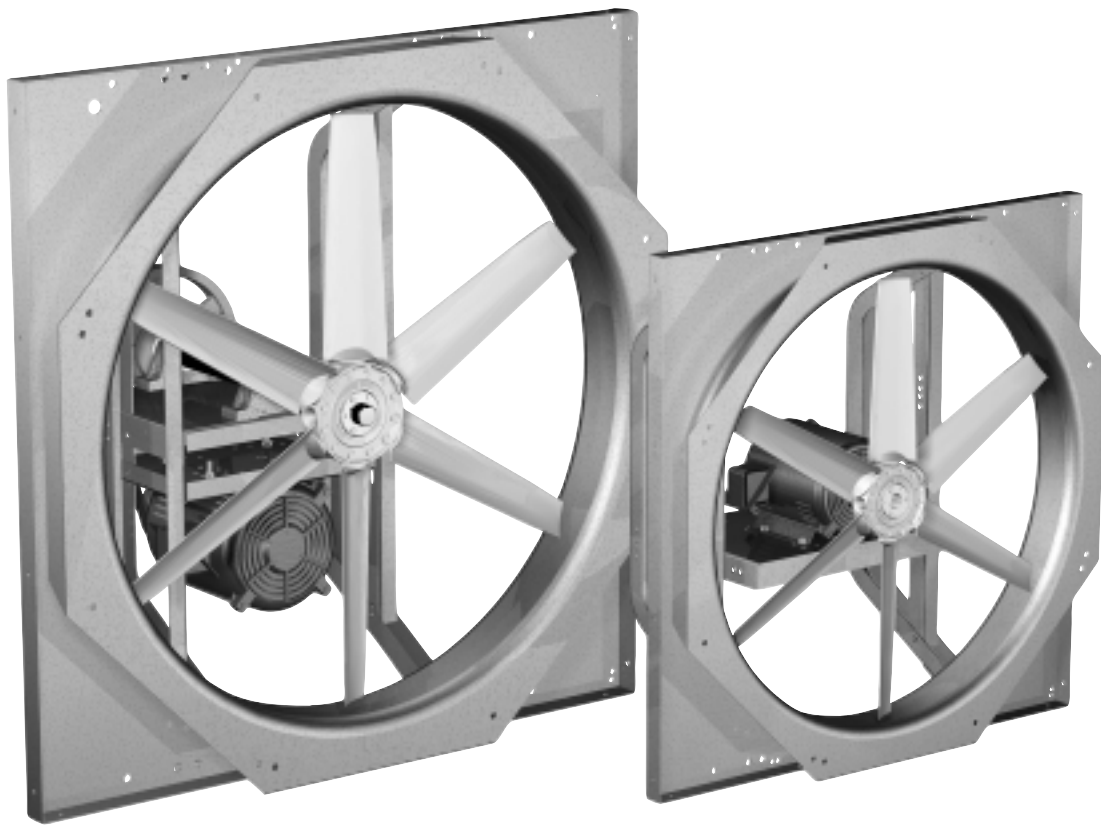


Sidewall Propeller Reversible Fans

***Performance Supplement to
Sidewall Propeller Fans Catalog***



- ***Belt Drive***
to 80,000 cfm
- ***Direct Drive***
to 50,000 cfm

Model Number	Motor HP	Fan RPM	Max BHP	Sones @ F.A.	CFM / Static Pressure in Inches WG												
					0.000	0.05	0.1	0.125	0.15	0.2	0.25	0.3	0.375	0.5	0.625	0.75	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
SCR3-24-627-C4	1/4	860	0.28	16.7	4982	4665	4270	4007	3499								
SCR3-24-632-C3	1/3	860	0.35	16.9	5478	5153	4731	4392	3790								
SCR3-24-416-B4	1/4	1160	0.29	18.1	4521	4242	3949	3784	3620	3016	2232						
SCR3-24-420-B3	1/3	1160	0.37	19.3	5200	4904	4597	4435	4272	3816	2837						
SCR3-24-623-B5	1/2	1160	0.57	22	6093	5870	5628	5500	5371	5030	4529	3792					
SCR3-24-632-B7	3/4	1160	0.86	27	7389	7148	6896	6739	6582	6207	5690						
SCR3-24-410-A5	1/2	1750	0.61	32	5234	5028	4829	4731	4633	4404	4167	3922	3364				
SCR3-24-414-A7	3/4	1750	0.83	34	6298	6114	5931	5835	5739	5546	5332	5109	4626				
SCR3-24-418-A10	1	1750	1.15	35	7333	7141	6950	6853	6753	6553	6348	6112	5758	4623			
SCR3-24-425-A15	1 1/2	1750	1.67	38	8928	8701	8474	8364	8260	8050	7831	7581	7160	6056			
SCR3-24-626-A20	2	1750	2.31	41	9936	9786	9636	9561	9487	9326	9155	8984	8708	8111	6996		
SCR3-30-415-C4	1/4	860	0.29	16.6	6262	5733	5131	4718	4014								
SCR3-30-419-C3	1/3	860	0.37	17.2	7219	6524	5855	5467	4861								
SCR3-30-620-C5	1/2	860	0.52	18.8	8118	7695	7219	6953	6682	5738							
SCR3-30-629-C7	3/4	860	0.84	22	9694	9234	8451	7978	7404								
SCR3-30-412-B5	1/2	1160	0.58	24	7490	7051	6640	6429	6212	5688	4914						
SCR3-30-418-B7	3/4	1160	0.86	27	9415	8921	8440	8206	7968	7467	6764	5490					
SCR3-30-423-B10	1	1160	1.12	29	10659	10135	9607	9330	9000	8338	7673	6256					
SCR3-30-624-B15	1 1/2	1160	1.74	33	12168	11797	11425	11239	11042	10647	10032	9244	8159				
SCR3-30-630-B20	2	1160	2.16	35	13227	12911	12596	12376	11987	11234	10437	9305					
SCR3-30-407-A10	1	1750	1.22	47	8583	8290	7998	7882	7766	7534	7259	6770	6243				
SCR3-30-410-A15	1 1/2	1750	1.63	46	10337	10022	9713	9571	9430	9146	8893	8653	8266	7375			
SCR3-30-413-A20	2	1750	2.09	45	11780	11498	11217	11078	10943	10673	10404	10114	9644	8635			
SCR3-30-420-A30	3	1750	3.34	53	15176	14807	14437	14258	14085	13738	13393	13070	12585	11692	10359		
SCR3-30-623-A50	5	1750	5.69	63	17897	17658	17420	17300	17181	16942	16704	16455	16068	15380	14269	13199	
SCR3-36-412-C5	1/2	860	0.54	23	9048	8380	7590	7156	6727								
SCR3-36-419-C7	3/4	860	0.82	23	12244	11532	10735	10260	9750	8735							
SCR3-36-425-C10	1	860	1.15	27	14110	13544	12541	12029	11536	10272	8338						
SCR3-36-628-C15	1 1/2	860	1.74	31	16433	15856	15258	14814	14370	13429	12309						
SCR3-36-406-B7	3/4	1160	0.83	38	9491	8991	8416	8054	7677								
SCR3-36-410-B10	1	1160	1.13	38	10864	10436	9964	9700	9413	8798	8226	7493					
SCR3-36-415-B15	1 1/2	1160	1.71	38	14216	13624	13076	12814	12553	11875	11202	10531	9442				
SCR3-36-616-B20	2	1160	2.2	44	15749	15312	14874	14667	14468	14071	13651	13183	12407				
SCR3-36-623-B30	3	1160	3.44	49	19714	19294	18874	18659	18420	17944	17467	16951	16029	14204			
SCR3-36-630-B50	5	1160	4.65	51	23117	22704	22290	22084	21877	21222	20473	19750	18648	16180			
SCR3-42-417-F7	3/4	690	0.68	22	13598	12268	10835	9809	8589								
SCR3-42-620-F10	1	690	1.09	25	16651	15570	14511	13928	13316	11602							
SCR3-42-629-F15	1 1/2	690	1.65	30	19202	18040	16406	15463	14600	12683							
SCR3-42-415-C10	1	860	1.13	30	16079	14907	13969	13436	12805	11235							
SCR3-42-422-C15	1 1/2	860	1.76	35	18876	17759	16552	15875	15182	13699	11684						
SCR3-42-621-C20	2	860	2.25	36	21191	20336	19479	19048	18614	17612	16541	15214					
SCR3-42-630-C30	3	860	3.27	43	24182	23244	22221	21682	20822	18963	17704	16613					
SCR3-42-408-B15	1 1/2	1160	1.76	50	15026	14328	13601	13216	12825	11978	10953	9650	7136				
SCR3-42-412-B20	2	1160	2.33	51	18959	18190	17432	17066	16700	15891	15029	14017	11856				
SCR3-42-418-B30	3	1160	3.45	54	23446	22662	21885	21501	21118	20314	19400	18384	16497				
SCR3-42-621-B50	5	1160	5.54	60	28583	27950	27316	26999	26681	26043	25405	24705	23591	21564			
SCR3-42-630-B75	7 1/2	1160	8.15	73	32617	31922	31226	30878	30483	29684	28885	27019	25357	23150			
SCR3-48-414-F7	3/4	690	0.87	28	18011	16528	14580	13364	11950								
SCR3-48-418-F10	1	690	1.16	30	20555	19027	16931	15671	14268	10901							
SCR3-48-619-F15	1 1/2	690	1.75	33	23382	22284	20801	19932	19058	17137	14216						
SCR3-48-624-F20	2	690	2.26	37	26551	25172	23613	22714	21701	19145	15868						
SCR3-48-414-C15	1 1/2	860	1.66	40	22448	21298	19942	19201	18354	16385	14154						
SCR3-48-418-C20	2	860	2.26	42	25619	24430	23021	22243	21307	19280	16959	14401					
SCR3-48-620-C30	3	860	3.52	48	30093	29264	28436	27770	27003	25524	24097	22719	19594				
SCR3-48-629-C50	5	860	5.6	56	35190	33738	32250	31430	30611	28532	26292	24091	20050				
SCR3-48-403-B15	1 1/2	1160	1.6	56	14102	13313	12413	11885	11323	10100	8760						
SCR3-48-407-B20	2	1160	2.31	69	20862	20048	19222	18773	18324	17285	16039	14683	12327				
SCR3-48-412-B30	3	1160	3.57	69	28015	27173	26331	25844	25331	24303	23203	22039	19655	15119			
SCR3-48-418-B50	5	1160	5.56	72	34556	33675	32793	32352	31788	30635	29387	27973	25647	21187			
SCR3-48-417-B75	7 1/2	1160	8.95	69	37004	36466	35928	35659	35390	34852	34217	33475	32363	30250	27397	24082	
SCR3-48-420-B100	10	1160	11.23	75	41056	40544	40032	39776	39521	39009	38384	37505	36186	34027	31482	28125	
SCR3-54-409-F15	1 1/2	690	1.62	36	21245	19997	18972	18304	17490	15579	12408						
SCR3-54-413-F20	2	690	2.31	35	25287	24142	22997	22311	21496	19866	17523						
SCR3-54-420-F30	3	690	3.45	35	32665	31100	29515	28701	27785	25855	23633	20808					
SCR3-54-623-F50	5	690	5.52	46	38452	37244	36028	35293	34558	33089	31492	29814	27136				
SCR3-54-409-C20	2	860	2.22	51	26479	25469	24557	24146	23735	22661	21345	19757	16345				
SCR3-54-410-C30	3	860	3.37	53	28003	26997	26094	25707	25320	24417	23142	21715	18977				
SCR3-54-417-C50	5	860	5.81	52	37090	35926	34762	34229	33715	32688	31591	30131	27682	21770			
SCR3-54-618-C75	7 1/2	860	8.46	61	41795	40905	40014	39569	39124	38310	37501	36693	35197	31917	25633		
SCR3-54-625-C100	10	860	11.7	68	50142	49193	48243	47769	47283	46067	44851	43285	40770	37199	33806		

Please refer to Sidewall Propeller Fans Catalog and Model SCE3 for Dimensional and Accessory Information.

Performance shown is for Model SCR3 exhaust for installation type A: Free inlet, Free outlet.
Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301.
Values are for installation type A: free inlet sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.



Models SCR3 and SBCR are listed for electrical (UL/cUL 705) File no. E40001

Model Number	Motor HP	Fan RPM	Max BHP	Sones @ F.A.	CFM / Static Pressure in Inches WG															
					0.000	0.100	0.125	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750					
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM					
24 Performance Limits					Max Fan RPM = 1623					Max Motor Frame Size = 145T					TS = RPM x 6.283					
SBCR-24-4	1/4	841	0.24	14.2	4792	4061	3827	3413												
SBCR-24-4	1/4	893	0.28	15	5088	4411	4216	3961												
SBCR-24-3	1/3	983	0.39	16.6	5601	5001	4829	4651	4127											
SBCR-24-5	1/2	1126	0.59	19.4	6416	5898	5763	5618	5308	4892	3875									
SBCR-24-7	3/4	1288	0.89	23	7339	6893	6774	6656	6406	6135	5807	4756								
SBCR-24-10	1	1418	1.13	27	8080	7680	7572	7465	7249	7015	6769	6313								
SBCR-24-15	1 1/2	1623	1.77	35	9248	8899	8812	8719	8531	8343	8148	7825	7171	5560						
30 Performance Limits					Max Fan RPM = 1506					Max Motor Frame Size = 184T					TS = RPM x 7.854					
SBCR-30-3	1/3	681	0.33	15.2	7420	6030	5422													
SBCR-30-3	1/3	724	0.4	16.1	7889	6622	6141	5545												
SBCR-30-5	1/2	829	0.6	18.8	9033	8000	7667	7305	6276											
SBCR-30-7	3/4	949	0.9	23	10341	9461	9217	8944	8304	7416										
SBCR-30-10	1	1045	1.2	27	11387	10606	10385	10163	9650	9027	8221									
SBCR-30-15	1 1/2	1196	1.79	32	13032	12367	12185	11992	11604	11160	10680	9682								
SBCR-30-20	2	1316	2.39	37	14339	13735	13584	13417	13065	12713	12303	11634	10018							
SBCR-30-30	3	1506	3.58	47	16410	15881	15749	15617	15332	15025	14717	14215	13217	11824						
36 Performance Limits					Max Fan RPM = 1420					Max Motor Frame Size = 184T					TS = RPM x 9.424					
SBCR-36-5	1/2	620	0.49	16.7	10384	8639	8115	7177												
SBCR-36-5	1/2	659	0.57	18.1	11037	9409	8967	8440												
SBCR-36-7	3/4	755	0.85	22	12645	11258	10874	10495	9613											
SBCR-36-10	1	830	1.13	26	13901	12675	12316	11969	11265	10429										
SBCR-36-15	1 1/2	951	1.79	30	15927	14915	14602	14289	13677	13074	12361	10104								
SBCR-36-20	2	1046	2.26	35	17519	16615	16359	16074	15505	14955	14407	13436								
SBCR-36-30	3	1198	3.4	44	20064	19276	19079	18875	18378	17881	17396	16678	15294							
SBCR-36-50	5	1420	5.75	64	23782	23117	22951	22784	22452	22043	21624	20995	19985	18886	17393					
42 Performance Limits					Max Fan RPM = 1212					Max Motor Frame Size = 215T					TS = RPM x 10.995					
SBCR-42-5	1/2	530	0.5	17.2	12939	9951	8604													
SBCR-42-5	1/2	563	0.6	18.6	13744	11087	10017													
SBCR-42-7	3/4	644	0.9	23	15722	13502	12884	12009												
SBCR-42-10	1	709	1.19	26	17308	15341	14780	14218	12542											
SBCR-42-15	1 1/2	812	1.8	32	19823	18145	17684	17200	16213	14810	12626									
SBCR-42-20	2	893	2.46	37	21800	20306	19887	19467	18585	17625	16359	12952								
SBCR-42-30	3	1023	3.59	48	24974	23715	23354	22988	22255	21484	20706	19154								
SBCR-42-50	5	1212	5.96	67	29588	28525	28259	27983	27365	26747	26122	25137	23184	20457						
48 Performance Limits					Max Fan RPM = 1166					Max Motor Frame Size = 215T					TS = RPM x 12.566					
SBCR-48-7	3/4	509	0.74	21	18042	13446	11755													
SBCR-48-7	3/4	541	0.89	22	19176	15068	13528	11927												
SBCR-48-10	1	596	1.23	26	21126	17641	16402	15002	11943											
SBCR-48-15	1 1/2	682	1.82	32	24174	21309	20403	19418	16986	14441										
SBCR-48-20	2	750	2.42	37	26584	24052	23305	22476	20552	18308	15990									
SBCR-48-30	3	859	3.56	45	30448	28350	27706	27062	25649	24004	22085	19067								
SBCR-48-50	5	1018	5.97	62	36083	34367	33934	33390	32303	31152	29930	27688	23511							
SBCR-48-75	7 1/2	1166	8.65	83	41329	39831	39457	39082	38184	37235	36278	34678	31491	27851						
54 Performance Limits					Max Fan RPM = 920					Max Motor Frame Size = 254T					TS = RPM x 14.135					
SBCR-54-15	1 1/2	460	1.43	22	23743	20143	18932	17613												
SBCR-54-15	1 1/2	489	1.78	24	25240	21901	20962	19670	17383											
SBCR-54-20	2	538	2.38	27	27769	24802	23961	23108	20807	18809										
SBCR-54-30	3	616	3.51	34	31795	29260	28567	27848	26350	24285	22504									
SBCR-54-50	5	730	5.72	44	37679	35622	35037	34451	33270	32012	30560	28033								
SBCR-54-75	7 1/2	836	8.97	56	43151	41379	40921	40409	39387	38365	37273	35559	31893	27638						
SBCR-54-100	10	920	11.9	69	47486	45876	45474	45058	44129	43200	42271	40785	37864	34642	31024					
60 Performance Limits					Max Fan RPM = 811					Max Motor Frame Size = 256T					TS = RPM x 15.691					
SBCR-60-20	2	446	1.97	25	29819	25099	23718	22220	18365											
SBCR-60-20	2	474	2.39	27	31691	27337	26059	24741	21272											
SBCR-60-30	3	543	3.56	34	36304	32649	31594	30479	28197	25170	22150									
SBCR-60-50	5	644	5.98	44	43057	39960	39199	38438	36561	34662	32715	28612								
SBCR-60-75	7 1/2	737	8.96	56	49275	46554	45889	45224	43877	42233	40590	38048	32357							
SBCR-60-100	10	811	11.9	69	54222	51746	51134	50530	49321	48049	46555	44314	40222	34832						
72 Performance Limits					Max Fan RPM = 771					Max Motor Frame Size = 256T					TS = RPM x 18.802					
SBCR-72-20	2	371	1.99	26	38286	29734	27617	25593												
SBCR-72-20	2	394	2.55	28	40659	32714	30490	28675	24224											
SBCR-72-30	3	451	3.75	35	46542	39709	37916	35972	32605	28738										
SBCR-72-50	5	535	6.32	47	55210	49520	48026	46562	43398	40355	37687	31512								
SBCR-72-75	7 1/2	612	9.23	59	63156	59068	57107	55633	53073	50315	47451	43930	33516							
SBCR-72-100	10	674	12	71	69554	66516	64788	63007	60429	58104	55580	51763	46218							
SBCR-72-150	15	771	17.9	94	79564	76908	76244	74957	71843	69602	67569	64378	58868	54239						

Please refer to Sidewall Propeller Fans Catalog and Model SBCE for Dimensional and Accessory Information.

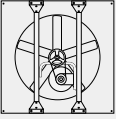
Performance shown is for Model SBCR exhaust for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet sone levels. The AMCA Certified Ratings Sound Seal applies to sone ratings only.



Models SCR3 and SBCR are listed for electrical (UL/cUL 705) File no. E40001

Reversible Belt Drive - Typical Specifications



Belt driven, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with cast aluminum blades and hubs. Propellers shall be securely attached to fan shafts. All propellers shall be statically and dynamically balanced.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified voltage, phase, and enclosure.

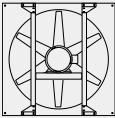
Ground and polished steel fan shafts shall be mounted in permanently lubricated, sealed ball bearing pillow blocks. Bearings shall be selected for a minimum (L10) life in excess of 100,000 hours at maximum cataloged operating speeds. Drives shall be sized for a minimum of 150 percent of driven horsepower. Pulleys shall be of the fully machined cast iron type, keyed and securely attached to wheel and motor shafts. Motor sheaves shall be adjustable for system balancing.

Drive frame and panel assemblies shall be galvanized steel or painted steel. Drive frames shall be formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed double inlet venturi. Drive frames and panels shall be bolted construction or welded construction.

The axial exhaust or supply fans shall bear tested in accordance AMCA Standard 301 in both sound and air performance.

Fans shall be Model SBCR as manufactured by Greenheck, Schofield, Wisconsin.

Reversible Direct Drive - Typical Specifications



Direct drive, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with cast aluminum blades and hubs. A standard square key and set screw or tapered bushing shall lock the propeller to the motor shaft. All propellers shall be statically and dynamically balanced.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified RPM, voltage, phase, and enclosure.

Motor drive frame assemblies and fan panels shall be galvanized steel or painted steel. Drive frame assemblies shall be welded wire or formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed double inlet venturi. Drive frames and panels shall be bolted construction or welded construction.

The axial exhaust or supply fans shall bear tested in accordance AMCA Standard 301 in both sound and air performance.

Fans shall be Model SCR3 as manufactured by Greenheck, Schofield, Wisconsin.

Warranty

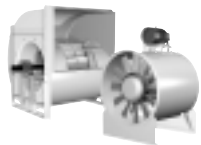
Greenheck warrants this equipment to be free from defects in material and workmanship for a period of one year from the purchase date. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid.

Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by Greenheck prove defective during this period, they should be returned to the nearest authorized motor service station. Greenheck will not be responsible for any removal or installation costs.

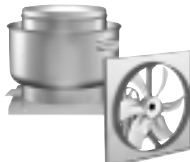
Due to continuing research, Greenheck reserves the right to change specifications without notice.



Number one in air movement and control.



Centrifugal and Vane Axial Fans



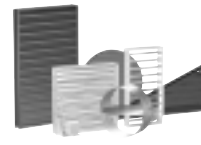
Fans and Ventilators



Energy Recovery Ventilators & Make-Up Air Units



Kitchen Ventilation Systems



Dampers and Louvers

Visit the Greenheck website for the most current information available
www.greenheck.com

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