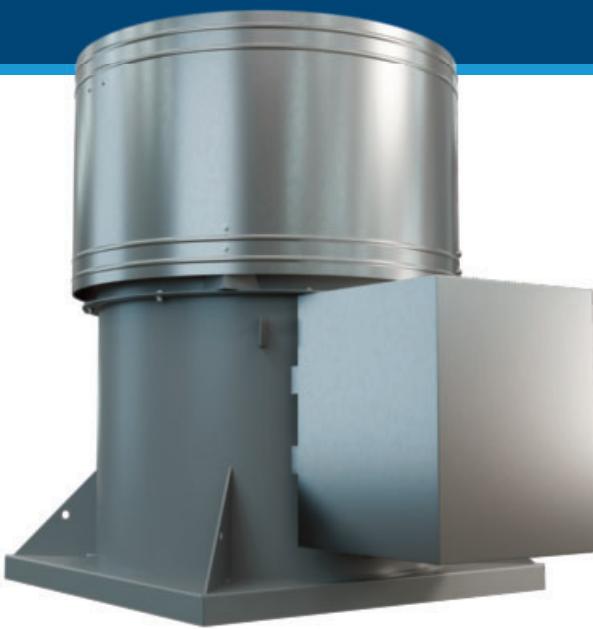


RTA - BELT DRIVE ROOF EXHAUSTERS

Belt drive, heavy duty construction ideal for industrial & commercial applications.



RTA model suitable for use in clean, dry air with a maximum ambient temperature of 93° C (200° F).

RWTA models are suitable for use in moisture laden air with a maximum ambient temperature of 93° C (200° F). They feature a Teflon shaft seal, poly housing bearings and stainless steel insert.

FEATURES

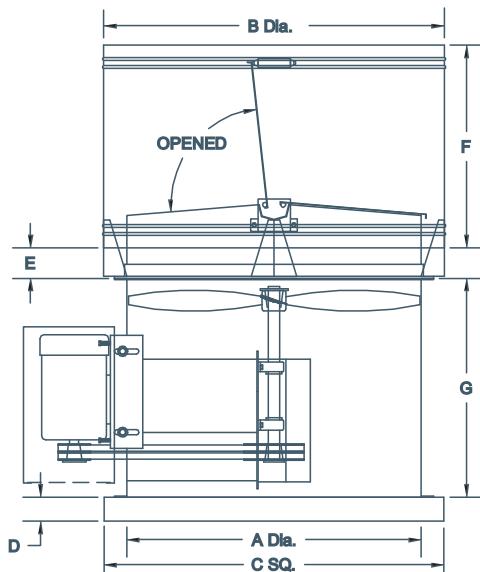
- TEFC, ball bearing motor is out of air stream and is accessible from the roof, maximum ambient temperature of 40° C (104° F).
- Galvanized steel wind-band and rain-proof butterfly dampers.
- Cast iron pillow block bearings (out of air stream), complete with external grease fittings.
- Cast aluminum blades on 12" to 48" sizes.
- Polypropylene blades reinforced with fiberglass on 54" to 60" sizes.
- Heavy duty pulleys and belts out of air stream.



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

DIMENSIONS

MODEL	A Dia.	B Dia.	C Sq.	D	E	F	G
RTA18	18 3/8"	24 5/8"	24"	2 1/2"	2	17	18
RTA24	24 3/8"	30 5/8"	30"	2 1/2"	2	19	21
RTA30	30 3/8"	36 5/8"	36"	2 1/2"	2	23	21
RTA36	36 3/8"	42 5/8"	42"	2 1/2"	2	25	27
RTA42	42 3/8"	48 5/8"	48"	2 1/2"	2	27	27
RTA48	48 1/2"	54 5/8"	54"	2 1/2"	2	30	31
RTA54	54 1/2"	60 5/8"	60"	2 1/2"	2	36	40
RTA60	60 1/2"	66 5/8"	68"	2 1/2"	2	36	40



ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.

RTA - BELT DRIVE ROOF EXHAUSTERS

SPECIFICATIONS

Single Phase

BLADE DIAMETER	MODEL #	RPM	HP	MIN CFM	dBA @ 10 ft	CFM @ STATIC PRESSURE												CFM @ STATIC PRESSURE				CFM @ STATIC PRESSURE			
						0"				1/8"				1/4"				1/2"				3/4"			
						CFM	BHP	FEI	FEPact (kW)	CFM	BHP	FEI	FEPact (kW)	CFM	BHP	FEI	FEPact (kW)	CFM	BHP	FEI	FEPact (kW)	CFM	BHP	FEI	FEPact (kW)
18"	RTA18T10075A	1556	3/4	2600	59	2794	0.45	-	-	2976	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA18T10075B	1785	3/4	2600	62	3203	0.68	-	-	3244	0.89	0.59	0.88	2815	0.85	0.65	0.84	-	-	-	-	-	-	-	-
	RTA18T10100	1920	1	2600	64	3449	0.85	0.51	0.84	3901	1.43	0.44	1.36	3653	1.45	0.50	1.37	2863	1.30	0.60	1.24	-	-	-	-
	RTA18T10150	2255	1 1/2	2600	68	4043	1.38	0.37	1.31	4368	1.95	0.37	1.80	4175	1.99	0.42	1.84	3483	1.84	0.51	1.71	2897	1.92	0.53	1.92
24"	RTA24T10075	1180	3/4	4700	58	5095	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA24T10100	1295	1	4700	61	5582	0.68	0.91	0.69	5094	0.71	1.03	0.72	-	-	-	-	-	-	-	-	-	-	-	
	RTA24T10150	1475	1 1/2	4700	65	6371	1.00	0.72	0.98	5969	1.04	0.84	1.02	5418	1.05	0.93	1.03	-	-	-	-	-	-	-	-
	RTA24T10200	1620	2	4700	67	6976	1.32	0.61	1.26	6638	1.37	0.72	1.30	6164	1.39	0.81	1.32	4848	1.35	0.90	1.29	-	-	-	-
	RTA24T10300	1890	3	4700	72	8178	2.19	0.44	2.01	7910	2.17	0.55	1.99	7486	2.19	0.63	2.01	6579	2.20	0.75	2.02	5165	2.11	0.79	1.94
30"	RTA30T10100	965	1	7300	59	8874	0.88	1.08	0.87	7942	0.94	1.18	0.93	-	-	-	-	-	-	-	-	-	-	-	
	RTA30T10150	1095	1 1/2	7300	62	10068	1.29	0.85	1.23	9266	1.36	0.97	1.30	8240	1.36	1.06	1.30	-	-	-	-	-	-	-	-
	RTA30T10200	1225	2	7300	65	11270	1.80	0.70	1.68	10618	1.87	0.82	1.74	9723	1.91	0.90	1.77	-	-	-	-	-	-	-	-
	RTA30T10300	1380	3	7300	67	12727	2.58	0.56	2.34	12106	2.66	0.66	2.41	11388	2.72	0.75	2.46	9483	2.67	0.87	2.42	-	-	-	-
36"	RTA30T10500	1635	5	7300	72	15033	4.31	0.40	3.80	14626	4.43	0.49	3.90	13989	4.48	0.56	3.94	12654	4.54	0.69	3.99	10756	4.40	0.77	3.87
	RTA36T10200	910	2	10000	63	14346	1.67	0.93	1.56	13047	1.72	1.06	1.61	11483	1.72	1.15	1.61	-	-	-	-	-	-	-	-
	RTA36T10300	1045	3	10000	66	16498	2.53	0.71	2.30	15381	2.59	0.84	2.35	14076	2.62	0.94	2.37	10528	2.44	1.04	2.22	-	-	-	-
	RTA36T10500	1245	5	10000	71	19661	4.28	0.51	3.77	18751	4.36	0.62	3.84	17655	4.40	0.71	3.87	15341	4.40	0.85	3.87	10821	3.97	0.85	3.51
42"	RTA42T10200	1205	7 1/2	14000	72	25874	6.14	0.51	5.33	27469	6.28	0.62	5.44	26215	6.39	0.72	5.53	23360	6.47	0.87	5.60	19760	6.32	0.96	5.48
	RTA42T10300	1335	10	14000	75	31680	8.34	0.42	7.15	30684	8.50	0.52	7.28	29494	8.60	0.60	7.37	27123	8.81	0.74	7.54	24259	8.76	0.85	7.50
	RTA42T10500	895	3	14000	65	21244	2.50	0.91	2.27	19639	2.61	1.05	2.37	17776	2.64	1.16	2.39	11631	2.41	1.15	2.20	-	-	-	-
	RTA42T10700	1005	5	14000	67	23874	3.55	0.73	3.16	22458	3.67	0.86	3.26	20848	3.75	0.96	3.33	17008	3.69	1.10	3.28	-	-	-	-
48"	RTA48T10200	770	2	14000	61	18272	1.60	1.20	1.50	16358	1.68	1.33	1.57	14045	1.69	1.41	1.58	-	-	-	-	-	-	-	-
	RTA48T10300	895	3	14000	65	21244	2.50	0.91	2.27	19639	2.61	1.05	2.37	17776	2.64	1.16	2.39	11631	2.41	1.15	2.20	-	-	-	-
	RTA48T10500	1005	5	14000	67	23874	3.55	0.73	3.16	22458	3.67	0.86	3.26	20848	3.75	0.96	3.33	17008	3.69	1.10	3.28	-	-	-	-
	RTA48T10700	1135	10	14000	75	31680	8.34	0.42	7.15	30684	8.50	0.52	7.28	29494	8.60	0.60	7.37	27123	8.81	0.74	7.54	24259	8.76	0.85	7.50
54"	RTA48T10300	670	3	18000	63	24932	2.77	0.96	2.50	22900	2.11	1.47	1.94	19736	2.87	1.18	2.59	-	-	-	-	-	-	-	-
	RTA48T10500	790	5	18000	67	29538	4.54	0.70	3.99	27800	4.66	0.84	4.09	25504	4.72	0.94	4.14	21029	4.68	1.07	4.11	-	-	-	-
	RTA48T10700	900	7 1/2	18000	71	33386	6.70	0.54	5.79	32200	6.85	0.67	5.92	30303	6.93	0.76	5.98	25877	6.96	0.89	6.01	-	-	-	-
	RTA48T11000	990	10	18000	73	36822	8.88	0.45	7.60	35700	9.08	0.50	7.75	34056	9.15	0.65	7.82	29829	9.33	0.77	7.97	26410	9.21	0.88	7.87
60"	RTA54T10500	710	5	23000	68	37130	4.26	-	-	34615	4.46	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA54T10700	810	7 1/2	23000	71	42890	6.20	-	-	41128	6.50	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA54T10750*	905	10	23000	74	48450	8.54	-	-	46911	8.94	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA54T11000*	1025	15	23000	78	55520	12.10	-	-	53970	12.50	-	-	-	-	-	-	-	-	-	-	-	-	-	
60"	RTA60T10750*	690	7 1/2	29000	68	51240	6.45	-	-	49020	6.85	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA60T11000*	755	10	29000	70	56770	8.48	-	-	54440	8.88	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA60T13000*	870	15	29000	74	66320	12.52	-	-	64126	13.12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	RTA60T32000*	955	20	29000	76	73090	16.62	-	-	70862	17.33	-	-	-	-	-	-	-	-	-	-	-	-	-	

For three phase motors, substitute "M" with "230/460 volt or "P" for 575 volt. If 208V is required please specify.

Fan tested in accordance with AMCA Standard 210 in a figure 12A configuration.

FEP for models using a single-phase motor are determined using AMCA Standard 214-21, method 6.3 using standard air density and V-belt drive.

FEP for models using a three-phase motor are determined using AMCA Standard 214-21, method 6.4 using standard air density, V-belt drive, 4 pole TEFC motors without VFD.

dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

Power rating does not include transmission losses.

Performance ratings do not include the effects of appurtenances.

Operation of the axial impeller in a configuration different from the published test configuration will affect performance.