

RAU, RAUMO

Roof Axial Upblast Ventilator

TECHNICAL SPECIFICATIONS



PENNBARRY™

BULLETIN RAU21

TABLE OF CONTENTS

INTRODUCTION	3
CERTIFICATIONS & LISTINGS	4
DIMENSIONS RAU	5
DIMENSIONS RAUMO	6
RAU 20 BELT DRIVE	7
RAU 24 BELT DRIVE	8
RAU 30 BELT DRIVE	9
RAU 36 BELT DRIVE	10
RAU 42 BELT DRIVE	11
RAU 48 BELT DRIVE	12
RAU 54 BELT DRIVE	13
RAUMO 20 BELT DRIVE	14
RAUMO 24 BELT DRIVE	15
RAUMO 30 BELT DRIVE	16
RAUMO 36 BELT DRIVE	17
RAUMO 42 BELT DRIVE	18
RAUMO 48 BELT DRIVE	19
RAUMO 54 BELT DRIVE	20

INTRODUCTION

RAU/RAUMO Series of Roof Ventilators

A continuing demand exists in commercial and industrial buildings for high velocity roof ventilators which exhaust foul air and disperse it high above the roof. The RAU/RAUMO is ideal for the "spot" ventilation of specific problem areas where rapid air removal is necessary or for general plant ventilation. This "plugin" or package ventilation is easily installed out of the way, up on the roof. It is accessible and yet does not use valuable interior areas nor does it require costly duct systems.

Dampers open automatically when the fan is started. The airstream holds the dampers open and excludes weather until the power is shut off. Then, the dampers automatically close tight as the air blast diminishes.

The RAU/RAUMO illustrated above-left is a solid, compact unit completely self-contained. The standard silhouette is streamlined and the straight-thru air blast provides rapid, friction-free, air removal. Note the components are all within the housing. They do not intrude, nor protrude, below the roof line. Two types of belt drive fans are available. One with the motor out of the airstream and the other with the motor inside the ventilator air shaft. Both arrangements permit capacity selections at fan speeds other than standard motor speeds. They enable the adjustment of air volumes on the job if necessary. Your fan schedule specification should indicate "remote drive" if desired.

Standard Height Units

Model: RAU - Fabricated Steel Propeller

Static pressure up to 0.5" wg.

Belt Drive - Flow capacity up to 37,000 CFM

Remote Belt Drive Unit

Model: RAUMO - With Fabricated Steel Propeller

Static pressure up to 0.5" wg.

Belt Drive - Flow capacity up to 35,000 CFM



CERTIFICATIONS & LISTINGS



AMCA Certification

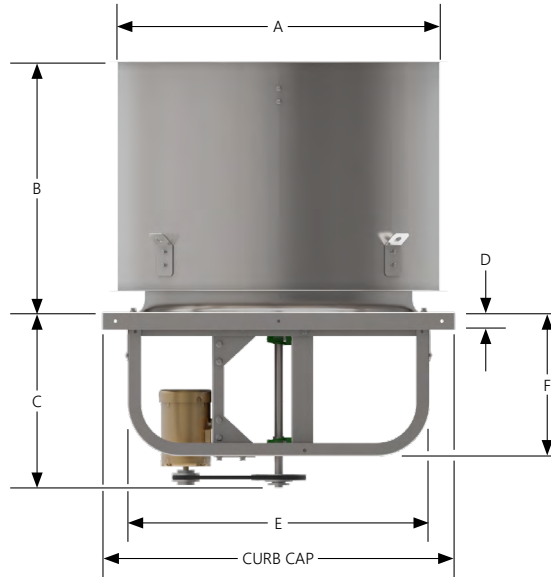
PennBarry certifies that models RAU/RAUMO roof exhausters are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



UL and cUL Certification

RAU/RAUMO exhausters (models HC, HF, and HS) carry the UL label, UL705 (ZACT/ZACT7), file #E28413.

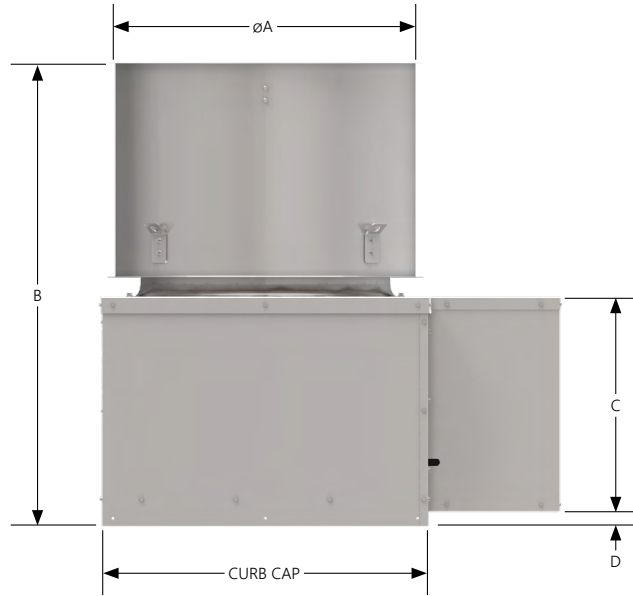
DIMENSIONS | RAU



Size	A	B	C	D	E	F	CURB CAP
20	28.25	22.88	16.38	2.00	23.38	12.38	30.00
24	30.50	25.75	15.88	2.00	28.13	12.38	34.00
30	38.50	28.50	19.88	2.00	34.50	16.38	40.00
36	42.50	33.00	19.75	2.00	41.00	19.75	46.00
42	50.75	37.00	19.75	2.00	47.50	16.38	52.00
48	57.00	41.13	21.00	2.00	53.50	17.50	58.00
54	61.88	45.13	22.63	2.00	61.00	19.00	66.50
60	70.88	49.25	23.00	2.00	67.00	19.00	72.50

All dimensions in inches.

DIMENSIONS | RAUMO



RAUMO

Size	A	B	C	D	CURB CAP
20	28.25	46.88	21.75	2.25	29.50
24	30.50	49.75	21.75	2.25	33.50
30	38.50	56.38	25.75	2.25	39.50
36	42.50	61.00	25.75	2.25	45.50
42	50.75	65.00	25.75	2.25	51.50
48	57.00	69.00	25.75	2.25	57.50
54	61.88	74.88	27.50	2.25	66.00
60	70.88	80.63	29.25	2.25	72.00

All dimensions in inches

RAU 20 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
Level 1 Performance						Max Motor Frame 56					Max RPM L-1042 H-1861							
RAU-1L20	1/4	768	0.2	12.8	4020	2930												
		827	0.25	14.3	4330	3157												
		879	0.3	15.9	4602	3355	2882											
	1/3	838	0.26	14.6	4388	3199	2534											
		907	0.33	16.8	4749	3462	3012											
		967	0.4	18.7	5063	3691	3288											
1/2	1042	0.5	21	5456	3977	3627												
RAU-1H20	1/4	1143	0.2	18.4	5985	2868	2685	2485	2257									
		1240	0.25	21	6493	3111	2942	2762	2562									
		1308	0.3	23	6849	3282	3122	2953	2771	2566								
	1/3	1274	0.27	22	6671	3196	3032	2858	2667									
		1354	0.33	25	7090	3397	3243	3081	2910	2715								
		1440	0.4	28	7540	3613	3468	3319	3158	2984	2786							
	1/2	1559	0.5	33	8163	3911	3777	3643	3496	3347	3177							
		1641	0.6	35	8592	4117	3990	3862	3726	3585	3432	3270						
	3/4	1776	0.75	39	9298	4455	4338	4220	4099	3968	3838	3692	3457					
		1861	0.9	42	9744	4669	4557	4444	4332	4208	4083	3953	3740					
Level 2 Performance						Max Motor Frame 56					Max RPM L-1267 H-1641							
RAU-2L20	1/2	1042	0.5	21.2	5456	3977	3627											
		1107	0.6	23.5	5796	4225	3916											
	3/4	1192	0.75	26.8	6241	4550	4262	3649										
		1267	0.9	30.1	6634	4836	4566	4187										
RAU-2H20	1/4	1143	0.2	18.4	5985	2868	2685	2485	2257									
		1240	0.25	21	6493	3111	2942	2762	2562									
		1308	0.3	23	6849	3282	3122	2953	2771	2566								
	1/3	1274	0.27	22	6671	3196	3032	2858	2667									
		1354	0.33	25	7090	3397	3243	3081	2910	2715								
		1440	0.4	28	7540	3613	3468	3319	3158	2984	2786							
	1/2	1559	0.5	33	8163	3911	3777	3643	3496	3347	3177							
		1641	0.6	35	8592	4117	3990	3862	3726	3585	3432	3270						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 24 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)													
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000		
Level 1 Performance						Max Motor Frame 56						Max RPM L-768 H-1427							
RAU-1L24	1/4	566	0.2	11.3	3559	3736													
		610	0.25	13.1	3834	4025													
		648	0.3	14.6	4072	4274													
	1/3	618	0.26	13.5	3883	4076													
		669	0.33	15.1	4203	4413													
	714	0.4	16.4	4485	4708	3903													
1/2	768	0.5	17.9	4825	5065	4435													
RAU-1H24	1/4	850	0.2	16.9	5340	3684	3386	3045											
		920	0.25	18.8	5781	3989	3717	3416											
		967	0.3	20	6077	4193	3934	3651	3331										
	1/3	932	0.27	19.1	5856	4040	3771	3476	3123										
		1001	0.33	21	6289	4340	4089	3818	3515										
	1070	0.4	23	6723	4639	4404	4155	3885											
	1/2	1149	0.5	26	7222	4983	4765	4538	4296	4024									
		1217	0.6	29	7645	5275	5069	4860	4631	4386	4119								
	3/4	1310	0.75	33	8231	5679	5488	5296	5087	4875	4634								
		1397	0.9	37	8778	6056	5877	5697	5507	5308	5098	4870							
1	1427	1	40	8966	6186	6011	5835	5650	5456	5256	5033								
Level 2 Performance						Max Motor Frame 143T						Max RPM L-935 H-1217							
RAU-2L24	1/2	768	0.5	17.9	4825	5065	4435												
		817	0.6	20	5132	5388	4822												
	3/4	880	0.75	22	5529	5804	5313												
935		0.9	24	5875	6167	5728													
RAU-2H24	1/4	850	0.2	16.9	5340	3684	3386	3045											
		920	0.25	18.8	5781	3989	3717	3416											
		967	0.3	20	6077	4193	3934	3651	3331										
	1/3	932	0.27	19.1	5856	4040	3771	3476	3123										
		1001	0.33	21	6289	4340	4089	3818	3515										
	1070	0.4	23	6723	4639	4404	4155	3885											
1/2	1149	0.5	26	7222	4983	4765	4538	4296	4024										
	1217	0.6	29	7645	5275	5069	4860	4631	4386	4119									

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 30 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
Level 1 Performance						Max Motor Frame 143T					Max RPM L-646 H-844							
RAU-1L30	1/3	455	0.26	10.3	3577	6065	5284											
		493	0.33	11.7	3874	6568	5853											
		524	0.4	12.9	4116	6979	6311	5555										
	1/2	565	0.5	14.8	4437	7524	6911	6229										
		601	0.6	16.3	4720	8004	7433	6808										
	3/4	646	0.75	18.3	5077	8608	8077	7509	6880									
RAU-1H30	1/3	544	0.27	13.6	4273	6053	5432	4729										
		583	0.33	15	4579	6487	5912	5279										
		623	0.4	16.3	4893	6932	6399	5818										
	1/2	668	0.5	17.9	5246	7432	6938	6408	5826									
		711	0.6	19.5	5584	7911	7446	6954	6424									
	3/4	765	0.75	22	6008	8512	8080	7629	7152	6604								
		814	0.9	24	6393	9057	8651	8233	7795	7323								
	1	844	1	26	6629	9391	8999	8600	8178	7730								
Level 2 Performance						Max Motor Frame 145T					Max RPM L-953 H-1130							
RAU-2L30	1/3	646	0.75	18.3	5077	8608	8077	7509	6880									
		688	0.9	20	5401	9158	8659	8131	7559									
	1/2	712	1	21	5592	9482	9000	8494	7953	7293								
		756	1.2	23	5938	10068	9614	9144	8652	8104								
	3/4	814	1.5	26	6394	10842	10420	9993	9536	9054	8542							
		865	1.8	29	6794	11519	11123	10726	10298	9868	9386							
1	896	2	30	7037	11932	11549	11166	10758	10343	9892	9427							
	953	2.4	34	7485	12691	12331	11971	11597	11206	10808	10371							
RAU-2H30	1/3	844	1	26	6629	9391	8999	8600	8178	7730								
		896	1.2	29	7035	9966	9597	9227	8829	8422	7990							
	1/2	964	1.5	32	7573	10728	10386	10043	9681	9311	8920	8518						
		1027	1.8	36	8067	11429	11107	10786	10453	10106	9757	9380						
	3/4	1061	2	38	8329	11800	11488	11177	10859	10523	10187	9828	9281					
		1130	2.4	43	8874	12571	12279	11987	11694	11381	11066	10749	10235					

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 36 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)													
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000		
Level 1 Performance						Max Motor Frame 145T				Max RPM L-525 H-712									
RAU-1L36	1/2	387	0.4	11	3647	8906	7805												
		418	0.5	12.6	3940	9619	8609												
		443	0.6	13.9	4175	10193	9247	8179											
	3/4	478	0.75	15.8	4502	10991	10123	9160											
		508	0.9	17.3	4789	11693	10882	10004											
1	525	1	18.4	4947	12078	11293	10449	9508											
RAU-1H36	1/2	457	0.4	14	4307	8786	7901	6916											
		494	0.5	16.1	4656	9498	8686	7793											
		527	0.6	17.9	4964	10127	9373	8551											
	3/4	564	0.75	20	5316	10844	10141	9389	8574										
		601	0.9	22	5669	11565	10906	10209	9462										
	1	623	1	23	5872	11978	11342	10673	9963										
		661	1.2	25	6227	12704	12104	11482	10831	10127									
	1 1/2	712	1.5	27	6708	13684	13127	12560	11959	11327	10597								
Level 2 Performance						Max Motor Frame 182T				Max RPM L-805 H-955									
RAU-2L36	1	525	1	18.4	4947	12078	11293	10449	9508										
		558	1.2	20	5262	12849	12111	11327	10469										
	1 1/2	601	1.5	23	5664	13830	13145	12428	11665	10806									
		639	1.8	25	6022	14705	14060	13396	12697	11926									
	2	662	2	26	6239	15234	14612	13977	13302	12577									
		703	2.4	29	6627	16180	15595	15008	14373	13722	13011								
	3	757	3	32	7137	17425	16882	16338	15762	15172	14540	13880							
		805	3.6	36	7591	18535	18024	17513	16985	16430	15874	15254							
RAU-2H36	1 1/2	712	1.5	27	6708	13684	13127	12560	11959	11327	10597								
		757	1.8	30	7136	14556	14033	13509	12945	12372	11759								
	2	783	2	32	7380	15055	14549	14043	13503	12957	12368	11724							
		820	2.4	35	7728	15766	15282	14799	14291	13770	13226	12659							
	3	896	3	40	8445	17227	16785	16342	15893	15416	14939	14436	13658						
		955	3.6	45	9000	18360	17945	17530	17115	16674	16226	15778	15053						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 42 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
Level 2 Performance						Max Motor Frame 184T						Max RPM H-607						
RAU-1H42	3/4	405	0.6	15.1	4453	12365	11203	9918										
		438	0.75	17.3	4816	13372	12309	11146										
		466	0.9	19.3	5124	14227	13235	12166										
	1	480	1	20	5278	14655	13692	12660	11539									
		511	1.2	22	5619	15601	14696	13738	12709									
	1 1/2	550	1.5	26	6048	16792	15951	15073	14148	13135								
		586	1.8	28	6441	17884	17095	16283	15432	14516								
	2	607	2	29	6674	18532	17770	16994	16172	15305								
	Level 2 Performance						Max Motor Frame 184T						Max RPM L-738 H-872					
RAU-2L42	1/2	299	0.4	9.6	3288	10926	9236											
		323	0.5	10.9	3552	11803	10261											
		343	0.6	12	3771	12534	11091											
	3/4	368	0.75	13.6	4046	13448	12113	10598										
		392	0.9	15.1	4314	14337	13096	11706										
	1	407	1	16.1	4471	14860	13669	12346										
		432	1.2	17.8	4755	15803	14692	13482										
	1 1/2	465	1.5	20	5112	16990	15956	14851	13631									
		495	1.8	22	5438	18072	17101	16075	14965									
	2	511	2	23	5619	18673	17733	16747	15694	14448								
		544	2.4	26	5981	19876	18992	18080	17122	16060								
	3	586	3	29	6438	21397	20576	19747	18856	17923	16926							
		623	3.6	32	6849	22761	21989	21218	20389	19552	18621							
	5	645	4	34	7087	23552	22807	22061	21270	20461	19589	18684						
		695	5	38	7644	25402	24711	24020	23308	22558	21808	20974						
		738	6	42	8116	26972	26321	25670	25018	24312	23605	22874	21688					
	RAU-2H42	2	607	2	29	6674	18532	17770	16994	16172	15305							
			644	2.4	31	7085	19671	18954	18235	17461	16672	15831						
3		694	3	35	7626	21175	20509	19842	19138	18419	17661	16880						
		739	3.6	39	8124	22558	21932	21306	20660	19985	19309	18575						
5		763	4	41	8388	23291	22685	22079	21461	20808	20154	19461	18395					
		826	5	47	9082	25216	24657	24097	23537	22944	22340	21736	20763					
872	6	52	9588	26623	26093	25562	25032	24486	23914	23342	22456	20895						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 48 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)													
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000		
Level 2 Performance						Max Motor Frame 184T						Max RPM L-591 H-700							
RAU-2L48	3/4	274	0.6	10.6	3443	14946	12863												
		296	0.75	12.1	3720	16146	14232												
		314	0.9	13.4	3946	17128	15335												
	1	325	1	14.2	4084	17728	16003	14048											
		345	1.2	15.7	4335	18819	17207	15403											
	1 1/2	373	1.5	17.9	4685	20337	18863	17246											
		395	1.8	19.6	4967	21559	20170	18676	17013										
	2	410	2	21	5148	22347	21006	19574	17998										
		436	2.4	23	5476	23771	22511	21182	19750										
	3	469	3	26	5892	25577	24406	23192	21921	20500									
		499	3.6	28	6266	27199	26098	24976	23781	22501	20979								
	5	516	4	30	6484	28143	27079	26006	24851	23647	22355								
		556	5	34	6982	30306	29318	28330	27275	26202	25030	23830							
		591	6	38	7427	32239	31310	30381	29413	28404	27369	26241							
RAU-2H48	1 1/2	411	1.2	19.8	5165	18731	17445	16063											
		441	1.5	22	5542	20098	18900	17627	16258										
		469	1.8	25	5894	21374	20247	19064	17809										
	2	485	2	26	6089	22083	20993	19856	18659	17380									
		516	2.4	29	6487	23526	22503	21451	20347	19164									
	3	555	3	33	6977	25304	24353	23394	22368	21312	20196								
		589	3.6	36	7402	26843	25946	25049	24092	23124	22083	20979							
	5	611	4	38	7681	27857	26992	26128	25217	24284	23307	22294							
		657	5	42	8256	29942	29138	28333	27509	26641	25774	24841	23333						
		700	6	46	8801	31919	31165	30410	29656	28845	28031	27206	25879						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAU 54 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
		Level 2 Performance			Max Motor Frame 213T					Max RPM L-485 H-576								
RAU-2L54	1 1/2	284	1.2	14.3	4012	22042	19815	17258										
		306	1.5	16.2	4326	23768	21724	19434										
		325	1.8	17.8	4595	25241	23334	21229										
	2	337	2	18.9	4764	26173	24340	22347										
		358	2.4	21	5056	27776	26049	24198	22148									
	3	386	3	23	5453	29957	28355	26664	24839									
		409	3.6	26	5787	31791	30282	28711	27054	25221								
	5	424	4	27	5997	32948	31492	29989	28409	26663								
		457	5	31	6456	35469	34116	32750	31282	29746	28104							
485		6	34	6857	37668	36394	35121	33752	32370	30835	29014							
RAU-2H54	1 1/2	337	1.2	17.6	4766	21878	20099	18150										
		364	1.5	20	5148	23630	21997	20241										
		385	1.8	22	5442	24980	23436	21790	20013									
	2	399	2	23	5645	25909	24420	22844	21155									
		424	2.4	26	5988	27486	26082	24613	23061	21234								
	3	456	3	29	6447	29589	28286	26944	25538	24026								
		484	3.6	33	6849	31438	30211	28969	27645	26269	24830							
	5	503	4	35	7105	32610	31427	30243	28967	27670	26283							
		541	5	40	7648	35104	34005	32906	31747	30562	29316	28027						
576		6	44	8147	37396	36364	35333	34269	33157	32044	30835							

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 20 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)													
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000		
Level 1 Performance						Max Motor Frame 56						Max RPM L-1040 H-1861							
RAUMO-1L20	1/4	767	0.2	10.4	4016	3047	2541												
		826	0.25	11.9	4326	3282	2855												
		878	0.3	13.2	4598	3488	3097												
	1/3	848	0.27	12.4	4439	3368	2956												
		906	0.33	13.9	4743	3598	3225												
		966	0.4	15.5	5060	3839	3502												
1/2	1040	0.5	17.4	5445	4131	3833	3318												
RAUMO-1H20	1/4	1134	0.2	17.4	5938	2893	2713	2515	2286	1982									
		1226	0.25	19.7	6422	3128	2962	2783	2583	2337									
		1300	0.3	22	6807	3316	3159	2994	2814	2609	2341								
	1/3	1251	0.27	21	6550	3191	3028	2854	2661	2430	2150								
		1344	0.33	24	7037	3428	3277	3119	2949	2752	2510								
		1432	0.4	29	7498	3653	3511	3366	3206	3033	2840	2595							
	1/2	1537	0.5	32	8048	3920	3788	3656	3509	3361	3188	2994	2653						
		1641	0.6	35	8592	4186	4062	3938	3805	3666	3517	3355	3055						
	3/4	1763	0.75	39	9231	4497	4382	4266	4148	4018	3889	3744	3513						
1861		0.9	44	9744	4747	4638	4528	4419	4298	4175	4050	3835	3398						
Level 2 Performance						Max Motor Frame 56						Max RPM L-1266 H-1641							
RAUMO-2L20	1/2	1040	0.5	17.4	5445	4131	3833	3318											
		1106	0.6	19.2	5793	4395	4114	3725											
	3/4	1192	0.75	22	6240	4734	4473	4147											
1266		0.9	24	6631	5030	4785	4493	4017											
RAUMO-2H20	1/4	1134	0.2	17.4	5938	2893	2713	2515	2286	1982									
		1226	0.25	19.7	6422	3128	2962	2783	2583	2337									
		1300	0.3	22	6807	3316	3159	2994	2814	2609	2341								
	1/3	1251	0.27	21	6550	3191	3028	2854	2661	2430	2150								
		1344	0.33	24	7037	3428	3277	3119	2949	2752	2510								
		1432	0.4	29	7498	3653	3511	3366	3206	3033	2840	2595							
	1/2	1537	0.5	32	8048	3920	3788	3656	3509	3361	3188	2994	2653						
		1641	0.6	35	8592	4186	4062	3938	3805	3666	3517	3355	3055						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 24 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
Level 1 Performance						Max Motor Frame 56						Max RPM L-816 H-1427						
RAUMO-1L24	1/3	625	0.27	10.6	3927	4290	3509											
		669	0.33	12	4203	4592	3952											
		713	0.4	13.3	4480	4894	4309											
	1/2	768	0.5	15.1	4825	5272	4748											
		816	0.6	16.6	5127	5601	5126											
RAUMO-1H24	1/4	838	0.2	15	5265	3694	3399	3057	2604									
		906	0.25	16	5693	3993	3724	3423	3050									
		959	0.3	17.8	6026	4227	3972	3693	3371	2949								
	1/3	927	0.27	16.3	5825	4086	3823	3531	3185									
		992	0.33	18.6	6233	4372	4126	3858	3555	3169								
		1053	0.4	21	6616	4641	4409	4162	3889	3566	3168							
	1/2	1135	0.5	24	7131	5003	4788	4564	4322	4047	3713							
		1210	0.6	27	7603	5333	5132	4927	4701	4458	4194	3848						
	3/4	1300	0.75	32	8168	5730	5542	5354	5148	4937	4696	4434	3950					
		1387	0.9	39	8715	6113	5937	5761	5575	5377	5170	4939	4527					
	1	1427	1	41	8966	6290	6119	5948	5769	5577	5384	5160	4788					
Level 2 Performance						Max Motor Frame 143T						Max RPM L-934 H-1210						
RAUMO-2L24	1/2	768	0.5	15.1	4825	5272	4748											
		816	0.6	16.6	5127	5601	5126											
	3/4	879	0.75	18.6	5523	6034	5610	4910										
		934	0.9	20	5868	6411	6013	5489										
RAUMO-2H24	1/4	838	0.2	15	5265	3694	3399	3057	2604									
		906	0.25	16	5693	3993	3724	3423	3050									
		959	0.3	17.8	6026	4227	3972	3693	3371	2949								
	1/3	927	0.27	16.3	5825	4086	3823	3531	3185									
		992	0.33	18.6	6233	4372	4126	3858	3555	3169								
		1053	0.4	21	6616	4641	4409	4162	3889	3566	3168							
	1/2	1135	0.5	24	7131	5003	4788	4564	4322	4047	3713							
		1210	0.6	27	7603	5333	5132	4927	4701	4458	4194	3848						

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 30 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
Level 1 Performance						Max Motor Frame 143T						Max RPM L-645 H-839						
RAUMO-1L30	1/4	416	0.2	8.2	3267	5440	4601											
		449	0.25	9.3	3526	5871	5100											
		477	0.3	10.3	3746	6238	5514											
	1/3	461	0.27	9.7	3621	6028	5278											
		493	0.33	10.9	3872	6447	5748											
		523	0.4	12.2	4108	6839	6183	5483										
	1/2	564	0.5	13.9	4430	7375	6770	6130										
		600	0.6	15.3	4712	7846	7281	6686										
	3/4	645	0.75	17.1	5066	8435	7908	7361	6787									
RAUMO-1H30	1/3	540	0.27	11.3	4241	5915	5300	4613										
		579	0.33	12.7	4547	6343	5772	5156										
		620	0.4	14.2	4869	6792	6263	5696										
	1/2	663	0.5	15.6	5207	7263	6770	6250	5681									
		707	0.6	17.4	5553	7745	7283	6799	6286									
	3/4	760	0.75	19.4	5969	8325	7896	7450	6985	6454								
		809	0.9	21	6354	8862	8459	8045	7616	7160								
	1	839	1	23	6589	9191	8802	8405	7992	7559								
	Level 2 Performance						Max Motor Frame 145T						Max RPM L-951 H-1122					
RAUMO-2L30	3/4	645	0.75	17.1	5066	8435	7908	7361	6787									
		686	0.9	18.8	5388	8971	8476	7965	7434									
	1	709	1	19.7	5568	9271	8793	8301	7791	7240								
		754	1.2	22	5922	9860	9410	8951	8479	7983								
	1 1/2	812	1.5	24	6377	10618	10200	9779	9341	8893	8431							
		864	1.8	27	6786	11298	10906	10513	10103	9691	9258							
	2	893	2	28	7014	11678	11298	10918	10524	10125	9712	9292						
		951	2.4	30	7469	12436	12079	11722	11357	10983	10607	10213						
	RAUMO-2H30	1	839	1	23	6589	9191	8802	8405	7992	7559							
890			1.2	25	6990	9749	9383	9014	8625	8227	7810							
1 1/2		957	1.5	27	7516	10483	10142	9801	9443	9081	8701	8314						
		1021	1.8	30	8019	11185	10865	10545	10216	9876	9534	9171						
2		979	1.6	28	7689	10724	10391	10057	9710	9356	8989	8610						
		1053	2	32	8270	11535	11225	10915	10599	10270	9941	9593	9065					
		1122	2.4	35	8812	12291	12000	11709	11418	11110	10801	10490	9994					

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 36 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)											
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000
Level 1 Performance						Max Motor Frame 145T					Max RPM L-523 H-707						
RAUMO-1L36	1/2	387	0.4	10.2	3647	8745	7673										
		415	0.5	11.5	3911	9378	8382										
		442	0.6	12.9	4165	9986	9056	8064									
	3/4	476	0.75	14.8	4486	10756	9897	8989									
		507	0.9	16.5	4778	11457	10653	9813									
1	523	1	17.4	4929	11818	11039	10227	9372									
RAUMO-1H36	1/2	454	0.4	12.1	4279	8594	7716	6761									
		491	0.5	13.8	4628	9294	8488	7619									
		523	0.6	15.3	4929	9900	9149	8345									
	3/4	560	0.75	17.1	5278	10600	9901	9162	8373								
		597	0.9	18.8	5627	11301	10645	9958	9232								
	1	620	1	19.8	5843	11736	11104	10447	9757								
		656	1.2	22	6183	12418	11820	11205	10566	9888							
	1 1/2	707	1.5	24	6663	13383	12829	12266	11678	11063	10356						
Level 2 Performance						Max Motor Frame 182T					Max RPM L-701 H-890						
RAUMO-2L36	1	523	1	17.4	4929	11818	11039	10227	9372								
		557	1.2	19.3	5250	12586	11855	11098	10307								
	1 1/2	599	1.5	21	5646	13536	12856	12158	11438	10686							
		637	1.8	23	6004	14394	13755	13104	12434	11733							
	2	659	2	25	6211	14891	14273	13648	13000	12331	11586						
701		2.4	27	6607	15840	15259	14678	14069	13455	12812							
RAUMO-2H36	1 1/2	707	1.5	24	6663	13383	12829	12266	11678	11063	10356						
		752	1.8	26	7087	14235	13714	13192	12639	12078	11487						
	2	721	1.6	25	6795	13648	13105	12555	11978	11381	10764						
		778	2	28	7332	14727	14223	13720	13189	12654	12085	11459					
		828	2.4	31	7804	15674	15200	14727	14236	13734	13218	12681					
	3	890	3	34	8388	16847	16407	15967	15520	15053	14586	14096	13346				

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 42 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
RAUMO-2L42	Level 2 Performance					Max Motor Frame 184T					Max RPM L-620 H-867							
	3/4	323	0.5	10	3552	11590	10089											
		343	0.6	11.1	3771	12308	10899											
	1	367	0.75	12.6	4035	13169	11858	10458										
		391	0.9	14.1	4299	14030	12806	11506										
	1 1/2	404	1	15	4442	14497	13315	12064										
		430	1.2	16.7	4728	15430	14325	13165										
	2	463	1.5	18.8	5091	16614	15588	14521	13402									
		493	1.8	21	5421	17690	16727	15732	14698									
	3	509	2	22	5597	18264	17331	16372	15380	14347								
		542	2.4	24	5960	19448	18572	17679	16760	15797								
	5	584	3	27	6421	20956	20142	19323	18471	17600	16700							
		620	3.6	30	6817	22247	21481	20715	19916	19112	18268	17361						
	RAUMO-2H42	3/4	403	0.6	13.4	4431	12114	10963	9717									
436			0.75	15.2	4794	13106	12051	10918										
464			0.9	16.9	5102	13947	12962	11916										
1		477	1	17.7	5245	14338	13380	12368	11285									
		508	1.2	19.5	5586	15270	14370	13428	12430									
1 1/2		546	1.5	22	6004	16412	15575	14708	13802	12813								
		582	1.8	24	6399	17494	16709	15904	15071	14185								
2		558	1.6	22	6136	16773	15954	15108	14230	13300								
		602	2	25	6619	18096	17336	16564	15758	14914								
		640	2.4	27	7037	19238	18524	17807	17049	16278	15466							
3		689	3	31	7576	20711	20047	19384	18690	17986	17250	16496						
		734	3.6	34	8071	22063	21441	20818	20178	19517	18853	18146						
5		819	5	40	9005	24618	24060	23502	22944	22358	21765	21173	20228					
		867	6	45	9533	26061	25534	25007	24480	23938	23379	22819	21956	20451				

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 48 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)												
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000	
RAUMO-2L48	Level 2 Performance					Max Motor Frame 184T					Max RPM L-575 H-675							
	3/4	298	0.75	11.2	3745	15962	14108											
		313	0.9	12.3	3933	16765	15006											
	1	324	1	13.1	4072	17354	15658	13849										
		345	1.2	14.7	4335	18479	16894	15213										
	1 1/2	371	1.5	16.6	4662	19872	18407	16866										
		394	1.8	18.4	4951	21104	19726	18289	16776									
	2	408	2	19.5	5127	21854	20523	19140	17692									
		435	2.4	22	5466	23300	22052	20765	19429									
	3	467	3	24	5868	25014	23851	22664	21445	20161								
		496	3.6	27	6233	26567	25472	24365	23218	22033	20782							
	5	554	5	32	6962	29674	28694	27714	26696	25668	24599	23515						
		572	5.5	34	7188	30638	29689	28739	27760	26765	25745	24695						
	RAUMO-2H48	3/4	326	0.6	12.1	4097	14627	12991										
347			0.75	13.5	4361	15570	14041	12380										
370			0.9	15	4650	16602	15177	13640										
1		384	1	15.9	4825	17230	15862	14394										
		408	1.2	17.6	5127	18307	17026	15669										
1 1/2		438	1.5	19.7	5504	19653	18460	17208	15880									
		467	1.8	22	5868	20954	19835	18672	17452									
2		448	1.6	20	5630	20102	18936	17715	16426									
		481	2	23	6044	21582	20496	19372	18201	16967								
		513	2.4	25	6447	23018	22000	20958	19878	18732								
3		551	3	28	6924	24723	23775	22820	21814	20781	19705							
		585	3.6	31	7351	26249	25356	24463	23521	22574	21566	20488						
5		653	5	36	8206	29300	28500	27700	26882	26033	25184	24281	22825					
		675	5.5	38	8482	30287	29513	28739	27956	27135	26314	25461	24143					

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

RAUMO 54 | BELT DRIVE

Model	Motor HP	Fan RPM	Max Fan Input Power	Max Sones	Tip Speed	CFM / Static Pressure (Inches WG)											
						0.000	0.050	0.100	0.150	0.200	0.250	0.300	0.375	0.500	0.625	0.750	1.000
		Level 2 Performance				Max Motor Frame 213T				Max RPM L-470 H-555							
RAUMO-2L54	1 1/2	305	1.5	14.9	4312	23261	21243	19101									
		325	1.8	16.6	4595	24786	22903	20917									
	2	336	2	17.6	4750	25625	23807	21901									
		356	2.4	19.3	5033	27150	25434	23648	21772								
	3	385	3	22	5443	29362	27775	26138	24439								
		408	3.6	24	5768	31116	29619	28086	26510	24854							
	5	455	5	29	6432	34700	33358	32007	30600	29164	27679						
		470	5.5	30	6644	35844	34544	33245	31883	30511	29074						
RAUMO-2H54	1 1/2	335	1.2	15.8	4736	21402	19634	17734									
		362	1.5	18	5118	23127	21503	19781									
		382	1.8	19.7	5400	24405	22866	21247	19524								
	2	367	1.6	18.5	5188	23446	21845	20151	18259								
		396	2	21	5598	25299	23815	22261	20617								
	3	420	2.4	23	5938	26832	25433	23981	22461	20667							
		454	3	26	6418	29005	27710	26385	25011	23553							
	5	476	3.6	28	6729	30410	29175	27923	26613	25251	23814						
		537	5	34	7592	34307	33213	32118	30974	29813	28599	27357					
			555	5.5	35	7846	35457	34398	33339	32242	31118	29968	28765				

Performance certified is for installation type A: free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include appurtenances. The sound ratings shown are loudness values in fan sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA International Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

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.

© 2021 PennBarry. All rights reserved. RAU/RAUMO APRIL 2021.



PENNBARRY™