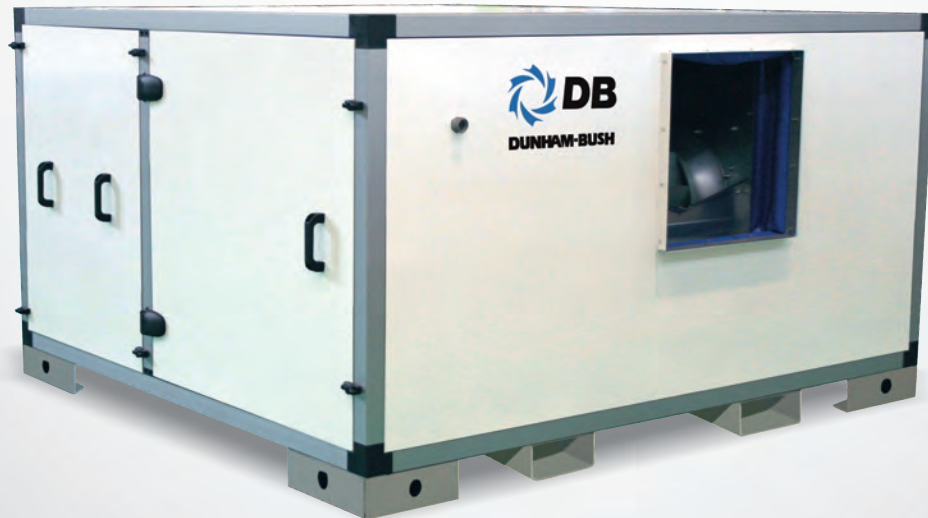
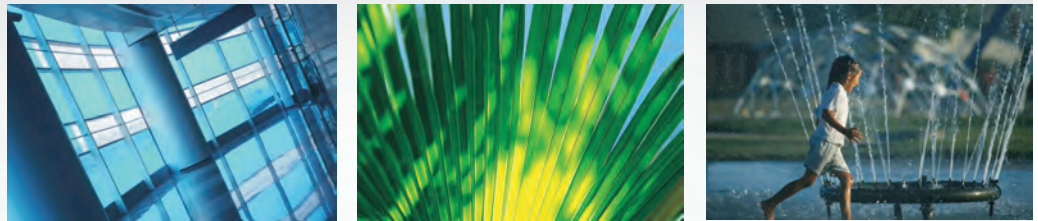




eCS3 Series 50/60Hz

Modular Central Station Air Handling Units
Air Volume: 1000 to 12300 cfm (1700 to 21000 m³/hr)



DUNHAM-BUSH[®]

Products that perform...By people who care

DUNHAM-BUSH eCS3 Series

INTRODUCTION

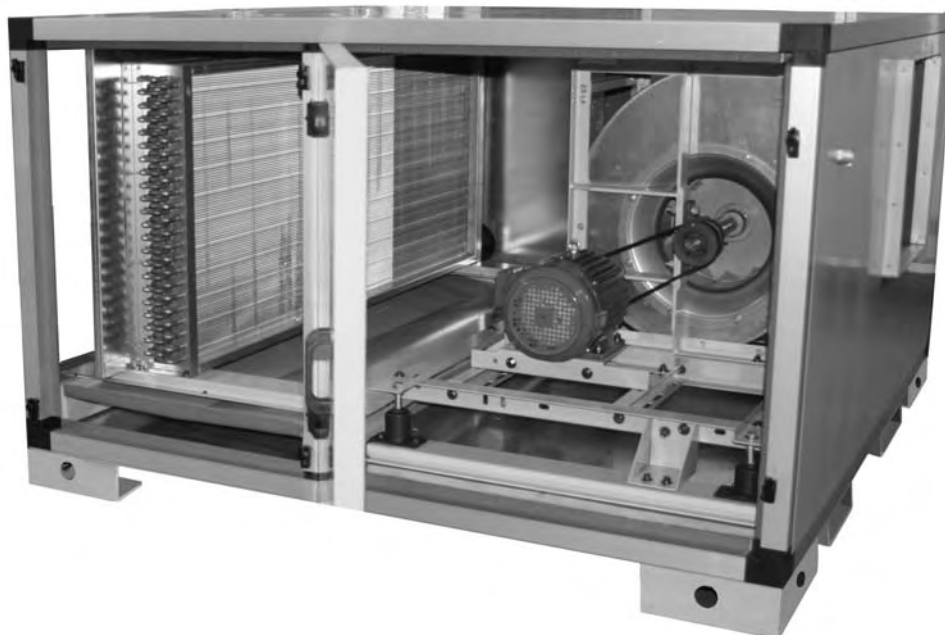
For more than 100 years, Dunham-Bush has focused on innovative product development. Today, we provide a full portfolio of HVAC/R products from Fan Coil Units to large centrifugal chillers as well as many other innovative green solutions. Our commitment to innovation, matched with an aggressive attitude toward growth, makes Dunham-Bush a leader in global markets. Our product development is tailored to meet the specific needs of customers, building-by-building, country-by-country and region-by-region. No other HVAC/R manufacturer takes this approach to meeting your performance expectations.

eCS3, Modular Central Station Air Handling Units, have an air volume range from 1000 to 12,300 cfm (1700 to 21,000 m³/hr) with new extruded aluminum frame profile. The entire product line features rigid construction, installation ease, control flexibility, high reliability and versatile functions, which is suitable for both commercial and industrial applications.

FEATURES

The eCS3 range of Air Handling Units from Dunham-Bush features an extruded aluminium frame profile that provides a high level of unit design and application flexibility necessary to meet the rising demand for improved Indoor Air Quality. The unit is constructed using rigid nylon corners and double skin polyurethane foam insulated panels. These units can be disassembled for shipment and reassembled at site. Internal joints are insulated with rigid PVC strip and PE foam to provide air-tight casing and minimize cold bridging.

The eCS3 range is available in 8 models in horizontal and vertical formats with a wide range of options and accessories that can be selected from the Dunham-Bush SPEC electronic catalogue. eCS3 Air handling Units can be configured to meet the requirements of all standard and many specialised applications.



MEETING IAQ DESIGN REQUIREMENT

Double Skin "Sandwich" panel construction has smooth inner surfaces for easy and effective cleaning to reduce risk of dirt and bacteria accumulation. The sandwich panels are injected with Polyurethane foam of 40kg/m³ density. Panel of nominal 1" and 2" thickness are available. The external surface of all panels with 0.5 mm high strength pre-painted and 0.5 mm galvanized steel (GI) as internal skin.

DUNHAM-BUSH eCS3 Series

QUICK SERVICE ACCESS

Access panels are easily removable by screwed type panel lock. Hinged access is also available.

YOUR CHOICE OF FILTRATION

Various options of filter type, filter media and filter efficiency are available to meet the different air quality requirement.

YOUR CHOICE OF COILS

Chilled water and DX cooling coils are manufactured from copper tubes with aluminum fins, copper fins, hydrophilic coated fins or other custom made coils. Heating can be hot water coil or electric heaters.

Three-way pitch drain pan design discharges condensate quickly and prevents microbial growth. Condensate pans of 304 stainless steel material are also available as an option.

YOUR CHOICE OF BLOWER

Forward, Backward Inclined and Backward Airfoils Centrifugal fans which are AMCA certified are available. You can select class I, II or III fans to meet your required air flow, static pressure, performance and sound power.

Blower shall be coupled with pulley and motors.

Air Tight Screwed Compression Latch



Forward Curved Fan Wheel (FS)



Airfoil Fan Wheel (AF)

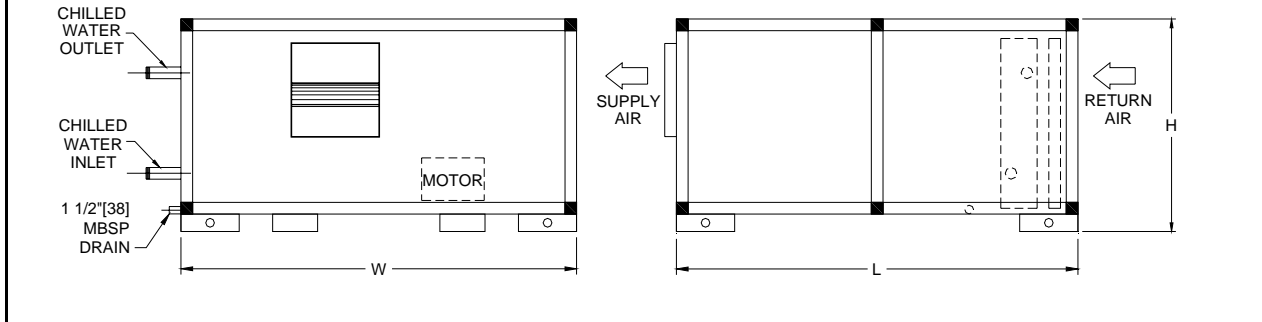


MAXIMUM AIRFLOW

Model Size	12	22	32	40	48	64	80	100
Max. CFM [m³/hr]	1667 [2833]	2667 [4532]	3896 [6620]	4813 [8178]	5729 [9735]	7563 [12851]	9625 [16355]	12375 [21028]

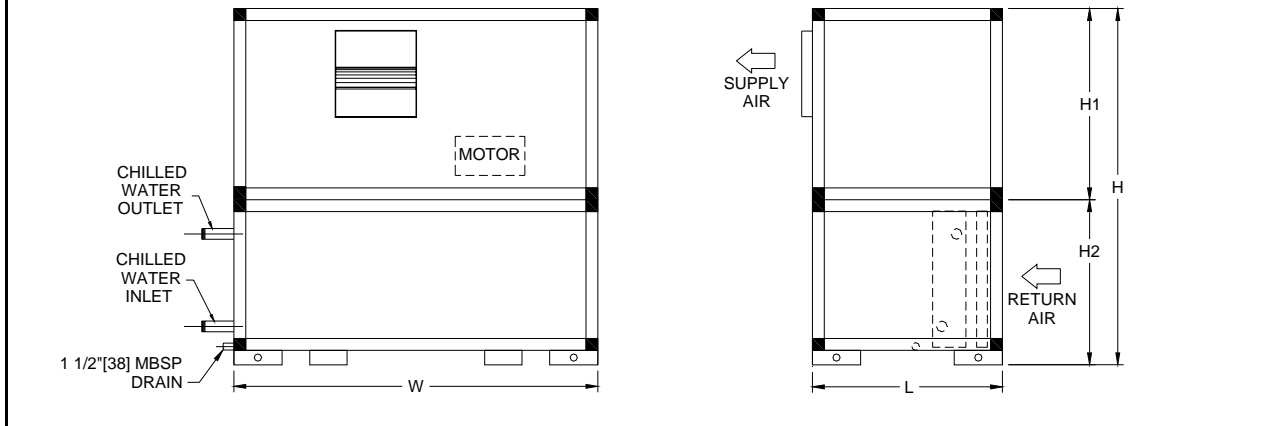
PHYSICAL DIMENSION

1.) HORIZONTAL TYPE (Standard Fan & Short Coil Sections)



Model	1" Casing - inches [mm]			2" Casing - inches [mm]		
	H	W	L	H	W	L
12	37[940]	33 1/16[840]	56 11/16[1440]	37 1/2[950]	33 7/16[850]	57 1/16[1450]
22	37[940]	48 13/16[1240]	56 11/16[1440]	37 1/2[950]	49 1/4[1250]	57 1/16[1450]
32	44 7/8[1140]	48 13/16[1240]	56 11/16[1440]	45 1/4[1150]	49 1/4[1250]	57 1/16[1450]
40	44 7/8[1140]	56 11/16[1440]	56 11/16[1440]	45 1/4[1150]	57 1/16[1450]	57 1/16[1450]
48	44 7/8[1140]	64 9/16[1640]	64 9/16[1640]	45 1/4[1150]	64 15/16[1650]	64 15/16[1650]
64	44 7/8[1140]	80 5/16[2040]	64 9/16[1640]	45 1/4[1150]	80 11/16[2050]	64 15/16[1650]
80	52 3/4[1340]	80 5/16[2040]	72 3/8[1840]	53 1/8[1350]	80 11/16[2050]	72 13/16[1850]
100	60 5/8[1540]	80 5/16[2040]	72 3/8[1840]	61 1/16[1550]	80 11/16[2050]	72 13/16[1850]

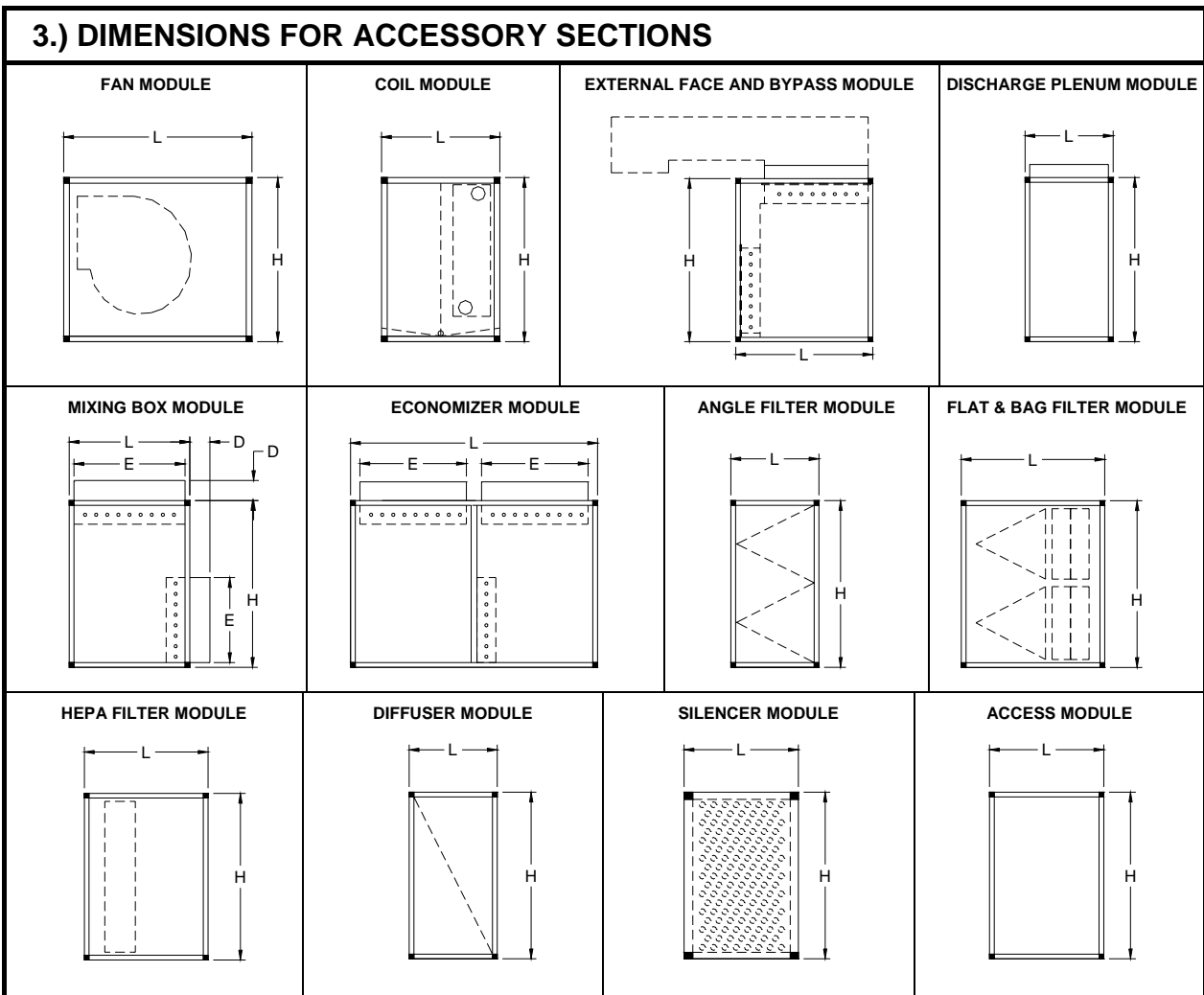
2.) VERTICAL TYPE



Model	1" Casing - inches [mm]					2" Casing - inches [mm]				
	H	W	H1	H2	L	H	W	H1	H2	L
12	60 5/8[1540]	33 1/16[840]	-	-	33 1/16[840]	61[1550]	33 7/16[850]	-	-	33 7/16[850]
22	68 1/2[1740]	48 13/16[1240]	-	-	33 1/16[840]	68 7/8[1750]	49 1/4[1250]	-	-	33 7/16[850]
32	76 3/8[1940]	48 13/16[1240]	-	-	33 1/16[840]	76 3/4[1950]	49 1/4[1250]	-	-	33 7/16[850]
40	84 1/4[2140]	56 11/16[1440]	-	-	33 1/16[840]	84 5/8[2150]	57 1/16[1450]	-	-	33 7/16[850]
48	84 1/4[2140]	64 9/16[1640]	-	-	40 15/16[1040]	84 5/8[2150]	65[1650]	-	-	41 3/8[1050]
64	85 7/8[2180]	80 5/16[2040]	40 15/16[1040]	44 7/8[1140]	40 15/16[1040]	86 5/8[2200]	80 3/4[2050]	41 3/8[1050]	45 1/4[1150]	41 3/8[1050]
80	101 1/2[2580]	80 5/16[2040]	48 13/16[1240]	52 3/4[1340]	48 13/16[1240]	102 3/8[2600]	80 3/4[2050]	49 1/4[1250]	53 1/8[1350]	49 1/4[1250]
100	109 7/16[2780]	80 5/16[2040]	48 13/16[1240]	60 5/8[1540]	48 13/16[1240]	110 1/4[2800]	80 3/4[2050]	49 1/4[1250]	61[1550]	49 1/4[1250]

- Notes:
1. Refer to page 5, Dimensions For Accessory Sections for unit configuration and dimensions.
 2. Height (H) includes the unit base.
 3. L/H motor and R/H piping shown.

PHYSICAL DIMENSION



Model	Unit Height (H)	Unit Width (W)	Fan	Coil (Long)	Coil (Short)	External Face & Bypass	Mixing Box	Econo-mizer	Flat & Bag / Angle Filter	Hepa Filter	Diffuser	Silencer	Access	Discharge Plenum	Damper / Discharge Plenum Opening Size	
															Width (E)	Length (L)
															Inches [mm]	
Module			Module Length (M)													
12	4	4	4	4	3	2	2	4	3	5	2	5	3	2	8 1/4[210]	11 13/16[300]
22	4	6	4	4	3	2	2	4	3	5	2	5	3	2	8 1/4 [210]	19 11/16[500]
32	5	6	4	4	3	3	3	6	3	5	2	5	3	3	8 1/4 [210]	27 9/16[700]
40	5	7	4	4	3	3	3	6	3	5	2	5	3	3	8 1/4 [210]	35 7/16[900]
48	5	8	5	4	3	3	3	6	3	5	2	5	3	3	8 1/4 [210]	39 3/8[1000]
64	5	10	5	4	3	3	3	6	3	5	2	5	3	3	12 3/16[310]	39 3/8[1000]
80	6	10	6	4	3	3	3	6	3	5	3	5	3	3	12 3/16[310]	47 1/4[1200]
100	7	10	6	4	3	4	4	8	3	5	3	5	3	4	16 1/8[410]	47 1/4[1200]

- Notes: 1.) To calculate actual unit height, **1 Module = 7 7/8" [200mm]**
 Unit base = 4" [100mm]
 eg. 1" Casing Unit Height (H) = (4 x 7 7/8"[200mm]) + 1 1/2"[40mm] + 4"[100mm] = 37"[940mm] (includes unit base)
 eg. 2" Casing Unit Height (H) = (4 x 7 7/8"[200mm]) + 2"[50mm] + 4"[100mm] = 37 1/2"[950mm] (includes unit base)
- 2.) To calculate actual unit width and length, **1 Module = 7 7/8" [200mm]**
 1" Casing, Unit Width (W) = (4 x 7 7/8"[200mm]) + 1 1/2"[40mm] = 33"[840mm]
 2" Casing, Unit Width (W) = (4 x 7 7/8"[200mm]) + 2"[50mm] = 33 1/2"[850mm]
- 3.) Maximum shipping length, if, Unit Width <= 10M, Lmax = 15M
 Unit Width > 10M, Lmax = 10M



FAN DATA

FORWARD CURVED FANS – FS (Sheet 1 of 2)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure															
						0.5"wg [0.13kPa]		0.75"wg [0.19kPa]		1"wg [0.25kPa]		1.25"wg [0.31kPa]		1.50"wg [0.38kPa]		1.75"wg [0.44kPa]		2.00"wg [0.50kPa]		2.25"wg [0.56kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
FS 12	9 - 7	1000	1699	400	2.03	814	0.19	969	0.25	1113	0.31	1252	0.39	1383	0.47	1510	0.55	1513	0.61	1622	0.70
		1125	1912	450	2.29	837	0.23	981	0.30	1117	0.37	1244	0.44	1369	0.52	1489	0.62	1485	0.67	1590	0.76
		1250	2124	500	2.54	866	0.30	1001	0.37	1127	0.43	1248	0.52	1363	0.59	1476	0.68	1471	0.75	1569	0.84
		1375	2336	550	2.79	902	0.35	1025	0.43	1144	0.52	1258	0.59	1368	0.68	1473	0.77	1463	0.84	1555	0.92
		1500	2549	600	3.05	945	0.44	1052	0.51	1167	0.61	1273	0.68	1378	0.77	1479	0.87	1463	0.93	1550	1.02
FS 22	10 - 8	1575	2676	315	1.60	795	0.37	914	0.46	1033	0.56	1151	0.66	1265	0.78	1375	0.91	1375	1.02	1469	1.17
		1800	3059	360	1.83	845	0.48	947	0.59	1052	0.69	1158	0.81	1261	0.92	1362	1.06	1358	1.16	1446	1.28
		2025	3441	405	2.06	901	0.65	992	0.74	1086	0.87	1178	0.99	1271	1.11	1363	1.24	1350	1.34	1434	1.46
		2250	3823	450	2.29	962	0.84	1045	0.95	1128	1.06	1211	1.20	1294	1.33	1378	1.46	1357	1.55	1433	1.67
		2475	4206	495	2.51	1028	1.08	1102	1.18	1178	1.30	1253	1.43	1329	1.57	1403	1.73	1374	1.82	1444	1.95
2700	4588	540	2.74	1096	1.35	1163	1.46	1231	1.60	1300	1.73	1370	1.87	1439	2.04	1400	2.12	1465	2.27		
FS 32	12 - 9	1920	3262	290	1.47	643	0.39	758	0.51	865	0.64	966	0.77	1062	0.90	1154	1.06	1157	1.18	1236	1.34
		2240	3806	340	1.73	675	0.53	778	0.65	876	0.78	968	0.92	1057	1.08	1142	1.24	1137	1.35	1212	1.54
		2560	4350	390	1.98	715	0.70	807	0.84	897	0.97	982	1.13	1064	1.30	1143	1.47	1132	1.59	1202	1.76
		2880	4894	435	2.21	761	0.92	842	1.08	925	1.22	1005	1.39	1081	1.56	1154	1.74	1137	1.84	1203	2.05
		3200	5437	485	2.46	815	1.21	885	1.35	958	1.52	1031	1.69	1103	1.87	1173	2.07	1151	2.17	1212	2.37
		3520	5981	535	2.72	871	1.53	932	1.69	997	1.87	1064	2.05	1131	2.26	1198	2.44	1170	2.54	1228	2.76
3840	6525	580	2.95	934	1.95	986	2.11	1043	2.29	1102	2.48	1164	2.67	1225	2.89	1194	3.00	1248	3.18		
FS 40	15 - 11	2800	4758	335	1.70	527	0.53	618	0.66	724	0.86	821	1.06	910	1.30	990	1.51	988	1.63	1052	1.88
		3200	5437	385	1.96	562	0.70	632	0.84	715	1.00	807	1.24	895	1.46	977	1.71	975	1.91	1041	2.14
		3600	6117	430	2.18	604	0.95	659	1.08	724	1.22	799	1.42	880	1.66	961	1.91	962	2.10	1028	2.39
		4000	6797	480	2.44	650	1.24	697	1.38	749	1.52	808	1.68	876	1.90	949	2.18	949	2.37	1015	2.64
		4400	7476	530	2.69	699	1.60	739	1.73	783	1.87	831	2.05	886	2.22	947	2.48	939	2.66	1001	2.94
4800	8156	575	2.92	748	2.00	785	2.16	824	2.31	865	2.48	909	2.65	959	2.87	941	3.01	995	3.29		
FS 48	15 - 11	3018	5128	300	1.52	545	0.62	623	0.75	717	0.95	814	1.16	902	1.38	983	1.62	982	1.79	1046	1.99
		3521	5983	350	1.78	596	0.90	653	1.02	719	1.17	800	1.39	884	1.64	965	1.87	965	2.05	1031	2.34
		4024	6838	400	2.03	654	1.25	699	1.39	750	1.53	809	1.71	876	1.94	949	2.20	948	2.39	1014	2.66
		4527	7692	450	2.29	715	1.71	753	1.85	795	2.00	841	2.18	892	2.38	949	2.60	938	2.76	998	3.05
		5030	8547	500	2.54	778	2.29	813	2.43	848	2.60	886	2.76	928	2.96	972	3.16	947	3.24	997	3.52
		5533	9402	550	2.79	842	2.98	874	3.14	906	3.30	938	3.48	972	3.67	1010	3.87	973	3.93	1014	4.18
6036	10256	600	3.05	908	3.78	937	3.97	966	4.16	995	4.32	1026	4.52	1057	4.73	1011	4.77	1044	5.00		
FS 64	15 - 15	5132	8720	390	1.98	649	1.76	689	1.91	733	2.06	783	2.25	842	2.49	907	2.76	977	3.10	1050	3.47
		5773	9809	440	2.24	713	2.44	746	2.58	783	2.75	822	2.92	864	3.11	914	3.35	969	3.64	1030	4.36
		6415	10900	490	2.49	778	3.26	808	3.42	838	3.59	871	3.76	907	3.96	942	4.14	987	4.44	1032	4.72
		7056	11990	540	2.74	844	4.27	871	4.44	898	4.62	927	4.81	957	5.00	989	5.22	1022	5.44	1058	5.69
7698	13080	590	3.00	911	5.48	936	5.65	962	5.86	986	6.04	1014	6.26	1040	6.48	1068	6.68	1099	6.94		
FS 80	18 - 18	5250	8921	325	1.65	438	1.03	511	1.28	585	1.59	659	1.96	730	2.35	798	2.76	863	3.24	925	3.71
		6000	10195	375	1.91	462	1.38	525	1.64	589	1.93	654	2.27	718	2.66	783	3.13	845	3.59	904	4.05
		6750	11470	418	2.12	491	1.80	547	2.10	603	2.40	659	2.72	717	3.11	775	3.55	832	4.02	888	4.53
		7500	12744	464	2.36	523	2.35	573	2.66	622	2.96	673	3.31	724	3.69	776	4.12	827	4.55	880	4.52
		8250	14018	511	2.60	557	3.01	602	3.31	647	3.67	692	4.01	737	4.40	785	4.81	831	5.24	878	5.71
9000	15293	557	2.83	592	3.77	633	4.10	675	4.47	716	4.84	757	5.23	799	5.65	842	6.11	884	6.52		
FS 100	450	6180	10501	320	1.63	431	1.26	501	1.59	567	1.93	630	2.33	692	2.76	751	3.20	808	3.68	862	4.13
		7210	12251	370	1.88	456	1.76	520	2.13	579	2.50	637	2.92	692	3.35	746	3.76	799	4.29	850	4.77
		8240	14001	425	2.16	485	2.37	544	2.79	598	3.21	651	3.64	701	4.08	750	4.55	799	5.09	846	5.57
		9270	15752	475	2.41	517	3.13	572	3.60	622	4.06	671	4.55	717	5.01	762	5.48	806	6.05	850	6.55
		10300	17502	530	2.69	551	4.06	600	4.57	649	5.09	693	5.61	737	6.14	779	6.64	821	7.22	861	7.73
11330	19252	585	2.97	586	5.15	632	5.72	678	6.30	720	6.85	761	7.44	800	8.01	839	8.60	878	9.19		

- Notes: 1.) Face velocity (FPM) based on coil standard face area.
 2.) Consult factory for alternate fan model.
 3.) Consult factory for operation beyond published operating range.



FAN DATA

FORWARD CURVED FANS – FS (Sheet 2 of 2)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure													
						2.50"wg [0.63kPa]		2.75"wg [0.69kPa]		3.00"wg [0.75kPa]		3.25"wg [0.81kPa]		3.50"wg [0.88kPa]		3.75"wg [0.94kPa]		4.00"wg [1.00kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
FS 12	9 – 7	1000	1699	400	2.03	1727	0.80	1826	0.87	1919	0.98	2009	1.09	2094	1.21	2177	1.33	2258	1.42
		1125	1912	450	2.29	1690	0.87	1788	0.95	1883	1.07	1973	1.16	2061	1.25	2143	1.38	2224	1.51
		1250	2124	500	2.54	1661	0.92	1757	1.04	1848	1.16	1935	1.25	2023	1.37	2107	1.47	2189	1.58
		1375	2336	550	2.79	1647	1.02	1736	1.13	1819	1.22	1907	1.35	1990	1.46	2071	1.58	2151	1.69
		1500	2549	600	3.05	1638	1.13	1721	1.22	1805	1.35	1886	1.46	1963	1.56	2042	1.69	2121	1.82
FS 22	10 – 8	1575	2676	315	1.60	1558	1.33	1643	1.46	1724	1.60	1803	1.75	1879	1.89	1951	2.01	2019	2.16
		1800	3059	360	1.83	1534	1.45	1617	1.60	1698	1.79	1776	1.96	1851	2.13	1923	2.29	1994	2.46
		2025	3441	405	2.06	1517	1.62	1597	1.76	1675	1.95	1751	2.13	1825	2.30	1897	2.50	1967	2.70
		2250	3823	450	2.29	1510	1.84	1584	1.99	1659	2.17	1732	2.33	1804	2.50	1875	2.71	1943	2.92
		2475	4206	495	2.51	1515	2.10	1584	2.25	1654	2.43	1722	2.60	1790	2.79	1858	2.98	1923	3.15
		2700	4588	540	2.74	1530	2.43	1594	2.59	1659	2.75	1722	2.89	1787	3.11	1850	3.30	1911	3.48
FS 32	12 – 9	1920	3262	290	1.47	1314	1.52	1388	1.72	1461	1.89	1530	2.08	1595	2.29	1660	2.49	1722	2.68
		2240	3806	340	1.73	1284	1.71	1357	1.91	1426	2.09	1492	2.27	1558	2.50	1622	2.72	1684	2.94
		2560	4350	390	1.98	1269	1.92	1336	2.13	1401	2.33	1465	2.53	1527	2.76	1589	2.97	1648	3.17
		2880	4894	435	2.21	1266	2.23	13	2.43	1388	2.62	1448	2.81	1508	3.05	1566	3.26	1621	3.48
		3200	5437	485	2.46	1271	2.55	1331	2.79	1386	2.98	1443	3.21	1499	3.42	1552	3.60	1607	3.85
		3520	5981	535	2.72	1284	2.97	1339	3.17	1393	3.38	1447	3.64	1499	3.86	1550	4.09	1602	4.34
		3840	6525	580	2.95	1302	3.42	1354	3.64	1406	3.88	1456	4.10	1505	4.30	1555	4.59	1604	4.85
FS 40	15 – 11	2800	4758	335	1.70	1112	2.10	1170	2.34	1226	2.59	1278	2.83	1330	3.06	1378	3.29	1427	3.56
		3200	5437	385	1.96	1102	2.35	1161	2.60	1215	2.87	1268	3.13	1319	3.38	1369	3.68	1416	3.96
		3600	6117	430	2.18	1091	2.67	1149	2.94	1205	3.20	1259	3.42	1309	3.72	1359	4.04	1406	4.34
		4000	6797	480	2.44	1077	2.93	1136	3.24	1193	3.55	1246	3.86	1298	4.17	1348	4.43	1396	4.69
		4400	7476	530	2.69	1063	3.24	1122	3.55	1179	3.86	1234	4.19	1285	4.56	1336	4.90	1384	5.23
		4800	8156	575	2.92	1053	3.60	1109	3.92	1167	4.25	1220	4.59	1272	4.93	1323	5.24	1371	5.65
FS 48	15 – 11	3018	5128	300	1.52	1107	2.23	1165	2.49	1220	2.72	1273	2.98	1324	3.25	1373	3.52	1420	3.77
		3521	5983	350	1.78	1093	2.62	1152	2.88	1207	3.11	1261	3.37	1311	3.67	1361	3.96	1408	4.25
		4024	6838	400	2.03	1076	2.94	1135	3.25	1192	3.58	1246	3.88	1298	4.19	1347	4.47	1396	4.72
		4527	7692	450	2.29	1059	3.37	1118	3.65	1174	4.00	1229	4.29	1281	4.66	1332	5.02	1380	5.37
		5030	8547	500	2.54	1050	3.82	1103	4.14	1158	4.48	1211	4.83	1264	5.17	1314	5.54	1364	5.88
		5533	9402	550	2.79	1055	4.40	1102	4.73	1149	5.05	1199	5.42	1247	5.77	1297	6.17	1345	6.52
		6036	10256	600	3.05	1079	5.23	1117	5.48	1156	5.76	1199	6.11	1240	6.42	1286	6.85	1332	7.23
FS 64	15 – 15	5132	8720	390	1.98	1118	3.91	1181	4.30	-	-	-	-	-	-	-	-	-	
		5773	9809	440	2.24	1092	4.36	1157	4.79	1217	5.23	-	-	-	-	-	-	-	
		6415	10900	490	2.49	1084	5.02	1138	5.42	1194	5.84	-	-	-	-	-	-	-	
		7056	11990	540	2.74	1098	6.01	1140	6.32	1188	6.66	1235	7.06	-	-	-	-	-	
		7698	13080	590	3.00	1129	7.16	1165	7.50	-	-	-	-	-	-	-	-	-	
FS 80	18 – 18	5250	8921	325	1.65	983	4.21	1037	4.72	1089	5.18	-	-	-	-	-	-	-	
		6000	10195	375	1.91	962	4.57	1017	513.04	1069	5.67	1120	6.25	-	-	-	-	-	
		6750	11470	418	2.12	943	5.05	997	5.57	1049	6.08	1099	6.73	-	-	-	-	-	
		7500	12744	464	2.36	931	5.59	982	6.15	1031	6.70	1080	7.31	1128	7.87	-	-	-	
		8250	14018	511	2.60	926	6.23	972	6.76	1019	7.36	1065	7.99	1110	8.58	-	-	-	
		9000	15293	557	2.83	928	7.07	969	7.53	1014	8.15	1057	8.72	1099	9.33	-	-	-	
FS 100	450	6180	10501	320	1.63	914	4.69	964	5.22	1011	5.69	1057	6.26	1100	6.88	1141	7.47	1182	8.06
		7210	12251	370	1.88	848	5.34	948	5.90	994	6.40	1039	7.06	1084	7.69	1126	8.30	1166	8.86
		8240	14001	425	2.16	893	6.15	938	6.72	982	7.26	1026	7.94	1068	8.60	1109	9.19	1149	9.81
		9270	15752	475	2.41	894	7.16	935	7.73	976	8.30	1019	8.98	1058	9.61	1097	10.20	1136	10.96
		10300	17502	530	2.69	901	8.36	940	8.93	980	9.59	1018	10.24	-	-	-	-	-	-
		11330	19252	585	2.97	915	9.78	952	10.37	-	-	-	-	-	-	-	-	-	-

- Notes: 1.) Face velocity (FPM) based on coil standard face area.
 2.) Consult factory for alternate fan model.
 3.) Consult factory for operation beyond published operating range.



FAN DATA

BACKWARD INCLINED AIR FOIL – BF/ AF (Sheet 1 of 4)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure									
						1.25"wg [0.31kPa]		1.5"wg [0.38 kPa]		1.75"wg [0.44 kPa]		2"wg [0.50 kPa]		2.25"wg [0.56 kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
BF 22	250	1575	2676	315	1.60	2338	0.56	2461	0.65	2581	0.74	2696	0.83	2807	0.91
		1800	3059	360	1.83	2500	0.69	2613	0.78	2723	0.88	2831	0.97	2935	1.08
		2025	3441	405	2.06	2672	0.84	2778	0.94	2880	1.05	2979	1.15	3077	1.27
		2250	3823	450	2.29	2849	1.02	2951	1.12	3048	1.24	3141	1.36	3232	1.47
		2475	4206	495	2.51	3029	1.22	3130	1.34	3223	1.47	3312	1.59	3399	1.72
		2700	4588	540	2.74	3210	1.46	3310	1.59	3402	1.72	3489	1.86	3572	2.00
BF 32	280	1920	3262	290	1.47	2044	0.65	2156	0.75	2263	0.87	2368	0.97	2469	1.09
		2240	3806	340	1.73	2202	0.83	2304	0.94	2403	1.06	2499	1.18	2593	1.31
		2560	4350	390	1.98	2373	1.03	2468	1.16	2559	1.30	2647	1.43	2734	1.56
		2880	4894	435	2.21	2551	1.28	2642	1.43	2727	0.10	2809	1.72	2889	1.87
		3200	5437	485	2.46	2731	1.59	2819	1.74	2903	1.89	2981	2.05	3057	2.21
		3520	5981	535	2.72	2912	1.95	2999	2.11	3081	2.27	3158	2.43	3231	2.61
AF 40	315	2400	4078	300	1.52	1785	0.79	1884	0.91	1978	1.05	2069	1.17	2157	1.30
		2800	4758	350	1.78	1923	1.00	2012	1.13	2099	1.29	2184	1.43	2266	1.57
		3200	5437	400	2.03	2070	1.25	2153	1.42	2234	1.56	2313	1.73	2389	1.89
		3600	6117	450	2.29	2227	1.56	2304	1.74	2379	1.91	2453	2.08	2523	2.26
		4000	6797	500	2.54	2392	1.94	2463	2.12	2533	2.31	2601	2.49	2667	2.68
		4400	7476	550	2.79	2561	2.38	2627	2.56	2693	2.77	2756	2.98	2819	3.18
AF 48	355	4800	8156	600	3.05	2735	2.87	2796	3.08	2858	3.30	2918	3.52	2976	3.74
		3015	5123	300	1.52	1585	0.96	1673	1.11	1757	1.27	1838	1.43	1916	1.60
		3517	5976	350	1.78	1706	1.22	1786	1.39	1864	1.56	1939	1.74	2011	1.91
		4020	6831	400	2.03	1837	1.53	1911	1.73	1982	1.90	2052	2.11	2120	2.30
		4522	7684	450	2.29	1975	1.90	2044	2.11	2110	2.31	2176	2.53	2239	2.74
		5025	8538	500	2.54	2120	2.34	2183	2.59	2247	2.81	2307	3.04	2367	3.27
AF 64	400	5527	9391	550	2.79	2269	2.87	2329	3.11	2387	3.37	2444	3.61	2501	3.86
		6030	10246	600	3.05	2423	3.48	2479	3.74	2533	4.00	2587	4.28	2638	4.55
		3852	6545	300	1.52	1328	1.18	1400	1.35	1468	1.54	1536	1.73	1600	1.92
		4494	7636	350	1.78	1431	1.49	1497	1.69	1560	1.91	1622	2.12	1682	2.33
		5136	8727	400	2.03	1543	1.88	1604	2.10	1662	2.49	1720	2.58	1776	2.80
		5778	9818	450	2.29	1661	2.34	1718	2.60	1772	2.84	1826	3.10	1878	3.37
AF 80	450	6420	10909	500	2.54	1785	2.89	1838	3.18	1888	3.46	1938	3.72	1987	4.01
		7062	12000	550	2.79	1913	3.55	1961	3.85	2009	4.14	2055	4.44	2101	4.75
		7704	13091	600	3.05	2044	4.30	2089	4.63	2133	4.94	2177	5.27	2220	5.60
		4500	7646	300	1.52	1148	1.33	1214	1.55	1279	1.76	1340	1.99	1400	2.23
		5250	8921	350	1.78	1230	1.66	1292	1.91	1351	2.16	1408	2.40	1464	2.67
		6000	10195	400	2.03	1319	2.08	1377	2.34	1432	2.62	1485	2.89	1537	3.18
AF 100	500	6750	11470	450	2.29	1415	2.58	1468	2.85	1519	3.15	1569	3.47	1618	3.76
		7500	12744	500	2.54	1515	3.14	1565	3.47	1612	3.79	1658	4.12	1705	4.46
		8250	14018	550	2.79	1619	3.82	1664	4.18	1709	4.52	1753	4.88	1795	5.24
		9000	15293	600	3.05	1725	4.60	1769	4.98	1811	5.35	1851	5.73	1892	6.13
		6180	10501	300	1.52	1036	1.83	1093	2.12	1148	2.40	1201	2.70	1252	3.01
		7210	12251	350	1.78	1117	2.34	1169	2.66	1218	2.98	1268	3.31	1314	3.64
AF 100	500	8240	14001	400	2.03	1205	2.97	1252	3.31	1298	3.67	1343	4.02	1386	4.39
		9270	15752	450	2.29	1299	3.71	1341	4.09	1384	4.48	1426	4.88	1466	5.27
		10300	17502	500	2.54	1396	4.60	1437	5.01	1475	5.44	1513	5.86	1551	6.31
		11330	19252	550	2.79	1498	5.65	1534	6.11	1571	6.56	1607	7.02	1641	7.48
		12360	21002	600	3.05	1601	6.88	1636	7.36	1669	7.85	1703	8.35	1736	8.85

Note: Face velocity (FPM) based on coil standard face area.



FAN DATA

BACKWARD INCLINED AIR FOIL – BF/ AF (Sheet 2 of 4)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure									
						2.5"wg [0.63kPa]		2.75"wg [0.69kPa]		3"wg [0.75kPa]		3.25"wg [0.81kPa]		3.5"wg [0.88kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
BF 22	250	1575	2676	315	1.60	2915	1.00	3018	1.11	3117	1.21	3213	1.31	3307	1.42
		1800	3059	360	1.83	3036	1.18	3136	1.28	3231	1.39	3326	1.50	3417	1.61
		2025	3441	405	2.06	3172	1.37	3266	1.49	3357	1.61	3447	1.72	3534	1.84
		2250	3823	450	2.29	3322	1.61	3409	1.72	3495	1.84	3580	1.98	3663	2.09
		2475	4206	495	2.51	3482	1.86	3565	1.99	3646	2.12	3726	2.26	3804	2.39
		2700	4588	540	2.74	3652	2.14	3730	2.28	3806	2.42	3882	2.56	3957	2.71
BF 32	280	1920	3262	290	1.47	2565	1.21	2657	1.33	2746	1.44	2833	1.56	2917	1.70
		2240	3806	340	1.73	2684	1.43	2773	1.56	2858	1.70	2943	1.83	3024	1.96
		2560	4350	390	1.98	2818	1.71	2902	1.84	2983	1.99	3062	2.14	3140	2.28
		2880	4894	435	2.21	2968	2.02	3046	2.17	3121	2.33	3197	2.48	3270	2.64
		3200	5437	485	2.46	3130	2.37	3203	2.55	3275	2.71	3344	2.89	3413	3.05
		3520	5981	535	2.72	3302	2.79	3370	2.96	3437	3.15	3503	3.33	3568	3.52
AF 40	315	3840	6525	580	2.95	3478	3.26	3544	3.45	3609	3.64	3671	3.83	3733	4.04
		2400	4078	300	1.52	2242	1.44	2323	1.57	2405	1.73	2483	1.87	2559	2.00
		2800	4758	350	1.78	2345	1.73	2422	1.87	2498	2.04	2572	2.20	2643	2.34
		3200	5437	400	2.03	2463	2.05	2536	2.22	2606	2.39	2676	2.56	2744	2.74
		3600	6117	450	2.29	2593	2.43	2662	2.63	2727	2.81	2794	2.99	2858	3.18
		4000	6797	500	2.54	2733	2.89	2796	3.08	2859	3.27	2922	3.48	2983	3.67
AF 48	355	4400	7476	550	2.79	2880	3.39	2940	3.60	3000	3.82	3058	4.03	3116	4.25
		4800	8156	600	3.05	3035	3.96	3092	4.20	3147	4.42	3203	4.65	3258	4.90
		3015	5123	300	1.52	1992	1.75	2066	1.94	2138	2.11	2207	2.29	2274	2.46
		3517	5976	350	1.78	2083	2.11	2152	2.29	2219	2.48	2285	2.67	2349	2.87
		4020	6831	400	2.03	2187	2.51	2252	2.72	2314	2.90	2378	3.12	2438	3.33
		4522	7684	450	2.29	2302	2.96	2362	3.18	2421	3.41	2481	3.64	2537	3.87
AF 64	400	5025	8538	500	2.54	2425	3.51	2482	3.74	2539	3.98	2594	4.24	2647	4.48
		5527	9391	550	2.79	2554	4.11	2609	4.38	2662	4.64	2714	4.90	2765	5.16
		6030	10246	600	3.05	2692	4.82	2743	5.10	2792	5.38	2842	5.67	2890	5.94
		3852	6545	300	1.52	1662	2.13	1722	2.33	1781	2.54	1839	2.76	1894	2.97
		4494	7636	350	1.78	1741	2.54	1797	2.77	1852	3.00	1907	3.24	1959	3.47
		5136	8727	400	2.03	1830	3.04	1884	3.30	1935	3.54	1986	3.79	2036	4.05
AF 80	450	5778	9818	450	2.29	1929	3.63	1979	3.89	2027	4.17	2075	4.43	2123	4.71
		6420	10909	500	2.54	2034	4.29	2082	4.57	2127	4.88	2172	5.15	2218	5.46
		7062	12000	550	2.79	2145	5.06	2190	5.37	2234	5.68	2276	5.99	2318	6.31
		7704	13091	600	3.05	2263	5.93	2304	6.26	2345	6.59	2385	6.93	2426	7.27
		4500	7646	300	1.52	1456	2.47	1513	2.71	1567	2.97	1619	3.22	1671	3.50
		5250	8921	350	1.78	1517	2.93	1570	3.20	1621	3.48	1670	3.75	1718	4.04
AF 100	500	6000	10195	400	2.03	1587	3.47	1637	3.75	1685	4.06	1731	4.36	1777	4.66
		6750	11470	450	2.29	1664	4.08	1711	4.40	1757	4.72	1800	5.05	1844	5.37
		7500	12744	500	2.54	1749	4.79	1792	5.13	1835	5.48	1877	5.82	1919	6.18
		8250	14018	550	2.79	1839	5.60	1880	5.97	1920	6.34	1960	6.72	1999	7.09
		9000	15293	600	3.05	1931	6.52	1970	6.92	2010	7.31	2047	7.72	2084	8.11
		6180	10501	300	1.52	1302	3.31	1349	3.63	1398	3.95	1443	4.27	1487	4.60
7210	12251	350	1.78	1362	3.98	1406	4.34	1450	4.69	1494	5.05	1535	5.40		
8240	14001	400	2.03	1430	4.77	1472	5.14	1512	5.52	1553	5.93	1592	6.32		
9270	15752	450	2.29	1506	5.68	1545	6.10	1583	6.51	1621	6.93	1658	7.36		
10300	17502	500	2.54	1588	6.75	1625	7.19	1661	7.64	1696	8.10	1730	8.55		
11330	19252	550	2.79	1676	7.97	1711	8.44	1744	8.93	1777	9.41	1811	9.91		
12360	21002	600	3.05	1767	9.36	1799	9.87	1831	10.40	1863	10.91	1894	11.44		

Note: Face velocity (FPM) based on coil standard face area.

FAN DATA

BACKWARD INCLINED AIR FOIL – BF/ AF (Sheet 3 of 4)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure									
						3.75"wg [0.94kPa]		4"wg [1.00kPa]		4.25"wg [1.06kPa]		4.5"wg [1.13kPa]		4.75"wg [1.19kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
BF 22	250	1575	2676	315	1.60	3399	1.52	3489	1.62	3578	1.72	3664	1.84	3751	1.95
		1800	3059	360	1.83	3504	1.72	3591	1.84	3674	1.95	3756	2.06	3837	2.20
		2025	3441	405	2.06	3620	1.96	3704	2.08	3786	2.20	3866	2.33	3944	2.46
		2250	3823	450	2.29	3745	2.23	3825	2.36	3905	2.48	3983	2.61	4058	2.76
		2475	4206	495	2.51	3882	2.52	3958	2.65	4034	2.80	4108	2.93	4181	3.08
		2700	4588	540	2.74	4030	2.86	4103	2.99	4175	3.14	4246	3.29	4316	3.45
BF 32	280	1920	3262	290	1.47	3000	1.81	3081	1.95	3161	1.62	3241	2.21	3320	2.34
		2240	3806	340	1.73	3102	2.11	3179	2.24	3253	2.39	3327	2.54	3399	2.68
		2560	4350	390	1.98	3217	2.43	3291	2.58	3364	2.73	3435	2.89	3505	3.05
		2880	4894	435	2.21	3342	2.80	3413	2.96	3483	3.12	3552	3.29	3620	3.46
		3200	5437	485	2.46	3481	3.23	3549	3.39	3614	3.57	3680	3.74	3744	3.92
		3520	5981	535	2.72	3632	3.70	3695	3.89	3758	4.07	3820	4.26	3881	4.45
AF 40	315	3840	6525	580	2.95	3793	4.23	3853	4.44	3913	4.63	3970	4.83	4029	5.04
		2400	4078	300	1.52	2633	2.17	2706	2.31	2777	2.48	2846	2.63	2915	2.78
		2800	4758	350	1.78	2713	2.51	2783	2.68	2850	2.85	2917	3.03	2981	3.18
		3200	5437	400	2.03	2811	2.90	2876	3.09	2940	3.27	3004	3.47	3065	3.64
		3600	6117	450	2.29	2920	3.37	2983	3.55	3044	3.76	3104	3.95	3162	4.15
		4000	6797	500	2.54	3041	3.87	3101	4.08	3159	4.30	3216	4.51	3271	4.72
AF 48	355	4400	7476	550	2.79	3173	4.47	3229	4.69	3283	4.91	3338	5.13	3392	5.37
		4800	8156	600	3.05	3312	5.12	3364	5.35	3417	5.59	3470	5.84	3521	6.07
		3015	5123	300	1.52	2341	2.64	2406	2.83	2470	3.03	2531	3.21	2592	3.41
		3517	5976	350	1.78	2411	3.07	2473	3.27	2534	3.48	2593	3.69	2650	3.89
		4020	6831	400	2.03	2496	3.55	2555	3.77	2613	3.99	2668	4.21	2724	4.43
		4522	7684	450	2.29	2593	4.10	2650	4.33	2704	4.59	2757	4.82	2809	5.06
AF 64	400	5025	8538	500	2.54	2701	4.73	2754	4.98	2805	5.24	2856	5.50	2906	5.75
		5527	9391	550	2.79	2816	5.43	2866	5.71	2915	5.97	2964	6.25	3011	6.53
		6030	10246	600	3.05	2938	6.22	2985	6.51	3033	6.81	3079	7.11	3125	7.40
		3852	6545	300	1.52	1949	3.18	2002	3.41	2055	3.64	2105	3.86	2156	4.09
		4494	7636	350	1.78	2011	3.71	2061	3.95	2112	4.19	2160	4.44	2207	4.69
		5136	8727	400	2.03	2085	4.30	2132	4.56	2179	4.83	2226	5.10	2271	5.37
AF 80	450	5778	9818	450	2.29	2168	4.98	2213	5.27	2259	5.55	2303	5.84	2346	6.14
		6420	10909	500	2.54	2260	5.76	2304	6.06	2346	6.36	2389	6.68	2429	6.99
		7062	12000	550	2.79	2360	6.64	2401	6.96	2441	7.28	2480	7.61	2520	7.94
		7704	13091	600	3.05	2465	7.61	2504	7.97	2542	8.31	2580	8.66	2618	9.02
		4500	7646	300	1.52	1720	3.75	1769	4.02	1816	4.29	1863	4.57	1909	4.85
		5250	8921	350	1.78	1766	4.34	1813	4.62	1857	4.90	1902	5.22	1947	5.52
AF 100	500	6000	10195	400	2.03	1822	4.97	1866	5.28	1910	5.60	1952	5.93	1994	6.26
		6750	11470	450	2.29	1887	5.71	1929	6.05	1969	6.39	2011	6.73	2051	7.09
		7500	12744	500	2.54	1959	6.55	1999	6.90	2038	7.26	2078	7.64	2116	8.01
		8250	14018	550	2.79	2037	7.47	2074	7.85	2113	8.26	2150	8.65	2186	9.05
		9000	15293	600	3.05	2121	8.52	2157	8.94	2193	9.35	2228	9.77	2262	10.19
		6180	10501	300	1.52	1532	4.96	1575	5.30	1616	5.65	1656	5.99	1696	6.35
7210	12251	350	1.78	1576	5.77	1617	6.15	1656	6.53	1695	6.92	1733	7.28		
8240	14001	400	2.03	1630	6.70	1670	7.11	1707	7.55	1744	7.95	1780	8.35		
9270	15752	450	2.29	1694	7.78	1731	8.24	1766	8.68	1801	9.12	1835	9.56		
10300	17502	500	2.54	1765	9.02	1800	9.49	1833	9.95	1865	10.43	1899	10.92		
11330	19252	550	2.79	1843	10.41	1875	10.91	1906	11.41	1937	11.94	1969	12.44		
12360	21002	600	3.05	1924	11.96	1955	12.50	1985	13.05	2015	13.59	2044	14.13		

Note: Face velocity (FPM) based on coil standard face area.



FAN DATA

BACKWARD INCLINED AIR FOIL – BF/ AF (Sheet 4 of 4)

Model	Fan Model	Air Volume		Coil Face Vel.		Total Static Pressure									
						5"wg [1.25kPa]		5.25"wg [1.31kPa]		5.5"wg [1.38kPa]		5.75"wg [1.44kPa]		6"wg [1.50kPa]	
		cfm	m ³ /hr	fpm	m/sec	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
BF 22	250	1575	2676	315	1.60	3836	2.06	3922	2.17	4006	2.28	4089	2.40	4171	2.51
		1800	3059	360	1.83	3916	2.31	3995	2.43	4073	2.55	4149	2.68	4225	2.80
		2025	3441	405	2.06	4020	2.58	4096	2.71	4169	2.84	4242	2.98	4313	3.11
		2250	3823	450	2.29	4134	2.89	4207	3.02	4279	3.17	4350	3.30	4420	3.45
		2475	4206	495	2.51	4255	3.23	4326	3.36	4396	3.51	4466	3.66	4533	3.82
		2700	4588	540	2.74	4385	3.60	4453	3.74	4521	3.91	4588	4.05	4654	4.22
BF 32	280	1920	3262	290	1.47	3398	2.48	3475	2.61	3551	2.76	3626	2.89	3701	3.02
		2240	3806	340	1.73	3471	2.83	3541	2.98	3610	3.12	3679	3.29	3747	3.43
		2560	4350	390	1.98	3573	3.20	3640	3.36	3705	3.52	3770	3.70	3834	3.86
		2880	4894	435	2.21	3686	3.63	3752	3.80	3815	3.98	3878	4.14	3941	4.32
		3200	5437	485	2.46	3808	4.11	3872	4.29	3933	4.47	3995	4.66	4055	4.85
		3520	5981	535	2.72	3942	4.64	4002	4.83	4060	5.03	4119	5.23	4178	5.42
3840	6525	580	2.95	4087	5.25	4144	5.44	4200	5.65	4256	5.87	4311	6.07		
AF 40	315	2400	4078	300	1.52	2983	2.95	3048	3.12	3112	3.29	3176	3.45	3238	3.61
		2800	4758	350	1.78	3046	3.37	3109	3.54	3171	3.73	3231	3.91	3291	4.08
		3200	5437	400	2.03	3126	3.83	3187	4.03	3246	4.21	3304	4.41	3361	4.60
		3600	6117	450	2.29	3220	4.35	3279	4.55	3336	4.76	3391	4.97	3445	5.17
		4000	6797	500	2.54	3328	4.94	3383	5.16	3437	5.37	3490	5.59	3542	5.81
		4400	7476	550	2.79	3445	5.59	3498	5.82	3549	6.04	3599	6.28	3651	6.51
4800	8156	600	3.05	3571	6.33	3620	6.56	3670	6.81	3720	7.06	3768	7.32		
AF 48	355	3015	5123	300	1.52	2653	3.61	2711	3.82	2768	4.00	2825	4.21	2880	4.42
		3517	5976	350	1.78	2707	4.11	2764	4.33	2819	4.54	2874	4.76	2926	4.98
		4020	6831	400	2.03	2778	4.68	2833	4.91	2885	5.15	2937	5.38	2988	5.62
		4522	7684	450	2.29	2862	5.30	2913	5.56	2964	5.81	3013	6.06	3061	6.31
		5025	8538	500	2.54	2956	6.02	3005	6.28	3053	6.55	3100	6.81	3147	7.10
		5527	9391	550	2.79	3059	6.81	3106	7.10	3151	7.37	3197	7.65	3242	7.94
6030	10246	600	3.05	3170	7.69	3213	7.99	3259	8.28	3302	8.59	3346	8.90		
AF 64	400	3852	6545	300	1.52	2205	4.34	2254	4.57	2302	4.81	2348	5.06	2394	5.30
		4494	7636	350	1.78	2254	4.94	2301	5.22	2346	5.47	2392	5.73	2435	5.99
		5136	8727	400	2.03	2315	5.64	2361	5.93	2404	6.21	2447	6.49	2490	6.77
		5778	9818	450	2.29	2388	6.42	2431	6.72	2472	7.03	2513	7.32	2553	7.63
		6420	10909	500	2.54	2470	7.30	2510	7.63	2550	7.94	2589	8.27	2628	8.58
		7062	12000	550	2.79	2560	8.28	2598	8.62	2635	8.97	2672	9.31	2709	9.65
7704	13091	600	3.05	2654	9.37	2691	9.73	2726	10.08	2763	10.45	2799	10.82		
AF 80	450	4500	7646	300	1.52	1953	5.14	1997	5.43	2040	5.72	2083	6.04	2125	6.35
		5250	8921	350	1.78	1989	5.82	2031	6.14	2071	6.44	2114	6.77	2154	7.10
		6000	10195	400	2.03	2035	6.59	2075	6.92	2115	7.26	2154	7.60	2193	7.95
		6750	11470	450	2.29	2090	7.44	2128	7.80	2166	8.15	2204	8.52	2241	8.89
		7500	12744	500	2.54	2153	8.40	2189	8.77	2226	9.15	2262	9.54	2298	9.94
		8250	14018	550	2.79	2222	9.44	2257	9.85	2293	10.25	2327	10.66	2361	11.08
9000	15293	600	3.05	2297	10.61	2331	11.06	2365	11.48	2398	11.90	2430	12.34		
AF 100	500	6180	10501	300	1.52	1737	6.73	1776	7.10	1814	7.48	1851	7.85	1888	8.23
		7210	12251	350	1.78	1771	7.70	1809	8.10	1845	8.51	1881	8.93	1916	9.32
		8240	14001	400	2.03	1816	8.79	1851	9.23	1886	9.66	1920	10.10	1954	10.54
		9270	15752	450	2.29	1869	10.03	1903	10.49	1936	10.95	1969	11.42	2000	11.87
		10300	17502	500	2.54	1931	11.42	1963	11.90	1994	12.40	2025	12.88	2056	13.40
		11330	19252	550	2.79	1999	12.95	2029	13.48	2059	13.99	2089	14.54	2119	15.08
12360	21002	600	3.05	2072	14.67	2101	15.24	2130	15.80	2159	16.38	2187	16.95		

Note: Face velocity (FPM) based on coil standard face area.



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