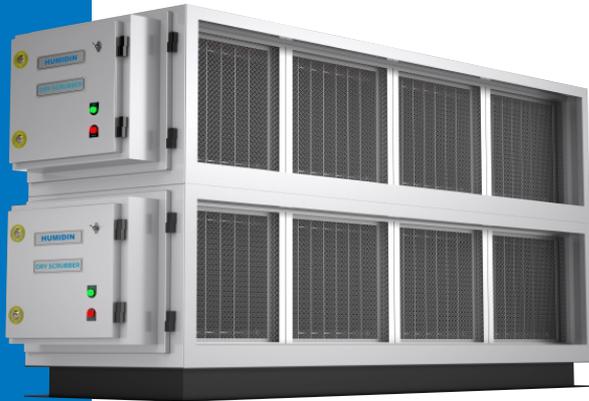


ECOLOGY UNIT



Quality Speaks For Itself



DRY SCRUBBER MANUAL

HUMIDIN DRY SCRUBBER

DRY SCRUBBER is an advanced pollution control device used in industrial processes to remove pollutants such as sulphur dioxide (SO₂), hydrogen chloride (HCl), particulate matter (PM), and volatile organic compounds (VOCs) from exhaust gases.

FEATURES

1. Manual Cleaning System:

Designed for easy operation, the scrubber features filters and adsorbent media that can be manually cleaned or replaced without the use of special tools. This reduces dependency on automated systems, lowers maintenance costs, and ensures quick serviceability, making it a reliable solution for all HVAC applications.

2. High Dust Removal Efficiency:

Engineered to capture fine particulate matter and harmful gases, the scrubber significantly improves indoor air quality. It ensures that pollutants such as dust, fumes, and odors are effectively removed from the airflow, making the environment cleaner and safer for both industrial and commercial HVAC installations.

3. Robust and Compact Design:

Constructed with strong materials like galvanized steel or stainless steel, the scrubber ensures durability and long service life even in harsh conditions. Its compact design saves valuable space in HVAC systems while maintaining high performance, making it ideal for industrial, commercial, and process ventilation systems.

4. Corrosion Resistance:

All components are coated with anti-corrosion finishes or made from stainless steel to withstand chemical fumes and moisture-laden air. This feature ensures long-lasting performance in demanding environments such as chemical plants, kitchens, and industrial facilities where exposure to corrosive gases is common.

5. Customizable Media Options:

The scrubber can be equipped with different adsorbent media such as activated carbon, alumina, or specialized chemicals to remove specific gases and odors.

This customization allows the unit to handle a wide range of contaminants, offering flexibility for various industrial and commercial HVAC applications.

6. Energy Efficient:

With no requirement for water pumps or chemical dosing systems, the scrubber operates with minimal energy consumption. Its simple design reduces power requirements while maintaining effective air cleaning performance, resulting in lower energy costs and making it an economical choice for long-term use.

7. Easy Installation and Maintenance:

The unit is designed for quick and simple installation into existing HVAC lines. Access panels allow easy filter and media replacement without specialized tools, reducing downtime during servicing. This user-friendly design minimizes labor costs and ensures smooth operation with minimal disruption to the system.

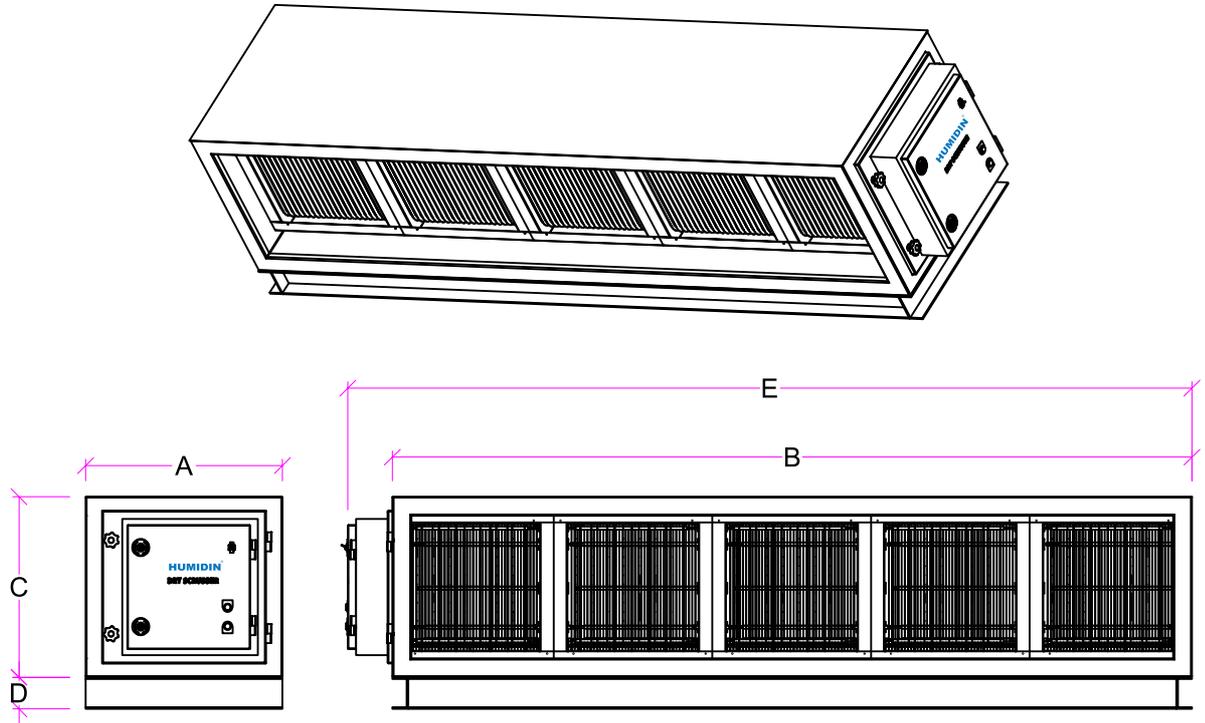
8. Cost-Effective:

The manual dry scrubber provides a highly economical air cleaning solution with a lower initial investment and operating costs compared to automated systems or wet scrubbers. Its minimal maintenance requirements and long lifespan further enhance its cost-effectiveness, delivering excellent value for HVAC projects.

APPLICATIONS:

- **Industrial HVAC Systems:**
Used in factories, workshops, and manufacturing units to remove dust, smoke, and harmful gases from return or exhaust air.
- **Commercial Kitchens & Restaurants:**
Controls smoke, oil fumes, and odor in kitchen exhaust systems to maintain a clean and safe environment.
- **Chemical & Pharmaceutical Plants:**
Removes corrosive gases, chemical fumes, and fine particulates before air is released or recirculated in the HVAC system.
- **Paint Booths & Coating Units:**
Captures paint particles, solvents, and VOCs from exhaust air, ensuring compliance with safety and environmental standards.
- **Food Processing Units:**
Controls odor and particulate emissions from processing and packaging areas for hygienic working conditions.
- **Textile & Garment Industries:**
Eliminates lint, dust, and chemical fumes generated during production processes.

DIMENSIONS TABLE OF HDS SERIES



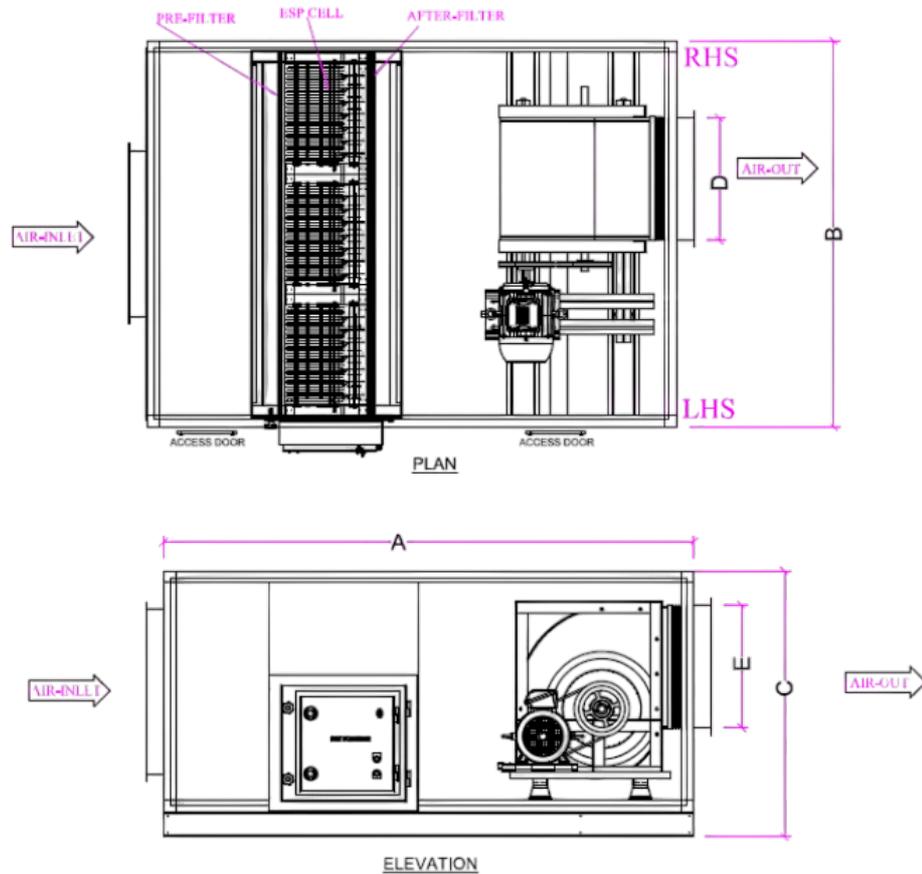
DRY SCRUBBER DIMENSION TABLE

S. No.	Model	Air Quantity CFM		No. Of Cell	A	B	C	D	E
1	HDS-1FX1C	1500	2000	1	620	520	570	100	660
2	HDS-1FX2C	3000	4000	2	620	1020	570	100	1160
3	HDS-1FX3C	4500	6000	3	620	1520	570	100	1660
4	HDS-1FX4C	6000	8000	4	620	2020	570	100	2160
5	HDS-1FX5C	7500	10000	5	620	2520	570	100	2660
6	HDS-2FX3C	9000	12000	6	620	1520	1140	100	1660
7	HDS-2FX4C	12000	16000	8	620	2020	1140	100	2160
8	HDS-2FX5C	15000	20000	10	620	2520	1140	100	2660
9	HDS-3FX4C	18000	24000	12	620	2020	1710	100	2160
10	HDS-3FX5C	22500	30000	15	620	2520	1710	100	2660
11	HDS-4FX4C	24000	32000	16	620	2020	2280	100	2160
12	HDS-4FX5C	30000	40000	20	620	2520	2280	100	2660

Note: All Dimensions are only for reference

All Dimensions are in (mm)

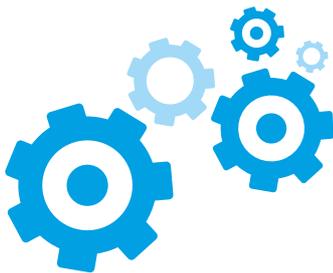
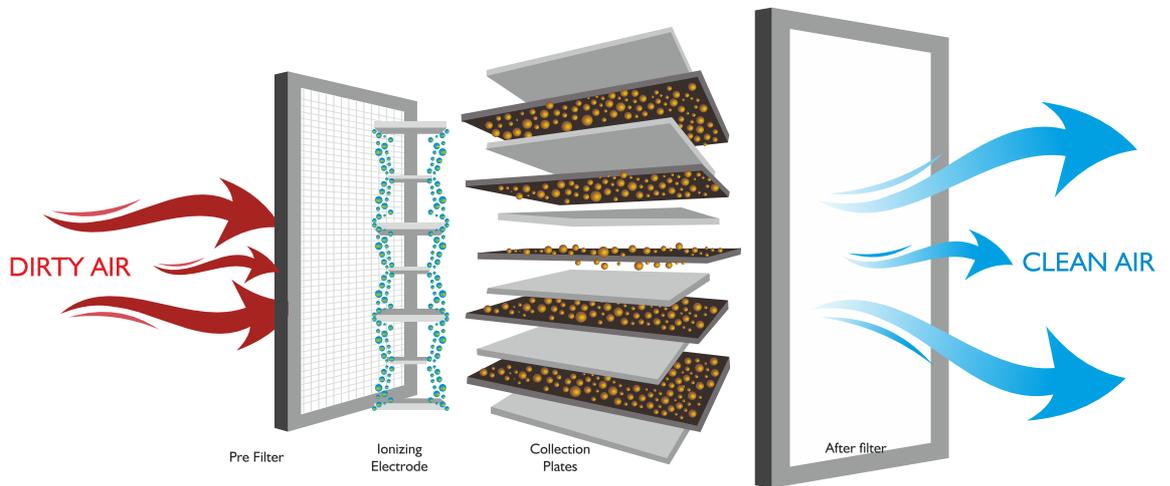
DIMENSIONS TABLE OF MANUAL DRY SCRUBBER WITH (BACKWARD CURVED - FAN SECTION)



MANUAL DRY SCRUBBER WITH (BACKWARD CURVED-FAN SECTION)

Air Volume (CFM)	Static Pressure (mmwg)	Model	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
2000	80	HDSFS-1FX1C	DIDW	7.26	280	2	72.4	65	2648	2100	800	850	360	360
4000	80	HDSFS-1FX2C	DIDW	9.26	355	5	71.3	69	2232	2200	1150	1000	452	452
6000	80	HDSFS-1FX3C	DIDW	8.77	450	5	72.3	69	1718	2450	1600	1200	568	568
8000	80	HDSFS-1FX4C	DIDW	9.4	500	7.5	71.3	71	1589	2450	2100	1300	634	634
10000	80	HDSFS-1FX5C	DIDW	9.37	560	10	71.3	71	1417	2550	2600	1450	710	710
12000	80	HDSFS-2FX3C	DIDW	8.85	630	10	72	71	1236	2700	1600	1550	800	800
16000	80	HDSFS-2FX4C	DIDW	9.37	710	15	71.4	72	1116	2850	2100	1700	898	898
20000	80	HDSFS-2FX5C	DIDW	9.33	800	20	75.8	72	965	3000	2600	1900	1006	1006
24000	80	HDSFS-3FX4C	DIDW	8.84	900	20	76.7	71	841	3250	2100	2100	1132	1132
30000	80	HDSFS-3FX5C	DIDW	8.84	1000	25	76.4	72	760	3350	2600	2250	1266	1266
32000	80	HDSFS-4FX4C	DIDW	9.43	1000	25	75.1	73	780	3350	2400	2250	1266	1266
40000	80	HDSFS-4FX5C	DIDW	9.34	1120	40	75.1	73	695	3700	2600	2650	1422	1422

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE



HOW IT WORKS?

- The technology is based on the principle of two stage electrostatic air filtration.
- Fine sub-micron suspended particles are electrostatically charged using high-voltage electric field.
- These charged particles get attracted and precipitated on opposite charged electrode plates.

DRY SCRUBBER SPECIFICATION

DESCRIPTION	SPECIFICATION	REMARK
Equipment Description	HE 95%+/-2% as per ASHRAE Test Modules 1800-2400 CFM	
Unit Housing	standard construction 16G CRCA powder coated sheets Single door access with safety interlocks Bottom sheet with slope of 1/4" per foot for easy drainage 3 " drain nipple	16G zinc coated sheet can be offered on demand
Base Construction	C Channel for easy monting with lifting lugs	
Surface Finish	standard is powder coating in case of CRCA sheets	
Cell Wash Module	Normal practice is to offer standby Humidin make modules instead of auto-washing system and the later is not found very effective after 2-3 cycles	Auto-wash system having the chamber with metal mesh prefilters, wash manifolds and header can be offered on demand
Electrostatic Precipitator Module	Two stage dual voltage plate type. HE 93-97% as per ASHRAE test for dry particulates. Single pass arrangement.	
Ionizing-collecting Cells	One piece construction 13.58" deep. All support framing, end plates & ionizer ground electrodes in 16G th Al. Repelling & Collector plates 22G th Al & 9.5" deep in direction of air flow. Spacing between plates 0.23". Ionizing electrodes 16G Stainless steel spiked type. Support insulators Teflon. High voltage connection between cells to be automatically made when cells are installed.	

DESCRIPTION	SPECIFICATION	REMARK
Ionizing-collecting Cells	100% solid state. 200-240V AC 50 Hz, 1 phase input. Output(+) 12 to 13 KV DC for ionizer and (+) 6 to 6.5KV DC for collector. Output of 5 mA/20mA to be ensured for optimum performance. Electrical safety interlock to prevent access to high voltage components. can operate from -32Deg to 140 Deg, self-protecting, LED indicator for performance status. Bleed resistance to remove stored charge. Module capacity above 3000 CFM to be equipped with CVT to maintain constant charge even in case of fluctuations in input supply. Power consumption 50W per cell (max). High voltage power cables to be continuous w/o any splicing	
System Controls	In case of standby cell type arrangement, these controls are not needed. Only replacing standby clean cells with saturated once and then cleaning those outside.	Auto-washing system Consist of Sequential timer to take care of detergent wash, rinse, dry & back to normal operation. Manual/timer control provided for the cycle. Remote Reset to resume normal operation provided.
Automatic Timer clock	In case of auto-wash system only, it is provided.	
Water wash/ Detergent System	Detergent wash & Rinse through manifolds located on air entering as well as air leaving side of cells (Optional or as specified in BOQ). Humidin make Spray nozzles with cone shape pattern. Pre-package of detergent reservoir, motor, pump with adjustable detergent volume setting. Pump 0.75KW, self priming, positive displacement, min 6GPM @ min 50 PSIG output pressure. Main line strainer & solenoid valves are included. 30 Gallon detergent tank for remote mounting. Consumption per cell-2GPM and avg. 3.5 min wash cycle.	Offered on demand as optional system
Static Pressure Drops	Total drop 10 mm WG maximum including pre & after filters in clean condition	
Adsorber module	UV light/Carbon Filter system for odor absorption as extra accessory	
Fan	The fan has to be highly efficient able to perform at high pressures, non-overloading type Aerofoil Plug connected with a VFD or Centrifugal Backward DIDW/SISW type attached to the Scrubber Module.	

TECHNICAL DATA SHEET OF BACKWARD CURVED - DIDW

Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
1000	40	DIDW	7.26	200	0.5	69.2	59	2929
	50	DIDW	5.69	225	0.75	72	59	2672
	60	DIDW	5.69	225	0.75	72	60	2796
	70	DIDW	5.69	225	0.75	71	61	2991
	80	DIDW	4.5	250	1	67.6	63	2833
2000	40	DIDW	8.99	250	1.5	60.9	65	2656
	50	DIDW	8.99	250	1.5	64.9	66	2796
	60	DIDW	7.26	280	1.5	72	63	2386
	70	DIDW	7.26	280	1.5	72.5	64	2518
	80	DIDW	7.26	280	2	72.4	65	2648
3000	40	DIDW	8.69	315	1.5	63.3	66	2043
	50	DIDW	8.69	315	2	67	66	2157
	60	DIDW	8.69	315	2	69.4	67	2265
	70	DIDW	8.69	315	3	70.9	67	2369
	80	DIDW	8.69	315	3	71.8	68	2471
4000	40	DIDW	9.26	355	3	61.8	67	1862
	50	DIDW	9.26	355	3	65.6	68	1961
	60	DIDW	9.26	355	3	68.3	68	2055
	70	DIDW	9.26	355	3	70.1	69	2144
	80	DIDW	9.26	355	5	71.3	69	2232
5000	40	DIDW	9.22	400	3	62.5	67	1638
	50	DIDW	9.22	400	3	66.3	68	1727
	60	DIDW	9.22	400	5	68.8	68	1810
	70	DIDW	9.22	400	5	70.5	69	1891
	80	DIDW	9.22	400	5	71.7	70	1969
6000	40	DIDW	8.77	450	3	64.4	66	1415
	50	DIDW	8.77	450	5	67.9	67	1495
	60	DIDW	8.77	450	5	70.1	68	1572
	70	DIDW	8.77	450	5	71.5	69	1645
	80	DIDW	8.77	450	5	72.3	69	1718
8000	40	DIDW	9.4	500	5	61.6	68	1328
	50	DIDW	9.4	500	5	65.4	69	1398
	60	DIDW	9.4	500	7.5	68.2	70	1464
	70	DIDW	9.4	500	7.5	70	70	1528
	80	DIDW	9.4	500	7.5	71.3	71	1589
10000	40	DIDW	9.37	560	7.5	61.7	69	1184
	50	DIDW	9.37	560	7.5	65.6	69	1246
	60	DIDW	9.37	560	7.5	68.3	70	1305
	70	DIDW	9.37	560	7.5	70.1	71	1362
	80	DIDW	9.37	560	10	71.3	71	1417
12000	40	DIDW	8.85	630	7.5	63.6	68	1021
	50	DIDW	8.85	630	7.5	67.2	69	1078
	60	DIDW	8.85	630	10	69.6	70	1132
	70	DIDW	8.85	630	10	71.1	70	1185
	80	DIDW	8.85	630	10	72	71	1236
16000	40	DIDW	9.37	710	10	61.9	70	931
	50	DIDW	9.37	710	10	65.8	70	980
	60	DIDW	9.37	710	15	68.4	71	1027
	70	DIDW	9.37	710	15	70.2	72	1072
	80	DIDW	9.37	710	15	71.4	72	1116
20000	40	DIDW	9.33	800	10	64.1	70	810
	50	DIDW	9.33	800	15	68.5	71	852
	60	DIDW	9.33	800	15	71.8	71	891
	70	DIDW	9.33	800	15	74.2	72	929
	80	DIDW	9.33	800	20	75.8	72	965

TECHNICAL DATA SHEET OF BACKWARD CURVED - DIDW

Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
24000	40	DIDW	8.84	900	15	66.2	69	698
	50	DIDW	8.84	900	15	70.5	70	737
	60	DIDW	8.84	900	15	73.5	70	773
	70	DIDW	8.84	900	20	75.5	71	807
	80	DIDW	8.84	900	20	76.7	71	841
30000	40	DIDW	8.84	1000	15	65.6	70	633
	50	DIDW	8.84	1000	20	69.9	70	667
	60	DIDW	8.84	1000	20	73	71	699
	70	DIDW	8.84	1000	25	75.1	71	730
	80	DIDW	8.84	1000	25	76.4	72	760
32000	40	DIDW	9.43	1000	20	62.9	71	656
	50	DIDW	9.43	1000	20	67.4	72	690
	60	DIDW	9.43	1000	20	70.8	72	721
	70	DIDW	9.43	1000	25	73.4	73	751
	80	DIDW	9.43	1000	25	75.1	73	780
40000	40	DIDW	9.34	1120	20	63	71	585
	50	DIDW	9.34	1120	25	67.5	72	615
	60	DIDW	9.34	1120	30	70.9	72	643
	70	DIDW	9.34	1120	30	73.5	73	669
	80	DIDW	9.34	1120	40	75.1	73	695

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

TECHNICAL DATA SHEET OF BACKWARD CURVED - SISW

Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
1500	40	SISW	8.59	315	1	58.4	64	2112
	50	SISW	8.59	315	1	63	64	2166
	60	SISW	8.59	315	1	65.1	64	2244
	70	SISW	8.59	315	1.5	66	65	2375
	80	SISW	8.59	315	1.5	67	66	2480
2000	40	SISW	9.16	355	1.5	59.1	64	1874
	50	SISW	9.16	355	1.5	62	57	1970
	60	SISW	9.16	355	2	64	66	2126
	70	SISW	9.16	355	2	65.8	66	2252
	80	SISW	9.16	355	2	66.7	67	2371
3000	40	SISW	8.66	450	2	60.8	64	1423
	50	SISW	8.66	450	2	63.8	65	1501
	60	SISW	8.66	450	3	65.7	66	1576
	70	SISW	8.66	450	3	66.8	67	1650
	80	SISW	8.66	450	3	67.3	68	1725
4000	40	SISW	9.2	500	3	58.3	66	1337
	50	SISW	9.2	500	3	61.7	67	1405
	60	SISW	9.2	500	3	64	68	1469
	70	SISW	9.2	500	5	65.6	68	1532
	80	SISW	9.2	500	5	66.6	69	1594
5000	40	SISW	9.2	560	3	58.5	66	1191
	50	SISW	9.2	560	5	61.8	67	1252
	60	SISW	9.2	560	5	64.1	68	1310
	70	SISW	9.2	560	5	65.7	69	1366
	80	SISW	9.2	560	5	66.7	70	1421
6000	40	SISW	8.74	630	5	60.1	66	1027
	50	SISW	8.74	630	5	63.2	67	1083
	60	SISW	8.74	630	5	65.3	68	1136
	70	SISW	8.74	630	5	66.6	68	1187
	80	SISW	8.74	630	7.5	67	69	1240
8000	40	SISW	9.24	710	5	58.7	67	937
	50	SISW	9.24	710	5	62	68	985
	60	SISW	9.24	710	7.5	64	69	1031
	70	SISW	9.24	710	7.5	65.8	70	1075
	80	SISW	9.24	710	7.5	66.8	70	1119
10000	40	SISW	9.11	800	5	66	67	811
	50	SISW	9.11	800	7.5	69	67	857
	60	SISW	9.11	800	7.5	71.5	68	898
	70	SISW	9.11	800	7.5	73.6	69	936
	80	SISW	9.11	800	10	75	70	973
12000	40	SISW	8.7	900	7.5	67.5	66	702
	50	SISW	8.7	900	7.5	70.5	66	742
	60	SISW	8.7	900	7.5	73.1	67	779
	70	SISW	8.7	900	10	74.9	68	813
	80	SISW	8.7	900	10	75.5	69	849
16000	40	SISW	9.3	1000	10	65.4	68	657
	50	SISW	9.3	1000	10	68.4	68	694
	60	SISW	9.3	1000	10	70.9	69	727
	70	SISW	9.3	1000	15	73	70	757
	80	SISW	9.3	1000	15	74.6	70	786

TECHNICAL DATA SHEET OF BACKWARD CURVED - SISW

Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
20000	40	SISW	9.2	1120	10	65.4	68	586
	50	SISW	9.2	1120	15	68.3	68	618
	60	SISW	9.2	1120	15	70.9	69	648
	70	SISW	9.2	1120	15	73	70	675
	80	SISW	9.2	1120	20	74.6	70	701
24000	40	SISW	8.94	1250	15	66.4	67	515
	50	SISW	8.94	1250	15	69.4	68	544
	60	SISW	8.94	1250	20	72	69	570
	70	SISW	8.94	1250	20	74	69	595
	80	SISW	8.94	1250	20	75.1	70	619
30000	40	SISW	8.87	1400	15	66.5	67	459
	50	SISW	8.87	1400	20	69.4	68	485
	60	SISW	8.87	1400	20	72.1	69	508
	70	SISW	8.87	1400	25	74	69	530
	80	SISW	8.87	1400	25	75.1	70	552
40000	40	SISW	11.8	1400	25	56.6	74	542
	50	SISW	11.8	1400	30	61.2	75	565
	60	SISW	11.8	1400	30	64.1	75	588
	70	SISW	11.8	1400	40	66.3	75	609
	80	SISW	11.8	1400	40	68.1	76	630

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

TECHNICAL DATA SHEET OF PLUG FAN

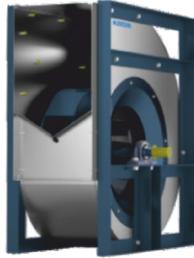
Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
1000	40	PLUG FAN	5.41	315	0.5	62	56	1865
	50	PLUG FAN	5.41	315	1	60	58	2057
	60	PLUG FAN	5.41	315	1	56	60	2219
	70	PLUG FAN	5.41	315	1	54	62	2388
	80	PLUG FAN	5.41	315	1.5	53	63	2537
2000	40	PLUG FAN	8.51	355	1	69	63	1888
	50	PLUG FAN	8.51	355	1.5	69	64	2012
	60	PLUG FAN	8.51	355	1.5	69	65	2134
	70	PLUG FAN	8.51	355	2	68	67	2253
	80	PLUG FAN	8.51	355	2	66	68	2369
3000	40	PLUG FAN	10	400	1.5	68	65	1834
	50	PLUG FAN	10	400	2	70	65	1928
	60	PLUG FAN	10	400	3	71	66	2019
	70	PLUG FAN	10	400	3	71	67	2108
	80	PLUG FAN	10	400	3	71	68	2195
4000	40	PLUG FAN	10.6	450	2	66	64	1677
	50	PLUG FAN	10.6	450	3	69	64	1750
	60	PLUG FAN	10.6	450	3	71	65	1822
	70	PLUG FAN	10.6	450	3	73	66	1892
	80	PLUG FAN	10.6	450	5	74	68	1964
5000	40	PLUG FAN	10.7	500	3	65	68	1522
	50	PLUG FAN	10.7	500	3	68	68	1587
	60	PLUG FAN	10.7	500	5	71	68	1651
	70	PLUG FAN	10.7	500	5	72	69	1714
	80	PLUG FAN	10.7	500	5	73	71	1778
6000	40	PLUG FAN	10.2	560	3	70	74	1312
	50	PLUG FAN	10.2	560	3	73	75	1377
	60	PLUG FAN	10.2	560	5	74	76	1442
	70	PLUG FAN	10.2	560	5	74	77	1506
	80	PLUG FAN	10.2	560	5	74	77	1569
7000	40	PLUG FAN	9.47	630	3	75	71	1117
	50	PLUG FAN	9.47	630	5	75	72	1183
	60	PLUG FAN	9.47	630	5	75	73	1247
	70	PLUG FAN	9.47	630	5	74	74	1308
	80	PLUG FAN	9.47	630	7.5	73	75	1367
8000	40	PLUG FAN	8.5	710	5	75	72	943
	50	PLUG FAN	8.5	710	5	75	73	1006
	60	PLUG FAN	8.5	710	5	73	75	1066
	70	PLUG FAN	8.5	710	7.5	70	76	1123
	80	PLUG FAN	8.5	710	7.5	71	77	1180
9000	40	PLUG FAN	9.6	710	5	75	74	999
	50	PLUG FAN	9.6	710	5	75	75	1056
	60	PLUG FAN	9.6	710	7.5	75	76	1113
	70	PLUG FAN	9.6	710	7.5	74	77	1166
	80	PLUG FAN	9.6	710	7.5	73	78	1218
10000	40	PLUG FAN	10.6	710	5	73	76	1060
	50	PLUG FAN	10.6	710	7.5	75	77	1112
	60	PLUG FAN	10.6	710	7.5	75	77	1164
	70	PLUG FAN	10.6	710	7.5	75	78	1215
	80	PLUG FAN	10.6	710	10	75	79	1264
12000	40	PLUG FAN	10	800	7.5	74	76	912
	50	PLUG FAN	10	800	7.5	75	77	960
	60	PLUG FAN	10	800	7.5	75	77	1009
	70	PLUG FAN	10	800	10	75	78	1055
	80	PLUG FAN	10	800	10	74	79	1100

TECHNICAL DATA SHEET OF PLUG FAN

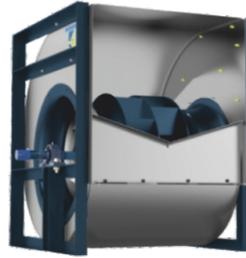
Air Volume (CFM)	Static Pressure (mmwg)	Fan Type	Outlet Vel. (m/s)	Fan Dia (mm)	Motor (HP)	Total Efficiency (%)	dB at 3mtr	RPM
16000	40	PLUG FAN	10.6	900	7.5	72	69	817
	50	PLUG FAN	10.6	900	10	73	69	857
	60	PLUG FAN	10.6	900	10	74	70	897
	70	PLUG FAN	10.6	900	15	75	71	936
	80	PLUG FAN	10.6	900	15	75	72	975
20000	40	PLUG FAN	10.7	1000	10	72	73	742
	50	PLUG FAN	10.7	1000	15	73	73	778
	60	PLUG FAN	10.7	1000	15	74	74	813
	70	PLUG FAN	10.7	1000	15	75	74	848
	80	PLUG FAN	10.7	1000	20	75	75	882
24000	40	PLUG FAN	10.3	1120	15	72	73	646
	50	PLUG FAN	10.3	1120	15	74	73	680
	60	PLUG FAN	10.3	1120	15	75	74	712
	70	PLUG FAN	10.3	1120	20	75	74	745
	80	PLUG FAN	10.3	1120	20	75	75	777
30000	40	PLUG FAN	12.8	1120	20	69	78	745
	50	PLUG FAN	12.8	1120	20	71	78	772
	60	PLUG FAN	12.8	1120	20	72	78	799
	70	PLUG FAN	12.8	1120	25	73	78	826
	80	PLUG FAN	12.8	1120	25	74	78	852

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

CENTRIFUGAL FANS & ACCESSORIES FOR DRY SCRUBBER



**CENTRIFUGAL BLOWER
(SISW)**



**CENTRIFUGAL BLOWER
(DIDW) BACKWARD CURVED**



PLUG FAN



**CABINET FAN SECTION
SINGLE SKIN/DOUBLE SKIN**



**BIFURCATED BELT DRIVEN
SINGLE SKIN/DOUBLE SKIN**



**BIFURCATED DIRECT DRIVEN
SINGLE SKIN/DOUBLE SKIN**



PRE FILTER



CARBON FILTER



MANUAL DAMPER



UV LIGHTS



ACTUATED DAMPER

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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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