

LARGE STEEL PROPELLERS General Information

TYPICAL APPLICATIONS

These units are designed for use in:

- Industrial Air Circulators
- Exhaust Fan Units
- Air Cooled Condensing Units
- Small Cooling Towers
- Agricultural Ventilation Equipment
- Large Unit Heaters
- Commercial and Industrial Equipment

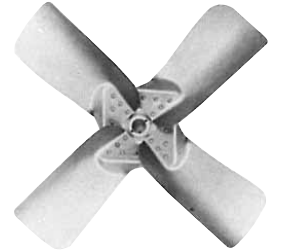
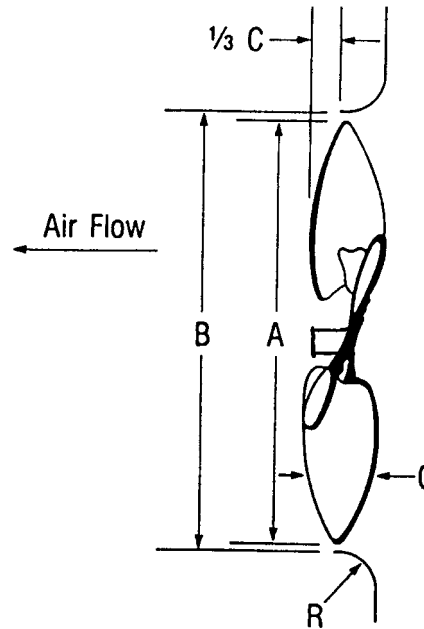
FEATURES

- 3-blade, 4-blade and 6-blade design.
- High quality steel construction.
- Heavy duty mill galvanized (3-blade has galvalume blades and painted steel spider).
- CW rotation – viewing from air discharge side.
- Welded Tapertok hub.
- Split tapered bushing on air discharge side (order separately for desired bore size).
- Available for immediate delivery from stock.

FAN TESTING

Fans are tested in accordance with:

- AMCA 210-74/ASHRAE 51-75
- BHP does not include any belt losses.
- All fans are rated at STD air – 0.075 lb. per ft.³



Dimensions Legend

- A – Fan Diameter
- B – Orifice Diameter
102% of A
- C – Fan Depth
- R – 10% of A

DID YOU KNOW?

Numerous sizes and types of all steel props through 96" are available on a special order basis. Call for more information about:

- Number of Blades
- Diameter
- Bore Size
- Motor Horsepower
- Fan RPM
- Application (where and how used)

LARGE STEEL PROPELLER CROSS REFERENCE TO COMPETITIVE MODELS* – PART NUMBER CHART

Pitch	Pitch	Number of Blades	Lau Part Number	Air Turbine Part Number	Torin Part Number	Revcor Part Number
24"	27°	4	60-8329-01	S24-10HD	R2427-4	—
26"	27°	4	60-8330-01	S-26-11HD	—	5-2186
28"	27°	4	60-8331-01	S-28-11HD	—	—
30"	27°	4	60-8332-01	S-30-9.5HD	R3027-4	5-2189
30"	40°	6	60-8338-01	A-30-40HD	R3040-4	—
36"	27°	4	60-8333-01	S-36-11HD	R3627-4	5-2190
36"	40°	6	60-8339-01	A-36-40HD	R3640-4	—
42"	27°	4	60-8334-01	S-42-11HD	R4227-4	5-2191
42"	40°	6	60-8340-01	A-42-40HD	R4240-4	—
48"	27°	4	60-8335-01	S-48-11, 5HD	R4827-4	5-2192
48"	40°	6	60-8341-01	A-48-40HD	R4840-4	—
54"	27°	4	60-8336-01	S-54-10HD	R5427-4	—
54"	40°	6	60-8342-01	A-54-40HD	R5440-4	—
60"	27°	4	60-8337-01	S-60-9HD	R6027-4	—
60"	40°	4	60-8343-01	S-60-13HD	R6040-4	—

*This chart is for reference only. Installer must verify suitability of any recommended part for fit, form and performance in any specific application.

Specifications are subject to change without notice or obligation.

UNIVERSAL REPLACEMENT PROPELLERS



LARGE STEEL PROPELLERS Heavy Duty Series, Clockwise Rotation



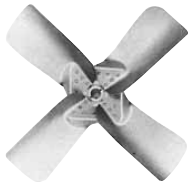
3-BLADE

Part Number	Replaces	Dia.	Pitch	Blade Depth *Blade Width	** RPM	Static Pressure (Inches W.C.)								Max. RPM	Approx. Wt. (lbs.) Less Ctn.
						.0"		.1"		.2"		.3"			
						CFM	HP	CFM	HP	CFM	HP	CFM	HP		
61-0936-01	60-5653-01	30"	22°	2 3/8" 6"	850	7430	.35	6790	.39	5900	.41	4430	.43	1140	7.0
					1000	8730	.58	8220	.62	7580	.65	6710	.68		
					1140	9960	.85	9520	.90	9000	.94	8370	.98		
61-0937-01	60-5654-01	30"	27°	2 7/8" 6"	850	8510	.49	7740	.52	6800	.54	5540	.56	1140	7.0
					1000	10010	.79	9380	.83	8650	.86	7780	.88		
					1140	11380	1.18	10830	1.22	10220	1.25	9530	1.29		
61-0938-01*	60-5655-01	36"	27°	2 7/8" 6"	720	11450	.56	10250	.61	8600	.64	6210	.64	1000	8.0
					850	13520	.92	12540	.98	11340	1.03	9790	1.05		
					1000	15900	1.49	15090	1.57	14160	1.63	13070	1.68		
61-0939-01*	60-5656-01	36"	33°	3 3/8" 6"	720	13190	.81	12000	.86	10390	.89	7890	.88	1000	8.0
					850	15570	1.33	14600	1.40	13420	1.45	11900	1.46		
					1000	18320	2.16	17520	2.25	16600	2.32	15530	2.36		

This 3-blade line can replace most 4-blade designs commonly used in large condenser applications. Order split tapered bushings separately. See Page 17 for ordering instructions.

*61-0938-01 and 61-0939-01 are shipped via common carrier as they exceed dimensional Parcel Package limits (i.e. UPS).

4-BLADE



Part Number	Dia.	Pitch	Blade Depth *Blade Width	** RPM	STATIC PRESSURE (INCHES W.C.)								Max. RPM	Approx. Wt. (lbs.) /Max. HP
					.0"		.1"		.2"		.3"			
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
60-8329-01	24"	27°	3 1/4" 6 1/2"	850	5070	.26	4580	.28	3850	.32	2690	.34	1335	6.8 1.2
				1000	5960	.42	5560	.45	5050	.48	4330	.52		
				1140	6790	.62	6450	.65	6050	.69	5520	.73		
60-8330-01	26"	27°	3 3/8" 6 3/16"	850	6730	.46	6210	.49	5560	.52	4610	.54	1140	7.0 1.2
				1000	7910	.74	7470	.78	7020	.82	6400	.85		
				1140	9020	1.10	8630	1.14	8250	1.18	7800	1.22		
60-8331-01	28"	27°	4 3/16" 7 1/16"	750	7410	.45	6780	.49	5950	.52	4450	.54	950	7.8 1.2
				850	8400	.66	7840	.70	7200	.74	6370	.77		
				950	10267	.99	9700	1.06	8965	1.10	8527	1.14		
60-8332-01	30"	27°	4" 7 5/8"	720	7970	.47	7170	.54	6400	.58	5250	.63	950	8.0 1.25
				850	9410	.78	8750	.85	8050	.93	7400	.96		
				940	10402	1.05	9,809	1.13	9169	1.21	8570	1.25		
60-8333-01	36"	27°	4 5/16" 8 1/4"	500	10170	.45	8820	0.51	6750	.55	4400	.60	765	12.0 1.9
				720	14650	1.35	13800	1.44	12800	1.52	11600	1.59		
				765	15155	1.90	14,354	1.99	13381	1.67	12303	1.75		
60-8334-01**	42"	27°	5" 9 3/4"	500	15440	.99	13640	1.05	11600	1.10	8500	1.18	630	20.0 2.45
				600	18520	1.71	17010	1.77	15500	1.85	13700	1.92		
				630	19441	1.98	18007	2.04	16603	2.14	14917	2.18		
60-8335-01**	48"	27°	5 5/8" 10 5/8"	300	14240	.40	10520	.47	4920	.53	2500	.65	525	25.0 2.45
				400	18990	.95	16600	1.01	13208	1.18	8080	1.20		
				500	23750	1.86	21820	1.94	19650	2.03	16900	2.18		
60-8336-01**	54"	27°	6" 11 1/2"	300	19800	.76	15620	.84	9100	.88	6250	1.04	575	50.0 6.0
				400	26360	1.80	23650	1.90	19800	2.01	14200	2.08		
				500	32950	3.51	30870	3.69	28500	3.76	25165	3.91		
60-8337-01**	60"	27°	6" 12 1/2"	200	17500	.33	8900	.40	3650	.53	850	.73	525	60.0 6.5
				300	26210	1.13	22550	1.25	14950	1.33	10250	1.43		
				400	34950	2.67	32330	2.84	29120	2.96	24200	3.15		
60-8343-01**	60"	40°	7 3/4" 12 1/2"	200	22000	.61	13260	.68	6950	.80	3320	1.02	470	60.0 6.5
				300	33000	2.06	28920	2.18	21700	2.18	16180	2.36		
				400	44000	4.88	41000	5.05	37820	5.21	33150	5.38		
				460	50600	7.42	48000	7.62	45350	7.81	42500	7.97		

* Blade width is measured at the widest points of the blade.
+ Must ship via common carrier.

NOTE: For higher speed requirements, see Extra Heavy Duty Propellers on Page 18.

Specifications are subject to change without notice or obligation.

LARGE STEEL PROPELLERS Heavy Duty Series, Clockwise Rotation

6-BLADE

Part No. Model No.	Dia.	Pitch	Blade Depth *Blade Width	RPM	Static Pressure (Inches W.C.)								Max. RPM	Approx. Wt. (lbs.) Less Ctn. /Max. HP
					.0"		.1"		.2"		.3"			
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
60-8338-01	30"	40°	5"	720	11062	1.23	10274	1.27	9418	1.29	8212	1.31	1140	18.0
				850	13059	2.02	12402	2.07	11711	2.11	10938	2.12		
			1000	15364	3.29	14811	3.35	14228	3.40	13642	3.44	3.65		
			1140	17515	4.88	17030	4.94	16529	5.00	16014	5.05			
60-8339-01+	36"	40°	5"	500	11564	.76	10176	.80	8298	.81	5691	.85	860	21.0
				720	16652	2.28	15301	2.35	14736	2.37	13600	2.39		
			850	19659	3.74	18938	3.83	18146	3.89	17195	3.91	4.45		
			1000	23128	6.10	22515	6.19	21902	6.29	21161	6.34			
60-8340-01+	42"	40°	5 1/4"	500	17992	1.68	16799	1.76	15408	1.80	13429	1.84	650	32.0
				600	21590	2.90	20576	3.00	19541	3.07	18346	3.12		
			720	25908	5.01	25051	5.13	24249	5.23	23330	5.31	3.70		
			850	30585	8.24	29859	8.38	29154	8.51	28485	8.63			
60-8341-01+	48"	40°	5 1/2"	300	15815	.61	13110	.67	6811	.71	3587	.82	500	37.0
				400	21087	1.44	19175	1.55	16562	1.65	11536	1.74		
			500	26358	2.81	24985	2.95	23162	3.06	21123	3.19	3.70		
			600	31630	4.85	30485	5.02	29157	5.18	27615	5.30			
60-8342-01+	54"	40°	6 1/4"	300	22741	1.13	19501	1.22	13772	1.34	8105	1.35	555	57.0
				400	30320	2.68	28051	2.80	25216	2.93	21881	3.04		
			500	37899	5.24	36138	5.38	34220	5.53	31906	5.70	8.00		
			575	43583	8.0	42053	8.12	40435	8.30	38758	8.47			



+ Must ship via common carrier.

* Blade width is measured at the widest points of the blade.

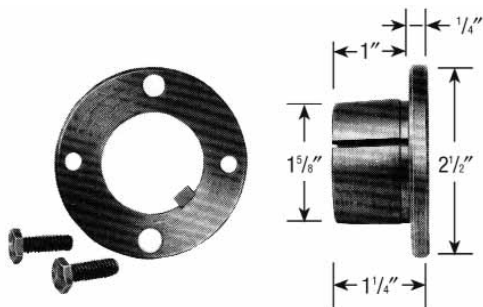
Order split tapered bushings separately, see below.

SHIPPING NOTE:

Most Lau products are suitable for normal parcel shipping services such as FedEx or UPS. However, some products are too large and must be shipped via common carrier.

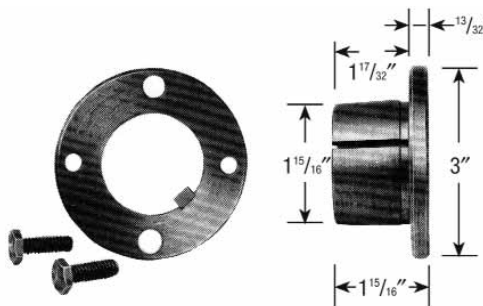
Next day or 2nd day parcel service: most products are suitable for such expedited services at special handling costs. However, due to the bulkiness of the majority of products featured in this catalog, you can avoid unpleasant surprises by checking with our Customer Service to verify cost before you request expedited service.

SPLIT TAPERED BUSHINGS



H-TYPE

H-Type	
Part Number	Bore For 24-48" Props
60-3315-04	1/2"
60-3315-05	5/8"
60-3315-06	3/4"
60-3315-07	7/8"
60-3315-08	1"
60-3315-01	1 1/8"
60-3315-02	1 3/16"
60-3315-09	1 1/4"
60-3315-03	1 3/8"



P-TYPE

H-Type	
Part Number	Bore For 54-60" Props
725138-08	1"
725138-09	1 1/8"
725138-10	1 1/4"
725138-11	1 3/8"
725138-12	1 3/16"
725138-13	1 5/8"
725138-15	1 7/16"

FEATURES

- For 1/2" through 1 5/8" bore ranges.
- Steel construction.

Split Tapered Bushings must be ordered separately:

H-Type for 24" – 48" sizes
P-Type for 54" – 60" sizes

Standard Keyway Sizes	
Dia. of Shaft (In.)	Keyseat Width X Depth (In.)
5/16 - 7/16	3/32 X 3/64
1/2 - 9/16	1/8 X 1/16
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 1/16 - 1 1/8	5/16 X 3/32
1 1/8 - 1 1/4	3/8 X 3/16
1 3/16 - 2 1/4	1/2 X 1/4

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