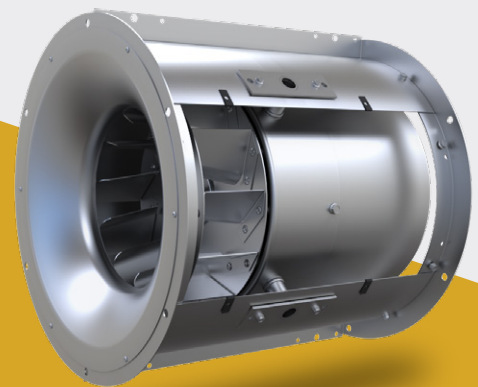


ROUND CENTREX

Centrifugal Inline Fans

TECHNICAL SPECIFICATIONS



PENNBARRY™

BULLETIN REX18

TABLE OF CONTENTS

INTRODUCTION	3
CERTIFICATIONS & LISTINGS	4
REX08, REX10 & REX12 DIRECT DRIVE	5
CENTREX REX BELT DRIVE	6
DIMENSIONAL DATA BELT DRIVE	7
REX12B BELT DRIVE	8
REX14B BELT DRIVE	9
REX20B BELT DRIVE	10
REX22B BELT DRIVE	11
REX27B BELT DRIVE	12
REX33B BELT DRIVE	13

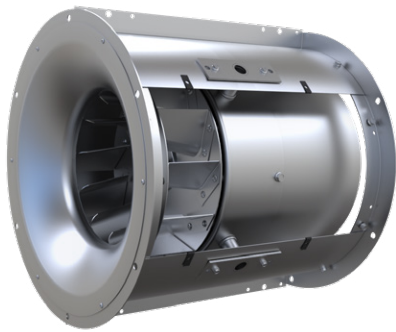
INTRODUCTION

Centrex REX Centrifugal Inline Fans

REX Inline fans are widely used in round ducts as clean air boosters in both supply and exhaust systems where the installation of conventional blowers is impractical. Their compact design gives designers an excellent alternative to conventional blowers.

As an integral part of a ventilation system layout, REX Inline fans can be installed either horizontally, vertically or at any angle determined by the duct work. Removable gasket-sealed panels enable easy access to the fan interior. Direct drive motors are isolated from the airstream. Belt drive motors are mounted on the outside housing and can be positioned at any angle to avoid existing building obstructions. Optional motor covers are available as belt guards.

REX Inline fans feature durable galvanized steel construction, which works in conjunction with a patented wheel design and deeply spun inlets to provide smoother flow through the ventilator. The centrifugal wheels are aluminum, non-overloading, backwardly inclined, robotically welded, and dynamically balanced.



Direct Drive Centrex REX

Direct Drive Units

- Static pressure up to 1.5" wg.
- Flow capacity up to 2,290 CFM



Belt Drive Centrex REX

Belt Drive Units

- Static pressure up to 3.5" wg.
- Flow capacity up to 22,054 CFM

CERTIFICATIONS & LISTINGS



Centrex REX Centrifugal Inline Fans

PennBarry certifies that the Centrex REX models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



cULus Certification

Centrex REX fans carry the UL label, UL705, (ZACT/ZACT7), file #E28413.

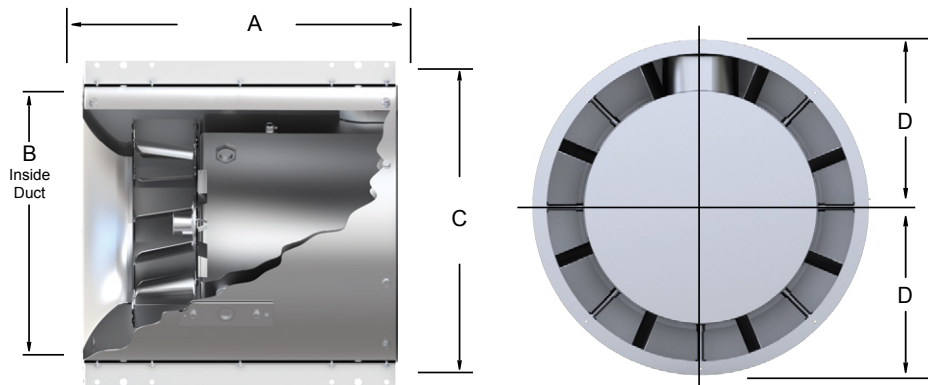


WARNING

To fulfill our obligations towards Article 33, in accordance to European REACH Regulation No 1907/2006 EC, we hereby inform you that this article contains the following Substances of Very High Concern mentioned on the Candidate list:

- Lead

REX08, REX10 & REX12 | DIRECT DRIVE



Model	RPM	Tip Speed FPM	Outlet Area (Sq. Ft.)	HP	Max BHP	Fan Capacity - Cubic Feet Per Minute (CFM)													
						0.000"	0.125"	0.250"	0.375"	0.500"	0.625"	0.750"	0.875"	1.000"	1.125"	1.250"	1.375"	1.500"	
						S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	
REX08V	1050	2270	0.902	1/25	0.01	320	170	-	-	-	-	-	-	-	-	-	-	-	
REX08T	1140	2470		1/12	0.02	345	210	75	-	-	-	-	-	-	-	-	-	-	
REX08R	1550	3350		1/25	0.04	470	380	270	185	-	-	-	-	-	-	-	-	-	
REX08Q	1750	3780		1/12	0.06	530	455	350	265	195	-	-	-	-	-	-	-	-	
REX10V	1050	3020	1.15	1/12	0.04	645	545	435	310	-	-	-	-	-	-	-	-	-	
REX10T	1140	3280		1/12	0.05	700	625	520	415	-	-	-	-	-	-	-	-	-	
REX10Q	1750	5050		1/4	0.18	1070	1000	950	900	845	775	695	635	550	235	-	-	-	
REX12V	1050	3710		1.97	1/6	0.14	1375	1170	955	670	415	-	-	-	-	-	-	-	
REX12T	1140	4030	1/4		0.18	1495	1300	1125	850	620	365	-	-	-	-	-	-	-	
REX12Q	1750	6185	3/4		0.64	2290	2140	2030	1925	1810	1685	1500	1320	1165	1015	865	705	515	

Performance shown is for installation type A - Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. S.P. figures are external pressures (0.000" S.P. includes all internal fan losses). The AMCA Certified Ratings Seal applies to air performance only. Variable speeds for direct drive models can be obtained by using the Lek-Trol™ solid state speed controller for single phase.

Model	A	B	C	D
REX08	16 1/2	12 7/8	15 5/8	7 13/16
REX10	21	14 1/2	17 1/4	8 5/8
REX12	22	19	21 3/8	10 11/16

All dimensions are in inches

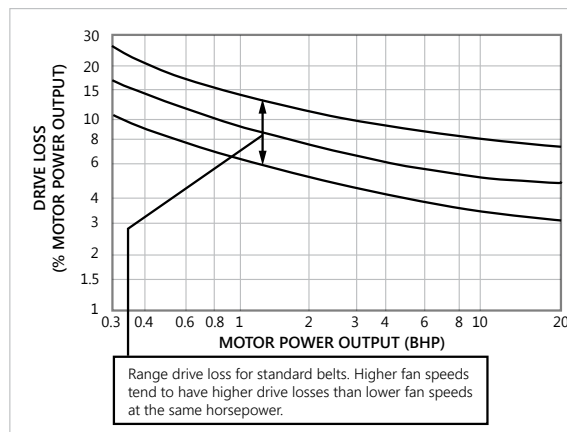
CENTREX REX | BELT DRIVE

Estimated Belt Drive Losses

The AMCA 203 Review Committee has developed the chart shown here for the purpose of estimating belt drive losses. To calculate total BHP (including drive losses): Find the BHP of your operating point on the X-Axis of the chart. Follow the vertical line to the lines indicating the range of drive losses. Look at the Y-Axis on the left and find the drive loss percentage. Calculate the total BHP by adding the drive loss percentage to the operating point BHP. For BHP's below .3, use 30%.



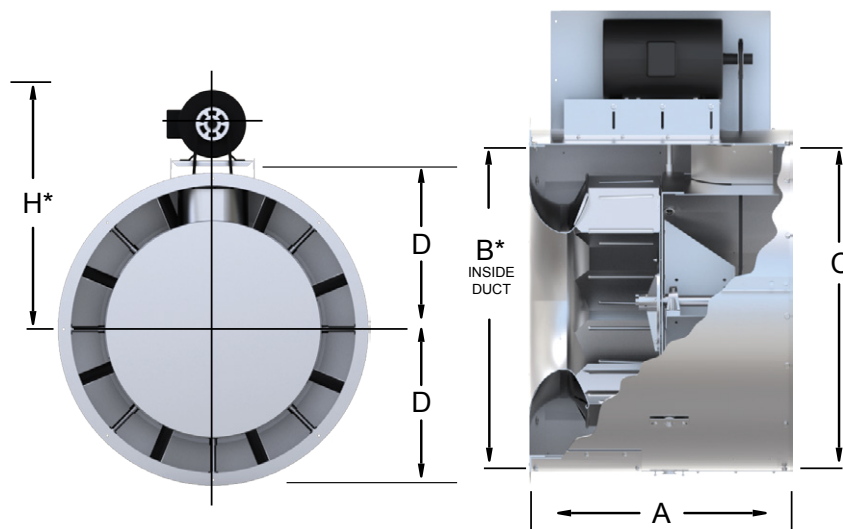
Drive Loss Reference Chart



Belt Drive Centrex REX

For totally enclosed, explosion proof, multi-speed and all 1.0 Service Factor motors, fan BHP plus drive losses should not exceed motor rated HP. Graph reprinted from AMCA publication 203, with the express written permission from the Air Movement and Control Association, Inc., 30 West University Drive, Arlington Heights, IL 60004-1983.

DIMENSIONAL DATA | BELT DRIVE



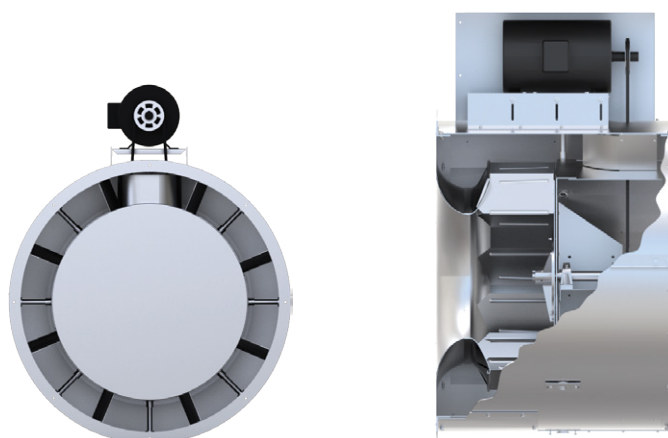
Belt Drive Centrex REX

Model	A	B	C	D	H*
REX12B	23	19	21 3/8	10 11/16	23 11/16
REX14B	25	23	25 3/8	12 11/16	25 1/2
REX20B	30	27 3/4	30 1/8	15 1/16	29
REX22B	32	33 1/4	35 5/8	17 13/16	33
REX27B	36	40 1/2	43 1/4	21 5/8	41
REX33B	38	49 1/2	52 3/4	26 3/8	46

**Maximum for open motors and highest HP available for that size. All dimensions in inches.*

Model	Wheel Size	Inlet and Outlet
REX12B	Diameter = 13.50" Circumference = 3.53"	Inside Diameter = 19" Fan Outlet Area = 1.97 sq. ft.
REX14B	Diameter = 16.50" Circumference = 3.53"	Inside Diameter = 23" Fan Outlet Area = 2.88 sq. ft.
REX20B	Diameter = 20" Circumference = 5.23"	Inside Diameter = 27.75" Fan Outlet Area = 4.20 sq. ft.
REX22B	Diameter = 24.50" Circumference = 6.41"	Inside Diameter = 33.25" Fan Outlet Area = 6.03 sq. ft.
REX27B	Diameter = 30.50" Circumference = 7.98"	Inside Diameter = 40.50" Fan Outlet Area = 8.94 sq. ft.
REX33B	Diameter = 36.50" Circumference = 9.55"	Inside Diameter = 49.50" Fan Outlet Area = 13.36 sq. ft.

REX12B | BELT DRIVE



Tip Speed

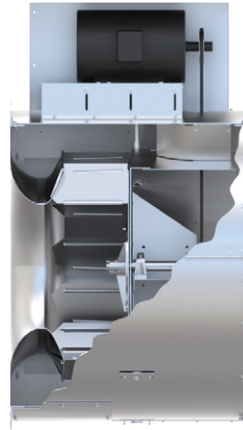
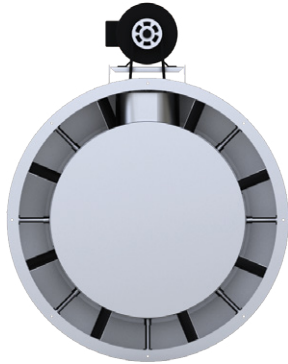
3.53 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.000" S.P.		0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
800	981	0.075	687	0.059	374	0.047	-	-	-	-	-	-	-	-	-	-	-	-
1020	1251	0.155	1036	0.137	775	0.115	525	0.099	285	0.094	-	-	-	-	-	-	-	-
1040	1276	0.164	1066	0.145	812	0.123	560	0.106	334	0.101	12	0.083	-	-	-	-	-	-
1300	1595	0.321	1432	0.297	1251	0.274	1041	0.244	828	0.217	650	0.203	472	0.199	247	0.189	-	-
1320	1619	0.336	1459	0.312	1281	0.288	1076	0.259	867	0.230	683	0.214	518	0.209	301	0.201	31	0.171
1370	1680	0.375	1527	0.351	1357	0.326	1163	0.296	962	0.265	773	0.244	621	0.235	428	0.230	203	0.214
1420	1742	0.418	1595	0.393	1432	0.367	1249	0.337	1055	0.305	862	0.278	705	0.265	546	0.260	345	0.251
1530	1877	0.523	1742	0.496	1594	0.468	1431	0.438	1253	0.404	1073	0.369	899	0.344	755	0.331	611	0.325
1600	1963	0.598	1834	0.569	1694	0.540	1544	0.511	1374	0.475	1203	0.439	1030	0.407	876	0.386	748	0.376
1670	2048	0.680	1925	0.650	1793	0.620	1650	0.589	1493	0.554	1329	0.516	1164	0.479	1002	0.450	864	0.433
1900	2330	1.001	2222	0.967	2109	0.933	1990	0.899	1863	0.864	1724	0.823	1580	0.780	1436	0.738	1290	0.697
1960	2404	1.099	2299	1.064	2191	1.029	2076	0.993	1953	0.958	1823	0.918	1684	0.874	1544	0.829	1403	0.786

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)											
	1.125" S.P.		1.250" S.P.		1.375" S.P.		1.500" S.P.		1.750" S.P.		2.000" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1420	103	0.223	-	-	-	-	-	-	-	-	-	-
1530	427	0.318	221	0.298	-	-	-	-	-	-	-	-
1600	597	0.371	419	0.362	216	0.338	-	-	-	-	-	-
1670	747	0.425	591	0.421	418	0.410	222	0.383	-	-	-	-
1900	1147	0.664	1024	0.644	917	0.632	807	0.624	513	0.608	160	0.540
1960	1262	0.748	1133	0.720	1016	0.700	917	0.691	661	0.679	359	0.644

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

REX14B | BELT DRIVE



Tip Speed

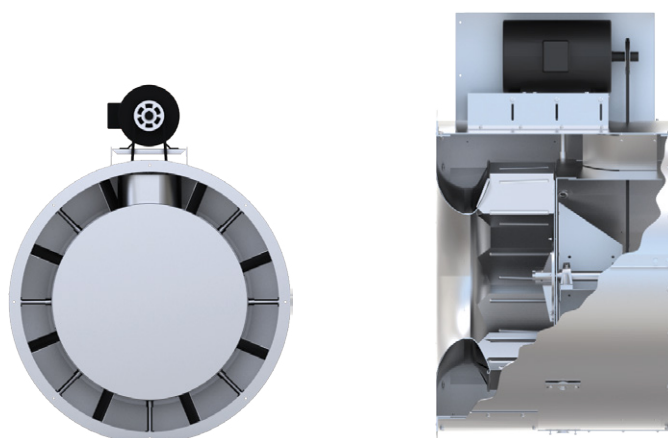
4.30 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.		1.125" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
925	1815	0.25	1505	0.22	1105	0.19	825	0.17	520	0.16	-	-	-	-	-	-	-	-
1000	2000	0.32	1740	0.29	1370	0.25	1050	0.22	820	0.21	510	0.20	-	-	-	-	-	-
1075	2185	0.40	1950	0.37	1655	0.34	1300	0.30	1040	0.27	825	0.26	535	0.25	-	-	-	-
1150	2370	0.50	2155	0.47	1900	0.43	1565	0.39	1275	0.35	1065	0.33	845	0.32	560	0.31	-	-
1225	2550	0.60	2355	0.57	2130	0.54	1850	0.49	1530	0.45	1285	0.41	1095	0.39	890	0.38	620	0.38
1300	2730	0.73	2545	0.69	2345	0.66	2105	0.62	1800	0.57	1535	0.52	1315	0.48	1140	0.47	945	0.46
1375	2910	0.86	2735	0.83	2550	0.79	2345	0.75	2085	0.70	1795	0.64	1560	0.60	1360	0.57	1200	0.55
1450	3085	1.02	2920	0.98	2750	0.94	2565	0.90	2345	0.85	2075	0.80	1810	0.74	1600	0.7	1420	0.66
1525	3260	1.19	3105	1.15	2945	1.11	2775	1.06	2580	1.02	2355	0.96	2085	0.90	1855	0.85	1655	0.81
1600	3435	1.38	3285	1.33	3135	1.29	2980	1.25	2805	1.20	2605	1.15	2370	1.09	2110	1.02	1910	0.98
1660	3575	1.54	3430	1.50	3285	1.45	3140	1.41	2975	1.36	2795	1.31	2590	1.23	2345	1.19	2110	1.12
1750	3780	1.81	3650	1.76	3510	1.72	3370	1.67	3225	1.62	3070	1.57	2885	1.52	2680	1.45	2445	1.38

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	1.250" S.P.		1.375" S.P.		1.500" S.P.		1.625" S.P.		1.750" S.P.		1.875" S.P.		2.000" S.P.		2.250" S.P.		2.500" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1300	690	0.45	355	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1375	1015	0.54	785	0.54	485	0.51	-	-	-	-	-	-	-	-	-	-	-	-
1450	1265	0.65	1095	0.64	880	0.63	625	0.61	-	-	-	-	-	-	-	-	-	-
1525	1485	0.77	1340	0.75	1180	0.74	985	0.73	765	0.72	460	0.68	-	-	-	-	-	-
1600	1720	0.93	1560	0.89	1420	0.87	1275	0.86	1095	0.85	895	0.84	645	0.81	-	-	-	-
1660	1915	1.07	1745	1.02	1605	0.99	1465	0.97	1320	0.96	1150	0.95	955	0.94	420	0.86	-	-
1750	2225	1.31	2040	1.26	1875	1.20	1725	1.17	1605	1.15	1465	1.13	1325	1.12	965	1.01	445	1.00

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

REX20B | BELT DRIVE



Tip Speed

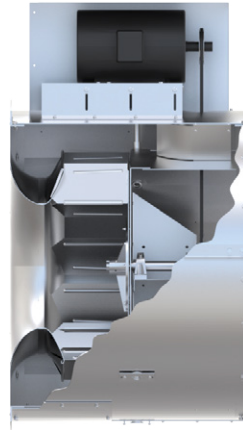
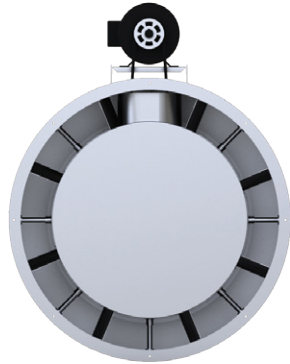
5.23 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.		1.125" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
705	2563	0.26	2275	0.27	1775	0.25	1330	0.24	-	-	-	-	-	-	-	-	-	-
770	2850	0.34	2586	0.35	2226	0.34	1739	0.32	1304	0.29	-	-	-	-	-	-	-	-
875	3306	0.50	3069	0.51	2851	0.51	2504	0.50	2038	0.47	1723	0.45	-	-	-	-	-	-
945	3606	0.63	3391	0.65	3176	0.65	2909	0.64	2568	0.62	2142	0.59	1851	0.57	777	0.32	-	-
1000	3840	0.75	3639	0.76	3429	0.80	3235	0.76	2910	0.75	2531	0.73	2190	0.70	1904	0.68	-	-
1050	4052	0.86	3859	0.88	3659	0.89	3491	0.88	3213	0.87	2921	0.86	2515	0.83	2224	0.80	1918	0.78
1110	4305	1.02	4123	1.04	3935	1.05	3754	1.06	3571	1.05	3277	1.03	2977	1.01	2602	0.97	2336	0.95
1185	4619	1.20	4449	1.26	4278	1.27	4100	1.28	3937	1.28	3724	1.26	3454	1.25	3171	1.23	2812	1.18
1270	4974	1.52	4815	1.54	4656	1.56	4490	1.57	4331	1.57	4200	1.57	3964	1.55	3712	1.54	3462	1.52
1385	5452	1.97	5307	1.99	5161	2.01	5015	2.03	4859	2.04	4716	2.00	4600	2.00	4400	2.02	4169	2.00
1480	5845	2.40	5709	2.43	5573	2.45	5436	2.46	5298	2.53	5152	2.49	5020	2.50	4914	2.50	4729	2.47
1580	6258	2.92	6131	2.95	6003	2.97	5875	2.99	5748	3.01	5615	3.03	5479	3.03	5356	3.03	5237	3.03

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	1.250" S.P.		1.375" S.P.		1.500" S.P.		1.750" S.P.		1.875" S.P.		2.000" S.P.		2.250" S.P.		2.500" S.P.		2.750" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1110	2046	0.92	945	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1185	2554	1.16	2322	1.13	1584	0.88	-	-	-	-	-	-	-	-	-	-	-	-
1270	3117	1.48	2838	1.44	2626	1.41	1395	0.93	-	-	-	-	-	-	-	-	-	-
1385	3967	1.98	3683	1.96	3368	1.91	2915	1.84	2726	1.80	2417	1.74	-	-	-	-	-	-
1480	4515	2.45	4296	2.43	4096	2.41	3523	2.31	3296	2.27	3114	2.25	2680	2.17	-	-	-	-
1580	5099	3.01	4910	2.99	4698	2.97	4330	2.92	4000	2.87	3752	2.81	3366	2.74	3003	2.68	1500	1.63

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

REX22B | BELT DRIVE



Tip Speed

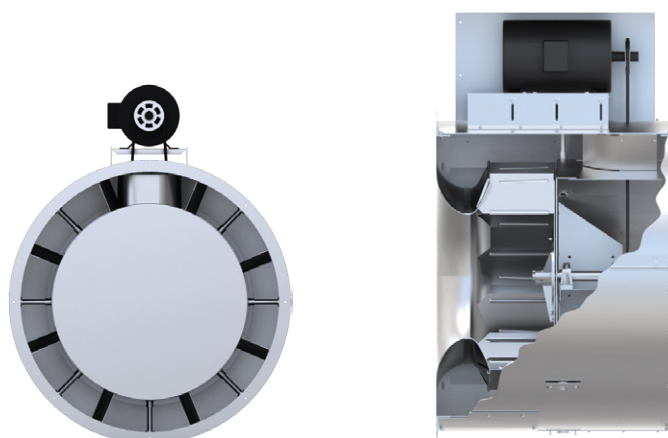
6.41 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.		1.125" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
590	3372	0.38	2910	0.38	2313	0.36	1498	0.31	-	-	-	-	-	-	-	-	-	-
655	3821	0.52	3437	0.52	2968	0.51	2367	0.49	1592	0.41	-	-	-	-	-	-	-	-
745	4430	0.75	4116	0.76	3757	0.76	3322	0.75	2801	0.72	2158	0.66	-	-	-	-	-	-
765	4564	0.82	4264	0.83	3922	0.83	3505	0.82	3021	0.79	2437	0.74	1685	0.62	-	-	-	-
835	5031	1.06	4774	1.07	4461	1.08	4121	1.07	3735	1.06	3278	1.03	2742	0.98	2128	0.88	-	-
900	5461	1.32	5224	1.34	4949	1.35	4658	1.35	4316	1.34	3945	1.32	3521	1.29	3023	1.23	2465	1.14
965	5888	1.63	5667	1.65	5428	1.66	5157	1.66	4877	1.66	4544	1.65	4189	1.63	3794	1.59	3336	1.53
1010	6183	1.86	5972	1.88	5755	1.90	5496	1.90	5237	1.90	4938	1.89	4620	1.88	4259	1.85	3882	1.82
1060	6510	2.15	6308	2.17	6107	2.19	5868	2.20	5622	2.20	5367	2.20	5064	2.18	4760	2.17	4403	2.13
1130	6965	2.60	6777	2.63	6588	2.65	6382	2.66	6151	2.66	5920	2.67	5670	2.66	5385	2.65	5101	2.63
1210	7484	3.19	7308	3.22	7132	3.24	6955	3.27	6745	3.27	6529	3.27	6313	3.27	6079	3.27	5813	3.25
1300	8066	3.96	7902	3.98	7738	4.01	7574	4.03	7402	4.05	7201	4.06	6999	4.06	6798	4.06	6589	4.06

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	1.250" S.P.		1.375" S.P.		1.500" S.P.		1.750" S.P.		1.875" S.P.		2.000" S.P.		2.250" S.P.		2.500" S.P.		2.750" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
965	2832	1.44	2232	1.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1010	3427	1.75	2940	1.65	2373	1.48	-	-	-	-	-	-	-	-	-	-	-	-
1060	4039	2.10	3603	2.02	3143	1.92	-	-	-	-	-	-	-	-	-	-	-	-
1130	4770	2.59	4433	2.56	4045	2.49	3182	2.27	2668	2.08	-	-	-	-	-	-	-	-
1210	5547	3.23	5255	3.20	4940	3.16	4240	3.03	3858	2.94	3430	2.80	-	-	-	-	-	-
1300	6341	4.04	6094	4.02	5846	4.00	5264	3.92	4968	3.87	4612	3.78	3875	3.55	2986	3.12	-	-

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

REX27B | BELT DRIVE



Tip Speed

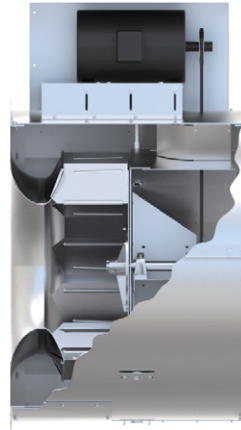
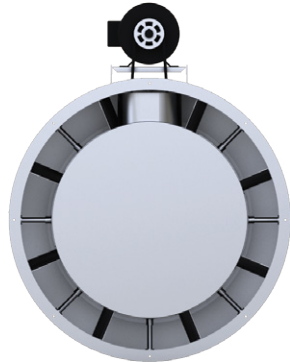
7.98 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.		1.125" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
445	5760	0.55	5080	0.57	4185	0.55	2430	0.42	-	-	-	-	-	-	-	-	-	-
505	6685	0.79	6170	0.83	5460	0.84	4595	0.79	3090	0.65	-	-	-	-	-	-	-	-
550	7375	1.01	6915	1.05	6315	1.08	5675	1.07	4715	0.99	3230	0.82	-	-	-	-	-	-
630	8570	1.51	8160	1.55	7755	1.60	7195	1.63	6660	1.61	5935	1.56	4910	1.42	3470	1.18	-	-
690	9455	1.97	9085	2.01	8710	2.07	8310	2.12	7775	2.14	7295	2.12	6640	2.05	5790	1.94	4705	1.75
790	10915	2.92	10610	3.00	10275	3.04	9975	3.12	9615	3.17	9155	3.20	8700	3.22	8280	3.17	7715	3.10
865	12005	3.82	11735	3.91	11430	3.96	11130	4.02	10860	4.11	10525	4.17	10105	4.19	9690	4.22	9270	4.25
940	13090	4.87	12845	4.99	12580	5.07	12295	5.11	12020	5.18	11775	5.28	11465	5.34	11115	5.39	10700	5.40
1005	14025	5.94	13800	6.06	13560	6.16	13295	6.21	13035	6.28	12780	6.35	12550	6.46	12260	6.53	11935	6.58
1075	15030	7.25	14820	7.38	14600	7.50	14370	7.59	14120	7.63	13880	7.70	13640	7.79	13430	7.91	13155	7.98
1130	15820	8.40	15625	8.55	15415	8.67	15200	8.78	14960	8.82	14730	8.89	14505	8.98	14275	9.07	14075	9.20
1180	16540	9.55	16350	9.71	16155	9.84	15950	9.96	15735	10.05	15505	10.08	15285	10.17	15065	10.26	14885	10.40

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	1.250" S.P.		1.375" S.P.		1.500" S.P.		1.750" S.P.		2.000" S.P.		2.250" S.P.		2.500" S.P.		2.750" S.P.		3.000" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
690	3680	1.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
790	7030	2.99	6160	2.81	5140	2.56	-	-	-	-	-	-	-	-	-	-	-	-
865	8870	4.14	8320	4.05	7690	3.93	6055	3.50	3590	2.63	-	-	-	-	-	-	-	-
940	10320	5.44	9990	5.37	9550	5.30	8465	5.07	7070	4.67	4940	3.83	-	-	-	-	-	-
1005	11545	6.59	11185	6.63	10825	6.66	10085	6.44	9055	6.20	7690	5.73	5935	5.00	2295	3.10	-	-
1075	12860	8.04	12495	8.05	12160	8.09	11490	8.16	10795	7.89	9850	7.64	8635	7.18	7195	6.56	6325	6.13
1130	13815	9.27	13530	9.33	13180	9.35	12545	9.42	11975	9.32	11210	9.12	10300	8.85	9140	8.37	7825	7.76
1180	14655	10.49	14400	10.57	14130	10.63	13490	10.68	12880	10.76	12320	10.57	11555	10.34	10660	10.04	9540	9.53

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

REX33B | BELT DRIVE



Tip Speed

9.55 x RPM

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	0.125" S.P.		0.250" S.P.		0.375" S.P.		0.500" S.P.		0.625" S.P.		0.750" S.P.		0.875" S.P.		1.000" S.P.		1.125" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
485	10799	1.89	10067	1.96	9507	2.06	8915	2.10	8033	2.07	5573	1.64	720	0.58	-	-	-	-
515	11567	2.27	10850	2.33	10280	2.43	9787	2.50	9094	2.50	8146	2.45	5462	1.87	-	-	-	-
535	12078	2.55	11370	2.58	10800	2.70	10318	2.79	9740	2.82	8948	2.78	7207	2.42	3927	1.60	-	-
570	12964	3.09	12278	3.09	11705	3.20	11237	3.33	10781	3.43	10156	3.40	9345	3.35	7520	2.88	4455	2.02
600	13727	3.62	13056	3.59	12486	3.70	12008	3.84	11585	3.93	11101	3.99	10444	3.96	9621	3.88	7558	3.26
640	14743	4.39	14090	4.35	13529	4.46	13043	4.59	12627	4.70	12240	4.83	11745	4.91	11116	4.80	10320	4.70
710	16510	6.01	15890	5.95	15346	5.91	14867	6.10	14439	6.28	14063	6.37	13710	6.50	13324	6.83	12823	6.60
760	17774	7.40	17167	7.32	16641	7.30	16169	7.42	15739	7.58	15360	7.76	15012	7.89	14682	7.99	14330	8.14
805	18910	8.81	18306	8.70	17803	8.65	17336	8.74	16913	8.82	16524	9.08	16179	9.24	15864	9.38	15543	9.50
850	20043	10.39	19450	10.27	18959	10.21	18502	10.25	18084	10.36	17696	10.55	17341	10.75	17021	10.91	16726	11.06
885	20924	11.74	20339	11.60	19856	11.54	19470	11.54	18992	11.60	18610	11.78	18251	11.99	17929	12.20	17624	12.37
930	22054	13.65	21481	13.48	21005	13.39	20569	13.34	20159	13.36	19781	13.58	19425	13.80	19092	13.98	18792	14.19

RPM	Fan Capacity - Cubic Feet Per Minute (CFM)																	
	1.250" S.P.		1.375" S.P.		1.500" S.P.		1.750" S.P.		2.000" S.P.		2.250" S.P.		2.500" S.P.		2.750" S.P.		3.000" S.P.	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
600	4600	2.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
640	8662	4.16	6264	3.42	2138	1.78	-	-	-	-	-	-	-	-	-	-	-	-
710	12236	6.55	11515	6.44	10297	6.04	5451	3.86	-	-	-	-	-	-	-	-	-	-
760	13881	8.09	13360	8.05	12789	7.98	10432	7.07	5954	4.80	-	-	-	-	-	-	-	-
805	15214	10.15	14806	10.33	14326	9.59	13165	9.42	10630	8.12	6145	5.60	-	-	-	-	-	-
850	16423	11.19	16119	11.29	15774	11.35	14820	11.25	13675	11.03	10792	9.30	6608	6.69	-	-	-	-
885	17345	12.48	17052	12.63	16757	12.74	15976	12.76	15050	12.63	13640	12.26	10556	10.19	6177	7.02	-	-
930	18504	14.35	18238	14.45	17960	14.59	17357	14.86	16559	14.78	15635	14.62	14191	14.17	11149	11.85	7160	8.70

Performance shown is for installation type A - Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances in the airstream. The AMCA Certified Ratings Seal applies to air performance only.

PENNBARRY PRODUCT SOLUTIONS



Commercial

- Roof & wall exhaust centrifugal fans
- Ceiling, wall, & inline centrifugal fans
- Roof supply centrifugal fans
- Square & round centrifugal fans
- Wall mounted axial fans
- Hooded roof axial fans
- Upblast roof axial fans
- Gravity ventilators
- Roof curbs



Industrial

- Freestanding centrifugal fans
- Industrial & material handling fans
- Tubular centrifugal inline fans
- Mixed flow centrifugal fans
- Plug & plenum fans
- Wall mounted propeller fans
- Tube axial fans
- Vane axial fans
- Bifurcator fans
- Lab exhaust



Kitchen ventilation

- Make-up air units
- Exhaust fans



Energy recovery

- Outdoor units
- Indoor units

PennBarry is proud to be your preferred manufacturer of commercial and industrial fans and blowers. Learn how PennBarry can assist you in your next application by contacting your PennBarry Representative or visiting us on the web at www.pennbarry.com

PennBarry | www.pennbarry.com | pennbarrysales@pennbarry.com | Tel 972 212 4700 | Fax 972 212 4702

PennBarry reserves the right to make changes at any time, without notice, to models, construction, specifications, options and availability. This document illustrates the appearance of PennBarry products at the time of publication. View the latest updates on the PennBarry website.

© 2018 PennBarry. All rights reserved. ROUND CENTREX SEPTEMBER 2018.



PENNBARRY™