

Bulletin SC-1000



SC VOLUME BLOWERS



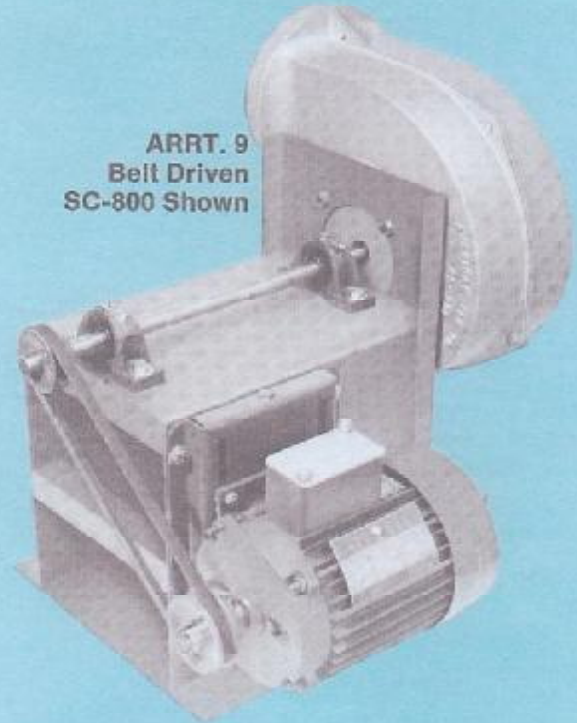
ARRT. 4
Base Mounted
SC-800 Shown



ARRT. 4
Flange Mounted
SC-600 Shown



ARRT. 1
Belt Driven
SC-800 Shown



ARRT. 9
Belt Driven
SC-800 Shown

Model SC features a steel multivane forward curve wheel with a high volume, low noise level characteristic. Model SC is ideal for O.E.M. applications where a quiet, reliable, compact blower is required. Large motor cooling, laundry machinery purging, electronic equipment cooling, and lab hood fume exhausting are just a few of the current applications.

Pressure selections are available up to 4" S.P. w.g. and capacity selections up to 1400 CFM.

Model SC can be mounted and supported by an integrally cast outlet flange or mounted on a base, depending on the application. Special configurations are also available.

Features

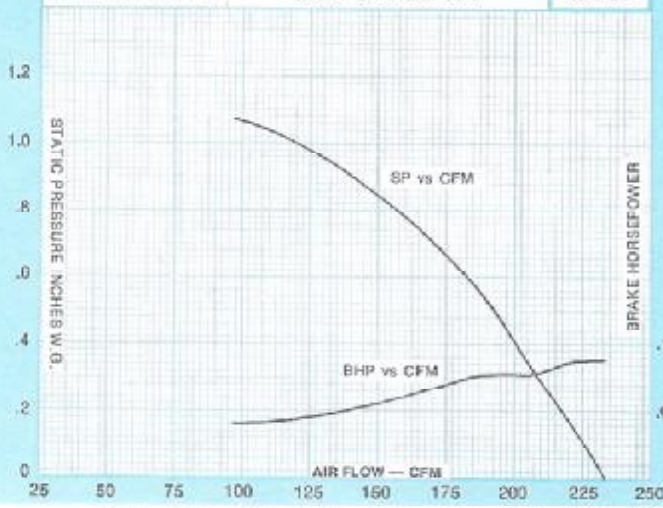
- Rugged cast aluminum housing
- AMCA Type "C" Sparkproof construction
- Round Slip Fit Inlet Standard — Available with flanged inlet
- Low Cost and Low Maintenance
- Steel forward curve wheel
- Light weight, compact design — necessary for many O.E.M. applications
- Integrally cast outlet flange — (Standard on 381, Optional on 475, 600 and 800)

Accessories

- Inlet flange
- Outlet flange
- Housing drain with plug
- Inlet filter
- Shaft seal
- Inlet guard
- Outlet guard
- Cast iron housing

PERFORMANCE DATA

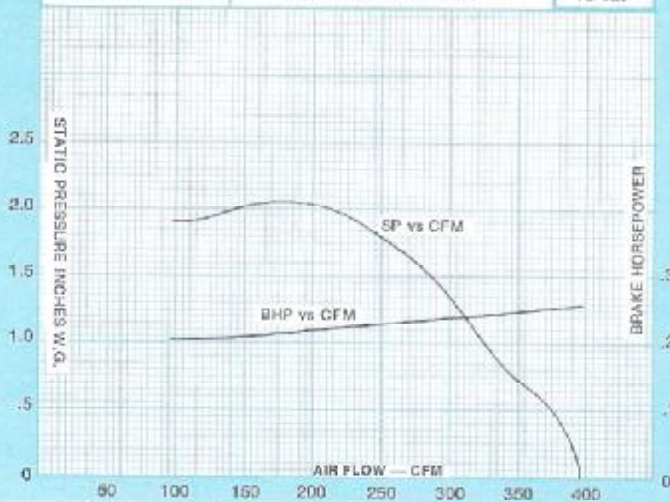
AMERICAN FAN CO. SC-381 3450 RPM 70°F TD-1425



CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
157	3890	2822	2035	1486	1094	804	594	427	309
165	3400	2621	1947	1406	1014	724	514	347	229
180	3000	2420	1858	1326	934	644	434	267	150
200	2600	2219	1769	1246	854	564	354	187	71
225	2200	2018	1680	1166	774	484	274	107	2

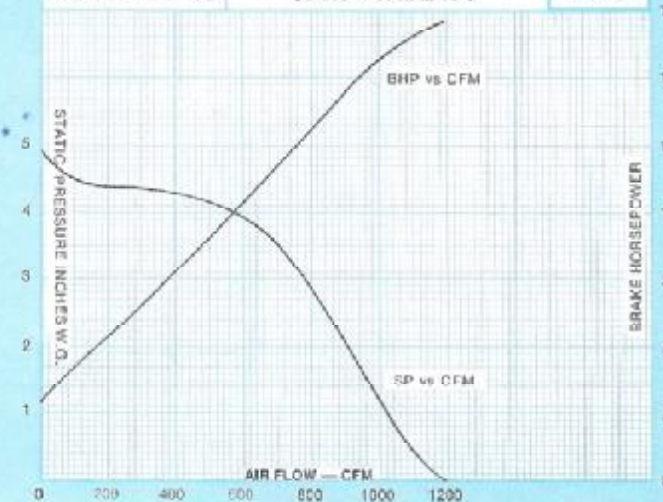
NOTE: MODEL SC-381 NOT AVAILABLE IN BELT DRIVE. TABLE TO BE USED ON DIRECT DRIVE APPLICATIONS UTILIZING AN ELECTRONIC SPEED CONTROLLER ONLY.

AMERICAN FAN CO. SC-476 3450 RPM 70°F TD-728



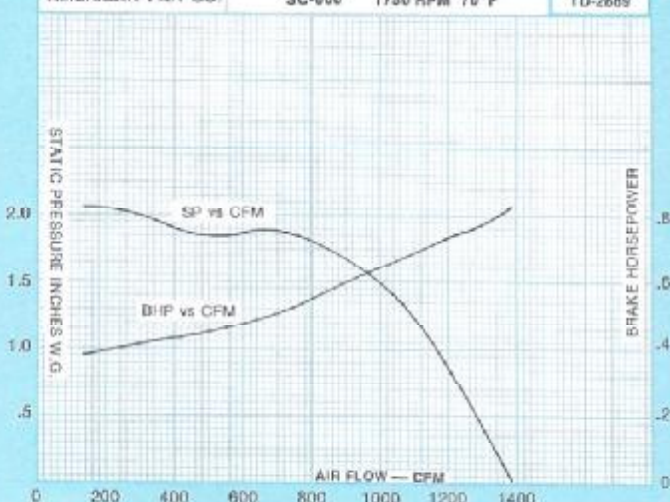
CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
182	2320	1777	1323	979	734	589	444	300	155
190	2020	1526	1171	871	654	509	364	220	75
222	1530	1137	876	676	504	364	224	80	30
250	1140	840	680	510	368	228	84	30	0
281	850	650	510	368	228	84	30	0	0
311	660	510	368	228	84	30	0	0	0
341	500	368	228	84	30	0	0	0	0
370	350	228	84	30	0	0	0	0	0
400	200	84	30	0	0	0	0	0	0

AMERICAN FAN CO. SC-800 3450 RPM 70°F TD-1424



CFM	0.50 SP	1.00 SP	1.50 SP	2.00 SP	2.50 SP	3.00 SP	3.50 SP	4.00 SP
CFM	0.50 SP	1.00 SP	1.50 SP	2.00 SP	2.50 SP	3.00 SP	3.50 SP	4.00 SP
274	1400	1046	791	536	281	236	191	146
303	1200	900	675	450	240	195	150	105
411	1000	754	579	375	195	150	105	60
510	800	600	450	300	150	105	60	15
560	700	525	394	263	131	97	63	0
687	500	375	279	188	97	63	0	0
748	400	300	225	150	75	45	0	0
824	300	225	150	75	45	0	0	0
903	200	150	75	45	0	0	0	0
981	100	75	45	0	0	0	0	0

AMERICAN FAN CO. SC-800 1750 RPM 70°F TD-2689

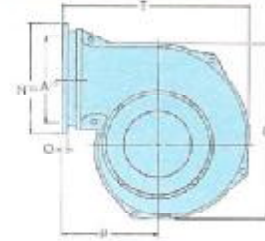
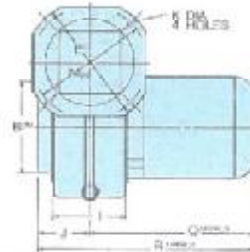
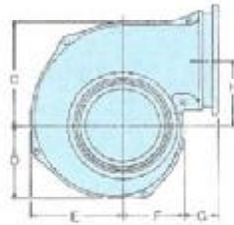


CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
CFM	0.25 SP	0.50 SP	0.75 SP	1.00 SP	1.25 SP	1.50 SP	1.75 SP	2.00 SP	2.25 SP
188	1400	1046	791	536	281	236	191	146	101
223	1200	900	675	450	240	195	150	105	60
257	1000	754	579	375	195	150	105	60	15
300	800	600	450	300	150	105	60	15	0
343	600	450	300	150	105	60	15	0	0
386	400	300	225	150	75	45	0	0	0
429	200	150	75	45	0	0	0	0	0
472	100	75	45	0	0	0	0	0	0
515	0	0	0	0	0	0	0	0	0

DIMENSIONAL DATA

Arrangement 4 Flange Mount

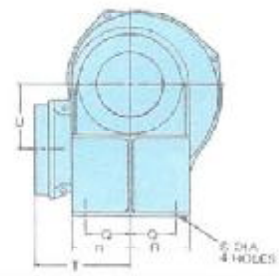
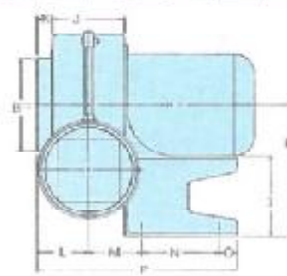
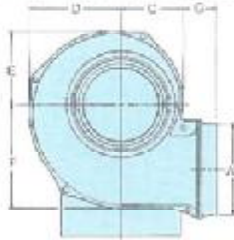
Fan Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
381	2 $\frac{1}{2}$	4	3 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	—	3 $\frac{1}{2}$	4	8 $\frac{1}{2}$	10 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$
475	3 $\frac{1}{2}$	5	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	3	3 $\frac{1}{2}$	6 $\frac{1}{2}$	5 $\frac{1}{2}$	6	7 $\frac{1}{2}$	4 $\frac{1}{2}$	10 $\frac{1}{2}$	13 $\frac{1}{2}$	8 $\frac{1}{2}$	9 $\frac{1}{2}$
600	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	8	7 $\frac{1}{2}$	7	7 $\frac{1}{2}$	6	11 $\frac{1}{2}$	14 $\frac{1}{2}$	11 $\frac{1}{2}$	11 $\frac{1}{2}$
800	7 $\frac{1}{2}$	8	8 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$	5 $\frac{1}{2}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	4	3 $\frac{1}{2}$	10	9 $\frac{1}{2}$	9	7 $\frac{1}{2}$	7	11 $\frac{1}{2}$	15 $\frac{1}{2}$	14 $\frac{1}{2}$	14 $\frac{1}{2}$



Arrangement 4 Base Mount

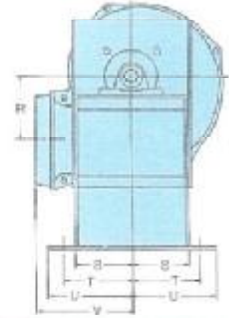
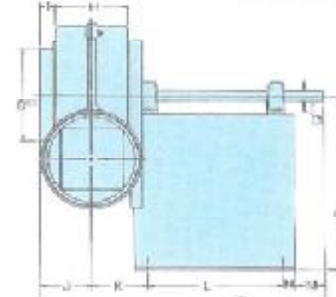
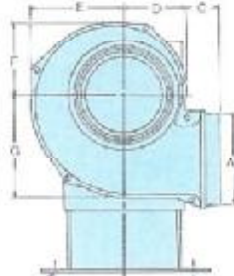
*MODEL SC-381 IS FURNISHED WITH INTEGRALLY CAST OUTLET FLANGE. SEE ARR. 4 FLANGE MOUNT DRAWING FOR DISCHARGE DIMENSIONS.

Fan Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
381	4	4	2 $\frac{1}{2}$	3 $\frac{1}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{8}$	1 $\frac{1}{2}$	8 $\frac{1}{2}$	5	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{3}{8}$	5	1	11 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7 $\frac{1}{2}$	4	2 $\frac{1}{2}$
475	4	5	3 $\frac{1}{2}$	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	1 $\frac{1}{2}$	8 $\frac{1}{2}$	5	3 $\frac{3}{4}$	1 $\frac{1}{2}$	3	3 $\frac{1}{2}$	5	1	12 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$
600	6	6	3 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{1}{2}$	8 $\frac{1}{2}$	5	4 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	5	1	12 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7 $\frac{1}{2}$	6	4 $\frac{1}{2}$
800	8	8	5 $\frac{1}{2}$	7 $\frac{1}{2}$	6 $\frac{1}{2}$	8 $\frac{1}{2}$	1 $\frac{1}{2}$	10 $\frac{1}{2}$	7	5 $\frac{1}{2}$	1 $\frac{1}{2}$	4	4	6	1	15	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7 $\frac{1}{2}$	7	5 $\frac{1}{2}$



Arrangement 1

Fan Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
475	4	5	1 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{2}$	3	3 $\frac{1}{2}$	12	3	1	15	22 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	4	5	6	4 $\frac{1}{2}$
600	6	6	2 $\frac{1}{2}$	3 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	6 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	12	3	1	15	22 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	4	5	6	6
800	8	8	1 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$	6 $\frac{1}{2}$	8 $\frac{1}{2}$	5 $\frac{1}{2}$	1 $\frac{1}{2}$	4	4 $\frac{1}{2}$	12	3	1	15	24 $\frac{1}{2}$	1	5 $\frac{1}{2}$	5	6	7	7



NOTES

SC-381 available in CW rotation only as viewed from drive side.

SC-381 is only available with integrally cast outlet flange.

SC-381 not available in Arrangement 1 or 9.

Distributed by:



A Flakt Woods Company
2933 Symmes Road
Fairfield, Ohio 45014
Phone (513) 874 2400
www.flaktwoods.com

LITHO IN U.S.A.