



MODEL TXB-UL762

UPBLAST BELT DRIVE

CENTRIFUGAL ROOF EXHAUSTER

FOR RESTAURANT AND GENERAL EXHAUST



CENTRIFUGAL ROOF & WALL EXHAUSTERS

APPLICATION

Isolation of motor and drive components from the air stream and the high velocity vertical air discharge make the model TXB-UL762 ideally suited for the removal of dirty, contaminated and/or high temperature air from processes and buildings. Typical applications include restaurant hoods and similar kitchen exhaust ventilation, fume and smoke removal, laboratory fume hood exhaust and chemical process exhaust.

For grease removal applications the fan must be installed per NFPA 96 and with a 40" discharge height and hinged access base.

CONSTRUCTION

Housing

- Heavy-gauge aluminum housing and prepunched galvanized steel curb cap.
- Enclosed, ventilated motor/drive compartment isolates motor and drives from exhaust air.
- The motor compartment housing easily removes for complete maintenance access.
- Water-tight conduit tube for easy electrical connection without having to wire through the breather tube.
- External weather proof disconnect is included on standard models.

Centrifugal Wheel

- Nonoverloading backward inclined for safe operation in ducted systems.
- Heavy aluminum hub for extra strength.
- Statically and dynamically balanced for smooth, quiet operation.

DIMENSIONAL DATA

MODEL TXB	A	B	C	D	E	ROOF OPENING	Average Ship Wt. Lbs.
8	16 1/2	24	24	27	1 3/4	11 3/4	69
10	16 1/2	27	26	29	1 3/4	11 3/4	69
12/15	24	31 1/2	26	28 3/4	2 1/2	19 1/4	93
16	24	31 1/2	26	28 3/4	2 1/2	19 1/4	93
18/20	29 1/2	37 3/4	28 1/2	31 3/4	2 1/2	24 3/4	120
24	35 1/2	47 1/4	31 1/2	41	2 1/2	30 3/4	245
30	42 1/2	56 3/4	42 1/2	44	2 1/2	37 3/4	365
36	42 1/2	66	47 1/2	46	2 1/2	37 3/4	365
42	55	72 1/2	49 1/4	51 1/2	2 1/2	50 1/4	385
48	55	78 3/4	53	55	2 1/2	50 1/4	490

Motors

- Single speed drip-proof motors are provided on standard models.
- All motors are rated for continuous duty.
- Disconnect switch is standard with single speed drip-proof motor.

Drives

- Sized for minimum 150% of drive horse power.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.
- Static resistant v-belt.

Bearings

- Heavy-duty cast pillow block ball bearing type.
- Prelubricated with zerk fitting.
- Designed for 200,000 hour average life.

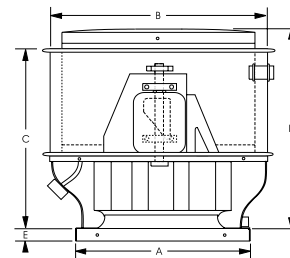
AMCA SEAL



Soler & Palau USA, certifies that the Models TXB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.



LISTED POWER ROOF VENTILATOR
UL STANDARD 705
UL STANDARD 762



MODEL TXB	RECOMMENDED 12" HIGH MOUNTING CURB (1)		18" HIGH MOUNTING CURB	RECOMMENDED DAMPER		FAN LESS MOTOR & DRIVE
	OD	STOCK NO.	STOCK NO.	OD	STOCK NO.	STOCK NO.
8	15	611214	621815 V	11	411011	TXB08RHULLMDS
10	15	611214	621815 V	11	411011	TXB10RHULLMDS
12/15	22 1/2	611222	621823 V	18	411018	TXB12RHULLMDS/TXB15RHULLMDS
16	22 1/2	611222	621823 V	18	411018	TXB16RHULLMDS
18/20	27 3/4	611227	621828 V	24	411024	TXB18RHULLMDS/TXB20RHULLMDS
24	33 3/4	611233	621834 V	30	411030	TXB24RHULLMDS
30	40 3/4	611240	621841 V	36	611036	TXB30RHULLMDS (3)
36	40 3/4	611240	621841 V	36	611036	TXB36RHULLMDS (3)
42	53 1/4	611253	621854 V	48	611048	TXB42RHULLMDS (3)
48	53 1/4	611253	621854 V	48	611048	TXB48RHULLMDS (3)

1 - RESTAURANT CURBS MUST BE 18" HIGH MINIMUM PER NFPA-96.

2 - DO NOT USE DAMPER FOR FANS IN GREASE REMOVAL APPLICATIONS PER NFPA 96.

3 - MAXIMUM 3 HP MOTOR - CONTACT FACTORY FOR 5 HP CONSTRUCTION.

ALL DIMENSIONS IN INCHES, WEIGHTS IN POUNDS. OD IS OUTSIDE DIMENSION OF SQUARE CURB AND DAMPER.

DUE TO CONTINUING RESEARCH, SOLER & PALAU RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

MODEL TXB-UL762					Upblast Belt Drive Centrifugal Restaurant Roof Exhauster								Ventilator with Open Drip-proof Motor and Drive Assembly	
Model TXB	Motor Hp	Max. BHP	RPM	Sones @ 1/4 SP	CFM at Static Pressure								115/160*	208-230/460/3/60
					0	1/4	3/8	1/2	5/8	3/4	1	1 1/4	Stock No.	Stock No.
8	1/4	0.10	1520	9.8	818	681	628	526	384	-	-	-	TXB08RHULMLIS	N/A
	1/4	0.22	1995	15.9	1074	955	912	875	834	766	583	-	TXB08RHULMHIS	N/A
	1/3	0.33	2270	19.9	1222	1111	1070	1034	1001	969	858	697	TXB08RHULPHIS	N/A
10	1/4	0.24	1365	11.2	1339	1146	1033	903	750	558	-	-	TXB10RHULMHIS	TXB10RHULMH3S
	1/3	0.34	1530	13.9	1501	1334	1238	1133	1015	881	530	-	TXB10RHULPHIS	TXB10RHULPH3S
	1/2	0.52	1765	18.4	1731	1589	1511	1428	1338	1240	1015	727	TXB10RHULQHIS	TXB10RHULQH3S
12	1/4	0.24	1365	13.7	1507	1353	1281	1201	1107	996	703	-	TXB12RHULMHIS	TXB12RHULMH3S
	1/3	0.35	1645	17.0	1652	1509	1446	1378	1302	1215	-	-	TXB12RHULPHIS	TXB12RHULPH3S
	1/2	0.54	1890	23	1898	1769	1715	1659	1600	1537	1390	1211	TXB12RHULQHIS	TXB12RHULQH3S
15	1/4	0.25	995	11.1	2167	2015	1672	1458	1170	572	-	-	TXB15RHULMHIS	TXB15RHULMH3S
	1/3	0.33	1095	13.5	2385	2103	1947	1774	1570	1305	-	-	TXB15RHULPHIS	TXB15RHULPH3S
	1/2	0.50	1255	17.8	2733	2490	2361	2223	2074	1906	1462	-	TXB15RHULQHIS	TXB15RHULQH3S
	3/4	0.75	1435	22	3125	2914	2804	2690	2571	2444	2155	1782	TXB15RHULRHIS	TXB15RHULRH3S
	1	1.02	1590	26	3463	3273	3175	3075	2972	2864	2631	2362	TXB15RHULSHIS	TXB15RHULSH3S
16	1/2	0.51	1000	15.5	3270	2986	2820	2628	2414	2161	1105	-	TXB16RHULQHIS	TXB16RHULQH3S
	3/4	0.71	1110	19.0	3629	3367	3249	3073	2906	2716	2243	-	TXB16RHULRHIS	TXB16RHULRH3S
	1	0.98	1235	23	4038	3794	3693	3574	3410	3261	2902	2469	TXB16RHULSHIS	TXB16RHULSH3S
18	1/2	0.50	940	12.5	3382	3058	2886	2696	2488	2243	-	-	TXB18RHULQHIS	TXB18RHULQH3S
	3/4	0.74	1075	16.0	3868	3584	3442	3288	3123	2950	2786	-	TXB18RHULRHIS	TXB18RHULRH3S
	1	1.04	1200	19.4	4318	4063	3937	3808	3668	3521	3201	2816	TXB18RHULSHIS	TXB18RHULSH3S
	1 1/2	1.49	1350	24	4857	4630	4518	4406	4291	4169	3906	3621	TXB18RHULTHIS	TXB18RHULTH3S
20	1/2	0.54	775	12.5	4152	3666	3392	3054	2554	1910	-	-	TXB20RHULQHIS	TXB20RHULQH3S
	3/4	0.77	875	15.7	4688	4264	4034	3784	3482	3067	1902	-	TXB20RHULRHIS	TXB20RHULRH3S
	1	1.07	975	19.1	5224	4848	4646	4436	4208	3944	3175	2072	TXB20RHULSHIS	TXB20RHULSH3S
	1 1/2	1.60	1115	24	5974	5649	5477	5300	5116	4923	4470	3808	TXB20RHULTHIS	TXB20RHULTH3S
24	1/3	0.33	495	8.0	4555	3731	3018	-	-	-	-	-	TXB24RHULPHIS	TXB24RHULPH3S
	1/2	0.50	565	10.3	5199	4519	4063	3346	-	-	-	-	TXB24RHULQHIS	TXB24RHULQH3S
	3/4	0.75	650	13.6	5981	5413	5072	4661	4099	2979	-	-	TXB24RHULRHIS	TXB24RHULRH3S
	1	1.03	720	16.6	6626	6123	5835	5509	5124	4623	-	-	TXB24RHULSHIS	TXB24RHULSH3S
	1 1/2	1.51	820	22	7546	7113	6874	6616	6332	6010	5146	2245	TXB24RHULTHIS	TXB24RHULTH3S
	2	2.00	900	26	8282	7892	7681	7457	7216	6956	6339	5433	TXB24RHULVHIS	TXB24RHULVH3S
30	1/2	0.50	405	7.5	6240	5466	4315	-	-	-	-	-	TXB30RHULQHIS	TXB30RHULQH3S
	3/4	0.76	465	9.6	7356	6730	5973	4894	-	-	-	-	TXB30RHULRHIS	TXB30RHULRH3S
	1	1.00	510	11.5	8176	7622	7003	6221	5125	-	-	-	TXB30RHULSHIS	TXB30RHULSH3S
	1 1/2	1.51	585	14.8	9525	9055	8555	8001	7334	6495	-	-	TXB30RHULTHIS	TXB30RHULTH3S
	2	2.07	650	17.7	10680	10263	9827	9364	8855	8262	6658	-	TXB30RHULVHIS	TXB30RHULVH3S
	3	3.00	735	22	12177	11812	11437	11047	10637	10199	9152	7730	N/A	TXB30RHULWH3S
	5	5.05	875	28	14623	14319	14011	13696	13373	13040	12332	11522	N/A	TXB30RHULXH3S
36	3/4	0.75	355	7.7	10252	8369	6717	-	-	-	-	-	TXB36RHULRHIS	TXB36RHULRH3S
	1	1.03	395	9.4	11407	9844	8611	6793	-	-	-	-	TXB36RHULSHIS	TXB36RHULSH3S
	1 1/2	1.53	450	12.0	12996	11710	10832	9685	8075	6094	-	-	TXB36RHULTHIS	TXB36RHULTH3S
	2	2.04	495	14.2	14295	13165	12449	11560	10483	8988	-	-	TXB36RHULVHIS	TXB36RHULVH3S
	3	3.03	565	17.7	16317	15361	14795	14146	13377	12455	9936	-	N/A	TXB36RHULWH3S
	5	5.05	670	24	19349	18568	18131	17654	17131	16548	15128	13471	N/A	TXBRHULXH3S
42	1 1/2	1.49	330	13.1	17005	14449	12322	9513	-	-	-	-	TXB42RHULTHIS	TXB42RHULTH3S
	2	2.01	365	15.1	18809	16553	15207	12488	10337	6123	-	-	TXB42RHULVHIS	TXB42RHULVH3S
	3	2.86	410	17.7	21128	19154	18055	16774	14170	12073	-	-	N/A	TSB42RHULWH3S
	5	5.04	495	23	25508	23901	23052	22152	21173	19975	15519	12017	N/A	TXB42RHULXH3S
48	2	2.04	300	8.8	20670	17694	15399	11849	-	-	-	-	TXB48RHULVHIS	TXB48RHULVH3S
	3	2.98	340	11.0	23426	20771	19458	17054	14121	9830	-	-	N/A	TXB48RHULWH3S
	5	5.05	405	15.5	27904	25598	24574	23485	21877	19631	13520	-	N/A	TXB48RHULXH3S

Power ratings (BHP) do not include transmission losses.

Performance certified is for installation type A-free inlet, free outlet. Performance ratings include the effects of birdscreen in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for installation Type A-Free inlet fan sone levels.

*Tri-voltage (115-208-230) is standard on 3/4 through 1 1/2 Hp Single phase motors. Tri-voltage is available for the 1/2 Hp motors. Inquire for price and delivery.

575/3/60 ODP Motors are available for most motor HP's - Refer to Price List.

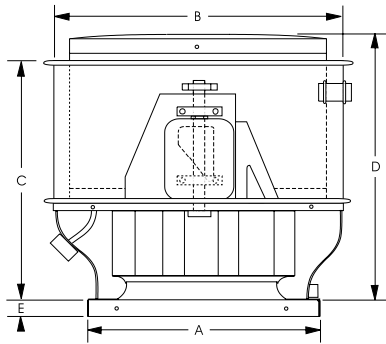


SUBMITTAL DRAWING

TXB-UL762 LISTED RESTAURANT ROOF EXHAUSTER CENTRIFUGAL UPBLAST BELT DRIVE

FAN FEATURES

- AMCA Air and Sound Licensed
- UL 705 listed
- UL 762 listed for Grease Removal
- Rainproof electrical box with wiring chase
- Heavy-gauge aluminum construction
- Nonoverloading aluminum backward inclined wheel
- Drives sized for a minimum of 150% of motor horsepower
- 1 year fan and motor warranty
- Heavy-duty 200,000 hour rated pillow block bearings
- Single piece deep spun inlet with welded corners



SIZE	METAL GAUGES					CURB CAP FLANGE
	WIND BAND	MOTOR COVER	L	BASE		
				STD/UL	RHUL	
8/10	.050	.050	.063	.063	16GA	.050
12/15/16	.050	.050	.063	.063	16GA	.050
18/20	.050	.050	.063	.080	16GA	.063
24	.050	.050	.080	.080	16GA	.080
30	.050	.050	.100	.090	16GA	.080
36	.050	.050	.100	.090	16GA	.090
42	.050	.050	.090	.100	N/A	.100
48	.050	.050	.090	.100	N/A	.100



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SIZE	DIMENSIONS (IN.)							AVG. SHIP WT. (LBS)
	A	B	C	D	E	F	G	
8	16 1/2	24	24	27	1 3/4	11 3/4	14 3/4	69
10	16 1/2	27	26	29	1 3/4	11 3/4	14 3/4	69
12/15/16	24	31 1/2	26	28 3/4	2 1/2	19 1/4	22 1/4	93
18/20	29 1/2	37 3/4	28 1/2	31 3/4	2 1/2	24 3/4	27 3/4	120
24	35 1/2	47 1/4	31 1/2	41	2 1/2	30 3/4	33 3/4	245
30	42 1/2	56 3/4	42 1/2	44	2 1/2	37 3/4	40 3/4	365
36	42 1/2	66	47 1/2	46	2 1/2	37 3/4	40 3/4	365
42	55	72 1/2	49 1/4	51 1/2	2 1/2	50 1/4	53 1/4	385
48	55	78 3/4	53	55	2 1/2	50 1/4	53 1/4	490

- A - Inside dimension of square curb cap.
- B - Outside diameter of unit.
- C - Height of exhaust opening above curb cap.
- D - Height of unit above top of curb.
- E - Depth of curb mounting flange.
- F - Recommended roof opening.
(Inside dimension of factory built prefab curb).
- G - Outside dimension of factory built prefab curb.

FAN SPECIFICATIONS										MOTOR SPECIFICATIONS				
Line	Qty.	Model No.	Tag	CFM	SP	Fan RPM	BHP	Sones	HP	Volts	Phase	Hertz	Encl	
1														
2														
3														
4														
5														

ACCESSORY ITEMS					ACCESSORY ITEMS						
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