



Roof Exhauster Series "BRE"

Application & Standard Features

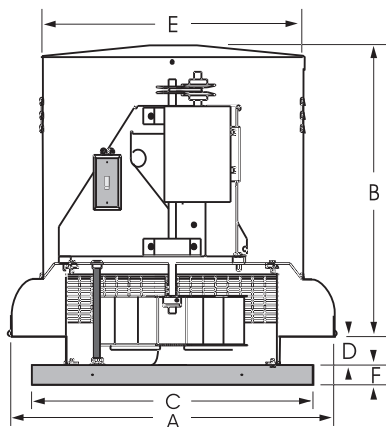
- Sturdy construction, belt driven for industrial and commercial applications
- Spun Aluminum Exterior
- Non-overloading, backward inclined aluminum wheel
- Neoprene Vibration Isolators
- Adjustable Motor Base for maintaining proper belt tension
- Heavy duty sheaves and belts out of air stream
- Deep spun inlet cone for optimum air performance
- Welded Fan Base for rigidity and weather protection

Options

- ☐ Steel fan blades
- ☐ Two speed motors
- ☐ Explosion proof motors
- ☐ Special coatings
- ☐ Birdscreen

Accessories

- Roof curbs
- Disconnects
- Carbon monoxide detectors



FAN SIZE	ROOF OPENING	CURB OD	A	B	C	D	E	F	SHIP WT
18	24-3/4	27-3/4	32-1/4	24.00	29-1/2	4-1/2	26-1/4	2-1/2	160
20	24-3/4	27-3/4	36-3/4	24-1/2	29-1/2	4-1/2	26-1/4	2-1/2	215
24	30-3/4	33-3/4	41-1/4	26-1/2	35-3/4	8-1/2	30	2-1/2	290
30	37-1/4	40-3/4	58-3/8	37.0	42-1/2	5-1/2	41	2-1/2	465
36	37-1/4	40-3/4	58-3/8	37.0	42-1/2	10.0	41.0	2-1/2	475
42	50-1/4	53-1/4	73.00	40-1/2	55.00	10.00	54-5/8	2-1/2	700
48	50-1/4	53-1/4	73.00	40-1/2	55.00	13.00	54-5/8	2-1/2	830

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Sourcetek Roof Exhauster "BRE" Series

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Performance Chart

MODEL NO	FAN WHEEL SIZE	MOTOR HP	FAN RPM	CFM and BHP @ STATIC PRESSURE SHOWN									
				0"		1/4"		1/2"		3/4"		1"	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
BRE-18	18"	1/2	895	3397	0.43	2986	0.45	2437	0.44	-	-	-	-
		3/4	1030	3910	0.66	3565	0.68	3135	0.68	2585	0.65	-	-
		1.0	1165	4422	0.95	4123	0.98	3770	0.98	3356	0.98	2824	0.93
		1.5	1255	4764	1.19	4488	1.22	4176	1.23	3808	1.23	3386	1.21
		2.0	1435	5447	1.78	5208	1.82	4951	1.84	4656	1.85	4327	1.84
BRE-20	20"	1/2	730	3910	0.42	3438	0.48	2757	0.45	1438	0.35	-	-
		3/4	840	4500	0.64	4106	0.67	3599	0.7	2886	0.67	1594	0.52
		1.0	950	5089	0.92	4748	0.96	4335	0.99	3834	0.99	3133	0.96
		1.5	1065	5705	1.30	5405	1.35	5065	1.29	4655	1.42	4173	1.42
		2.0	1175	6294	1.74	6024	1.80	5730	1.85	5384	1.89	4999	1.99
BRE-24	24"	3/4	610	6073	0.57	5282	0.63	3702	0.57	-	-	-	-
		1.0	680	6770	0.80	6077	0.86	5117	0.87	3051	0.70	-	-
		1.5	785	7816	1.22	7235	1.30	6545	1.35	5479	1.32	3518	1.07
		2.0	855	8513	1.58	7968	1.66	7380	1.73	6587	1.74	5077	1.56
		3.0	960	9558	2.24	9099	2.33	8576	2.41	7998	2.47	7211	2.46
BRE-30	30"	1.0	515	8916	0.97	7775	1.0	6215	1.0	3571	0.82	-	-
		1.5	590	10214	1.46	9257	1.55	8030	1.54	6472	1.48	3860	1.21
		2.0	625	10820	1.73	9928	1.84	8817	1.85	7460	1.8	6497	1.62
		3.0	715	12378	2.59	11617	2.68	10724	2.75	9660	2.76	8434	2.69
		5.0	840	14542	4.2	13907	4.31	13199	4.40	12936	4.48	11485	4.48
BRE-36	36"	1.0	370	10562	0.87	8521	0.91	3321	0.57	-	-	-	-
		1.5	430	12275	1.37	10623	1.43	7583	1.26	-	-	-	-
		2.0	470	13416	1.79	11931	1.86	9774	1.79	6170	1.44	-	-
		3.0	535	15272	2.64	14015	2.73	12489	2.74	9739	2.47	6406	2.03
		5.0	640	18269	4.52	17275	4.64	16072	4.69	14727	4.69	12509	4.37
BRE-42	42"	1.0	290	13691	0.92	10034	0.94	-	-	-	-	-	-
		1.5	325	15343	1.29	12411	1.36	-	-	-	-	-	-
		2.0	370	17468	1.91	15097	2.01	10756	1.81	-	-	-	-
		3.0	400	18884	2.41	16818	2.54	13399	2.44	-	-	-	-
		5.0	485	22897	4.29	21297	4.47	19089	4.53	16014	4.33	10779	3.51
BRE-48	48"	1.5	280	16891	1.68	12732	1.59	-	-	-	-	-	-
		2.0	290	17494	1.87	13535	1.78	-	-	-	-	-	-
		3.0	325	19605	2.63	16186	2.56	11250	2.21	-	-	-	-
		5.0	395	23828	4.72	21094	4.68	17926	4.46	13412	3.92	-	-
		7.5	455	27447	7.21	25097	7.19	22551	7.03	19514	6.67	15351	5.98

NOTE: BHP does not include drive losses

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