
	90	SISW	1400	8.45	25	79.5	72	585	1585	803	1887	1681	1250	2390
	100	SISW	1400	8.45	25	78.6	72	610	1585	803	1887	1681	1250	2390
35000	40	SISW	1400	9.86	15	72.8	69	483	1585	803	1887	1681	1250	2390
	50	SISW	1400	9.86	20	75.7	72	511	1585	803	1887	1681	1250	2390
	60	SISW	1400	9.86	20	77.6	72	536	1585	803	1887	1681	1250	2390
	70	SISW	1400	9.86	25	78.6	73	561	1585	803	1887	1681	1250	2390
	80	SISW	1400	9.86	25	79.5	74	586	1585	803	1887	1681	1250	2390
	90	SISW	1400	9.86	30	79.5	74	609	1585	803	1887	1681	1250	2390
	100	SISW	1400	9.86	40	72.8	75	681	1585	803	1887	1681	1250	2390
40000	40	SISW	1400	11.27	20	68.9	73	519	1585	803	1887	1681	1250	2390
	50	SISW	1400	11.27	25	71.8	74	547	1585	803	1887	1681	1250	2390
	60	SISW	1400	11.27	25	74.7	75	571	1585	803	1887	1681	1250	2390
	70	SISW	1400	11.27	30	76.6	75	594	1585	803	1887	1681	1250	2390
	80	SISW	1400	11.27	30	77.6	76	617	1585	803	1887	1681	1250	2390
	90	SISW	1400	11.27	40	78.6	76	638	1585	803	1887	1681	1250	2390
	100	SISW	1400	11.27	40	79.5	77	659	1585	803	1887	1681	1250	2390

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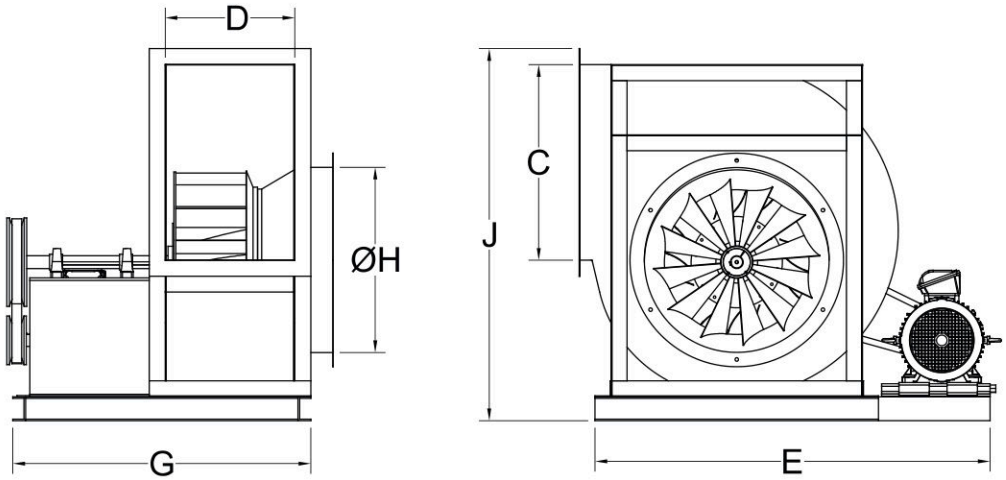
DIMENSIONS TABLE OF LIMIT LOAD FANS (SISW) SERIES



CENTRIFUGAL FAN (LIMIT LOAD FAN BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
1200	40	SISW	315	6.3	0.75	70	61	1880	405	223	750	527	315	657
	50	SISW	315	6.3	0.75	70	64	2041	405	223	750	527	315	657
	60	SISW	315	6.3	0.75	69	65	2193	405	223	750	527	315	657
	70	SISW	315	6.3	1	69	66	2335	405	223	750	527	315	657
	80	SISW	315	6.3	1	67	67	2468	405	223	750	527	315	657
	90	SISW	315	6.3	1.5	66	68	2595	405	223	750	527	315	657
	100	SISW	315	6.3	1.5	65	69	2715	405	223	750	527	315	657
	110	SISW	315	6.3	1.5	63	70	2831	405	223	750	527	315	657
	120	SISW	315	6.3	2	62	71	2944	405	223	750	527	315	657
2000	40	SISW	355	8.46	1	68	65	1854	452	247	810	535	355	728
	50	SISW	355	8.46	1	70	66	1973	452	247	810	535	355	728
	60	SISW	355	8.46	1.5	71	68	2086	452	247	810	535	355	728
	70	SISW	355	8.46	1.5	72	69	2194	452	247	810	535	355	728
	80	SISW	355	8.46	2	72	70	2298	452	247	810	535	355	728
	90	SISW	355	8.46	2	72	71	2397	452	247	810	535	355	728
	100	SISW	355	8.46	2	72	74	2495	452	247	810	535	355	728
	110	SISW	355	8.46	3	72	77	2589	452	247	810	535	355	728
	120	SISW	355	8.46	3	72	78	2681	452	247	810	535	355	728
3000	40	SISW	400	10.2	1.5	64	69	1827	507	274	880	589	400	808
	50	SISW	400	10.2	2	68	70	1921	507	274	880	589	400	808
	60	SISW	400	10.2	2	70	70	2011	507	274	880	589	400	808
	70	SISW	400	10.2	3	72	71	2098	507	274	880	589	400	808
	80	SISW	400	10.2	3	72	72	2184	507	274	880	589	400	808
	90	SISW	400	10.2	3	73	74	2268	507	274	880	589	400	808
	100	SISW	400	10.2	3	73	74	2350	507	274	880	589	400	808
	110	SISW	400	10.2	5	73	75	2430	507	274	880	589	400	808
	120	SISW	400	10.2	5	73	75	2507	507	274	880	589	400	808
4000	40	SISW	450	10.8	2	63	69	1638	568	306	955	667	450	900
	50	SISW	450	10.8	3	67	70	1726	568	306	955	667	450	900
	60	SISW	450	10.8	3	70	70	1807	568	306	955	667	450	900
	70	SISW	450	10.8	3	71	71	1884	568	306	955	667	450	900
	80	SISW	450	10.8	5	73	72	1958	568	306	955	667	450	900
	90	SISW	450	10.8	5	73	73	2030	568	306	955	667	450	900
	100	SISW	450	10.8	5	74	73	2100	568	306	955	667	450	900
	110	SISW	450	10.8	5	74	74	2169	568	306	955	667	450	900
	120	SISW	450	10.8	5	74	74	2336	568	306	955	667	450	900

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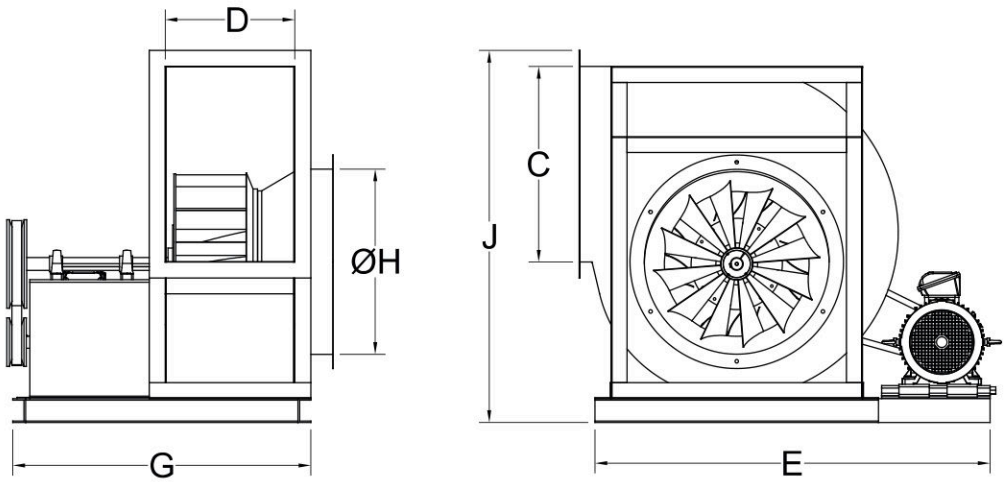
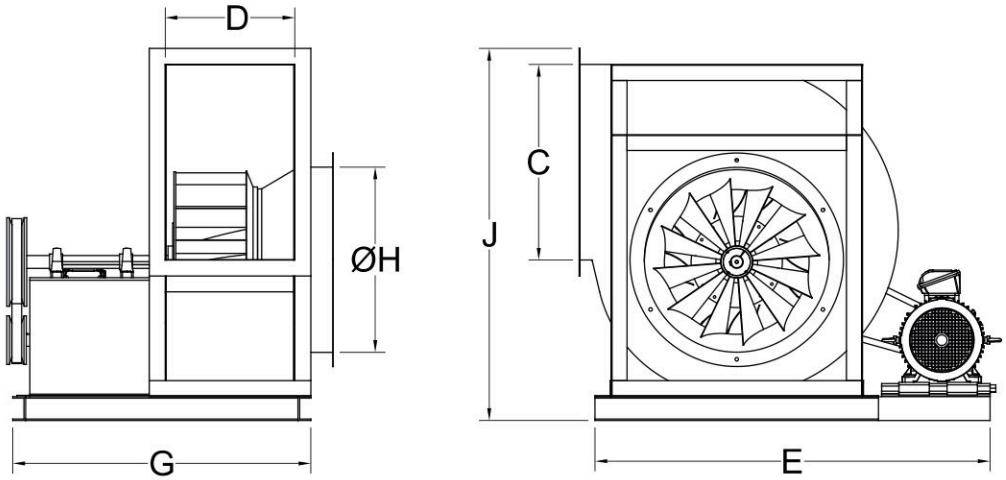


CENTRIFUGAL FAN (LIMIT LOAD FAN BACKWARD CURVED)-SISW

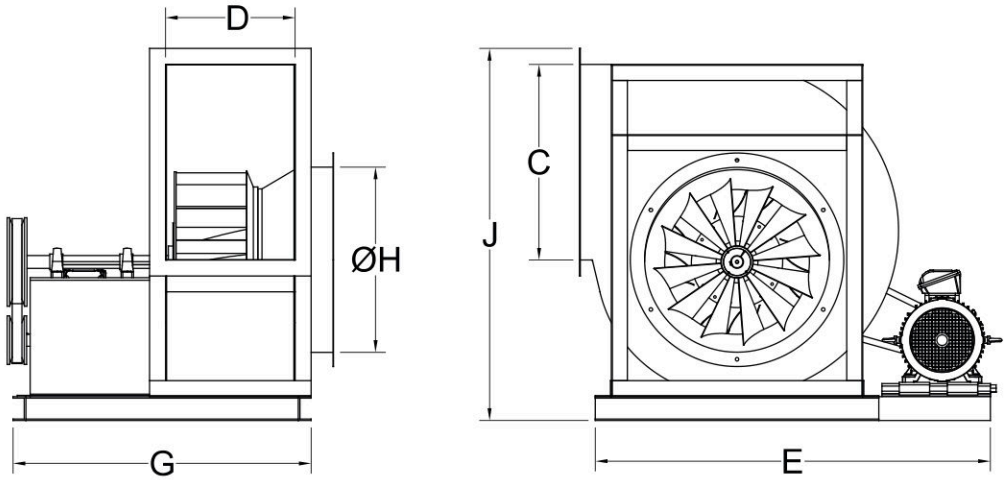
AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
5000	40	SISW	500	10.7	3	65	70	1466	634	345	1098	741	500	989
	50	SISW	500	10.7	3	68	70	1548	634	345	1098	741	500	989
	60	SISW	500	10.7	5	70	71	1622	634	345	1098	741	500	989
	70	SISW	500	10.7	5	71	72	1692	634	345	1098	741	500	989
	80	SISW	500	10.7	5	73	73	1759	634	345	1098	741	500	989
	90	SISW	500	10.7	5	74	73	1823	634	345	1098	741	500	989
	100	SISW	500	10.7	5	74	76	1884	634	345	1098	741	500	989
	110	SISW	500	10.7	7.5	75	79	1944	634	345	1098	741	500	989
	120	SISW	500	10.7	7.5	75	79	2003	634	345	1098	741	500	989
6000	40	SISW	560	10.36	3	67	70	1290	710	383	850	817	560	1098
	50	SISW	560	10.36	5	70	71	1360	710	383	850	817	560	1098
	60	SISW	560	10.36	5	72	72	1426	710	383	850	817	560	1098
	70	SISW	560	10.36	5	74	72	1489	710	383	850	817	560	1098
	80	SISW	560	10.36	5	75	73	1550	710	383	850	817	560	1098
	90	SISW	560	10.36	7.5	75	74	1609	710	383	850	817	560	1098
	100	SISW	560	10.36	7.5	76	74	1665	710	383	850	817	560	1098
	110	SISW	560	10.36	7.5	76	75	1722	710	383	850	817	560	1098
	120	SISW	560	10.36	7.5	76	75	1775	710	383	850	817	560	1098
7000	40	SISW	630	9.5	3	72	68	1077	800	433	956	917	630	1225
	50	SISW	630	9.5	5	75	68	1141	800	433	956	917	630	1225
	60	SISW	630	9.5	5	76	69	1201	800	433	956	917	630	1225
	70	SISW	630	9.5	5	77	70	1259	800	433	956	917	630	1225
	80	SISW	630	9.5	7.5	78	73	1315	800	433	956	917	630	1225
	90	SISW	630	9.5	7.5	78	74	1370	800	433	956	917	630	1225
	100	SISW	630	9.5	7.5	77	74	1423	800	433	956	917	630	1225
	110	SISW	630	9.5	7.5	77	75	1475	800	433	956	917	630	1225
	120	SISW	630	9.5	10	77	75	1524	800	433	956	917	630	1225
8000	40	SISW	710	8.8	5	75	67	922	896	479	1078	1009	710	1368
	50	SISW	710	8.8	5	77	68	982	896	479	1078	1009	710	1368
	60	SISW	710	8.8	5	78	69	1039	896	479	1078	1009	710	1368
	70	SISW	710	8.8	5	79	69	1094	896	479	1078	1009	710	1368
	80	SISW	710	8.8	7.5	79	70	1146	896	479	1078	1009	710	1368
	90	SISW	710	8.8	7.5	79	71	1197	896	479	1078	1009	710	1368
	100	SISW	710	8.8	7.5	78	72	1245	896	479	1078	1009	710	1368
9000	40	SISW	710	9.9	5	72	69	975	896	479	1078	1009	710	1368
	50	SISW	710	9.9	5	72	69	975	896	479	1078	1009	710	1368
	60	SISW	710	9.9	7.5	77	71	1088	896	479	1078	1009	710	1368
	70	SISW	710	9.9	7.5	78	72	1140	896	479	1078	1009	710	1368
	80	SISW	710	9.9	7.5	79	72	1190	896	479	1078	1009	710	1368
10000	40	SISW	800	8.8	5	75	66	811	1006	533	1200	1117	800	1532
	50	SISW	800	8.8	5	78	67	863	1006	533	1200	1117	800	1532
	60	SISW	800	8.8	7.5	79	68	913	1006	533	1200	1117	800	1532
	70	SISW	800	8.8	7.5	79	68	962	1006	533	1200	1117	800	1532
	80	SISW	800	8.8	7.5	79	69	1009	1006	533	1200	1117	800	1532
	90	SISW	800	8.8	10	79	70	1054	1006	533	1200	1117	800	1532
	NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE													



CENTRIFUGAL FAN (LIMIT LOAD FAN BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
12000	40	SISW	900	8.4	5	76	66	710	1132	595	1362	1243	900	1715
	50	SISW	900	8.4	7.5	78	67	757	1132	595	1362	1243	900	1715
	60	SISW	900	8.4	7.5	79	68	802	1132	595	1362	1243	900	1715
	70	SISW	900	8.4	7.5	80	68	846	1132	595	1362	1243	900	1715
	80	SISW	900	8.4	10	80	69	888	1132	595	1362	1243	900	1715
	90	SISW	900	8.4	10	79	70	929	1132	595	1362	1243	900	1715
14000	40	SISW	900	9.8	7.5	72	68	767	1132	595	1362	1243	900	1715
	50	SISW	900	9.8	7.5	75	70	810	1132	595	1362	1243	900	1715
	60	SISW	900	9.8	10	77	70	851	1132	595	1362	1243	900	1715
	70	SISW	900	9.8	10	79	71	891	1132	595	1362	1243	900	1715
	80	SISW	900	9.8	10	79	72	929	1132	595	1362	1243	900	1715
15000	40	SISW	900	10.5	7.5	70	70	796	1132	595	1362	1243	900	1715
	50	SISW	900	10.5	10	73	71	839	1132	595	1362	1243	900	1715
	60	SISW	900	10.5	10	76	72	878	1132	595	1362	1243	900	1715
	70	SISW	900	10.5	10	77	72	916	1132	595	1362	1243	900	1715
	80	SISW	900	10.5	15	79	73	953	1132	595	1362	1243	900	1715
16000	40	SISW	1000	9	7.5	76	67	659	1266	663	1442	1377	1000	1900
	50	SISW	1000	9	7.5	79	67	701	1266	663	1442	1377	1000	1900
	60	SISW	1000	9	10	80	68	741	1266	663	1442	1377	1000	1900
	70	SISW	1000	9	10	81	70	779	1266	663	1442	1377	1000	1900
	80	SISW	1000	9	15	81	70	817	1266	663	1442	1377	1000	1900
	90	SISW	1000	9	15	80	71	854	1266	663	1442	1377	1000	1900
18000	40	SISW	1000	10.12	7.5	72.4	68	698	1266	663	1442	1377	1000	1900
	50	SISW	1000	10.12	10	75.4	69	739	1266	663	1442	1377	1000	1900
	60	SISW	1000	10.12	10	77.9	69	777	1266	663	1442	1377	1000	1900
	70	SISW	1000	10.12	15	79.7	70	812	1266	663	1442	1377	1000	1900
	80	SISW	1000	10.12	15	80.6	71	847	1266	663	1442	1377	1000	1900
20000	40	SISW	1120	8.93	10	75.6	68	587	1422	744	1688	1554	1120	2135
	50	SISW	1120	8.93	10	78.4	69	623	1422	744	1688	1554	1120	2135
	60	SISW	1120	8.93	10	80	70	658	1422	744	1688	1554	1120	2135
	70	SISW	1120	8.93	15	80.7	71	692	1422	744	1688	1554	1120	2135
	80	SISW	1120	8.93	15	81	71	724	1422	744	1688	1554	1120	2135
	90	SISW	1120	8.93	20	80.9	72	756	1422	744	1688	1554	1120	2135
24000	40	SISW	1120	10.71	15	70.5	71	646	1422	744	1688	1554	1120	2135
	50	SISW	1120	10.71	15	73.7	72	681	1422	744	1688	1554	1120	2135
	60	SISW	1120	10.71	15	76.2	73	712	1422	744	1688	1554	1120	2135
	70	SISW	1120	10.71	15	78	74	742	1422	744	1688	1554	1120	2135
	80	SISW	1120	10.71	20	79.4	74	771	1422	744	1688	1554	1120	2135
27000	40	SISW	1250	10.4	15	72	71	577	1585	803	1887	1681	1250	2390
	50	SISW	1250	10.4	15	75	72	609	1585	803	1887	1681	1250	2390
	60	SISW	1250	10.4	20	78	72	639	1585	803	1887	1681	1250	2390
	70	SISW	1250	10.4	20	79	73	667	1585	803	1887	1681	1250	2390
	80	SISW	1250	10.4	20	80	74	694	1585	803	1887	1681	1250	2390

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



CENTRIFUGAL FAN (LIMIT LOAD FAN BACKWARD CURVED)-SISW

AIR VOLUME (CFM)	STATIC PRESSURE (mmwg)	FAN TYPE	FAN DIA (mm)	Unit Outlet Vel. (m/s)	MOTOR (HP)	TOTAL EFFICIENCY(%)	DB AT 3mtr	RPM	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	J (mm)
30000	40	SISW	1400	8.45	15	79	67	448	1585	803	1887	1681	1250	2390
	50	SISW	1400	8.45	15	81	68	477	1585	803	1887	1681	1250	2390
	60	SISW	1400	8.45	20	82	70	505	1585	803	1887	1681	1250	2390
	70	SISW	1400	8.45	20	82	70	533	1585	803	1887	1681	1250	2390
	80	SISW	1400	8.45	20	82	71	560	1585	803	1887	1681	1250	2390
	90	SISW	1400	8.45	25	82	72	585	1585	803	1887	1681	1250	2390
	100	SISW	1400	8.45	25	81	72	610	1585	803	1887	1681	1250	2390
35000	40	SISW	1400	9.86	15	75	69	483	1585	803	1887	1681	1250	2390
	50	SISW	1400	9.86	20	78	72	511	1585	803	1887	1681	1250	2390
	60	SISW	1400	9.86	20	80	72	536	1585	803	1887	1681	1250	2390
	70	SISW	1400	9.86	25	81	73	561	1585	803	1887	1681	1250	2390
	80	SISW	1400	9.86	25	82	74	586	1585	803	1887	1681	1250	2390
	90	SISW	1400	9.86	30	82	74	609	1585	803	1887	1681	1250	2390
	100	SISW	1400	9.86	40	75	75	681	1585	803	1887	1681	1250	2390
40000	40	SISW	1400	11.27	20	71	73	519	1585	803	1887	1681	1250	2390
	50	SISW	1400	11.27	25	74	74	547	1585	803	1887	1681	1250	2390
	60	SISW	1400	11.27	25	77	75	571	1585	803	1887	1681	1250	2390
	70	SISW	1400	11.27	30	79	75	594	1585	803	1887	1681	1250	2390
	80	SISW	1400	11.27	30	80	76	617	1585	803	1887	1681	1250	2390
	90	SISW	1400	11.27	40	81	76	638	1585	803	1887	1681	1250	2390
	100	SISW	1400	11.27	40	82	77	659	1585	803	1887	1681	1250	2390

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The intention of this brochure is to introduce you to, and acquaint you with the capabilities of the HUMIDIN organization in the offered product areas. It will not answer all your immediate questions, and indeed, it will no doubt raise others. We welcome your interest in our products and shall be very pleased to provide further information.

GUARANTEES

HUMIDIN guarantees its products to be free of defects in materials and workmanship for a period of one year from the date of delivery from the factory, provided motors are properly installed with overload protector. Humidin agrees to repair or replace defective parts or part to be returned to the factory, all transportation charges prepaid. Humidin does not guarantee against abrasion, corrosion or erosion. Humidin shall not be held responsible for any charges in connection with the removal or replacement of alleged defective equipment nor for incidental consequential damages

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