

Air Movement SOURCE BOOK

ACME AIR MOVING SOLUTIONS

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ACME

ACME

Est. 1938



Belt Drive In-Line Airfoil Centrifugal Exhauster

Model 2100 Series

Est. 1938

Includes the following Model/Options			
2100 HC1	Class 1 Horizontal Standard Fan	2100 VC1	Class 1 Vertical Standard Fan
2100 HC2	Class 2 Horizontal Standard Fan	2100 VC2	Class 2 Vertical Standard Fan
2100 HIGC1	Class 1 Horizontal Restaurant Grease Fan	2100 VIGC1	Class 1 Vertical Restaurant Grease Fan
2100 HIGC2	Class 2 Horizontal Restaurant Grease Fan	2100 VIGC2	Class 2 Vertical Restaurant Grease Fan
2100 HSEC1	Class 1 Horizontal Smoke Exhaust Fan	2100 VSEC1	Class 1 Vertical Smoke Exhaust Fan
2100 HSEC2	Class 2 Horizontal Smoke Exhaust Fan	2100 VSEC2	Class 2 Vertical Smoke Exhaust Fan

Model 2100 is a belt drive, tubular centrifugal exhauster with the motor, drives and bearings located outside the airstream. Capacities up to 57,072 CFM and up to 9 inch static pressure. The 2100 is designed to operate in arrangement 9H (horizontal) and 9V (vertical) and available in both Class 1 and Class 2. The tubular design is furnished with mounting flanges on both ends for easy installation.

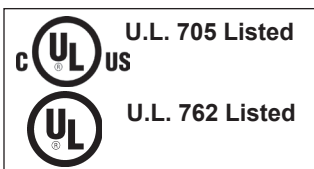


Standard Construction Features	2100 (H/V)	2100SE (H/V)	2100IG (H/V)
Class 1 and 2 Rated	x	x	x
Heavy Gauge Rolled Steel	x	x	x
Access Door	x	x	x
Steel Centrifugal Backward Inclined Wheel	x	x	x
Unitary Pillow Block Bearings	x	x	x
Dual Fixed or Variable Drives for life safety		x	
Variable Pitch Drives	x		x
1-1/2" Drain			x
UL705	x	x	x
UL762 Grease Rated			■
U.L. Listed "Power Ventilator for Smoke Control Systems"		x	
Dual Belt Drive for life safety		x	

Listed models are available in all sizes and performance ranges.

■ UL762 Grease Rated fans are available on all IG models. Class 2 fans require special request.

For submittals, detailed air and sound information, available options and accessories, please go to FANtastic!® Commercial www.acmefan.com



Acme Engineering & Manufacturing Corporation certifies that the models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Construction Features

Housing

- Heavy gauge, rolled steel construction and continuously welded to eliminate air leakage
- Multiple aerodynamic conversion vanes, provides rigid support for outer casing
- Pre-punched flange at each end for ease of mounting
- Inlet and outlet diameters shall be identical to accommodate a single duct size
- Flush bolted access door for servicing
- 8 heavy duty, steel mounting brackets with 4 interchangeable mounting feet allows for rotation of the motor position to 90°/180°/270°/360°
- Dichromate plated, steel fasteners

Coating

- All steel components, first coat is Epoxy Axalta Corlar, second coat (finish) Acrylic Axalta Chromacryl.

Wheel

- Centrifugal, backwardly inclined type with die-formed airfoil blades for maximum efficiency and quiet operation
- Precision balanced for smooth trouble free operation

Bearings

- Double-sealed unitary pillow block bearings
- Rated at L₅₀ life of 200,000 hours
- 2 year limited warranty
- With external lube lines fittings

Shaft

- Corrosion-resistant coated, steel shaft
- Sized so that first critical shaft speed is at least 25% over the max operating speed

Motor

- Continuous duty motors with sealed ball bearings
- Motors are located outside the airstream
- Adjustable motor base maintains positive belt tension

Drive Assembly

- Cast iron variable pitch drives sized for 150% of fan horsepower
- Static free, oil, and heat-resistant belts

Options/Accessories

- Aluminum Wheel
- Spark Resistant Construction (AMCA B)
- Disconnect Switch
- Drain 1.5"
- Roof Upblast Kit
- Inlet and Outlet Companion
- Flanges
- Inlet and Outlet Guards
- Isolators
- Motor cover/belt guard or belt guard



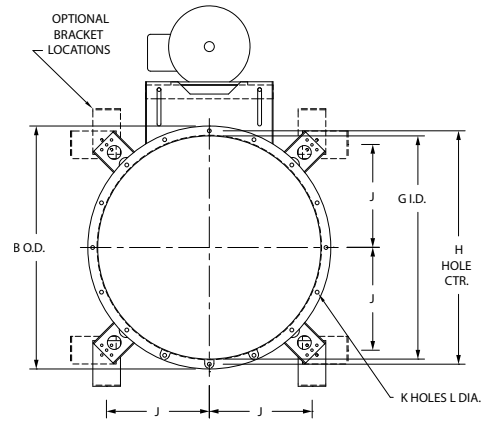
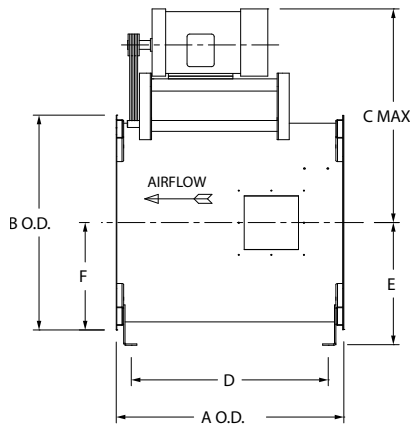
Tubular Centrifugal



Est. 1938

Belt Drive In-Line Airfoil Centrifugal Exhauster

Model 2100 Series

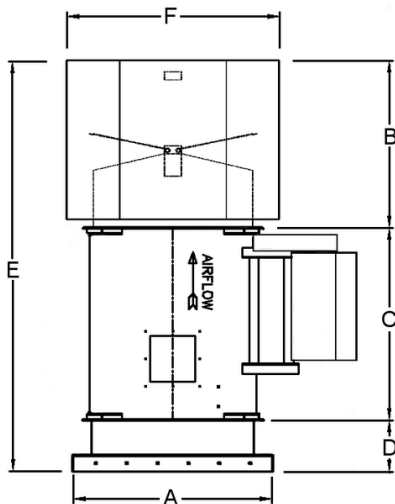


2100 DIMENSIONS

Model	A	B	C	D	E	F	G	H	J	K	L
15	23.31	23.38	30.00	19.22	13.38	11.69	20.19	21.88	10.02	8	.63
18	28.31	27.75	36.00	24.25	14.94	13.88	24.56	26.19	11.58	8	.63
20	31.00	30.13	37.00	26.94	15.79	15.07	26.92	28.57	12.43	8	.63
22	34.56	33.13	39.00	30.50	16.85	16.57	29.95	31.57	13.50	16	.63
24	38.06	36.19	42.00	32.35	21.40	18.10	32.97	34.75	15.52	16	.63
27	41.88	39.56	44.00	36.17	22.60	19.78	36.34	38.00	16.72	16	.63
30	46.56	43.56	46.00	42.85	24.02	27.78	40.38	42.00	18.13	16	.63
33	51.19	47.69	51.00	45.47	25.45	23.85	44.41	46.13	19.57	16	.63
37	56.63	53.44	54.00	50.62	27.33	26.72	49.13	51.69	21.42	16	.75
40	62.50	58.56	57.00	55.66	32.01	29.28	54.26	56.81	24.58	16	.75
45	69.06	65.25	63.00	62.10	24.07	32.63	59.98	63.00	26.64	24	.75
49	76.03	71.44	66.00	62.10	26.25	35.72	66.05	69.19	28.83	24	.75

Dimensions are shown in inches.

2100V with Roof Upblast Kit



2100RU DIMENSIONS

Model	A	B	C	D	E	F	Est. Wt. CL/1
2115RU	26.00	23.00	23.00	10.00	56.00	32.00	250
2118RU	30.00	26.10	28.31	10.00	64.41	32.00	320
2120RU	32.00	26.10	31.00	10.00	67.10	32.00	375
2122RU	36.00	38.08	34.56	10.00	82.64	43.14	435
2124RU	38.00	32.10	38.06	10.00	80.16	38.00	525
2127RU	42.00	38.40	41.88	10.00	90.28	44.20	635
2130RU	46.00	38.40	46.56	10.00	94.96	44.20	770
2133RU	50.00	44.40	41.00	10.00	96.60	50.20	940
2137RU	56.00	50.40	56.63	10.00	117.03	56.20	1165
2140RU	60.00	52.96	62.50	10.00	125.46	69.31	1530
2145RU	70.00	58.09	69.06	10.00	137.15	79.15	1965
2149RU	78.00	58.09	76.03	10.00	144.12	79.15	2435

Dimensions are shown in inches.
Weights are shown in pounds.

2100 SERIES

SIZE 2115

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	15 inches	3.81 mm
Wheel Circumference	3.93 feet	1.198 m
Inlet Diameter/Area	20.13 inches dia./2.21 sq. ft.	511 mm/.2053 m ²
Outlet Size/Area	20.13 inches I.D./2.21 sq. ft.	511 mm/.2053 m ²
Tip Speed	3.93 x RPM ft./minute	1.198 x RPM m/minute
Maximum BHP	.128 x (RPM + 1000) ³ BHP	.0955 x (RPM + 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2115 CL/1	1/4	833 - 1250	221	271
2115 CL/1	1/3	1042 - 1371	225	275
2115 CL/1	1/2	1094 - 1575	232	282
2115 CL/1	3/4	1338 - 1803	232	282
2115 CL/1	1	1346 - 1984	234	284
2115 CL/1	1-1/2	1750 - 2271	241	291
2115 CL/1	2	1969 - 2500	244	294
2115 CL/1	3	2468 - 2861	269	319
2115 CL/1	5	2858 - 3070	285	335

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
833	995		858		103															
	0.10	4.2	0.10	4.1	0.05	2.2														
1250	1685		1608		1533		1453		1364		1261		1133							
	0.29	10.0	0.30	10.0	0.32	9.6	0.33	9.8	0.34	9.8	0.34	9.5	0.34	9.1						
1371	1877		1806		1737		1668		1595		1514		1424		1171					
	0.38	11.9	0.39	12.1	0.41	12.1	0.42	11.8	0.43	12.0	0.44	12.1	0.45	11.8	0.44	11.5				
1575	2196		2134		2072		2012		1952		1891		1826		1682		1508		527	
	0.57	15.0	0.58	15.9	0.60	16.1	0.61	16.1	0.63	15.9	0.64	15.9	0.66	16.0	0.67	16.0	0.68	15.0	0.45	12.6
1803	2548		2494		2439		2385		2332		2280		2227		2120		1998		1860	
	0.84	17.7	0.86	20	0.87	21	0.89	21	0.91	21	0.93	21	0.94	20	0.98	20	1.00	20	1.02	20
1984	2825		2775		2726		2676		2626		2579		2531		2436		2339		2228	
	1.11	20	1.13	24	1.15	25	1.17	26	1.18	26	1.21	26	1.23	26	1.26	25	1.30	25	1.33	25
2271	3260		3217		3174		3130		3087		3044		3001		2918		2834		2751	
	1.65	24	1.67	27	1.70	30	1.72	32	1.74	33	1.76	33	1.78	33	1.83	33	1.87	32	1.92	31
2500	3606		3567		3527		3488		3448		3409		3369		3292		3216		3141	
	2.20	25	2.22	29	2.24	32	2.26	35	2.29	36	2.31	37	2.34	38	2.38	38	2.44	38	2.49	37
2861	4147		4113		4079		4045		4010		3976		3941		3872		3804		3737	
	3.27	28	3.30	32	3.33	35	3.35	38	3.38	41	3.41	44	3.43	45	3.49	46	3.54	46	3.60	46
3070	4460		4428		4397		4365		4333		4300		4268		4204		4140		4076	
	4.04	31	4.06	35	4.09	38	4.12	42	4.15	45	4.18	48	4.21	50	4.26	52	4.32	53	4.38	54

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1803	1702																			
	1.02	19.1																		
1984	2110		1814																	
	1.35	25	1.35	23																
2271	2664		2469		2240		1806													
	1.95	32	2.01	32	2.04	30	1.93	30												
2500	3065		2906		2728		2523		2267		327									
	2.53	36	2.62	36	2.68	36	2.72	34	2.71	33	1.44	22								
2861	3671		3539		3405		3256		3100		2918		2717		2388					
	3.66	46	3.77	45	3.87	45	3.96	46	4.02	46	4.07	44	4.08	42	3.95	43				
3070	4014		3891		3768		3643		3503		3358		3193		3022		2800		1700	
	4.44	54	4.57	53	4.69	52	4.79	52	4.89	53	4.96	53	5.01	52	5.04	50	5.02	48	4.06	46

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2118

SINGLE WIDTH
SINGLE INLET

CLASS 1

Wheel Diameter	18.25 inches	464 mm
Wheel Circumference	4.78 feet	1.457 m
Inlet Diameter/Area	24.56 inches dia./3.29 sq. ft.	624 mm/.3056 m²
Outlet Size/Area	24.56 inches I.D./3.29 sq. ft.	624 mm/.3056 m²
Tip Speed	4.78 x RPM ft./minute	1.457 x RPM m/minute
Maximum BHP	.417 x (RPM ÷ 1000)³ BHP	.3110 x (RPM ÷ 1000)³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2118 CL/1	1/4	632 - 843	266	316
2118 CL/1	1/3	679 - 925	270	320
2118 CL/1	1/2	798 - 1062	277	327
2118 CL/1	3/4	833 - 1216	277	327
2118 CL/1	1	897 - 1388	279	329
2118 CL/1	1-1/2	1029 - 1532	286	336
2118 CL/1	2	1333 - 1686	289	339
2118 CL/1	3	1514 - 1930	314	364
2118 CL/1	5	1936 - 2289	330	380

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
632	1156		901																	
	0.11	5.1	0.12	5.9																
843	1768		1627		1463		1273													
	0.26	6.9	0.27	8.2	0.27	9.2	0.28	10.1												
925	1991		1864		1732		1576		1401		1129									
	0.33	8.5	0.35	9.0	0.36	10.4	0.36	11.4	0.36	12.2	0.34	12.5								
1062	2348		2246		2135		2021		1892		1752		1593							
	0.49	11.0	0.51	11.2	0.52	12.2	0.54	13.5	0.54	14.6	0.55	15.5	0.55	16.2						
1216	2742		2656		2565		2468		2370		2267		2150		1896		1543			
	0.72	14.3	0.74	14.2	0.76	14.2	0.78	15.1	0.80	16.5	0.81	17.6	0.82	18.6	0.82	20	0.80	21		
1338	3050		2972		2894		2809		2721		2632		2541		2331		2101		1832	
	0.95	17.0	0.98	16.6	1.00	16.9	1.02	16.7	1.04	17.7	1.06	19.1	1.08	20	1.09	22	1.10	24	1.09	25
1532	3535		3467		3399		3330		3258		3183		3105		2949		2777		2583	
	1.41	21	1.44	22	1.47	21	1.49	22	1.52	21	1.54	21	1.57	23	1.61	25	1.63	27	1.64	29
1686	3916		3854		3792		3731		3669		3604		3536		3395		3253		3102	
	1.87	23	1.90	25	1.93	25	1.96	25	1.99	25	2.02	25	2.04	25	2.10	27	2.14	29	2.17	31
1930	4516		4462		4408		4354		4300		4246		4192		4076		3955		3831	
	2.78	27	2.82	31	2.85	32	2.88	32	2.92	31	2.95	31	2.99	31	3.04	31	3.11	32	3.17	35
2289	5394		5348		5302		5257		5211		5166		5120		5029		4938		4838	
	4.61	32	4.65	37	4.69	41	4.73	43	4.77	43	4.81	43	4.85	43	4.93	43	5.01	43	5.08	43

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1532	2374																			
	1.65	30																		
1686	2927		2547																	
	2.18	33	2.20	36																
1930	3707		3425		3115		2748													
	3.22	37	3.26	41	3.29	44	3.29	46												
2289	4736		4527		4313		4071		3810		3525		3211							
	5.15	43	5.30	49	5.40	54	5.45	58	5.48	61	5.51	64	5.48	66						

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2120 SINGLE WIDTH SINGLE INLET

CLASS 1

Wheel Diameter	20 inches	508 mm
Wheel Circumference	5.24 feet	1.597 m
Inlet Diameter/Area	27 inches dia./3.98 sq. ft.	686 mm/.3698 m ²
Outlet Size/Area	27 inches I.D./3.98 sq. ft.	686 mm/.3698 m ²
Tip Speed	5.24 x RPM ft./minute	1.597 x RPM m/minute
Maximum BHP	.661 x (RPM ÷ 1000) ³ BHP	.4929 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2120 CL/1	1/4	486 - 723	311	361
2120 CL/1	1/3	547 - 793	315	365
2120 CL/1	1/2	614 - 911	322	372
2120 CL/1	3/4	714 - 1043	322	372
2120 CL/1	1	795 - 1148	324	374
2120 CL/1	1-1/2	897 - 1314	331	381
2120 CL/1	2	1083 - 1446	334	384
2120 CL/1	3	1340 - 1656	359	409
2120 CL/1	5	1656 - 1963	375	425
2120 CL/1	7-1/2	1878 - 2247	405	455

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
486	1326																			
	0.08	2.2																		
723	2470		2303		2089		1799													
	0.25	5.2	0.26	5.0	0.27	5.1	0.27	5.5												
793	2769		2620		2461		2249		1977											
	0.32	6.0	0.34	5.6	0.35	6.2	0.36	6.2	0.36	6.6										
911	3267		3134		3005		2868		2700		2492		2252							
	0.47	8.6	0.50	7.9	0.52	7.3	0.53	7.8	0.54	7.7	0.55	8.2	0.54	8.5						
1043	3813		3696		3581		3468		3353		3225		3068		2683					
	0.69	10.9	0.72	9.8	0.74	10.4	0.77	10.9	0.79	9.9	0.81	10.3	0.82	10.0	0.82	10.8				
1148	4242		4135		4029		3926		3823		3720		3607		3330		2976			
	0.91	12.5	0.94	13.4	0.97	12.0	1.00	12.4	1.02	13.0	1.05	11.7	1.07	12.2	1.09	12.0	1.09	12.7		
1314	4914		4820		4727		4634		4543		4453		4363		4176		3954		3683	
	1.34	15.7	1.38	16.6	1.41	17.3	1.44	15.3	1.48	15.8	1.51	16.2	1.54	16.8	1.59	15.5	1.62	14.7	1.64	15.5
1446	5444		5358		5273		5188		5104		5021		4939		4776		4606		4410	
	1.78	17.5	1.81	20	1.85	20	1.88	21	1.92	18.2	1.96	18.8	2.00	19.2	2.06	17.3	2.12	18.5	2.16	19.4
1656	6281		6206		6132		6057		5983		5909		5836		5692		5549		5406	
	2.64	20	2.68	23	2.72	26	2.76	25	2.81	26	2.85	26	2.90	23	2.98	24	3.06	25	3.13	22
1963	7497		7434		7371		7308		7245		7182		7119		6994		6870		6750	
	4.36	25	4.41	28	4.46	30	4.50	33	4.55	33	4.60	34	4.65	34	4.76	36	4.86	31	4.96	32
2247	8615		8560		8505		8450		8395		8340		8285		8175		8066		7958	
	6.50	29	6.56	32	6.61	35	6.67	38	6.73	41	6.78	43	6.84	42	6.95	44	7.07	45	7.19	38

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1314	3358																			
	1.63	16.1																		
1446	4178		3598																	
	2.18	18.2	2.16	19.4																
1656	5254		4889		4418		3577													
	3.19	23	3.26	23	3.28	24	3.06	24												
1963	6629		6389		6128		5804		5422		4983									
	5.05	33	5.23	30	5.36	32	5.44	30	5.47	31	5.44	32								
2247	7849		7639		7429		7214		6982		6697		6385		6012		5621			
	7.31	40	7.52	41	7.73	37	7.92	39	8.05	40	8.14	38	8.18	39	8.20	40	8.13	41		

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2122 SINGLE WIDTH SINGLE INLET

Wheel Diameter	22.25 inches	565 mm
Wheel Circumference	5.83 feet	1.777 m
Inlet Diameter/Area	29.94 inches dia./4.89 sq. ft.	760 mm/.4543 m²
Outlet Size/Area	29.94 inches I.D./4.89 sq. ft.	760 mm/.4543 m²
Tip Speed	5.82 x RPM ft./minute	1.774 x RPM m/minute
Maximum BHP	.889 x (RPM ÷ 1000)³ BHP	.6629 x (RPM ÷ 1000)³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2122 CL/1	1/4	449 - 655	366	416
2122 CL/1	1/3	486 - 719	370	420
2122 CL/1	1/2	565 - 825	377	427
2122 CL/1	3/4	648 - 945	377	427
2122 CL/1	1	700 - 1040	379	429
2122 CL/1	1-1/2	795 - 1190	386	436
2122 CL/1	2	989 - 1310	389	439
2122 CL/1	3	1191 - 1500	414	464
2122 CL/1	5	1453 - 1778	430	480
2122 CL/1	7-1/2	1622 - 2036	460	510
2122 CL/1	10	1828 - 2240	473	523

PERFORMANCE DATA																
CFM and Sones vs. Static Pressure																
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
449	1744															
	0.11	2.4														
655	3087		2887		2625		2278									
	0.32	4.2	0.33	4.6	0.34	5.2	0.34	5.6								
719	3463		3282		3089		2831		2510							
	0.41	5.8	0.43	5.5	0.45	5.8	0.46	6.3	0.45	6.7						
825	4078		3915		3759		3593		3391		3139		2848			
	0.60	6.8	0.62	7.8	0.65	7.2	0.67	7.3	0.69	7.9	0.69	8.3	0.68	8.7		
945	4761		4617		4476		4339		4203		4046		3858		3398	
	0.88	10.4	0.91	9.3	0.94	10.2	0.97	9.1	1.00	9.8	1.02	9.6	1.03	10.2	1.04	11.0
1040	5296		5164		5034		4906		4782		4660		4521		4185	
	1.15	12.0	1.19	10.6	1.22	11.5	1.26	12.4	1.30	11.0	1.32	11.6	1.35	11.2	1.38	12.3
1190	6131		6016		5900		5787		5674		5564		5456		5232	
	1.70	15.9	1.74	16.0	1.78	13.8	1.82	14.6	1.87	15.5	1.91	13.5	1.94	14.3	2.01	13.9
1310	6794		6689		6584		6480		6376		6274		6173		5976	
	2.25	17.8	2.29	18.2	2.34	19.5	2.38	16.6	2.43	17.4	2.48	18.3	2.52	15.8	2.61	17.2
1500	7837		7745		7653		7561		7470		7379		7289		7112	
	3.34	21	3.39	24	3.44	23	3.50	25	3.55	26	3.60	22	3.66	22	3.76	24
1778	9352		9274		9197		9119		9042		8965		8887		8734	
	5.52	25	5.58	28	5.64	31	5.70	30	5.76	32	5.82	33	5.88	34	6.01	29
2036	10751		10683		10616		10548		10480		10413		10345		10210	
	8.24	30	8.31	33	8.38	36	8.45	39	8.52	42	8.59	39	8.66	40	8.80	43
2240	11854		11793		11731		11670		11608		11547		11485		11362	
	10.94	34	11.02	37	11.09	40	11.17	43	11.25	46	11.32	49	11.40	46	11.56	48
PERFORMANCE DATA																
CFM and Sones vs. Static Pressure																
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1190	4251															
	2.07	16.6														
1310	5251		4557													
	2.76	18.3	2.75	19.7												
1500	6584		6145		5581		4802									
	4.03	21	4.14	23	4.16	24	4.02	25								
1778	8286		7999		7677		7294		6828		6312					
	6.39	28	6.59	30	6.77	28	6.88	30	6.92	32	6.89	33				
2036	9809		9551		9298		9045		8753		8414		8025		7600	
	9.23	39	9.52	34	9.77	37	10.00	39	10.19	36	10.32	38	10.39	40	10.40	41
2240	10996		10755		10520		10289		10063		9811		9539		9224	
	12.03	43	12.35	46	12.66	40	12.95	43	13.20	45	13.42	42	13.62	44	13.75	46
PERFORMANCE DATA																
CFM and Sones vs. Static Pressure																
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2240	8075		7610													
	13.80	50	13.68	51												

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2124 SINGLE WIDTH SINGLE INLET

Wheel Diameter	24.50 inches	622 mm
Wheel Circumference	6.41 feet	1.954 m
Inlet Diameter/Area	32.94 inches dia./5.92 sq. ft.	837 mm/.5500 m ²
Outlet Size/Area	32.94 inches I.D./5.92 sq. ft.	837 mm/.5500 m ²
Tip Speed	6.42 x RPM ft./minute	1.956 x RPM m/minute
Maximum BHP	1.824 x (RPM ÷ 1000) ³ BHP	1.360 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2124 CL/1	1/4	386 - 516	460	510
2124 CL/1	1/3	380 - 586	460	510
2124 CL/1	1/2	449 - 650	467	517
2124 CL/1	3/4	515 - 744	467	517
2124 CL/1	1	565 - 818	469	519
2124 CL/1	1-1/2	648 - 937	476	526
2124 CL/1	2	758 - 1031	479	529
2124 CL/1	3	918 - 1180	504	554
2124 CL/1	5	1185 - 1399	520	570
2124 CL/1	7-1/2	1313 - 1602	550	600
2124 CL/1	10	1453 - 1763	563	613

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
386	1873																			
	0.12	2.3																		
516	3108		2764		2212															
	0.26	3.3	0.27	4.0	0.26	4.4														
566	3513		3240		2879															
	0.34	4.0	0.36	4.5	0.36	5.0														
650	4176		3954		3709		3400		3010											
	0.49	4.6	0.52	5.1	0.54	5.8	0.55	6.4	0.54	6.8										
744	4904		4706		4512		4300		4057		3758		3389							
	0.71	6.7	0.74	6.4	0.78	6.6	0.80	7.3	0.82	7.9	0.82	8.4	0.81	8.7						
818	5469		5286		5108		4932		4737		4520		4257		3539					
	0.92	7.5	0.96	8.6	1.00	7.9	1.04	8.0	1.06	8.7	1.08	9.2	1.09	9.7	1.06	10.4				
937	6365		6204		6045		5890		5735		5581		5403		4994		4486			
	1.36	11.5	1.41	10.1	1.45	11.2	1.50	9.9	1.54	10.8	1.58	10.6	1.60	11.2	1.64	12.3	1.64	13.1		
1031	7066		6919		6773		6628		6488		6348		6208		5894		5519		5074	
	1.80	13.2	1.84	11.5	1.89	12.6	1.94	11.1	1.99	11.9	2.04	12.7	2.08	12.3	2.15	13.6	2.18	14.7	2.18	15.4
1180	8167		8038		7910		7782		7656		7531		7409		7163		6902		6608	
	2.66	17.8	2.72	17.6	2.77	14.9	2.82	16.0	2.88	17.0	2.94	14.7	3.00	15.5	3.10	15.3	3.18	16.4	3.24	17.6
1399	9770		9662		9554		9445		9337		9230		9123		8912		8706		8499	
	4.38	22	4.45	22	4.51	24	4.58	25	4.64	21	4.71	22	4.78	23	4.91	20	5.04	22	5.16	20
1602	11246		11152		11058		10963		10868		10774		10679		10493		10306		10125	
	6.53	25	6.61	28	6.68	28	6.76	29	6.83	31	6.90	25	6.98	26	7.13	28	7.29	25	7.44	26
1763	12413		12327		12241		12155		12069		11984		11898		11726		11557		11387	
	8.67	28	8.76	32	8.84	35	8.92	33	9.00	35	9.08	36	9.16	38	9.32	31	9.50	33	9.67	35

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1031	4395																			
	2.11	15.8																		
1180	6263		5406																	
	3.27	18.6	3.25	19.9																
1399	8287		7792		7186		6433													
	5.27	22	5.40	24	5.46	25	5.41	26												
1602	9945		9584		9174		8710		8155		7501									
	7.59	28	7.85	27	8.05	29	8.16	30	8.20	32	8.16	33								
1763	11221		10893		10565		10197		9795		9322		8817		8187					
	9.84	30	10.17	33	10.45	31	10.67	33	10.82	35	10.92	37	10.93	38	10.85	39				

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2127

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	27 inches	686 mm
Wheel Circumference	7.07 feet	2.155 m
Inlet Diameter/Area	36.44 inches dia./7.25 sq. ft.	926 mm/.6735 m²
Outlet Size/Area	36.44 inches I.D./7.25 sq. ft.	926 mm/.6735 m²
Tip Speed	7.07 x RPM ft./minute	2.155 x RPM m/minute
Maximum BHP	2.256 x (RPM ÷ 1000)³ BHP	1.682 x (RPM ÷ 1000)³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2127 CL/1	1/3	390-527	560	610
2127 CL/1	1/2	417-605	567	617
2127 CL/1	3/4	527-693	567	617
2127 CL/1	1	530-762	569	619
2127 CL/1	1-1/2	603-873	576	626
2127 CL/1	2	711-961	579	629
2127 CL/1	3	862-1100	604	654
2127 CL/1	5	1085-1304	620	670
2127 CL/1	7-1/2	1209-1492	650	700
2127 CL/1	10	1400-1643	663	713
2127 CL/1	15	1611-1880	747	797

Tubular Centrifugal

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
390	2761																			
	0.18	2.7																		
527	4344		3999		3584															
	0.40	6.3	0.43	5.9	0.44	5.3														
605	5175		4879		4574		4216		3802											
	0.58	8.6	0.62	8.5	0.64	7.9	0.67	7.4	0.67	7.1										
693	6084		5831		5573		5309		5004		4686		4284							
	0.85	11.5	0.89	11.0	0.93	10.7	0.96	10.3	0.99	9.8	1.01	9.2	1.00	9.1						
762	6785		6557		6324		6089		5849		5575		5290		4537					
	1.12	13.7	1.16	13.4	1.20	13.1	1.24	12.8	1.28	12.3	1.31	11.9	1.33	11.3	1.32	10.7				
873	7896		7699		7500		7296		7091		6886		6674		6185		5649			
	1.65	16.6	1.69	17.7	1.74	17.3	1.79	17.0	1.84	16.8	1.88	16.4	1.92	16.0	1.99	14.9	2.02	14.1		
961	8768		8589		8409		8228		8043		7857		7671		7286		6835		6369	
	2.17	18.5	2.23	21	2.28	21	2.33	20	2.39	20	2.44	20	2.49	19.8	2.58	19.0	2.65	18.0	2.69	17.0
1100	10133		9977		9821		9663		9505		9346		9183		8858		8528		8163	
	3.22	22	3.28	25	3.34	27	3.40	27	3.46	27	3.52	26	3.59	26	3.71	26	3.81	25	3.91	24
1304	12119		11987		11855		11724		11592		11459		11326		11057		10783		10508	
	5.31	27	5.38	30	5.46	34	5.52	37	5.60	38	5.67	38	5.74	37	5.88	36	6.04	36	6.17	35
1492	13937		13822		13707		13592		13477		13361		13246		13014		12781		12542	
	7.91	31	7.99	35	8.07	39	8.15	43	8.23	46	8.31	48	8.39	48	8.56	48	8.72	47	8.89	46
1643	15392		15287		15183		15078		14974		14869		14765		14556		14344		14133	
	10.52	36	10.61	40	10.70	44	10.79	47	10.88	51	10.97	54	11.06	58	11.24	59	11.41	58	11.59	57
1880	17669		17577		17486		17395		17303		17212		17121		16938		16755		16572	
	15.70	43	15.80	47	15.91	51	16.01	56	16.11	60	16.21	63	16.31	67	16.52	74	16.72	77	16.92	77

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
961	5675																			
	2.64	16.8																		
1100	7769		6855																	
	3.99	23	4.02	22																
1304	10231		9623		8954		8158													
	6.30	35	6.54	33	6.69	30	6.70	30												
1492	12302		11823		11327		10746		10157		9485		8051							
	9.07	46	9.36	45	9.65	43	9.89	41	10.04	38	10.06	38	9.46	38						
1643	13918		13482		13047		12599		12092		11564		11021		10383		9308			
	11.78	56	12.16	56	12.49	55	12.80	53	13.09	50	13.31	48	13.43	45	13.43	46	13.00	46		
1880	16387		16016		15635		15255		14874		14481		14055		13594		13133		12655	
	17.13	76	17.54	73	17.98	73	18.39	72	18.76	70	19.12	68	19.46	66	19.76	64	19.98	61	20.11	58

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1880	12116		11394																	
	20.14	59	19.92	59																

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class. Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels. All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

2100 SERIES

SIZE 2130

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	30 inches	762 mm
Wheel Circumference	7.85 feet	2.393 m
Inlet Diameter/Area	40.19 inches dia./8.81 sq. ft.	1021 mm/.8185 m ²
Outlet Size/Area	40.19 inches I.D./8.81 sq. ft.	1021 mm/.8185 m ²
Tip Speed	7.85 x RPM ft./minute	2.393 x RPM m/minute
Maximum BHP	3.826 x (RPM ÷ 1000) ³ BHP	2.853 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2130 CL/1	1/2	387 - 508	712	762
2130 CL/1	3/4	398 - 581	712	762
2130 CL/1	1	486 - 639	714	764
2130 CL/1	1-1/2	542 - 732	721	771
2130 CL/1	2	583 - 806	724	774
2130 CL/1	3	727 - 922	749	799
2130 CL/1	5	928 - 1093	765	815
2130 CL/1	7-1/2	1022 - 1251	795	845
2130 CL/1	10	1149 - 1377	808	858
2130 CL/1	15	1318 - 1577	892	942

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
387	3974		3307																	
	0.27	3.6	0.28	3.6																
508	5773		5407		4962		4446													
	0.56	7.3	0.60	7.0	0.62	7.0	0.63	6.9												
581	6782		6486		6158		5770		5355		4830									
	0.81	10.5	0.86	10.3	0.90	9.8	0.92	9.7	0.94	9.6	0.94	9.5								
639	7568		7305		7031		6721		6363		5991		5549							
	1.06	12.9	1.11	12.7	1.16	12.5	1.20	11.8	1.23	11.9	1.25	11.7	1.25	11.5						
732	8808		8585		8354		8114		7854		7564		7249		6561		5564			
	1.55	16.7	1.62	16.8	1.67	16.3	1.73	16.1	1.78	15.5	1.82	15.2	1.85	15.2	1.88	14.9	1.81	13.5		
806	9783		9583		9377		9167		8948		8716		8465		7894		7268		6473	
	2.03	19.2	2.11	21	2.18	20	2.24	19.9	2.30	19.7	2.36	19.1	2.40	18.5	2.48	18.5	2.52	18.1	2.47	18.5
922	11299		11124		10949		10769		10586		10399		10207		9788		9307		8794	
	2.99	23	3.08	27	3.16	28	3.24	28	3.32	27	3.39	26	3.46	26	3.57	25	3.67	24	3.74	24
1093	13514		13367		13219		13071		12924		12770		12616		12301		11978		11613	
	4.90	28	5.00	33	5.10	37	5.21	40	5.31	40	5.40	40	5.49	39	5.66	39	5.82	38	5.95	36
1251	15548		15419		15290		15161		15032		14903		14774		14504		14234		13952	
	7.28	34	7.39	39	7.50	44	7.62	48	7.74	51	7.86	52	7.98	52	8.18	52	8.38	51	8.57	50
1377	17163		17046		16929		16812		16695		16578		16460		16225		15979		15734	
	9.66	40	9.78	45	9.90	50	10.02	55	10.15	59	10.29	63	10.42	64	10.68	64	10.90	63	11.11	61
1577	19720		19617		19515		19413		19311		19209		19106		18901		18697		18487	
	14.43	50	14.57	56	14.70	62	14.84	67	14.97	72	15.12	77	15.27	82	15.58	89	15.88	89	16.16	88

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
922	8222																			
	3.77	24																		
1093	11213		10353		9321															
	6.07	36	6.24	35	6.25	34														
1251	13667		13007		12269		11488		10527											
	8.75	49	9.03	47	9.27	46	9.40	45	9.36	44										
1377	15481		14954		14355		13689		12999		12215		11276							
	11.32	61	11.72	59	12.03	56	12.31	56	12.48	55	12.56	54	12.39	54						
1577	18272		17839		17392		16901		16366		15785		15186		14572		13837		13016	
	16.40	86	16.89	83	17.37	81	17.76	78	18.11	75	18.44	75	18.67	74	18.82	73	18.85	72	18.65	73

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1577	11790																			
	17.96	64																		

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class. Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.

All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

SINGLE WIDTH SINGLE INLET

Wheel Diameter	33 inches	838 mm
Wheel Circumference	8.64 feet	2.633 m
Inlet Diameter/Area	44.56 inches dia./10.8 sq. ft.	1132 mm/1.003 m ²
Outlet Size/Area	44.56 inches I.D./10.8 sq. ft.	1132 mm/1.003 m ²
Tip Speed	8.64 x RPM ft./minute	2.633 x RPM m/minute
Maximum BHP	6.153 x (RPM + 1000) ³ BHP	4.588 x (RPM + 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2133 CL/1	1/2	300 - 433	852	902
2133 CL/1	3/4	373 - 496	852	902
2133 CL/1	1	380 - 546	854	904
2133 CL/1	1-1/2	417 - 625	861	911
2133 CL/1	2	527 - 688	864	914
2133 CL/1	3	597 - 787	889	939
2133 CL/1	5	747 - 933	905	955
2133 CL/1	7-1/2	833 - 1068	935	985
2133 CL/1	10	1000 - 1176	948	998
2133 CL/1	15	1096 - 1346	1032	1082
2133 CL/1	20	1247 - 1481	1045	1095

[illegible]

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B:
Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

2100 SERIES

SIZE 2137

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	36.50 inches	927 mm
Wheel Circumference	9.56 feet	2.914 m
Inlet Diameter/Area	49.06 inches dia./13.1 sq. ft.	1246 mm/1.217 m ²
Outlet Size/Area	49.06 inches I.D./13.1 sq. ft.	1246 mm/1.217 m ²
Tip Speed	9.55 x RPM ft./minute	2.911 x RPM m/minute
Maximum BHP	10.75 x (RPM ÷ 1000) ³ BHP	8.016 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2137 CL/1	3/4	315 - 412	1072	1132
2137 CL/1	1	344 - 453	1074	1134
2137 CL/1	1-1/2	386 - 519	1081	1141
2137 CL/1	2	398 - 571	1084	1144
2137 CL/1	3	516 - 654	1109	1169
2137 CL/1	5	583 - 775	1125	1185
2137 CL/1	7-1/2	682 - 887	1155	1215
2137 CL/1	10	801 - 976	1168	1228
2137 CL/1	15	938 - 1117	1252	1312
2137 CL/1	20	997 - 1230	1265	1325

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
315	5803		4691																	
	0.40	2.5	0.41	3.0																
412	8435		7842		7195		6309													
	0.81	4.4	0.87	4.6	0.91	4.8	0.92	5.3												
453	9487		8960		8420		7808		6984											
	1.05	5.3	1.12	5.2	1.18	5.4	1.22	5.9	1.22	6.3										
519	11130		10707		10237		9765		9254		8685		7879							
	1.52	6.7	1.61	7.1	1.69	6.8	1.75	6.9	1.81	7.4	1.84	7.8	1.83	8.1						
571	12403		12026		11622		11195		10766		10310		9814		8368					
	1.99	8.9	2.08	8.3	2.18	8.7	2.26	8.2	2.33	8.2	2.39	8.7	2.44	9.2	2.42	9.8				
654	14411		14083		13753		13404		13031		12657		12282		11456		10420			
	2.92	11.4	3.03	11.8	3.14	10.7	3.25	11.0	3.35	10.3	3.43	10.8	3.51	10.5	3.64	11.6	3.70	12.3		
775	17301		17024		16747		16469		16190		15891		15576		14945		14312		13592	
	4.75	15.7	4.88	16.5	5.01	17.0	5.14	15.4	5.28	15.8	5.40	16.2	5.52	14.7	5.73	16.0	5.91	15.9	6.06	16.9
887	19951		19709		19468		19226		18983		18739		18496		17959		17408		16856	
	7.03	18.7	7.18	20	7.32	22	7.47	22	7.62	19.9	7.78	20	7.94	21	8.21	18.9	8.46	20	8.68	21
976	22045		21826		21606		21386		21167		20947		20725		20282		19787		19287	
	9.30	21	9.46	24	9.62	25	9.78	25	9.95	26	10.11	23	10.28	24	10.62	24	10.93	22	11.21	23
1117	25349		25157		24965		24773		24581		24389		24197		23812		23425		23022	
	13.82	24	14.01	27	14.19	30	14.38	31	14.56	32	14.75	32	14.94	32	15.32	29	15.71	30	16.09	30
1230	27987		27813		27639		27465		27291		27116		26942		26593		26243		25891	
	18.37	28	18.57	31	18.78	34	18.98	37	19.19	38	19.39	38	19.60	39	20.01	40	20.43	36	20.86	36

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
775	12780																			
	6.14	17.7																		
887	16297		15021		13079															
	8.89	21	9.18	22	9.07	24														
976	18786		17752		16591		14978													
	11.46	24	11.90	24	12.21	25	12.21	27												
1117	22584		21709		20832		19864		18835		17408		14907							
	16.43	27	17.04	29	17.57	29	18.04	30	18.34	32	18.35	33	17.30	34						
1230	25540		24750		23956		23159		22318		21400		20376		19046		17083			
	21.29	36	22.05	34	22.71	36	23.31	34	23.85	36	24.27	38	24.54	40	24.48	41	23.64	41		

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2140

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	40.25 inches	1022 mm
Wheel Circumference	10.5 feet	3.200 m
Inlet Diameter/Area	54.31 inches dia./16.1 sq. ft.	1380 mm/1.496 m ²
Outlet Size/Area	54.31 inches I.D./16.1 sq. ft.	1380 mm/1.496 m ²
Tip Speed	10.5 x RPM ft./minute	3.200 x RPM m/minute
Maximum BHP	17.49 x (RPM ÷ 1000) ³ BHP	13.04 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2140 CL/1	3/4	268 - 350	1457	1517
2140 CL/1	1	288 - 385	1459	1519
2140 CL/1	1-1/2	344 - 441	1466	1526
2140 CL/1	2	324 - 485	1469	1529
2140 CL/1	3	430 - 556	1494	1554
2140 CL/1	5	524 - 659	1510	1570
2140 CL/1	7-1/2	590 - 754	1540	1600
2140 CL/1	10	686 - 830	1553	1613
2140 CL/1	15	805 - 950	1637	1697
2140 CL/1	20	868 - 1046	1650	1710
2140 CL/1	25	977 - 1126	1756	1816

Tubular Centrifugal

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
268	6318																			
	0.41	2.2																		
350	9420		8649		7678															
	0.83	3.5	0.89	4.0	0.92	4.5														
385	10656		9957		9188		8295													
	1.07	3.9	1.15	4.4	1.20	5.1	1.23	5.6												
441	12550		11977		11366		10715		9945		8997									
	1.55	5.7	1.65	5.6	1.73	5.8	1.79	6.4	1.84	6.9	1.84	7.3								
485	14008		13517		12965		12410		11818		11118		10384							
	2.01	6.5	2.12	6.2	2.23	7.0	2.31	7.1	2.38	7.6	2.44	8.1	2.46	8.5						
556	16326		15900		15471		14988		14503		14018		13478		12255		10148			
	2.95	9.7	3.08	8.7	3.21	8.1	3.33	8.8	3.43	8.8	3.52	9.4	3.60	9.9	3.70	10.8	3.52	11.3		
659	19641		19282		18923		18561		18183		17774		17366		16546		15582		14550	
	4.80	12.6	4.94	13.9	5.09	11.9	5.25	12.8	5.40	11.4	5.54	12.2	5.66	11.8	5.88	13.1	6.06	14.1	6.16	15.0
754	22666		22353		22039		21725		21409		21093		20752		20038		19323		18598	
	7.08	17.2	7.25	17.4	7.42	18.8	7.59	16.0	7.76	16.9	7.94	17.8	8.11	15.7	8.42	17.2	8.68	17.0	8.90	18.2
830	25072		24787		24502		24217		23932		23645		23357		22745		22096		21447	
	9.37	19.6	9.55	20	9.74	22	9.92	23	10.11	19.7	10.30	21	10.50	22	10.87	19.7	11.22	21	11.50	21
950	28851		28602		28353		28104		27855		27606		27357		26855		26345		25778	
	13.92	23	14.13	26	14.34	26	14.55	27	14.76	28	14.98	24	15.19	24	15.63	26	16.07	23	16.49	24
1046	31862		31636		31410		31184		30958		30732		30506		30053		29597		29141	
	18.48	25	18.71	28	18.94	31	19.18	30	19.41	32	19.64	33	19.88	27	20.35	29	20.84	30	21.32	26
1126	34366		34156		33946		33736		33526		33316		33106		32686		32264		31840	
	22.97	28	23.22	31	23.47	34	23.72	34	23.97	35	24.23	36	24.48	37	24.98	32	25.49	33	26.02	34

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
659	13084																			
	6.08	15.6																		
754	17698		15716																	
	9.09	19.2	9.23	21																
830	20795		19231		17437															
	11.76	22	12.17	24	12.32	26														
950	25211		24075		22798		21368		19673											
	16.87	26	17.49	26	18.03	28	18.40	30	18.44	31										
1046	28634		27603		26572		25458		24160		22857		20959							
	21.78	28	22.63	30	23.31	29	23.91	32	24.39	33	24.69	35	24.38	36						
1126	31417		30475		29518		28559		27539		26334		25125		23729		21549			
	26.54	30	27.54	33	28.38	32	29.11	34	29.76	36	30.31	38	30.68	39	30.77	41	29.90	42		

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

2100 SERIES

SIZE 2145

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	44.50 inches	1130 mm
Wheel Circumference	11.7 feet	3.566 m
Inlet Diameter/Area	60.38 inches dia./19.9 sq. ft.	1534 mm/1.849 m ²
Outlet Size/Area	60.38 inches I.D./19.9 sq. ft.	1534 mm/1.849 m ²
Tip Speed	11.7 x RPM ft./minute	3.566 x RPM m/minute
Maximum BHP	28.86 x (RPM ÷ 1000) ³ BHP	21.52 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2145 CL/1	1	222 - 326	1889	1954
2145 CL/1	1-1/2	290 - 373	1896	1961
2145 CL/1	2	315 - 411	1899	1964
2145 CL/1	3	389 - 470	1924	1989
2145 CL/1	5	430 - 558	1940	2005
2145 CL/1	7-1/2	516 - 638	1970	2035
2145 CL/1	10	524 - 702	1983	2048
2145 CL/1	15	655 - 804	2067	2132
2145 CL/1	20	730 - 885	2080	2145
2145 CL/1	25	799 - 953	2186	2251
2145CL/1	30	868 - 1013	2270	2345

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
222	6532																			
	0.39	2.0																		
326	11968		11053		10014		8234													
	1.10	3.4	1.18	4.2	1.23	4.8	1.19	5.2												
373	14167		13389		12588		11701		10484											
	1.57	4.3	1.68	4.8	1.77	5.6	1.82	6.1	1.84	6.5										
411	15885		15218		14493		13766		12959		11921		10234							
	2.05	5.8	2.18	5.8	2.29	6.1	2.38	6.7	2.44	7.2	2.47	7.6	2.36	7.8						
470	18509		17950		17354		16720		16085		15432		14694		12576					
	2.98	6.9	3.12	6.7	3.27	7.5	3.40	7.6	3.51	8.2	3.59	8.8	3.66	9.3	3.63	10.0				
558	22359		21890		21419		20944		20410		19876		19342		18245		16926		15044	
	4.85	11.1	5.02	9.8	5.19	9.0	5.36	9.8	5.53	9.8	5.68	10.4	5.82	11.1	6.02	12.1	6.16	13.2	6.09	13.7
638	25816		25406		24997		24585		24171		23730		23263		22329		21393		20392	
	7.14	13.5	7.33	11.7	7.52	12.8	7.71	13.9	7.90	12.2	8.10	13.2	8.29	12.6	8.63	14.0	8.90	15.3	9.08	16.3
702	28563		28191		27818		27445		27071		26695		26312		25464		24615		23764	
	9.42	15.8	9.63	17.5	9.84	14.8	10.05	15.9	10.26	17.1	10.47	14.9	10.68	15.8	11.11	15.8	11.48	17.3	11.78	18.5
804	32916		32591		32266		31940		31615		31289		30962		30306		29577		28836	
	13.99	22	14.24	22	14.48	23	14.72	19.7	14.97	21	15.21	22	15.45	23	15.93	21	16.42	21	16.89	22
885	36357		36062		35766		35471		35175		34880		34584		33989		33394		32739	
	18.55	24	18.82	25	19.09	27	19.35	28	19.62	23	19.89	24	20.16	26	20.69	23	21.22	25	21.76	26
953	39238		38964		38689		38415		38141		37866		37592		37042		36489		35936	
	23.07	26	23.36	30	23.65	29	23.94	31	24.22	32	24.51	26	24.80	27	25.38	29	25.94	26	26.52	28
1013	41775		41517		41259		41001		40743		40485		40227		39711		39192		38672	
	27.63	28	27.94	31	28.24	31	28.55	33	28.86	34	29.16	36	29.47	29	30.08	31	30.69	33	31.29	28

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
543	19682																			
	9.14	15.8																		
598	24682		20888																	
	12.23	17.8	12.06	18.9																
685	31041		28855		26175															
	17.63	20	18.29	22	18.53	24														
754	35639		33900		31885		29593		26034											
	22.78	23	23.63	25	24.36	27	24.74	29	24.04	30										
812	39413		37798		36179		34256		32139		29239									
	27.76	25	28.82	28	29.69	30	30.45	32	30.86	34	30.51	35								
863	42676		41156		39637		38052		36235		34236		31621							
	32.64	26	33.88	29	34.94	32	35.84	34	36.60	36	37.03	38	36.81	39						
949	48030		46703		45321		43940		42558		40970		39294		37420		35049		30847	
	42.15	27	43.64	30	45.00	32	46.20	35	47.20	37	48.19	39	48.85	41	49.28	43	49.06	44	46.42	44

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2149

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	49 inches	1245 mm
Wheel Circumference	12.9 feet	3.932 m
Inlet Diameter/Area	66.25 inches dia./23.9 sq. ft.	1683 mm/2.220 m ²
Outlet Size/Area	66.25 inches I.D./23.9 sq. ft.	1683 mm/2.220 m ²
Tip Speed	12.9 x RPM ft./minute	3.932 x RPM m/minute
Maximum BHP	46.74 x (RPM ÷ 1000) ³ BHP	34.85 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 1

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2149 CL/1	1	216 - 278	2334	2404
2149 CL/1	1-1/2	222 - 318	2341	2411
2149 CL/1	2	268 - 350	2344	2414
2149 CL/1	3	318 - 400	2369	2439
2149 CL/1	5	366 - 475	2385	2455
2149 CL/1	7-1/2	413 - 543	2415	2485
2149 CL/1	10	478 - 598	2428	2498
2149 CL/1	15	541 - 685	2512	2582
2149 CL/1	20	593 - 754	2525	2595
2149 CL/1	25	682 - 812	2631	2701
2149 CL/1	30	728 - 863	2640	2710
2149 CL/1	40	814 - 949	2697	2767

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
216	9078																			
	0.57	2.3																		
278	13347		12126		10526															
	1.13	3.2	1.20	4.0	1.24	4.5														
318	15903		14872		13780		12452													
	1.61	3.7	1.72	4.6	1.81	5.3	1.86	5.8												
350	17860		16963		16026		14996		13781		11749									
	2.09	4.1	2.23	5.1	2.34	5.8	2.43	6.4	2.47	6.9	2.37	7.1								
400	20855		20130		19319		18500		17652		16669		15549							
	3.02	4.7	3.18	5.8	3.34	6.6	3.46	7.2	3.57	7.8	3.65	8.3	3.70	8.7						
475	25263		24656		24045		23383		22693		22003		21313		19685		17581			
	4.89	6.3	5.08	6.8	5.28	7.7	5.47	8.5	5.64	9.1	5.79	9.8	5.92	10.4	6.12	11.3	6.16	12.1		
543	29205		28675		28144		27609		27053		26450		25846		24639		23290		21756	
	7.17	8.9	7.39	8.5	7.61	8.8	7.84	9.6	8.06	10.4	8.27	11.2	8.46	11.8	8.77	13.1	9.06	14.1	9.21	15.1
598	32369		31887		31405		30922		30437		29945		29397		28301		27205		26008	
	9.48	10.1	9.72	9.5	9.96	9.7	10.21	10.6	10.46	11.5	10.70	12.3	10.93	13.1	11.35	14.5	11.70	15.8	12.01	16.8
685	37340		36920		36499		36079		35658		35235		34811		33912		32955		31998	
	14.08	12.3	14.35	13.9	14.63	12.6	14.90	12.0	15.18	13.1	15.47	14.0	15.75	14.9	16.30	16.5	16.81	17.9	17.25	19.2
754	41263		40881		40499		40117		39735		39353		38969		38199		37378		36509	
	18.64	19.1	18.95	16.2	19.25	17.8	19.56	15.8	19.86	14.8	20.16	15.8	20.48	16.7	21.11	18.5	21.71	20	22.28	22
812	44551		44196		43841		43486		43132		42777		42422		41709		40994		40220	
	23.18	22	23.51	18.3	23.84	19.9	24.16	17.6	24.49	18.9	24.82	17.3	25.15	18.4	25.82	20	26.50	22	27.14	23
863	47435		47102		46768		46434		46100		45766		45433		44764		44092		43419	
	27.74	24	28.09	26	28.44	21	28.78	23	29.13	20	29.48	21	29.83	19.4	30.53	21	31.25	23	31.97	24
949	52289		51986		51682		51379		51075		50772		50468		49861		49253		48642	
	36.72	27	37.11	29	37.49	24	37.87	25	38.26	26	38.64	23	39.02	24	39.79	22	40.56	24	41.35	25

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
543	19682																			
	9.14	15.8																		
598	24682		20888																	
	12.23	17.8	12.06	18.9																
685	31041		28855		26175															
	17.63	20	18.29	22	18.53	24														
754	35639		33900		31885		29593		26034											
	22.78	23	23.63	25	24.36	27	24.74	29	24.04	30										
812	39413		37798		36179		34256		32139		29239									
	27.76	25	28.82	28	29.69	30	30.45	32	30.86	34	30.51	35								
863	42676		41156		39637		38052		36235		34236		31621							
	32.64	26	33.88	29	34.94	32	35.84	34	36.60	36	37.03	38	36.81	39						
949	48030		46703		45321		43940		42558		40970		39294		37420		35049		30847	
	42.15	27	43.64	30	45.00	32	46.20	35	47.20	37	48.19	39	48.85	41	49.28	43	49.06	44	46.42	44

2100 SERIES

SIZE 2115

SINGLE WIDTH
SINGLE INLET

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2115 CL/2	5	2695 - 3140	305	355

Wheel Diameter	15 inches	3.81 mm
Wheel Circumference	3.93 feet	1.198 m
Inlet Diameter/Area	20.13 inches dia./2.21 sq. ft.	511 mm/.2053 m ²
Outlet Size/Area	20.13 inches I.D./2.21 sq. ft.	511 mm/.2053 m ²
Tip Speed	3.93 x RPM ft./minute	1.198 x RPM m/minute
Maximum BHP	.128 x (RPM + 1000) ³ BHP	.0955 x (RPM + 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2695	3899		3862		3826		3790		3753		3716		3680		3607		3535	
	2.74	27	2.77	30	2.79	34	2.82	37	2.84	40	2.87	41	2.89	41	2.94	42	3.00	42
3140	4564		4533		4503		4472		4440		4409		4377		4314		4252	
	4.32	32	4.34	36	4.37	39	4.40	42	4.43	46	4.46	49	4.49	52	4.55	54	4.61	56

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2695	3395		3254		3102		2937		2746		2529		1532					
	3.11	41	3.21	40	3.29	40	3.36	40	3.40	39	3.41	37	2.78	35				
3140	4128		4007		3887		3765		3634		3493		3343		3176		2991	
	4.73	56	4.86	56	4.98	55	5.09	54	5.20	55	5.28	55	5.34	55	5.38	53	5.39	51

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
3140	809																	
	3.32	40																

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B:
Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2118

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	18.25 inches	464 mm
Wheel Circumference	4.78 feet	1.457 m
Inlet Diameter/Area	24.56 inches dia./3.29 sq. ft.	624 mm/.3056 m ²
Outlet Size/Area	24.56 inches I.D./3.29 sq. ft.	624 mm/.3056 m ²
Tip Speed	4.78 x RPM ft./minute	1.457 x RPM m/minute
Maximum BHP	.417 x (RPM ÷ 1000) ³ BHP	.3110 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2118 CL/2	7-1/2	2297 - 2560	395	445
2118 CL/2	10	2369 - 2800	408	458
2118 CL/2	15	2800 - 3030	492	542

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2297	5413		5368		5322		5277		5231		5186		5141		5050		4959		4859	
	4.66	8.0	4.70	9.1	4.74	10.1	4.78	10.8	4.82	10.8	4.86	10.8	4.90	10.7	4.98	10.7	5.06	10.8	5.13	10.7
2560	6053		6012		5971		5930		5890		5849		5808		5727		5645		5564	
	6.42	8.9	6.47	10.1	6.51	11.2	6.56	12.2	6.60	12.8	6.65	12.9	6.70	12.9	6.78	12.8	6.88	12.7	6.97	12.9
2800	6635		6597		6560		6523		6486		6448		6411		6337		6262		6188	
	8.39	9.8	8.44	11.1	8.48	12.3	8.53	13.3	8.58	14.4	8.63	15.0	8.68	15.2	8.78	15.2	8.88	15.0	8.98	14.9
3030	7191		7157		7122		7088		7054		7019		6985		6916		6847		6778	
	10.61	10.8	10.66	12.2	10.72	13.4	10.77	14.5	10.82	15.5	10.88	16.4	10.93	17.2	11.04	17.4	11.14	17.4	11.25	17.2

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2297	4759		4551		4338		4098		3838		3557		3244							
	5.19	10.5	5.31	12.0	5.43	13.1	5.50	14.0	5.54	14.7	5.54	15.3	5.50	15.8						
2560	5478		5298		5111		4924		4724		4496		4263		4015		3734		3429	
	7.05	12.9	7.20	12.7	7.33	14.1	7.46	15.2	7.57	16.1	7.62	16.9	7.67	17.6	7.68	18.2	7.63	18.7	7.54	19.0
2800	6113		5957		5791		5620		5450		5272		5080		4868		4655		4432	
	9.08	15.0	9.26	14.9	9.42	14.8	9.56	16.2	9.71	17.3	9.84	18.2	9.94	19.0	9.98	19.7	10.03	20	10.06	21
3030	6710		6572		6424		6271		6113		5955		5797		5627		5441		5244	
	11.36	17.0	11.57	17.2	11.76	17.0	11.93	16.9	12.09	18.3	12.24	19.3	12.40	20	12.53	21	12.61	22	12.66	22

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2800	4175		3918		3455															
	10.00	21	9.95	22	9.52	22														
3030	5047		4848		4612		4374		4137											
	12.71	23	12.76	24	12.70	24	12.64	24	12.58	25										

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 ft (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B:
Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2120 SINGLE WIDTH SINGLE INLET

Wheel Diameter	20 inches	508 mm
Wheel Circumference	5.24 feet	1.597 m
Inlet Diameter/Area	27 inches dia./3.98 sq. ft.	686 mm/.3698 m ²
Outlet Size/Area	27 inches I.D./3.98 sq. ft.	686 mm/.3698 m ²
Tip Speed	5.24 x RPM ft/minute	1.597 x RPM m/minute
Maximum BHP	.661 x (RPM ÷ 1000) ³ BHP	.4929 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2120 CL/2	10	2123 - 2420	478	528
2120 CL/2	15	2420 - 2750	562	612

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2123	8127		8069		8011		7953		7894		7836		7778		7662		7547		7432	
	5.50	27	5.55	30	5.60	33	5.65	36	5.71	39	5.76	38	5.81	39	5.92	40	6.03	42	6.15	36
2420	9295		9244		9193		9142		9091		9039		8988		8886		8784		8683	
	8.10	32	8.16	35	8.22	38	8.28	41	8.34	44	8.40	46	8.46	49	8.59	49	8.71	50	8.83	51
2750	10589		10544		10499		10454		10409		10364		10319		10229		10139		10049	
	11.85	38	11.92	41	11.99	45	12.06	48	12.12	51	12.19	54	12.26	56	12.40	62	12.54	61	12.67	63

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2123	7321		7098		6876		6632		6337		6004		5608		5164					
	6.25	37	6.45	39	6.64	35	6.77	37	6.87	34	6.90	36	6.91	37	6.80	38				
2420	8582		8383		8188		7993		7795		7580		7329		7052		6739		6390	
	8.96	44	9.21	46	9.44	47	9.67	41	9.88	44	10.02	46	10.13	47	10.20	43	10.24	45	10.24	46
2750	9959		9782		9605		9433		9262		9090		8918		8731		8542		8308	
	12.81	64	13.10	67	13.40	58	13.66	59	13.92	61	14.17	53	14.43	55	14.60	57	14.76	59	14.88	61

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2420	6023																			
	10.14	47																		
2750	8065		7808		7505		7195		6870											
	14.96	54	15.00	56	15.04	57	15.01	58	14.90	59										

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2122

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	22.25 inches	565 mm
Wheel Circumference	5.83 feet	1.777 m
Inlet Diameter/Area	29.94 inches dia./4.89 sq. ft.	760 mm/.4543 m ²
Outlet Size/Area	29.94 inches I.D./4.89 sq. ft.	760 mm/.4543 m ²
Tip Speed	5.82 x RPM ft./minute	1.774 x RPM m/minute
Maximum BHP	.889 x (RPM ÷ 1000) ³ BHP	.6629 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2122 CL/2	10	1694 - 2010	513	563
2122 CL/2	15	2010 - 2300	597	647
2122 CL/2	20	2300 - 2484	610	660

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1694	8895		8814		8732		8651		8570		8489		8407		8245		8090		7935	
	4.78	24	4.84	27	4.90	30	4.96	28	5.02	30	5.07	31	5.13	26	5.25	27	5.36	29	5.46	25
2010	10610		10542		10473		10405		10336		10268		10199		10062		9925		9788	
	7.93	29	8.00	33	8.07	36	8.14	39	8.21	37	8.28	39	8.35	40	8.48	42	8.62	35	8.76	37
2300	12178		12118		12058		11998		11939		11879		11819		11699		11579		11460	
	11.83	35	11.91	38	11.99	41	12.07	45	12.15	47	12.23	50	12.31	47	12.47	50	12.63	52	12.78	55
2484	13171		13115		13060		13004		12949		12894		12838		12727		12616		12505	
	14.88	38	14.96	42	15.05	46	15.14	49	15.22	52	15.31	55	15.39	57	15.56	56	15.73	58	15.90	61

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1694	7780		7470		7052		6632		6052		5068									
	5.57	26	5.79	25	5.88	27	5.98	29	5.93	30	5.60	30								
2010	9657		9396		9135		8874		8525		8172		7815		7313		6811			
	8.89	38	9.14	34	9.40	36	9.66	39	9.78	36	9.89	38	10.00	39	9.92	40	9.85	42		
2300	11340		11105		10877		10648		10420		10192		9901		9593		9284		8975	
	12.94	44	13.25	48	13.54	51	13.83	44	14.13	46	14.42	49	14.58	45	14.72	46	14.84	48	14.98	50
2484	12395		12173		11958		11746		11535		11324		11113		10883		10598		10312	
	16.08	64	16.42	52	16.74	55	17.06	58	17.38	50	17.69	52	18.01	55	18.28	49	18.42	51	18.56	53

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
2300	8545		8106		7667															
	14.90	51	14.81	52	14.73	53														
2484	10026		9740		9362		8956		8550											
	18.70	55	18.84	56	18.80	58	18.71	59	18.61	60										

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2124 SINGLE WIDTH SINGLE INLET

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2124 CL/2	15	1747 - 1965	682	732
2124 CL/2	20	1838 - 2170	695	745

Wheel Diameter	24.50 inches	622 mm
Wheel Circumference	6.41 feet	1.954 m
Inlet Diameter/Area	32.94 inches dia./5.92 sq. ft.	837 mm/.5500 m ²
Outlet Size/Area	32.94 inches I.D./5.92 sq. ft.	837 mm/.5500 m ²
Tip Speed	6.42 x RPM ft./minute	1.956 x RPM m/minute
Maximum BHP	1.824 x (RPM ÷ 1000) ³ BHP	1.360 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1747	12297		12210		12124		12037		11951		11864		11777		11604		11433		11262	
	8.44	28	8.52	31	8.60	34	8.68	33	8.76	34	8.84	36	8.92	38	9.09	31	9.26	33	9.43	35
1965	13872		13795		13718		13641		13564		13487		13410		13256		13102		12950	
	11.97	33	12.06	36	12.15	39	12.24	42	12.33	40	12.42	42	12.51	43	12.69	46	12.87	37	13.06	39
2170	15350		15281		15211		15141		15071		15002		14932		14792		14653		14513	
	16.07	38	16.17	41	16.27	44	16.37	48	16.47	51	16.57	47	16.67	49	16.87	52	17.07	56	17.27	44

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1747	11095		10764		10433		10056		9645		9154		8628		7976					
	9.59	30	9.92	33	10.20	31	10.41	33	10.55	35	10.64	36	10.63	38	10.53	39				
1965	12798		12498		12204		11909		11603		11262		10894		10472		10019		9513	
	13.25	41	13.63	36	14.00	39	14.33	36	14.62	39	14.85	41	15.00	43	15.10	44	15.14	46	15.11	47
2170	14374		14099		13828		13561		13295		13028		12738		12429		12096		11734	
	17.48	46	17.90	50	18.32	43	18.73	46	19.11	49	19.46	45	19.75	47	20.00	49	20.16	51	20.30	53

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1965	8920																			
	14.97	48																		
2170	11324		10914		10433		9891		8757											
	20.38	55	20.38	56	20.34	58	20.18	58	19.16	58										

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class. Performance certified for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels. All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2127

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	27 inches	686 mm
Wheel Circumference	7.07 feet	2.155 m
Inlet Diameter/Area	36.44 inches dia./7.25 sq. ft.	926 mm/.6735 m ²
Outlet Size/Area	36.44 inches I.D./7.25 sq. ft.	926 mm/.6735 m ²
Tip Speed	7.07 x RPM ft./minute	2.155 x RPM m/minute
Maximum BHP	2.256 x (RPM ÷ 1000) ³ BHP	1.682 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2127 CL/2	15	1545 - 1870	795	855
2127 CL/2	20	1491 - 1870	782	842
2127 CL/2	25	1838 - 2015	901	961

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1491	13927		13812		13697		13582		13467		13351		13236		13003		12770	
	7.89	31	7.97	35	8.06	39	8.14	42	8.22	46	8.30	48	8.38	48	8.54	48	8.70	47
1710	16036		15936		15835		15735		15635		15534		15434		15233		15031	
	11.85	38	11.94	42	12.03	46	12.13	50	12.22	53	12.31	57	12.40	60	12.59	64	12.78	63
1870	17573		17481		17389		17297		17205		17114		17022		16838		16654	
	15.46	42	15.56	47	15.66	51	15.76	55	15.86	59	15.96	63	16.06	66	16.27	73	16.47	76
2015	18963		18877		18792		18707		18622		18537		18451		18281		18111	
	19.30	47	19.41	52	19.52	56	19.63	61	19.74	65	19.85	69	19.96	72	20.18	80	20.39	86

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1491	12292		11812		11315		10734		10143		9470		7766					
	9.05	46	9.35	45	9.64	43	9.87	41	10.02	38	10.04	38	9.24	37				
1710	14624		14206		13788		13364		12922		12415		11909		11382		10731	
	13.14	61	13.55	60	13.91	60	14.24	58	14.57	56	14.85	54	15.05	51	15.16	49	15.12	49
1870	16284		15910		15528		15145		14762		14366		13931		13467		13003	
	16.87	75	17.28	72	17.73	72	18.12	71	18.49	69	18.85	67	19.19	66	19.47	63	19.69	60
2015	17769		17424		17075		16720		16365		16010		15645		15274		14844	
	20.83	88	21.27	86	21.72	83	22.20	83	22.62	82	23.02	81	23.41	79	23.80	77	24.14	75

PERFORMANCE DATA																		
CFM and Sones vs. Static Pressure																		
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1870	11967		11192															
	19.82	58	19.54	58														
2015	13981		13534		13030		12388		11505									
	24.64	69	24.77	67	24.80	67	24.62	67	24.07	67								

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class. Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels. All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2130

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	30 inches	762 mm
Wheel Circumference	7.85 feet	2.393 m
Inlet Diameter/Area	40.19 inches dia./8.81 sq. ft.	1021 mm/.8185 m ²
Outlet Size/Area	40.19 inches I.D./8.81 sq. ft.	1021 mm/.8185 m ²
Tip Speed	7.85 x RPM ft./minute	2.393 x RPM m/minute
Maximum BHP	3.826 x (RPM ÷ 1000) ³ BHP	2.853 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2130 CL/2	20	1443 - 1615	930	990
2130 CL/2	25	1504 - 1740	1036	1096
2130 CL/2	30	1546 - 1850	1045	1105

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1443	18008		17896		17784		17673		17561		17449		17337		17113		16883		16649	
	11.10	43	11.22	48	11.34	54	11.47	58	11.60	63	11.74	68	11.88	71	12.16	72	12.41	71	12.64	69
1615	20204		20105		20005		19905		19806		19706		19606		19406		19206		19004	
	15.49	52	15.62	58	15.76	64	15.90	70	16.04	75	16.18	80	16.34	85	16.65	94	16.96	95	17.27	94
1740	21798		21705		21613		21520		21428		21335		21243		21057		20871		20686	
	19.32	59	19.47	65	19.62	71	19.77	77	19.92	83	20.07	89	20.22	94	20.55	105	20.89	112	21.23	112
1850	23199		23112		23025		22938		22851		22764		22677		22502		22327		22153	
	23.18	64	23.34	71	23.50	77	23.66	83	23.81	90	23.97	96	24.13	101	24.47	112	24.83	122	25.19	127

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1443	16414		15926		15388		14786		14141		13479		12703		11799					
	12.86	68	13.30	66	13.65	63	13.98	62	14.23	61	14.39	61	14.45	59	14.25	60				
1615	18794		18375		17939		17478		16979		16418		15838		15248		14595		13849	
	17.52	92	18.02	88	18.51	86	18.95	83	19.31	80	19.68	80	19.95	79	20.13	78	20.24	77	20.19	76
1740	20499		20110		19719		19313		18888		18428		17921		17394		16852		16301	
	21.56	112	22.10	108	22.64	105	23.17	102	23.65	100	24.04	96	24.43	95	24.78	94	25.05	94	25.22	92
1850	21978		21620		21254		20882		20501		20101		19668		19203		18714		18205	
	25.54	128	26.19	126	26.77	122	27.34	120	27.90	118	28.41	115	28.82	110	29.24	108	29.65	108	29.95	107

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1615	13014																			
	19.90	78																		
1740	15678		14986		14223		13136													
	25.32	91	25.26	90	24.99	92	24.26	80												
1850	17692		17173		16562		15904		15187											
	30.18	106	30.36	104	30.44	103	30.36	102	30.07	104										

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2133

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	33 inches	838 mm
Wheel Circumference	8.64 feet	2.633 m
Inlet Diameter/Area	44.56 inches dia./10.8 sq. ft.	1132 mm/1.003 m ²
Outlet Size/Area	44.56 inches I.D./10.8 sq. ft.	1132 mm/1.003 m ²
Tip Speed	8.64 x RPM ft./minute	2.633 x RPM m/minute
Maximum BHP	6.153 x (RPM + 1000) ³ BHP	4.588 x (RPM + 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2133 CL/2	25	1301 - 1480	1216	1276
2133 CL/2	30	1443 - 1560	1225	1285
2133 CL/2	40	1460 - 1721	1282	1342

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1301	21604		21468		21332		21196		21060		20923		20787		20514		20232		19946	
	13.10	41	13.25	47	13.40	52	13.55	57	13.70	61	13.84	60	13.99	62	14.29	64	14.58	68	14.88	58
1480	24647		24527		24408		24288		24169		24049		23929		23689		23449		23208	
	19.19	52	19.36	57	19.53	63	19.70	69	19.87	74	20.04	79	20.20	83	20.54	82	20.88	84	21.22	87
1560	26004		25891		25777		25664		25551		25437		25324		25096		24868		24640	
	22.43	56	22.61	63	22.79	69	22.97	75	23.15	80	23.32	86	23.50	91	23.86	92	24.21	95	24.57	98
1721	28732		28630		28527		28424		28322		28219		28116		27910		27704		27497	
	30.03	67	30.23	74	30.43	80	30.62	88	30.82	94	31.02	100	31.21	106	31.61	117	32.00	116	32.39	120

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1301	19659		19063		18398		17655		16864		16055		15069		13950					
	15.17	60	15.67	62	16.12	53	16.52	55	16.86	56	17.01	58	17.01	52	16.75	54				
1480	22957		22454		21932		21386		20789		20123		19432		18725		17967		17088	
	21.55	74	22.22	78	22.80	81	23.35	68	23.85	71	24.29	73	24.68	74	24.95	75	25.06	67	25.03	69
1560	24409		23932		23449		22951		22416		21849		21210		20555		19887		19206	
	24.92	100	25.63	86	26.30	89	26.91	93	27.46	78	27.99	80	28.45	82	28.86	84	29.18	85	29.34	86
1721	27291		26872		26439		26005		25554		25104		24594		24077		23498		22910	
	32.78	122	33.57	128	34.35	108	35.12	112	35.78	115	36.45	119	37.03	98	37.60	101	38.11	103	38.59	104

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1480	16111		14478																	
	24.76	70	23.68	71																
1560	18399		17520		16517															
	29.38	77	29.22	79	28.76	80														
1721	22308		21697		21058		20327		19533		17539									
	39.02	105	39.25	107	39.40	109	39.44	96	39.28	98	38.04	100								

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2137

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	36.50 inches	927 mm
Wheel Circumference	9.56 feet	2.914 m
Inlet Diameter/Area	49.06 inches dia./13.1 sq. ft.	1246 mm/1.217 m ²
Outlet Size/Area	49.06 inches I.D./13.1 sq. ft.	1246 mm/1.217 m ²
Tip Speed	9.55 x RPM ft./minute	2.911 x RPM m/minute
Maximum BHP	10.75 x (RPM ÷ 1000) ³ BHP	8.016 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2137 CL/2	25	1047 - 1210	1431	1496
2137 CL/2	30	1188 - 1320	1440	1505
2137 CL/2	40	1320 - 1450	1497	1562

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1047	23711		23506		23301		23097		22892		22687		22482		22069		21649		21182	
	11.42	22	11.60	25	11.77	28	11.95	28	12.12	28	12.30	29	12.47	26	12.84	26	13.20	27	13.52	24
1210	27521		27344		27167		26990		26812		26635		26458		26103		25747		25389	
	17.50	28	17.70	31	17.90	34	18.10	36	18.30	37	18.51	37	18.71	38	19.11	39	19.53	35	19.96	35
1320	30084		29922		29760		29598		29435		29273		29110		28785		28460		28133	
	22.63	31	22.85	35	23.07	38	23.29	41	23.51	43	23.73	44	23.95	44	24.39	45	24.83	46	25.29	42
1450	33108		32961		32813		32665		32517		32370		32222		31926		31630		31334	
	29.90	36	30.14	40	30.38	43	30.63	46	30.87	49	31.11	52	31.35	53	31.84	55	32.32	56	32.80	57

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1047	20716		19781		18780		17694		16163											
	13.82	25	14.34	27	14.79	27	15.10	28	15.09	29										
1210	25025		24217		23410		22600		21716		20778		19645		18138					
	20.37	36	21.11	33	21.74	35	22.32	34	22.82	36	23.20	37	23.42	39	23.13	40				
1320	27806		27122		26382		25642		24900		24132		23282		22417		21318		19936	
	25.75	42	26.64	43	27.45	39	28.13	42	28.77	40	29.36	42	29.87	44	30.21	45	30.43	47	30.08	48
1450	31037		30441		29816		29142		28468		27794		27118		26401		25627		24840	
	33.30	50	34.31	52	35.28	53	36.17	48	36.95	50	37.69	53	38.37	50	39.00	52	39.57	54	39.95	56

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1320	17408																			
	28.34	48																		
1450	23914		22798		21431		18416													
	40.23	58	40.19	59	39.65	60	36.72	59												

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2140

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	40.25 inches	1022 mm
Wheel Circumference	10.5 feet	3.200 m
Inlet Diameter/Area	54.31 inches dia./16.1 sq. ft.	1380 mm/1.496 m ²
Outlet Size/Area	54.31 inches I.D./16.1 sq. ft.	1380 mm/1.496 m ²
Tip Speed	10.5 x RPM ft./minute	3.200 x RPM m/minute
Maximum BHP	17.49 x (RPM ÷ 1000) ³ BHP	13.04 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2140 CL/2	30	948 - 1120	1830	1900
2140 CL/2	40	1097 - 1225	1887	1957
2140 CL/2	50	1201 - 1320	1960	2030

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
948	28788		28538		28289		28039		27790		27541		27291		26788		26275		25707	
	13.83	23	14.04	26	14.25	26	14.47	27	14.68	28	14.89	24	15.10	24	15.54	26	15.98	23	16.40	24
1120	34178		33967		33756		33545		33334		33122		32911		32489		32065		31639	
	22.61	28	22.86	31	23.11	34	23.36	33	23.61	35	23.86	36	24.11	37	24.61	31	25.12	33	25.64	34
1225	37458		37265		37072		36879		36686		36493		36300		35914		35528		35140	
	29.47	32	29.75	35	30.02	38	30.30	42	30.57	40	30.84	42	31.12	43	31.66	45	32.21	38	32.77	39
1320	40421		40242		40063		39883		39704		39525		39346		38988		38629		38271	
	36.78	36	37.08	40	37.37	43	37.67	46	37.96	49	38.26	47	38.55	49	39.14	51	39.73	54	40.32	44

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
948	25139		24001		22714		21281		19563											
	16.77	26	17.39	26	17.93	28	18.29	30	18.32	31										
1120	31214		30261		29299		28335		27290		26077		24862		23400		21089			
	26.16	30	27.15	32	27.98	32	28.70	34	29.34	36	29.87	38	30.23	39	30.25	40	29.21	41		
1225	34751		33961		33082		32202		31322		30438		29372		28263		27151		25846	
	33.34	41	34.46	36	35.54	39	36.46	38	37.28	40	38.00	42	38.67	44	39.19	46	39.56	47	39.62	49
1320	37911		37189		36436		35620		34804		33987		33168		32278		31250		30221	
	40.92	46	42.14	49	43.35	43	44.51	46	45.50	44	46.41	46	47.19	49	47.95	51	48.65	53	49.14	55

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1225	23944																			
	38.86	50																		
1320	29188		27989		26303		23615													
	49.52	56	49.60	58	48.92	59	46.52	59												

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B:
Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

2100 SERIES

SIZE 2145

SINGLE WIDTH
SINGLE INLET

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2145 CL/2	30	832 - 950	2270	2345
2145 CL/2	40	950 - 1040	2327	2402

Wheel Diameter	44.50 inches	1130 mm
Wheel Circumference	11.7 feet	3.566 m
Inlet Diameter/Area	60.38 inches dia./19.9 sq. ft.	1534 mm/1.849 m ²
Outlet Size/Area	60.38 inches I.D./19.9 sq. ft.	1534 mm/1.849 m ²
Tip Speed	11.7 x RPM ft./minute	3.566 x RPM m/minute
Maximum BHP	28.86 x (RPM ÷ 1000) ³ BHP	21.52 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
832	34107		33792		33478		33164		32850		32535		32219		31586		30912		30196	
	15.47	23	15.72	23	15.98	25	16.23	27	16.48	22	16.73	23	16.98	24	17.48	22	17.98	24	18.49	23
950	39111		38836		38561		38286		38010		37735		37460		36908		36353		35799	
	22.86	26	23.15	30	23.43	29	23.72	30	24.01	32	24.29	26	24.58	27	25.15	29	25.72	26	26.29	27
1040	42916		42665		42413		42162		41911		41659		41408		40905		40401		39894	
	29.87	29	30.18	32	30.49	36	30.81	34	31.12	35	31.44	37	31.75	30	32.38	32	33.01	34	33.63	29

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
832	29480		28044		26505		24529		21635											
	18.92	24	19.66	27	20.16	29	20.52	31	19.94	32										
950	35185		33930		32675		31394		29977		28246		26015							
	26.87	29	27.97	29	28.87	31	29.58	34	30.10	36	30.51	38	30.16	39						
1040	39387		38282		37136		35989		34839		33618		32209		30554		28440		24586	
	34.25	30	35.52	30	36.70	33	37.72	35	38.55	37	39.17	40	39.72	41	40.11	43	39.55	44	37.10	44

Tubular Centrifugal

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class. Performance certified is for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels. All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

2100 SERIES

SIZE 2149

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	49 inches	1245 mm
Wheel Circumference	12.9 feet	3.932 m
Inlet Diameter/Area	66.25 inches dia./23.9 sq. ft.	1683 mm/2.220 m ²
Outlet Size/Area	66.25 inches I.D./23.9 sq. ft.	1683 mm/2.220 m ²
Tip Speed	12.9 x RPM ft./minute	3.932 x RPM m/minute
Maximum BHP	46.74 x (RPM ÷ 1000) ³ BHP	34.85 x (RPM ÷ 1000) ³ kW
Fan Temperature	-20° to 150°F	-29° to 66°C

CLASS 2

Fan Model	HP	RPM Range	Est. Unit Wt. lbs.	Est. Ship Wt. lbs.
2149 CL/2	40	816 - 890	2827	2907
2149 CL/2	50	833 - 955	2900	2980
2149 CL/2	60	932 - 1016	3050	3130
2149 CL/2	75	965 - 1090	3190	3270

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"		1.250"		1.500"		1.750"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
816	44777		44424		44071		43718		43365		43012		42659		41949		41238		40474	
	23.52	22	23.85	18.4	24.18	20	24.51	17.8	24.84	19.0	25.16	17.5	25.49	18.5	26.17	20	26.85	22	27.50	24
890	48960		48637		48313		47990		47666		47342		47019		46371		45720		45067	
	30.38	24	30.74	27	31.10	22	31.46	24	31.82	21	32.17	22	32.53	23	33.25	22	33.99	23	34.74	25
955	52628		52326		52024		51723		51421		51120		50818		50215		49611		49003	
	37.42	27	37.80	29	38.19	24	38.57	25	38.96	27	39.34	23	39.73	24	40.50	22	41.27	24	42.07	26
1016	56064		55780		55497		55213		54930		54646		54363		53796		53229		52660	
	44.94	33	45.36	31	45.76	34	46.18	27	46.58	28	47.00	30	47.40	25	48.22	27	49.04	25	49.88	27
1090	60227		59963		59699		59434		59170		58906		58642		58113		57585		57056	
	55.37	36	55.81	34	56.25	36	56.68	29	57.12	30	57.56	32	58.00	33	58.88	29	59.76	31	60.64	28

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	2.000"		2.500"		3.000"		3.500"		4.000"		4.500"		5.000"		5.500"		6.000"		6.500"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
816	39670		38064		36457		34561		32477		29692									
	28.12	25	29.20	28	30.08	30	30.87	32	31.29	34	31.06	35								
890	44385		42912		41439		39966		38277		36481		34341		31448					
	35.46	26	36.80	29	37.95	32	38.90	34	39.83	36	40.40	38	40.68	40	39.97	41				
955	48395		47085		45712		44339		42967		41414		39755		37927		35678		32193	
	42.87	27	44.38	30	45.77	32	46.99	35	48.00	37	49.00	39	49.71	41	50.17	43	50.11	44	48.30	45
1016	52089		50944		49653		48362		47072		45782		44344		42798		41169		39276	
	50.72	28	52.42	31	53.97	33	55.38	36	56.67	38	57.74	40	58.80	42	59.67	44	60.22	46	60.52	47
1090	56526		55461		54359		53156		51953		50750		49548		48298		46877		45415	
	61.54	30	63.36	33	65.14	36	66.80	38	68.31	41	69.71	43	70.89	45	72.03	47	73.16	49	73.89	51

PERFORMANCE DATA																				
CFM and Sones vs. Static Pressure																				
RPM	7.000"		7.500"		8.000"		8.500"		9.000"		10.000"		11.000"		12.000"		13.000"		14.000"	
	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones	BHP	Sones
1016	36837		32266																	
	59.89	48	56.19	48																
1090	43848		42057		39816		36478													
	74.45	52	74.72	54	74.11	55	71.56	55												

Standard steel wheels may be used up to the Maximum Design RPM as listed above for each fan class.
Performance certified for installation Type B, Free Inlet, Ducted Outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances.
The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type B: Free Inlet hemispherical sone levels.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70°F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

Tubular Centrifugal

Your Representative is

ACME ENGINEERING & MANUFACTURING CORPORATION

P.O. Box 978 | Muskogee, Oklahoma 74402 | Telephone 918/682-7791

Fax 918/682-0134 | www.acmefan.com | e-mail: acmefan@acmefan.com

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