ATLI

DOUBLE INLET FORWARD CURVED CENTRIFUGAL FANS

comefri®

COMEFRI USA: Manufacturing and Warehouse facilities in Hopkinsville, KY.
Total facility: 125,000 sq.ft. Producing centrifugal fans for the HVAC industry.

COMEFRI SpA factory at Magnano in Riviera (UD) – Italy with 156,000 sq.ft.
Manufacturing floor space, which produces radial fans for HVAC products.

COMEFRI SpA factory at Artegna (UD) – Italy with 68,000 sq.ft. manufacturing and
Laboratory floor space for the production of standard and special application industrial fan.
Test facilities: laboratory accredited by AMCA and SINAL.

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Fig. 1

1. Standard ATLI fans range

Comefri's ATLI double inlet forward curved centrifugal fan series covers a size range from 7 to 40.
All fans within this range have the following characteristics:

- optimally engineered for HVAC applications;
- high quality, compact design;
- class I and class II versions available (as per AMCA operating limits specification 99-2408-69);
- low power consumption; high efficiency
- quiet operation;
- all fans are fully performance tested and certified in Comefri's own state-of-the-art laboratory in accordance with DIN, ISO, BS and AMCA standards.

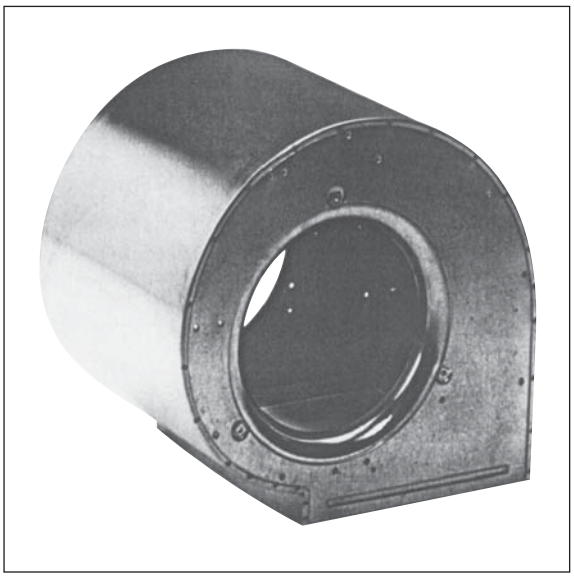


Fig. 2

2. Technical details

2.1. Housing

All fan housings from size 7 to 40 are manufactured in galvanized sheet steel (Fig. 1). From sizes 7 to 18, the fan sideplates are spot welded to the scroll housing (Fig. 2). From sizes 20 to 40 the fan sideplates are locked to the scroll housing through a Pittsbourgh seam (Fig. 3) which ensures a high quality air tight seal, as well as a structurally reinforced housing.
The inlet cones are manufactured in galvanized sheet steel and are part of the housing sideplates.
A series of standard holes are located on the sideplates to allow the installation of frames or mounting base. These holes are positioned in such a way that several standard accessories can be attached with the necessary fixing screws.

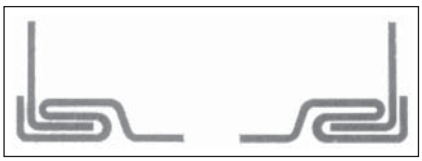


Fig. 3

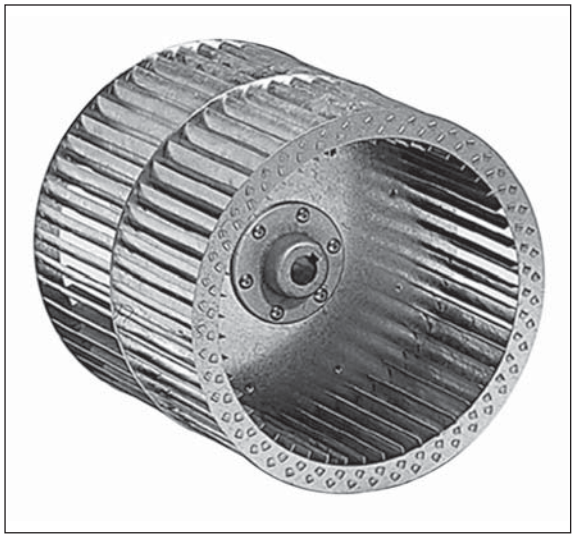


Fig. 4

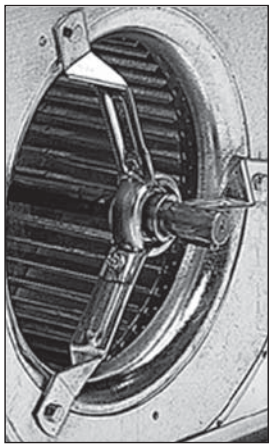


Fig. 5

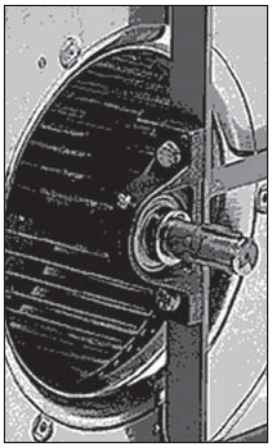


Fig. 6

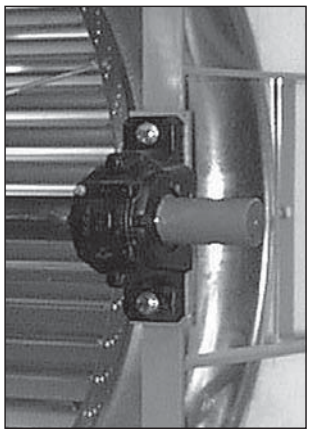


Fig. 7

2.2. Impeller

The impeller is manufactured in galvanized sheet steel with tab locked blades, (Fig. 4).
All wheels are balanced, both statically and dynamically, to an accuracy grade of G = 6.3 in accordance to DIN ISO 1940-1 and ANSI S2.19 – 1989.
All the impellers from size 7-7 to 40-40 are secured to the shaft via a hub.
The hub bore is precision machined and incorporates a keyway and locking screw.

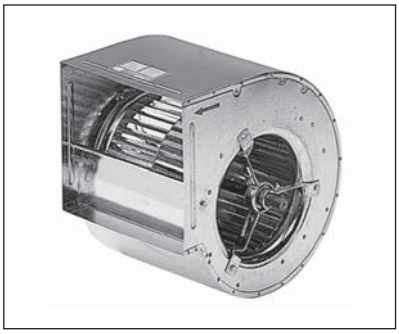
2.3. Shafts

All shafts are designed with a high safety factor and with the first critical speed well in excess of the maximum fan speed.
Made with hardened steel, the shafts are precision ground and polished, and includes keyways for the wheel hub and sheaves.
All shafts are coated with a protective paint for added corrosion protection prior to shipping.

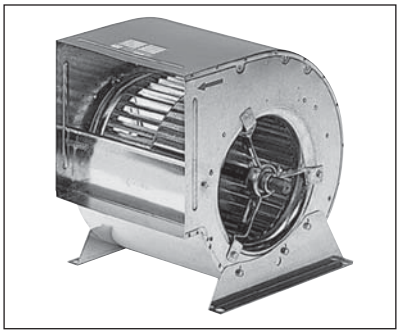
2.4. Bearings

From size 7-7 B to 18-18 B and from size 7-7 R to 28-28 R, bearings are self-aligning, single row, deep groove ball type (Fig. 5). From size 20-15 T1 to 40-40 T1, from size 7-7 T2
to 28-28 T2, bearings are self-aligning, single row, deep groove ball type, in pillow block cast iron housings (Fig. 6).
Size 32-32 T2, size 36-36 T2 and size 40-40 T2 bearings are double row roller bearings in pillow block split cast iron housings (Fig. 7).
All bearings have been selected to guarantee a minimum L_{50} life time of 200,000 hours (as per AFBMA standards).
B and R framed fans have the bearings mounted in a rubber interliner, which in turn, fits in a sturdy three-arm or four-arm spider bracket (Fig. 5). These bearings are permanently lubricated and sealed for the life time of the fan.
T1 and T2 fans have the pillow block bearings mounted on a flat iron bar, welded to the T frame (Fig. 6, 7). These bearings are complete with re-lubrication fitting already installed.
Operating temperatures range from -4°F to +176°F (-20°C to +80°C) for all blowers.

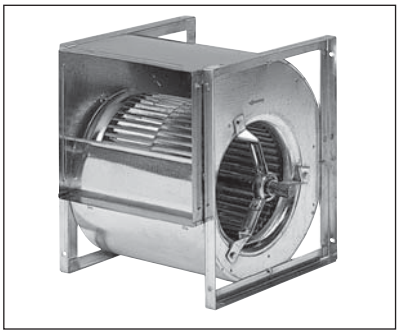
3. ATLI series



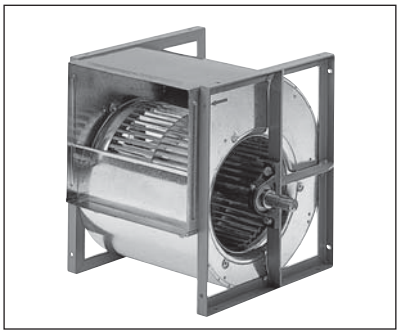
ATLI _ _ _ B
Standard (base) version fan.



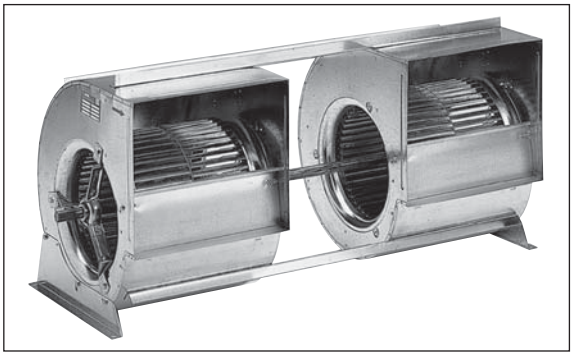
ATLI _ _ _ F
Standard (base) version fan with mounting feet “F”.



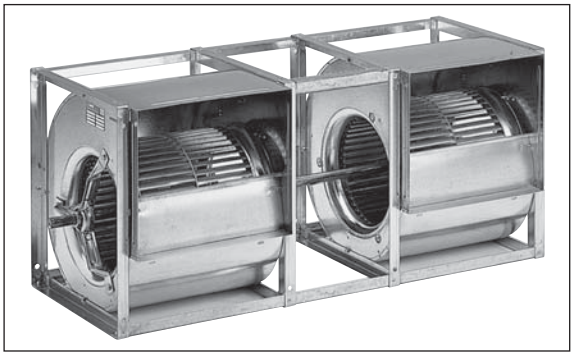
ATLI _ _ _ R
Fan with galvanized steel frame “R”.



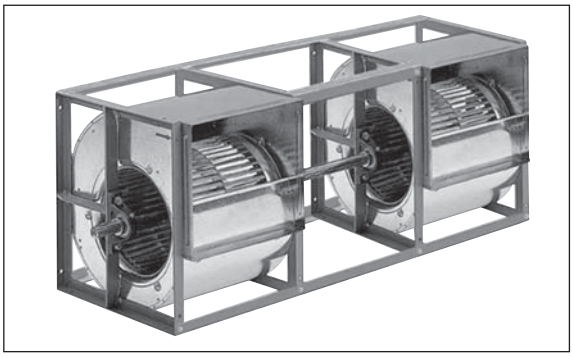
ATLI _ _ _ T1 / ATLI _ _ _ T2
Fan with reinforced angle iron frame “T1 or T2”.



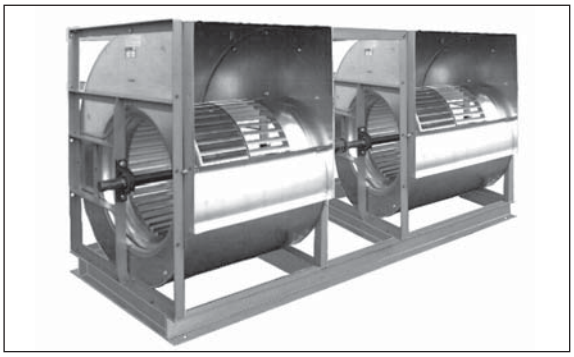
ATLI _ _ _ BL
Twin fan in standard (base) version with mounting feet “F”.



ATLI _ _ _ BP
Twin fan with galvanized steel frames and angular joining galvanized steel stiffeners.

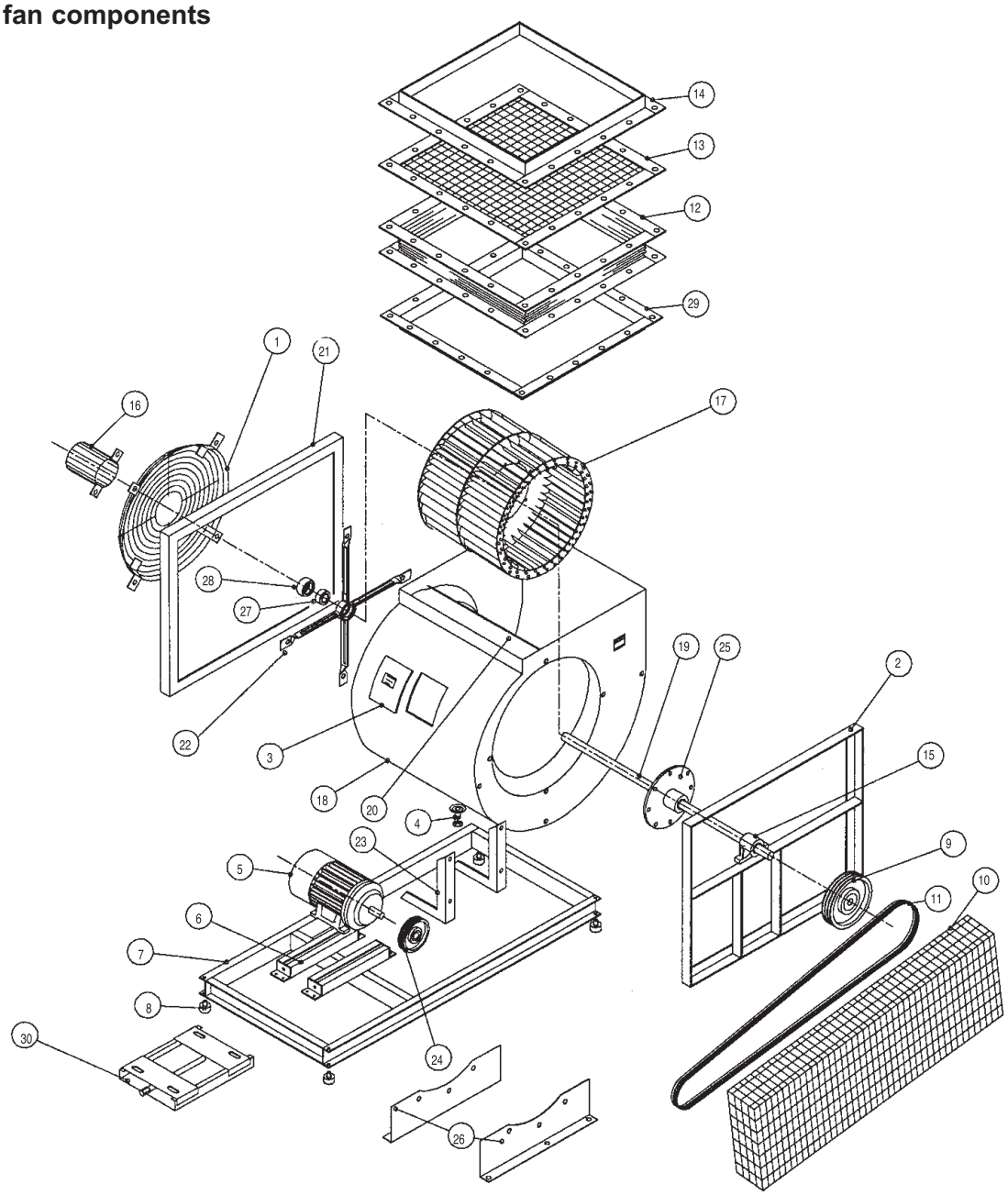


ATLI _ _ _ BT
Twin fan with reinforced angle iron frames and angle iron joining stiffeners.



ATLI _ _ _ BT2/T1
Twin fan with reinforced angle iron frames, angle iron joining stiffeners, common base frame and flexible couplings between the two shafts.

4. Labelling of fan components



1	INLET GUARD	16	SHAFT GUARD
2	FRAME for T EXECUTION	17	WHEEL
3	INSPECTION DOOR	18	HOUSING
4	DRAIN PLUG	19	SHAFT
5	MOTOR	20	CUT OFF
6	MOTOR RAILS SH	21	FRAME for R EXECUTION
7	BASE FRAME	22	BEARING BRACKET for BASE and R EXECUTION
8	ANTIVIBRATION MOUNTING	23	GUARD MOUNT
9	FAN PULLEY	24	MOTOR PULLEY
10	BELT GUARD	25	HUB
11	BELTS	26	FEET
12	OUTLET FLEXIBLE CONNECTION	27	BEARING for BASE and R EXECUTION
13	OUTLET GUARD	28	RUBBER BUSH for BASE and R EXECUTION
14	OUTLET COUNTERFLANGE	29	OUTLET FLANGE
15	BEARINGS for T EXECUTION	30	MOTOR BASE PLATE SY

5. Fan performances

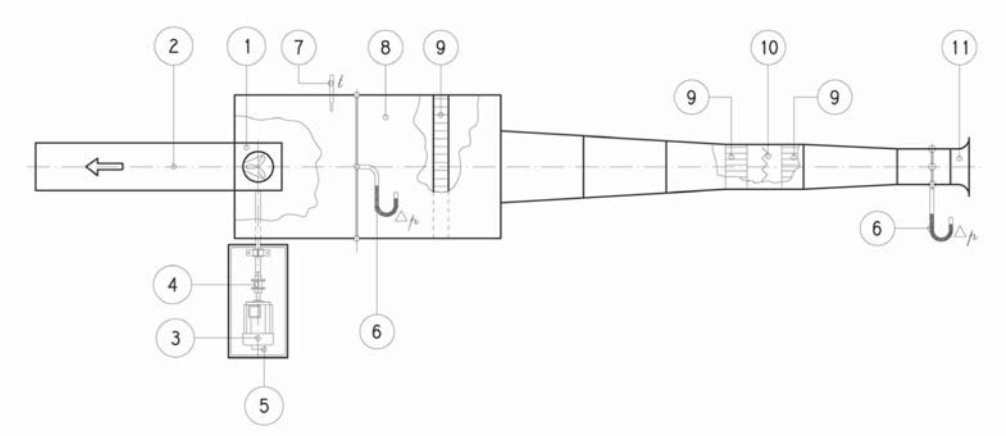
5.1. Performance data

Comefri's laboratory measured the data detailed in the performance chart section with modern, state-of-the-art testing instruments.

Fan performance is measured for an installation type B (ref. AMCA 210-85, par. 7.1.1 installation type), i.e. free inlet and ducted outlet configuration and a reference density of ρ = 0.075 lb/cu.ft

Outlet velocity o.v. and Δp_{dyn} pressure, refer to the flange cross section area at the fan outlet.

Performance test rig according to DIN 24163 / BS 848, Part1 / ISO 5801 / AMCA 210



1. Fan
2. Outlet duct
3. Electric motor drive
4. Torquemeter
5. Tachometer
6. Differential pressure gauge
7. Thermometric probe
8. Test chamber
9. Flow straightener
10. Damper
11. Normalized inlet

The performance curves include the following information:

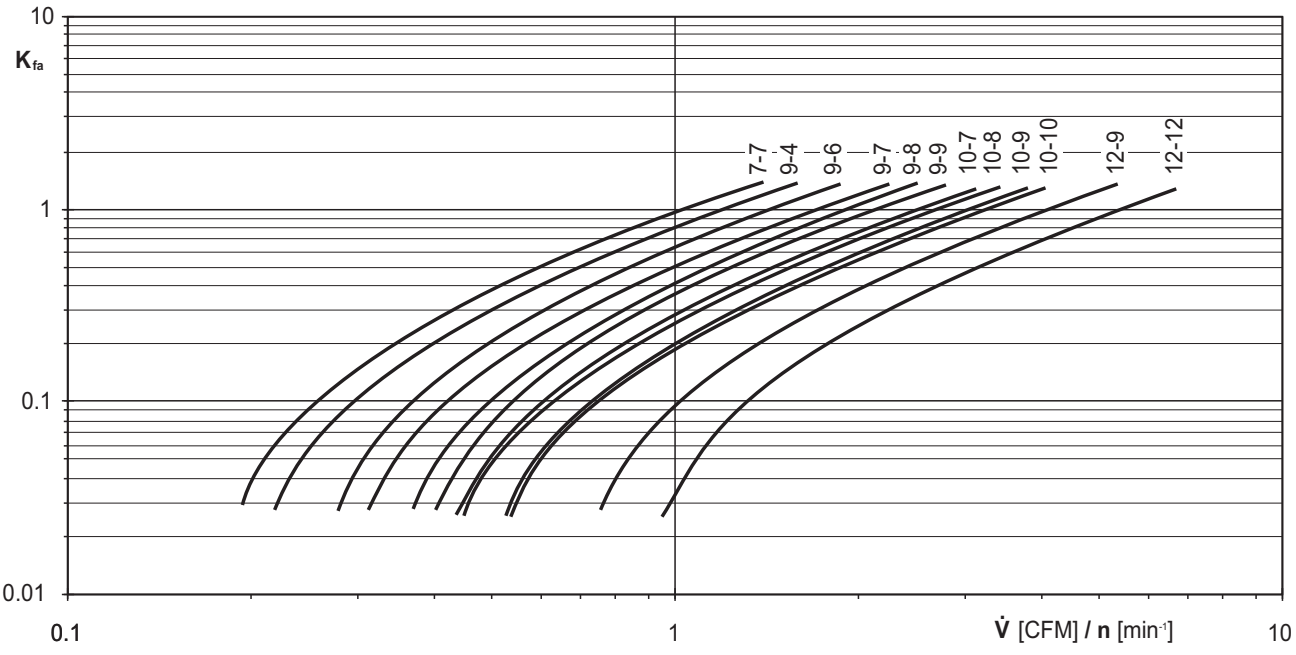
Static pressure	Δp_{stat}	[In.W.G.]	inches water gauge
Dynamic pressure	pdyn	[In.W.G.]	inches water gauge
Volume air flow	$\dot{V}$	[CFM]	cubic feet per minute
Absorbed power on fan shaft	P_w	[BHP]	brake horsepower
Fan speed	n	[RPM]	revolutions per minute
Static Efficiency	η_{stat}	[%]	$\frac{\Delta p_{stat} \cdot \dot{V} \cdot 100}{P_w \cdot 6362}$
Outlet velocity	o.v.	[ft/min]	Feet per minute
Sound Power Level	$L_{wA4;7}$	[dB(A)]	Decibel A

5.2. Free outlet performance (installation type A)

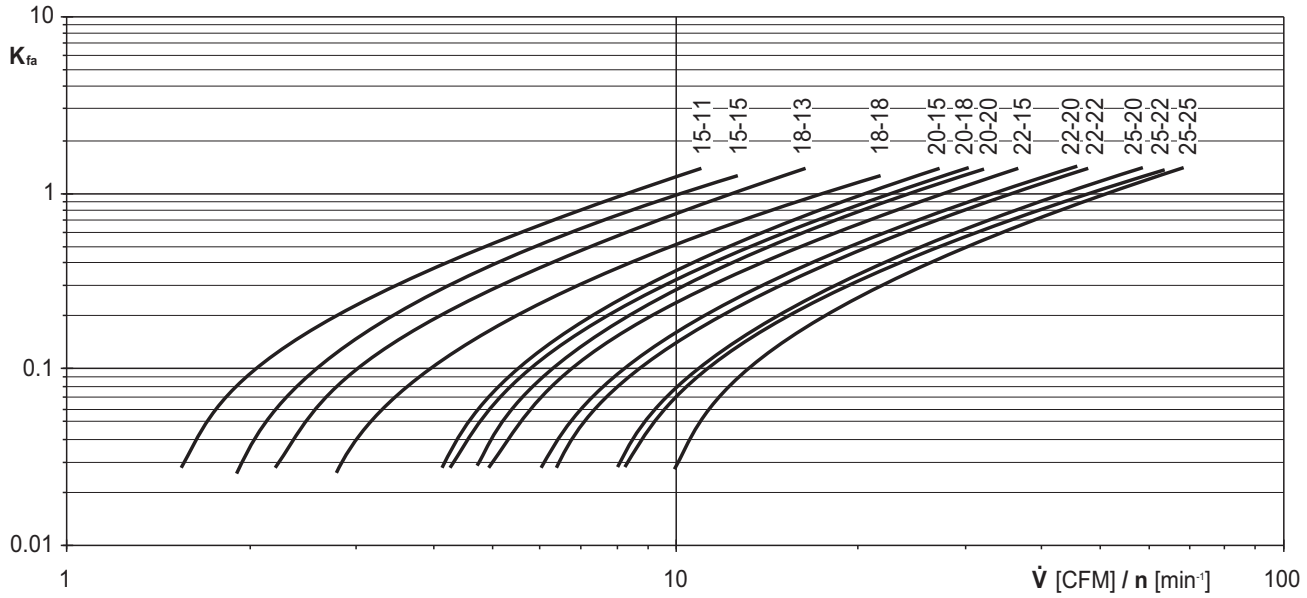
As all data detailed in the fan performance charts refer to the free inlet - ducted outlet configuration, a correction to this data must be applied when a free outlet installation is requested.
In free discharge condition the static pressure Δp_{fa}, for a given fan speed, can be obtained as:

$$\Delta p_{fa} = \Delta p_{stat} - K_{fa} \cdot \Delta p_{dyn}$$

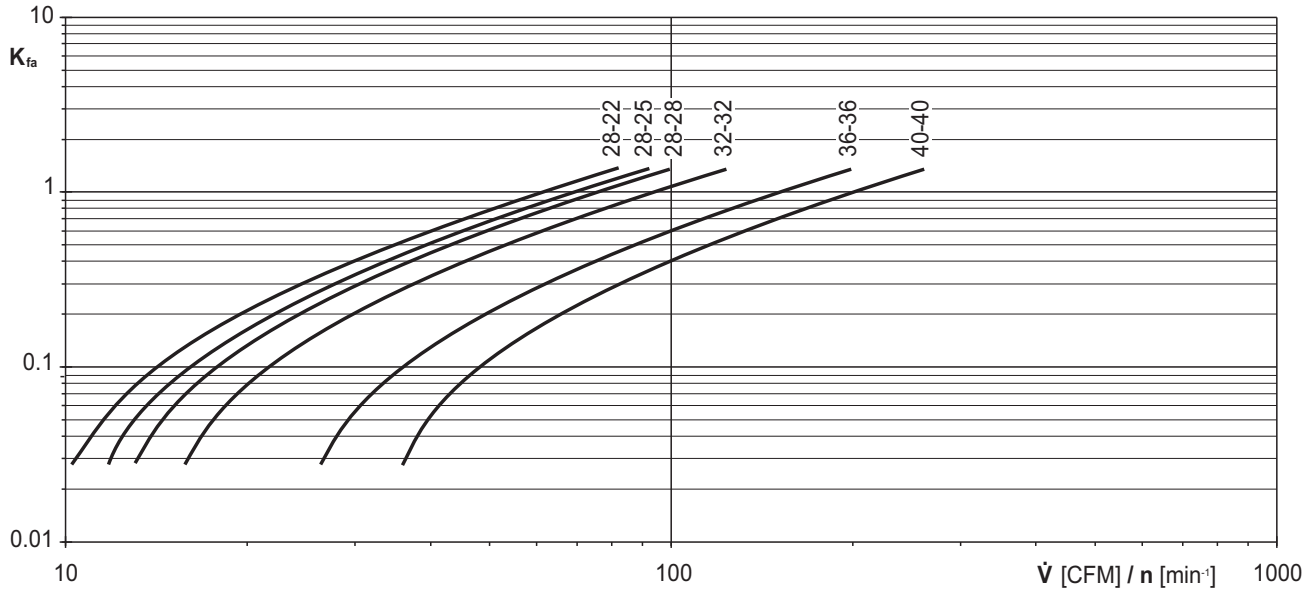
where K_{fa} is a correction factor, function of fan size and $\dot{V}$/ n ratio, which can be found on the graphs 5.2.1, 5.2.2, 5.2.3.
Note that the static pressure obtained is less than the requested pressure.
The final consequence is that, in the free outlet configuration, the fan has to run at a slightly higher speed than in the ducted outlet condition.
Please refer to the Selection Example 6.2, for further details on the correct selection procedure.



Graph 5.2.1



Graph 5.2.2



Graph 5.2.3

5.3. Motor selection

To determine the motor rating P_n, the fan absorbed shaft power P_w must be increased by a factor f_w to accomodate for the drive losses, safety margins,.....etc.

$$P_n = P_W (1 + f_W)$$

The factor f_W can be chosen from the following figures:

$P_W \leq 13.4$ BHP . . . $f_W = 0.20$
$P_W > 13.4$ BHP . . . $f_W = 0.15$

When selecting a suitable motor, the run-up time must be considered.
The run-up time "t_a"can be calculated according to the following formula:

$$t_a = 0.452 \frac{J \cdot n^2}{P_n} 10^{-6}$$

where:			
	t_a	acceleration time	[s]
	J	moment of inertia of the revolving parts	[Lb ft^2]
	n	impeller revolution	[rpm]
	P_n	motor rating	[HP]

If "t_a"exceeds the motor's manufacturer recommendations, a larger motor or a high-torque type must be used.

5.4. Temperature and altitude correction factors

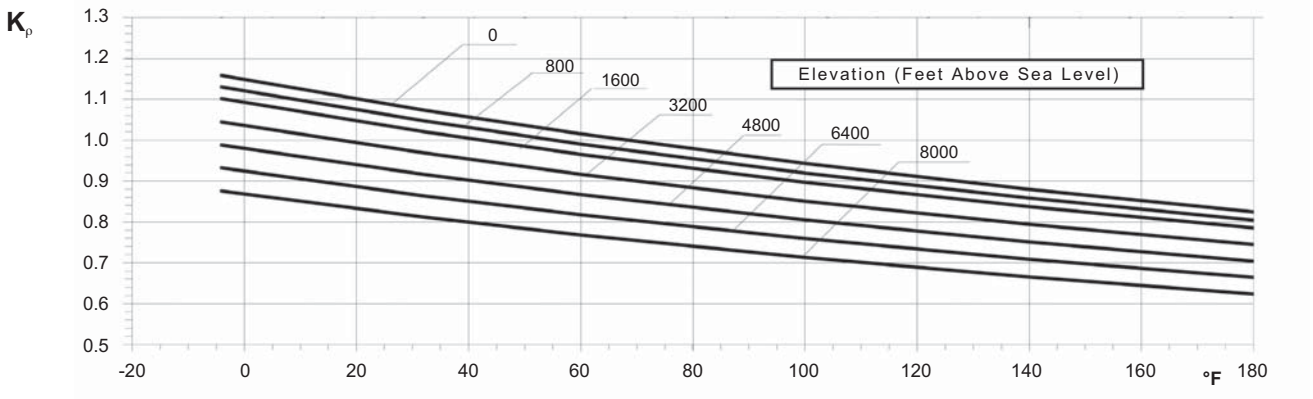
The performance charts refer to the standard air condition, i.e. ρ = 0.075 lb/cu.ft, 68 °F temperature at sea level.
For different operating conditions the data performance must be corrected due to the change in air density.
Fan laws relate to performance variables for any fan of a given design.
Pressure, static and total, varies directly as the ratio of the air densities, K_ρ

$$\Delta p_{stat2} = \Delta p_{stat1} \cdot K_\rho$$

Absorbed power varies directly as the ratio of the air densities, K_ρ

$$P_{w2} = P_{w1} \cdot K_\rho$$

The graph 5.4 contains air density ratios K_ρ for temperatures from - 5 °F to 180 °F and elevations up to 8000 feet above sea level. Please refer to the Selection Example 6.2, for further details on the correct selection procedure.



Graph 5.4.

6. Sound levels

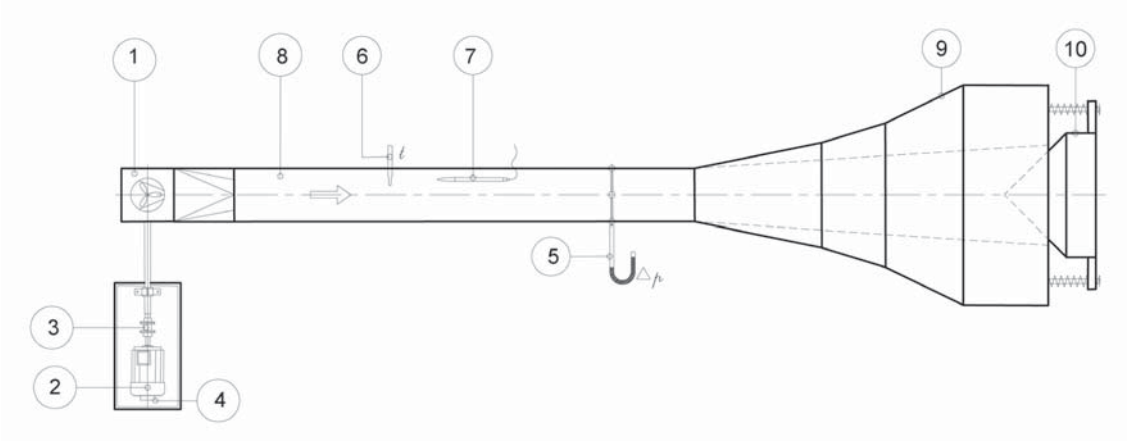
The measurement of noise levels have been made according to ISO, DIN and BS, ANSI / AMCA Standard using a Bruel & Kjaer real-time frequency analyser.

The Sound Power Level L_{wA}, referred to $W_o=10^{-12}$ watt, required for calculation and design of sound attention units, are marked on the performance curves.

Symbols and Formulas:

L_{wA4}	A-weighted Total Sound Power Level inside the outlet duct	[dB(A)]
L_{wA7}	A-weighted Total Sound Power Level at the fan inlet, with ducted outlet	[dB(A)]
L_{woct}	Sound Power Level at a specific Octave Band Mid-Frequency	[dB]
f_m	Octave Band Mid-Frequency	[Hz]
ΔL_{woct4}	Difference between the Total Sound Power Level at a specific Octave Band L_{woct4} and Total Sound Power Level, A-weighted, L_{wA4}	[dB]
ΔL_{w4}	Difference between the Total Sound Power Level L_{w4} and the A-weighted Total Sound Power Level L_{wA4}	[dB]

Sound measurement test rig scheme according to DIN 45635, Part9 / BS 848, Part2 / ISO 5136 / ANSI / AMCA 330



1. Fan
2. Electric motor drive
3. Torquemeter
4. Tachometer
5. Differential pressure gauge
6. Thermometric probe
7. Microphone with turbulence screen
8. Test duct
9. Anechoic termination
10. Adjustable anechoic end

Fan Sound Data is determined as follows:

1. The A-weighted Total Sound Power Level L_{wA4} inside the outlet duct can be read from the Performance Chart, for a given fan performance.

2. The Sound Power Level L_{woct4}, at a specific Octave Band Mid-Frequency, inside the outlet duct can be determined from following formula:

$$L_{woct4} = L_{wA4} + \Delta L_{woct4}$$

3. The Total Sound Power Level inside the outlet duct can be obtained from the following formula:

$$L_{w4} = L_{wA4} + \Delta L_{w4}$$

The values for ΔL_{woct4} and ΔL_{w4} for each fan size can be found in the SOUND DATA TABLES section, considering the relevant Fan Performance Area and the range of fan speed.
Note that sound data is determined according to DIN 45635 Part9, BS 848 Part2, ISO 5136, / ANSI / AMCA 330 – In-duct method.

6.1. Total Sound Power Level at the free outlet, L_{w6}

The value L_{w6}, at the outlet in a free outlet condition, can be considered approximately equal to the Total Sound Power Level outside the termination of the discharge duct. The Total Sound Power Level, outside the termination of the discharge duct, can be calculated with an approximation, using the “End Reflection” concept: part of the sound power generated by the fan at the discharge is reflected back into the duct when there is an abrupt termination.
The values in octave band can be obtained subtracting, octave by octave, from the L_{woct4} values the reflected back portion of the sound power. The following table gives the correction factors ΔL_{wcorr}, for each fan size, that has to be added to the corresponding L_{woct4} value:

		Fan size									
		7-7	**9-4**	**9-6**	**9-7**	**9-8**	**9-9**	**10-7**	**10-8**	**10-9**	**10-10**
ΔL_{wcorr} [dB]	**63** [Hz]	-13.5	-13	-13	-13	-13	-13	-12.5	-12.5	-12	-12
	125 [Hz]	-8.5	-8.5	-8.5	-8.5	-8	-8	-8	-8	-7.5	-7.5
	250 [Hz]	-4	-4.5	-4	-4	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
	500 [Hz]	-2	-2	-1.5	-1.5	-1.5	-1.5	-1.5	-1	-1	-1

		Fan size									
		12-9	**12-12**	**15-11**	**15-15**	**18-13**	**18-18**				
ΔL_{wcorr} [dB]	**63** [Hz]	-12	-12	-10.5	-10	-9.5	-9				
	125 [Hz]	-7.5	-7	-6.5	-6	-5	-4.5				
	250 [Hz]	-3	-3	-2.5	-2	-2	-2				

		Fan size									
		20-15	**20-18**	**20-20**	**22-15**	**22-20**	**22-22**	**25-20**	**25-22**	**25-25**	
ΔL_{wcorr} [dB]	**63** [Hz]	-8.5	-8	-8	-7.5	-7	-7	-6.5	-6.5	-6	
	125 [Hz]	-4	-4	-4	-3.5	-3	-3	-3	-2.5	-2.5	
	250 [Hz]	-1.5	-1	-1	-1	-1	-1	-0.5	-0.5	-0.5	

		Fan size									
		28-22	**28-25**	**28-28**	**32-32**	**36-36**	**40-40**				
ΔL_{wcorr} [dB]	**63** [Hz]	-5.5	-5.5	-5	-5	-4	-3.5				
	125 [Hz]	-2.5	-2	-2	-1.5	-1	-1				
	250 [Hz]	0	0	0	0	0	0				

Please refer to the Selection Example for the detailed procedure to follow.

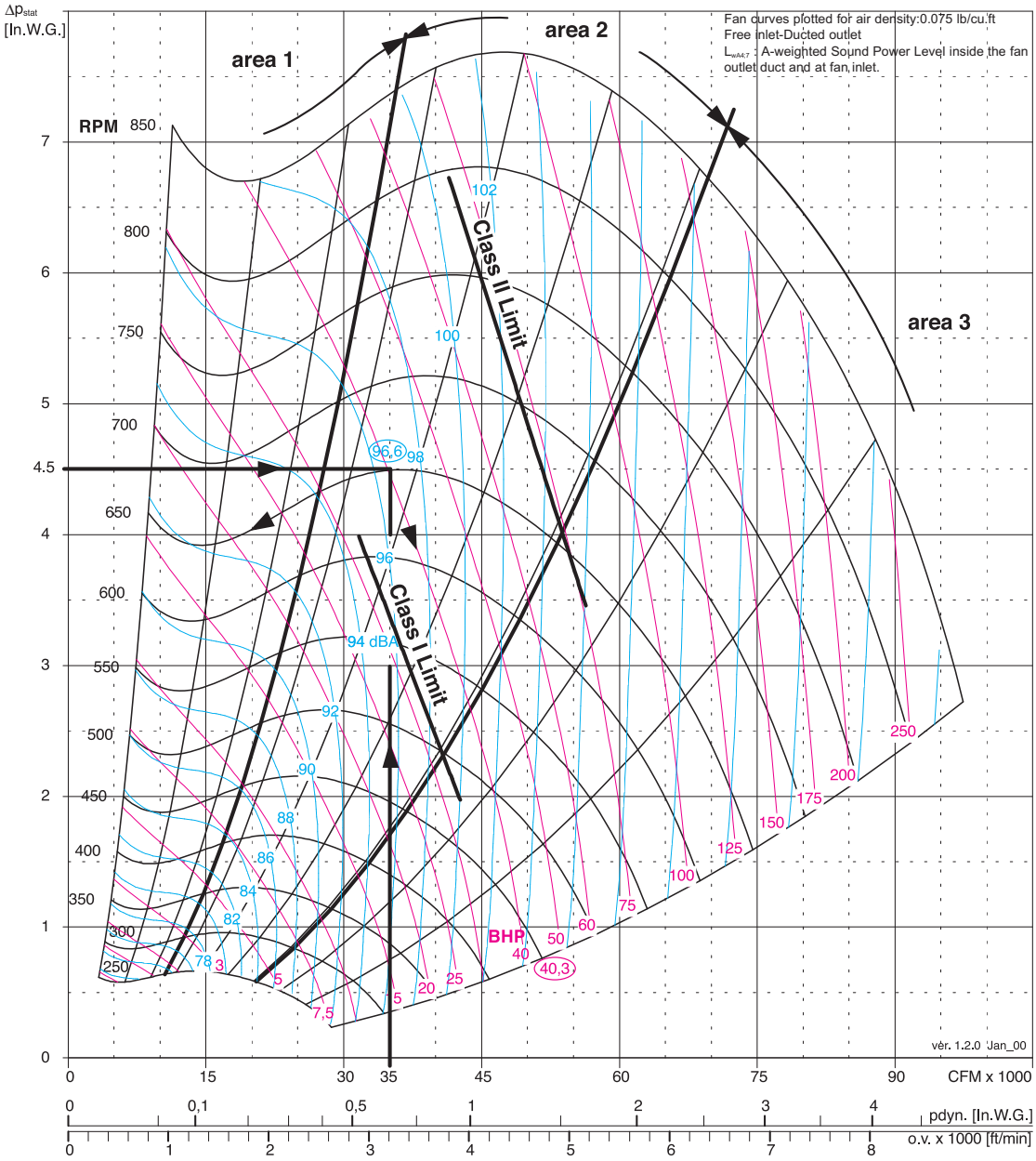
Note that, as L_{w6} is an estimated value, the Class 1 tolerance limit of + 3 dB(A) cannot be applied.
Finally, please consider that the low frequencies (125 Hz and below) are strongly affected by vibrations (drive alignment, pulley unbalance, etc) and by ducts not properly acoustically insulated from the fan; the final effect is the generation of additional low frequency noise.

6.2. Selection Example

Fan selection for the following operating parameters:

Air volume = 35,000 CFM
Δp_{stat} = 4.5 In.W.G.
Operating temperature = 68°F

ATLI 32-32	B	R	T1	T2
Fan Max RPM [min-1]	-	-	675	760
Fan Max BHP	-	-	40	70
Fan Outlet Area O.A. [ft2]	10.91			
Fan weight [Lb]	-	-	564.43	629.95
Wheel diameter [in.]	31.5			
Wheel width [in.]	25.43			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft2]	-	-	142.14	142.85
Wheel weight [Lb]	-	-	132.28	134.48



Selected model and size: ATLI 32-32 T2
n = 651 RPM
n_{max} = 760 RPM
L_{wA4} = 96.6 dB(A)
Δp_{dyn} = 0.64 In.W.G.
BHP = 40.3 HP
o.v. = 3208.2 [ft/min]

a) Sound data

The following steps must be followed to determine the Octave Band values:

a1) Read on the Sound Data Table for ATLI 32-32 T2, for each octave band and consider the selected fan performance zone and speed (AREA 2, n > 562 RPM) the appropriate values for ΔL_{woct4}:

0 -3 -3 -2 -5 -9 -13 -20

a2) Apply these corrections to L_{wA4} = 96.6 dB(A) (add the ΔL_{woct4} values) to obtain values of L_{woct4}:

96.6	93.6	93.6	94.6	91.6	87.6	83.6	76.6	rounded off to:
97	94	94	95	92	88	84	77	

a3) To obtain the L_{w4} Total Sound Power value, add to L_{wA4} the ΔL_{w4} value

$$L_{w4} = L_{wA4} + \Delta L_{w4} = 96.6 \text{ dB(A)} + 5 = 101.6 \text{ dB (rounded off to 102 dB)}$$

a4) To obtain the A-weighted Octave Band values, apply to each octave-band value the correction factor listed below:

Octave Band Mid Frequency	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**
A- weighting	-26	-16	-9	-3	0	+1	+1	-1

(Values rounded off)

L_{woctA4}, A-weighted values, are consequently $L_{woctA4} = L_{woct4}$ - (A-weighting):

71 78 85 92 92 89 85 76

b) Free-outlet selection

If the same fan must be selected in a free-outlet configuration (type A installation) the step will be:

b1) Calculated the value of Δp_{fa} as explained at section 5.2.

Being $\dot{V}/n$ equal to 35,000 / 651 = 54, from the relevant graph 5.2.3 the value Kfa of 0.5 is read:

$$\Delta p_{fa} = \Delta p_{stat} - K_{fa} \cdot \Delta p_{dyn} = 4.5 - 0.5 \cdot 0.64 = 4.18 \text{ In.W.G.}$$

The real obtainable Δp_{stat} pressure is 4.18 In.W.G., 0.32 In.W.G. less than required.

b2) To obtain a Δp_{stat} pressure of 4.5 In.W.G., in a free-outlet configuration, the fan must be selected at:

$$\Delta p_{stat} = 4.5 + 0.32 = 4.82 \text{ In.W.G.}$$

b3) With this new value for Δp_{stat} pressure, fan's performance parameters are now:

n = 674 RPM, L_{wA6} 97.2 dB(A) (rounded off 97 dB(A)), Δp_{dyn} = 0.64 In.W.G. and BHP = 42.89 HP.

c) Free - outlet sound data

From the relevant table, for a ATLI 32-32, the following values for ΔL_{wcorr} can be obtained:

-5 dB at 63 Hz; -1.5 dB at 125 Hz; 0 dB at 250 Hz

As a consequence, the values of L_{woct4}, in a free-outlet configuration, are now:

92	92	94	95	92	88	84	77

Following the same steps as in a4), the A-weighted values can be obtained:

66	76	85	92	92	89	85	76

d) Temperature and altitude correction

If the temperature and altitude, at which the fan will operate are not standard, the pressure values used for the selection must be corrected.

Let's consider the following parameters:

Required Δp_{stat} pressure:	3.6 In.W.G. referred to the following conditions:
Operating temperature:	100°F
Altitude:	4800 ft. a.s.l.
Air volume:	35,000 CFM

From Kρ Air Density Correction Factor table (Graph 5.4) the value of 0.8 is read.

The corrected pressure, to be used for the selection on the performance chart, is therefore:

$$\Delta p_{stat1} = \Delta p_{stat2} / K\rho = 3.6 / 0.8 = 4.5 \text{ In.W.G.}$$

Selection should be made with a Δp_{stat1} equal to 4.5 In.W.G.

We obtain the following operation parameters:

Selected model and size: ATLI 32-32 T2, n = 651 RPM,

$$\text{effective } \Delta p_{dyn2} = \Delta p_{dyn1} \cdot K\rho = 0.64 \text{ In.W.G.} \cdot 0.8 = 0.51 \text{ In.W.G.}$$

Effective absorbed power on fan shaft (corrected value) at that altitude and temperature, will be:

$$P_{w2} = BHP \cdot K\rho = 40.3 \text{ HP} \cdot 0.8 = 32.24 \text{ HP}$$

7. Performance charts

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7.26. ATLI 28-22 R / T1 / T2 67
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7.29. ATLI 32-32 T1 / T2 73
7.30. ATLI 36-36 T1 / T2 75
7.31. ATLI 40-40 T1 / T2 77

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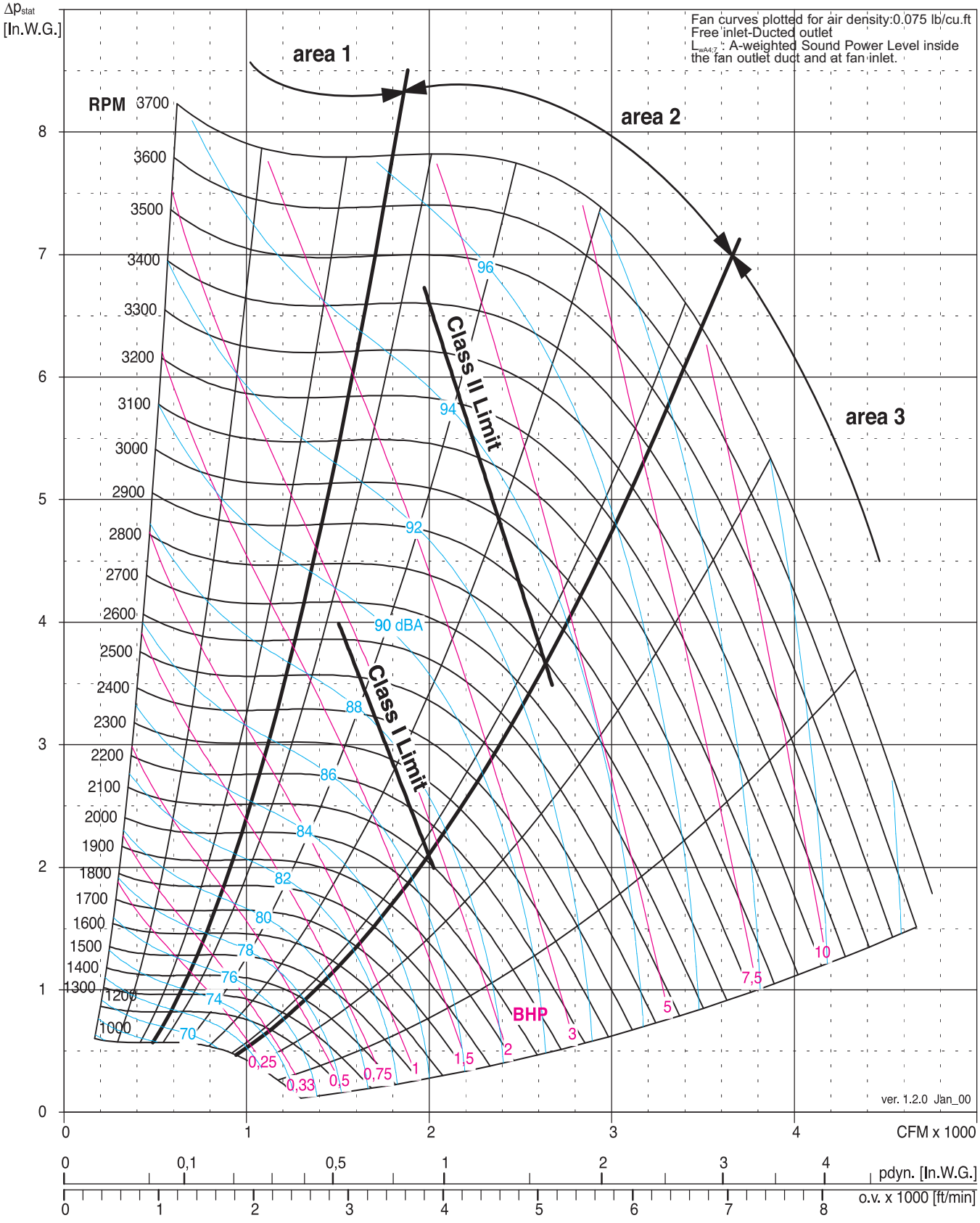
ATLI 7-7	B	R	T1	T2
Fan Max RPM [min^{-1}]	2815	2815	-	3630
Fan Max BHP	2	2	-	5
Fan Outlet Area O.A. [ft^2]	0.52			
Fan weight [Lb]	13.5	18.3	-	30.7
Wheel diameter [in.]	7.87			
Wheel width [in.]	7.05			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.38	0.38	-	0.38
Wheel weight [Lb]	3.25	3.25	-	3.25



ATLI 7-7 B / R / T2

	Δp_{stat} [In.W.G]																													
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	660	0.02	923	0.04	1120	0.07																										
300	662	0.02	935	0.05	1139	0.08	1308	0.12	1588	0.19																						
400	662	0.03	937	0.06	1146	0.1	1320	0.14	1607	0.22	1845	0.32	2053	0.42	2240	0.52																
500	672	0.04	936	0.08	1147	0.12	1325	0.16	1618	0.26	1860	0.36	2072	0.47	2262	0.59	2435	0.71	2596	0.84	2746	0.97	2888	1.11								
600	697	0.06	938	0.1	1146	0.14	1325	0.19	1622	0.29	1870	0.41	2084	0.53	2277	0.66	2453	0.79	2615	0.93	2768	1.07	2911	1.22	3047	1.37	3176	1.52	3300	1.68		
700	735	0.08	949	0.12	1147	0.17	1323	0.22	1623	0.33	1874	0.46	2092	0.59	2287	0.72	2465	0.87	2630	1.02	2784	1.17	2929	1.33	3066	1.49	3197	1.66	3322	1.83	3442	2	3558	2.18
800	782	0.1	972	0.15	1154	0.2	1324	0.26	1621	0.38	1874	0.51	2095	0.65	2293	0.8	2474	0.95	2640	1.11	2796	1.27	2943	1.44	3081	1.61	3214	1.79	3340	1.97	3461	2.16	3578	2.35
900	834	0.14	1004	0.19	1171	0.24	1330	0.3	1620	0.43	1873	0.57	2095	0.71	2295	0.87	2478	1.03	2647	1.2	2804	1.38	2953	1.55	3093	1.74	3226	1.93	3354	2.12	3476	2.31	3594	2.51
1000	890	0.17	1044	0.23	1196	0.29	1344	0.35	1622	0.48	1871	0.63	2094	0.79	2295	0.95	2479	1.12	2650	1.3	2809	1.48	2959	1.67	3101	1.86	3235	2.06	3364	2.26	3488	2.47	3606	2.68
1100	949	0.22	1090	0.28	1229	0.34	1366	0.41	1629	0.55	1872	0.7	2092	0.87	2293	1.04	2479	1.22	2650	1.4	2811	1.6	2962	1.79	3105	2	3241	2.2	3371	2.42	3496	2.63	3616	2.85
1200	1010	0.27	1141	0.34	1268	0.4	1395	0.47	1642	0.62	1876	0.78	2092	0.95	2292	1.13	2477	1.32	2649	1.52	2811	1.72	2963	1.92	3108	2.13	3245	2.35	3376	2.57	3502	2.8	3623	3.03
1300	1073	0.34	1195	0.4	1313	0.47	1430	0.55	1662	0.7	1884	0.87	2095	1.05	2292	1.24	2476	1.43	2648	1.63	2810	1.84	2963	2.06	3108	2.28	3246	2.5	3378	2.74	3505	2.97	3627	3.21
1400	1136	0.41	1251	0.48	1361	0.56	1471	0.63	1687	0.8	1899	0.97	2102	1.16	2294	1.35	2475	1.55	2646	1.76	2808	1.98	2961	2.2	3107	2.43	3246	2.67	3379	2.91	3506	3.15		
1500	1201	0.49	1309	0.57	1413	0.65	1515	0.73	1718	0.9	1918	1.08	2113	1.27	2299	1.47	2477	1.68	2646	1.9	2807	2.13	2960	2.36	3105	2.6	3244	2.84	3378	3.08	3506	3.34		
1600	1266	0.58	1369	0.66	1467	0.75	1564	0.84	1755	1.01	1944	1.2	2129	1.4	2309	1.61	2482	1.83	2648	2.05	2807	2.28	2958	2.52	3104	2.77	3243	3.02	3376	3.27	3505	3.53		
1700	1332	0.69	1430	0.77	1524	0.86	1615	0.95	1795	1.14	1974	1.34	2150	1.54	2323	1.76	2491	1.98	2653	2.21	2809	2.45	2959	2.7	3103	2.95	3241	3.21	3375	3.47	3503	3.74	3627	4.02
1800	1398	0.81	1493	0.9	1582	0.99	1668	1.09	1839	1.28	2008	1.49	2176	1.7	2341	1.92	2503	2.15	2661	2.39	2814	2.64	2961	2.89	3103	3.15	3241	3.41	3373	3.69	3501	3.96	3625	4.24
1900	1465	0.94	1556	1.03	1641	1.13	1724	1.23	1886	1.44	2047	1.65	2206	1.87	2365	2.1	2520	2.34	2673	2.58	2821	2.83	2966	3.09	3106	3.36	3242	3.63	3373	3.91	3500	4.2	3624	4.48
2000	1532	1.09	1620	1.18	1701	1.29	1781	1.39	1935	1.6	2088	1.83	2241	2.05	2392	2.29	2541	2.53	2689	2.79	2833	3.05	2974	3.31	3111	3.59	3245	3.87	3375	4.15	3501	4.44	3623	4.74
2100	1600	1.25	1684	1.35	1763	1.45	1839	1.56	1987	1.79	2133	2.02	2279	2.25	2423	2.5	2566	2.75	2708	3.01	2848	3.27	2985	3.55	3119	3.83	3250	4.11	3378	4.41	3503	4.71		
2200	1668	1.42	1749	1.53	1825	1.64	1898	1.75	2041	1.99	2181	2.23	2320	2.47	2458	2.72	2595	2.98	2732	3.25	2867	3.52	3000	3.8	3130	4.09	3259	4.38	3384	4.68	3507	4.98		
2300	1736	1.62	1815	1.73	1888	1.84	1959	1.96	2096	2.2	2230	2.45	2363	2.7	2496	2.96	2628	3.23	2759	3.5	2889	3.78	3018	4.07	3145	4.36	3270	4.66	3393	4.97				
2400	1805	1.83	1881	1.94	1952	2.06	2020	2.18	2152	2.43	2282	2.69	2409	2.95	2537	3.22	2663	3.49	2790	3.77	2915	4.06	3040	4.36	3163	4.66	3284	4.96						
2450	1839	1.94	1914	2.05	1984	2.18	2051	2.3	2181	2.56	2308	2.82	2433	3.08	2558	3.36	2682	3.63	2806	3.92	2930	4.21	3052	4.51	3173	4.81								
2500	1873	2.06	1947	2.17	2016	2.3	2082	2.42	2210	2.68	2335	2.95	2458	3.22	2580	3.5	2702	3.78	2824	4.07	2945	4.36	3065	4.66	3184	4.97								
2550	1908	2.18	1980	2.3	2048	2.42	2114	2.55	2239	2.81	2362	3.09	2483	3.36	2603	3.64	2722	3.93	2842	4.22	2960	4.52	3079	4.82										
2600	1864	2.3	2014	2.42	2081	2.55	2145	2.68	2269	2.95	2389	3.23	2508	3.51	2626	3.79	2743	4.08	2860	4.38	2977	4.68	3093	4.99										
2650	1977	2.44	2047	2.56	2113	2.68	2177	2.82	2299	3.09	2417	3.37	2534	3.66	2649	3.95	2765	4.24	2880	4.54	2994	4.85												
2700	2011	2.57	2081	2.69	2146	2.82	2208	2.96	2328	3.24	2445	3.52	2560	3.81	2673	4.11	2787	4.4	2900	4.71														
2750	2046	2.71	2114	2.84	2179	2.97	2240	3.11	2359	3.39	2473	3.68	2586	3.97	2698	4.27	2809	4.57	2920	4.88														
2800	2081	2.86	2148	2.98	2211	3.12	2272	3.26	2389	3.55	2502	3.84	2613	4.14	2723	4.44	2832	4.75																
2850	2115	3.01	2182	3.14	2244	3.27	2304	3.42	2419	3.71	2531	4	2640	4.31	2748	4.62	2856	4.93																
2900	2150	3.17	2216	3.3	2277	3.43	2336	3.58	2450	3.87	2560	4.18	2667	4.48	2774	4.8																		
2950	2185	3.33	2249	3.46	2310	3.6	2369	3.75	2481	4.05	2589	4.35	2695	4.66	2800	4.98																		
3000	2219	3.5	2283	3.63	2344	3.77	2401	3.92	2512	4.22	2619	4.53	2723	4.85																				
3050	2254	3.67	2317	3.8	2377	3.95	2434	4.1	2543	4.41	2648	4.72																						
3100	2289	3.85	2351	3.99	2410	4.13	2466	4.28	2574	4.59	2678	4.92																						
3150	2324	4.04	2385	4.17	2443	4.32	2499	4.47	2605	4.79																								
3200	2359	4.23	2420	4.37	2477	4.51	2532	4.67	2637	4.99																								
3250	2394	4.43	2454	4.56	2510	4.71	2565	4.87																										
3300	2429	4.63	2488	4.77	2544	4.92																												

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 7-7	Area 1	RPM < 1121	**14.2**	13	7	-3	-5	-5	-9	-16	-26
		1122 <RPM< 2211	**13.5**	12	7	-3	-6	-4	-7	-13	-21
		RPM > 2212	**12.3**	10	7	0	-6	-7	-6	-12	-18
	Area 2	RPM < 1121	**10.8**	9	4	-2	-5	-5	-8	-13	-20
		1122 <RPM< 2211	**9.4**	7	4	-4	-7	-5	-7	-10	-15
		RPM > 2212	**7.5**	4	2	-2	-7	-7	-5	-9	-15
	Area 3	RPM < 1121	**10.1**	8	4	-4	-5	-6	-7	-10	-15
		1122 <RPM< 2211	**10.0**	8	4	-5	-8	-5	-6	-9	-13
		RPM > 2212	**8.1**	5	3	-4	-7	-7	-5	-8	-13

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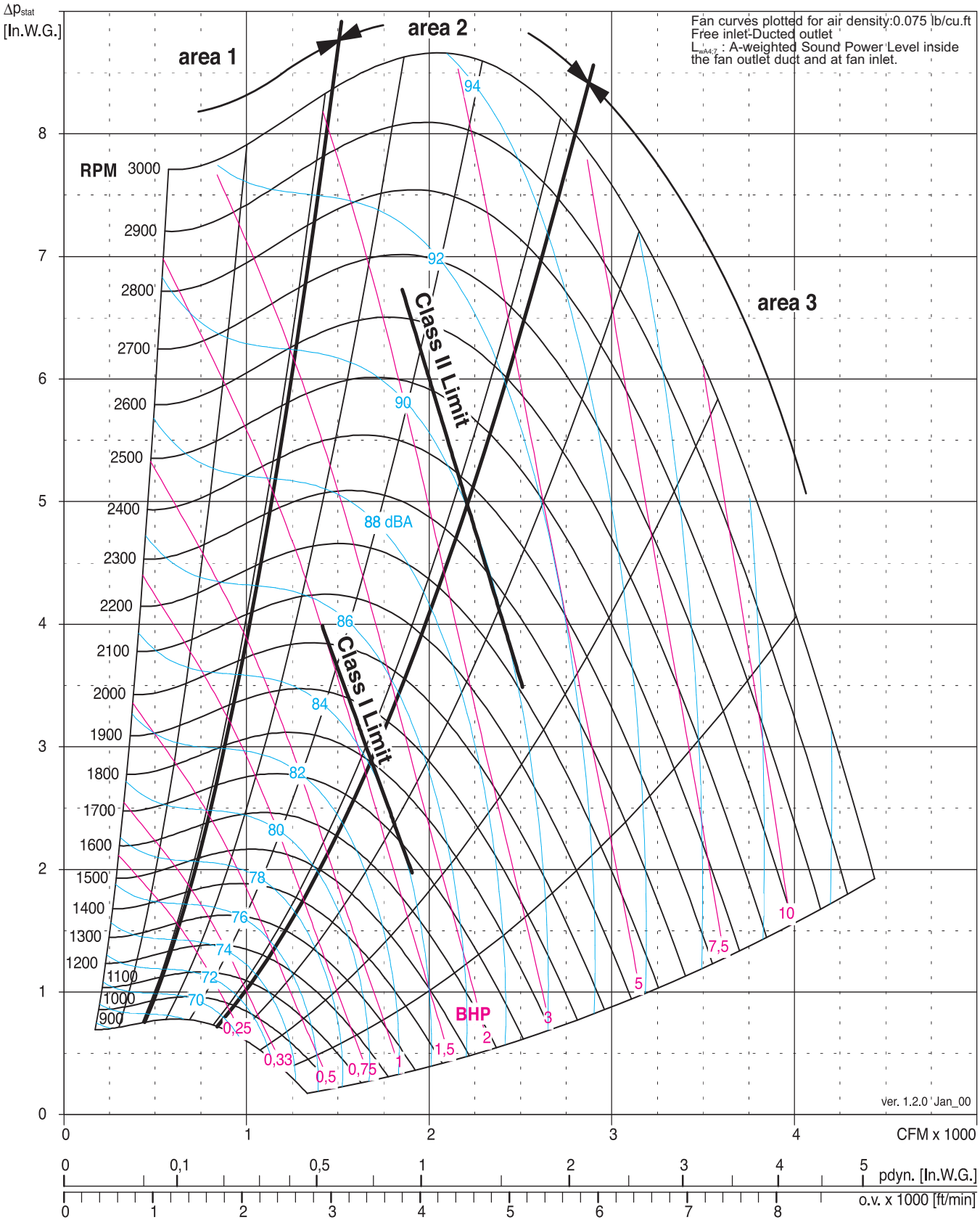
ATLI 9-4	B	R	T1	T2
Fan Max RPM [min^{-1}]	2250	2250	-	2900
Fan Max BHP	2	2	-	5
Fan Outlet Area O.A. [ft^2]	0.49			
Fan weight [Lb]	15.8	23.8	-	36
Wheel diameter [in.]	9.84			
Wheel width [in.]	4.84			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.69	0.69	-	0.69
Wheel weight [Lb]	4.9	4.9	-	4.9



ATLI 9-4 B / R / T2

	Δp_{stat} [In.W.G]																													
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5		8	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
100	540	0.01																																
200	529	0.01	762	0.03	936	0.05	1080	0.08	1319	0.14																								
300	512	0.02	745	0.04	925	0.07	1075	0.09	1323	0.16	1528	0.23	1707	0.31	1868	0.4	2015	0.5	2151	0.59														
400	513	0.03	727	0.05	906	0.08	1058	0.11	1312	0.18	1523	0.26	1707	0.35	1871	0.44	2021	0.54	2160	0.64														
500	532	0.04	721	0.07	889	0.1	1039	0.13	1294	0.2	1509	0.29	1696	0.38	1864	0.48	2018	0.58	2159	0.7	2292	0.81	2416	0.93	2534	1.06								
600	564	0.06	729	0.09	883	0.12	1024	0.15	1274	0.23	1490	0.32	1680	0.42	1850	0.52	2006	0.63	2150	0.75	2285	0.87	2411	1	2531	1.13	2645	1.27	2754	1.41	2859	1.56		
700	603	0.08	750	0.11	889	0.15	1019	0.19	1258	0.27	1470	0.36	1660	0.46	1832	0.57	1989	0.69	2135	0.81	2272	0.94	2400	1.07	2522	1.21	2638	1.35	2748	1.5	2854	1.65		
800	648	0.11	780	0.15	905	0.19	1025	0.23	1250	0.31	1454	0.41	1641	0.52	1812	0.63	1970	0.75	2117	0.88	2254	1.01	2384	1.15	2507	1.29	2624	1.44	2736	1.59	2844	1.74		
900	696	0.14	816	0.19	930	0.23	1040	0.27	1250	0.37	1444	0.47	1625	0.58	1793	0.69	1950	0.82	2097	0.95	2235	1.09	2365	1.23	2489	1.38	2607	1.53	2721	1.69	2829	1.85		
1000	747	0.19	857	0.23	962	0.28	1064	0.33	1258	0.43	1442	0.53	1615	0.65	1778	0.77	1932	0.9	2077	1.03	2215	1.17	2345	1.32	2470	1.47	2588	1.63	2702	1.79	2811	1.96		
1100	800	0.24	902	0.29	999	0.34	1093	0.39	1274	0.5	1447	0.61	1612	0.73	1769	0.86	1919	0.99	2061	1.13	2197	1.27	2326	1.42	2450	1.58	2568	1.74	2682	1.91	2792	2.08	2897	2.26
1200	854	0.3	949	0.35	1039	0.41	1127	0.47	1296	0.58	1459	0.7	1615	0.82	1766	0.95	1910	1.09	2049	1.23	2181	1.38	2309	1.54	2431	1.7	2549	1.87	2662	2.04	2772	2.21	2877	2.39
1300	909	0.37	998	0.43	1083	0.49	1165	0.55	1324	0.67	1477	0.8	1625	0.93	1768	1.07	1907	1.21	2041	1.35	2170	1.51	2295	1.67	2415	1.83	2531	2	2644	2.18	2752	2.36	2858	2.54
1400	966	0.45	1049	0.51	1129	0.58	1206	0.65	1356	0.78	1500	0.91	1641	1.05	1777	1.19	1910	1.34	2039	1.49	2164	1.65	2285	1.81	2403	1.98	2517	2.15	2628	2.33	2735	2.52	2839	2.7
1500	1023	0.54	1101	0.61	1177	0.68	1250	0.75	1392	0.89	1528	1.04	1662	1.18	1791	1.33	1918	1.48	2042	1.64	2163	1.8	2280	1.97	2395	2.14	2506	2.32	2615	2.5	2720	2.69	2823	2.88
1600	1081	0.65	1155	0.72	1226	0.8	1296	0.87	1430	1.02	1560	1.18	1687	1.33	1811	1.48	1932	1.64	2050	1.8	2166	1.97	2280	2.14	2391	2.32	2499	2.5	2605	2.69	2709	2.88	2810	3.08
1700	1140	0.77	1209	0.84	1277	0.92	1343	1	1471	1.17	1595	1.33	1716	1.49	1834	1.65	1950	1.82	2063	1.99	2175	2.16	2284	2.34	2392	2.52	2497	2.71	2600	2.9	2701	3.09	2800	3.29	2897	3.5
1800	1199	0.91	1265	0.98	1329	1.07	1392	1.15	1514	1.32	1633	1.49	1748	1.66	1861	1.83	1972	2.01	2081	2.18	2188	2.36	2294	2.55	2397	2.73	2499	2.93	2599	3.12	2697	3.32	2794	3.53	2889	3.74
1900	1258	1.06	1321	1.14	1382	1.22	1442	1.31	1559	1.49	1673	1.67	1783	1.85	1891	2.03	1998	2.21	2102	2.4	2205	2.58	2307	2.77	2407	2.97	2505	3.16	2602	3.36	2698	3.57	2792	3.78	2884	3.99
2000	1318	1.22	1378	1.31	1436	1.4	1494	1.49	1606	1.68	1714	1.87	1820	2.06	1924	2.25	2027	2.44	2127	2.63	2226	2.82	2324	3.02	2421	3.22	2516	3.42	2610	3.63	2702	3.84	2794	4.05	2884	4.27
2050	1347	1.31	1406	1.4	1463	1.49	1520	1.58	1629	1.78	1736	1.97	1840	2.17	1942	2.36	2042	2.56	2141	2.75	2238	2.95	2334	3.15	2429	3.35	2522	3.56	2615	3.77	2706	3.98	2796	4.2	2885	4.42
2100	1378	1.41	1435	1.49	1491	1.59	1546	1.68	1654	1.88	1758	2.08	1860	2.28	1960	2.48	2058	2.68	2155	2.88	2251	3.08	2345	3.28	2438	3.49	2530	3.7	2621	3.91	2711	4.13	2799	4.35	2887	4.57
2150	1408	1.51	1464	1.59	1519	1.69	1573	1.79	1678	1.99	1780	2.19	1881	2.4	1979	2.6	2075	2.81	2170	3.01	2264	3.22	2356	3.42	2448	3.63	2538	3.85	2628	4.06	2716	4.28	2803	4.5	2890	4.73
2200	1438	1.61	1493	1.7	1546	1.8	1599	1.9	1703	2.1	1803	2.31	1901	2.52	1998	2.73	2092	2.94	2186	3.15	2278	3.36	2369	3.57	2459	3.78	2548	4	2636	4.22	2723	4.44	2809	4.66	2893	4.89
2250	1468	1.72	1522	1.81	1574	1.91	1626	2.01	1728	2.22	1826	2.43	1923	2.65	2017	2.86	2110	3.07	2202	3.29	2293	3.5	2382	3.72	2470	3.93	2558	4.15	2644	4.38	2730	4.6	2814	4.83		
2300	1498	1.83	1551	1.92	1602	2.02	1653	2.13	1753	2.34	1850	2.56	1944	2.78	2037	3	2129	3.21	2219	3.43	2308	3.65	2396	3.87	2483	4.09	2569	4.31	2654	4.54	2738	4.77	2821	5		
2350	1528	1.95	1580	2.04	1631	2.14	1681	2.25	1778	2.47	1873	2.69	1967	2.92	2058	3.14	2148	3.36	2236	3.58	2324	3.81	2410	4.03	2496	4.25	2580	4.48	2664	4.71	2747	4.94				
2400	1559	2.07	1609	2.17	1659	2.27	1708	2.38	1804	2.6	1897	2.83	1989	3.06	2079	3.28	2167	3.51	2254	3.74	2340	3.97	2425	4.19	2509	4.42	2592	4.65	2675	4.89						
2450	1589	2.2	1639	2.3	1687	2.4	1736	2.51	1830	2.74	1922	2.97	2012	3.2	2100	3.44	2187	3.67	2272	3.9	2357	4.13	2441	4.36	2523	4.6	2605	4.83								
2500	1620	2.34	1668	2.43	1716	2.54	1763	2.65	1856	2.88	1946	3.12	2035	3.35	2122	3.59	2207	3.83	2291	4.06	2375	4.3	2457	4.54	2538	4.78										
2550	1650	2.48	1698	2.57	1745	2.68	1791	2.79	1882	3.03	1971	3.27	2058	3.51	2143	3.75	2228	3.99	2311	4.24	2392	4.48	2474	4.72	2554	4.96										
2600	1681	2.62	1727	2.72	1773	2.83	1819	2.94	1908	3.18	1996	3.42	2082	3.67	2166	3.92	2249	4.17	2330	4.41	2411	4.66	2491	4.9												
2650	1711	2.77	1757	2.87	1802	2.98	1847	3.1	1935	3.34	2021	3.59	2105	3.84	2188	4.09	2270	4.34	2350	4.59	2430	4.84														
2700	1742	2.93	1787	3.03	1831	3.14	1875	3.26	1962	3.5	2046	3.76	2129	4.01	2211	4.27	2291	4.52	2371	4.78																
2750	1772	3.09	1816	3.19	1860	3.3	1903	3.42	1989	3.67	2072	3.93	2154	4.19	2234	4.45	2313	4.71	2391	4.97																
2800	1803	3.26	1846	3.36	1889	3.47	1932	3.59	2016	3.85	2098	4.11	2178	4.37	2257	4.64	2335	4.91																		
2900	1864	3.61	1906	3.72	1948	3.83	1989	3.96	2070	4.22	2150	4.49	2228	4.76																						
3000	1926	3.99	1966	4.1	2007	4.22	2046	4.34	2125	4.61	2202	4.89																								
3100	1987	4.4	2026	4.51	2065	4.63	2104	4.76																												
3200	2049	4.83	2087	4.94																																

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 9-4	Area 1	RPM < 561	**11.8**	10	5	1	-4	-7	-10	-15	-25
		562 <RPM< 1121	**11.5**	10	4	-1	-5	-6	-9	-13	-18
		1122 <RPM< 2211	**10.3**	8	5	-3	-7	-6	-7	-11	-18
		RPM > 2212	**9.5**	7	4	-3	-7	-6	-6	-10	-16
	Area 2	RPM < 561	**7.8**	4	0	2	-4	-6	-8	-13	-23
		562 <RPM< 1121	**6.2**	2	0	-2	-6	-5	-6	-11	-20
		1122 <RPM< 2211	**4.4**	1	-4	-7	-8	-5	-6	-9	-15
		RPM > 2212	**4.1**	0	-5	-7	-8	-5	-4	-8	-14
	Area 3	RPM < 561	**6.6**	2	0	0	-4	-5	-7	-11	-19
		562 <RPM< 1121	**5.7**	2	-1	-3	-6	-6	-6	-10	-17
		1122 <RPM< 2211	**5.0**	2	-3	-8	-8	-5	-6	-8	-13
		RPM > 2212	**5.2**	2	-3	-7	-9	-7	-4	-7	-11

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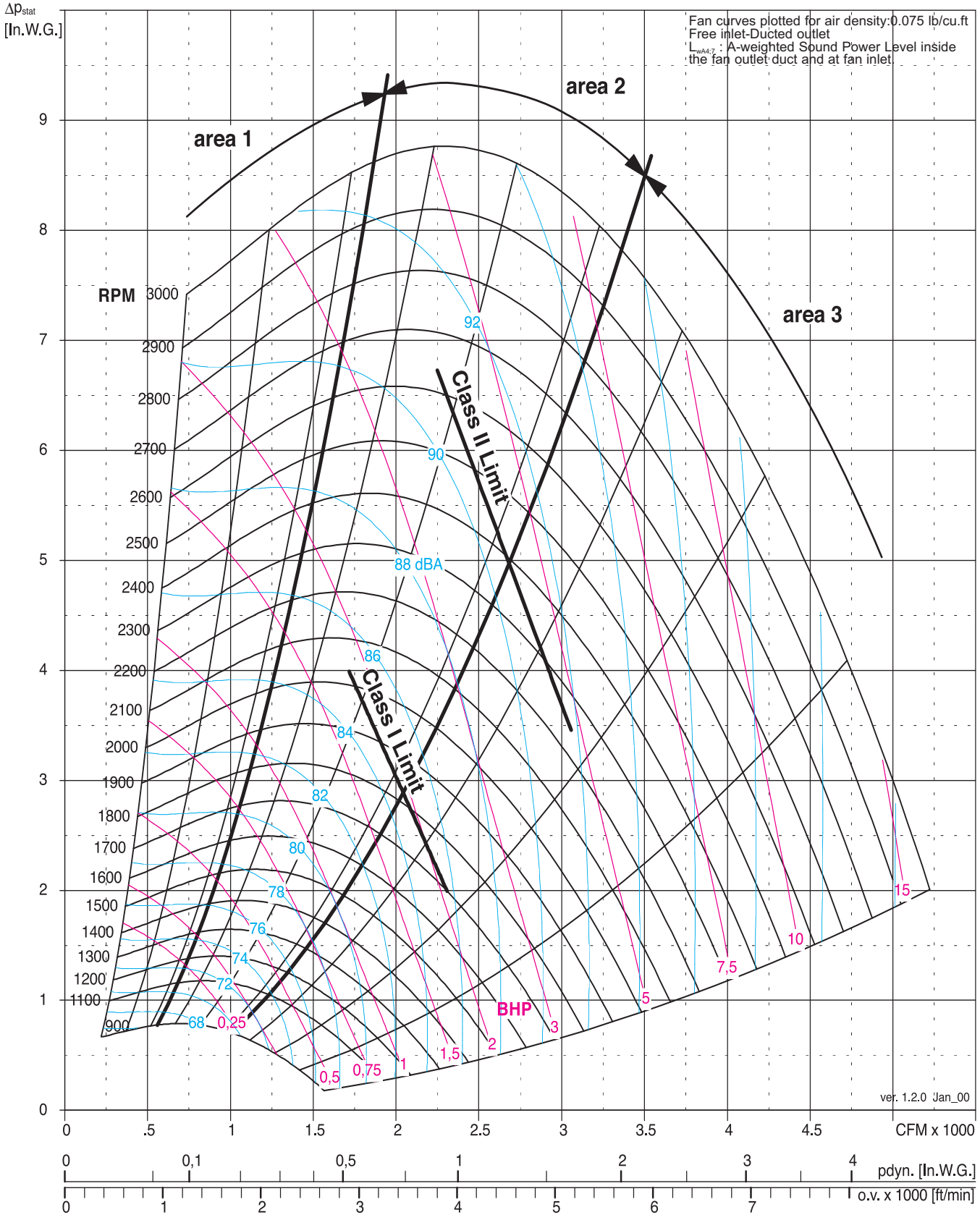
ATLI 9-6	B	R	T1	T2
Fan Max RPM [min^{-1}]	2215	2215	-	2900
Fan Max BHP	2.5	2.5	-	5
Fan Outlet Area O.A. [ft^2]	0.59			
Fan weight [Lb]	17.2	25.2	-	37.4
Wheel diameter [in.]	9.84			
Wheel width [in.]	5.87			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.74	0.74	-	0.74
Wheel weight [Lb]	5.36	5.36	-	5.36



ATLI 9-6 B / R / T2

Δp_{stat} [In.W.G]

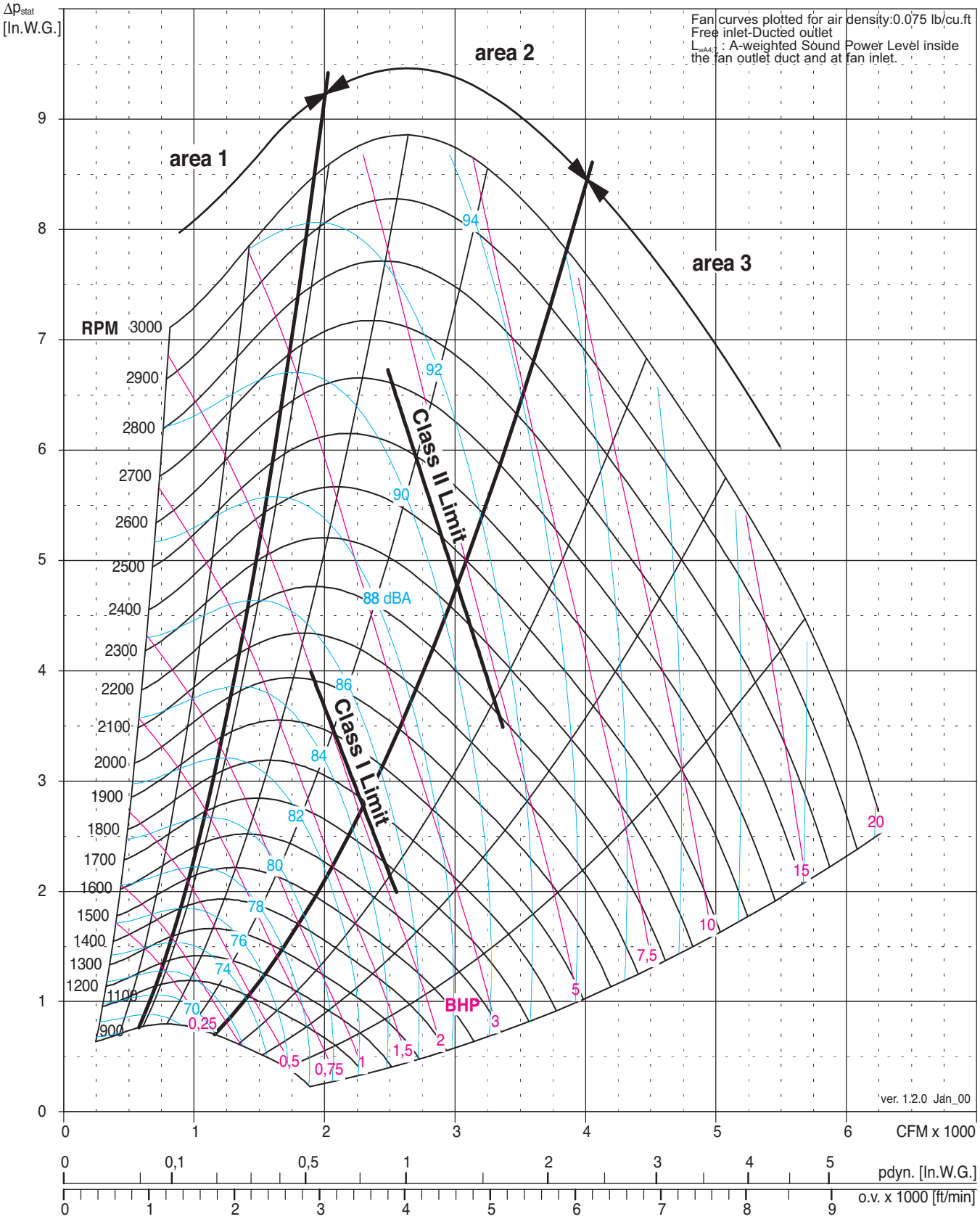
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5		8	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
100	557	0.01	793	0.04	973	0.06	1123	0.1	1376	0.17	1588	0.26	1775	0.36																								
200	535	0.02	777	0.04	961	0.07	1115	0.11	1371	0.19	1586	0.29	1775	0.39	1945	0.51	2102	0.64																		
300	513	0.02	752	0.05	938	0.08	1095	0.12	1355	0.2	1574	0.3	1765	0.42	1937	0.54	2095	0.67																		
400	507	0.03	730	0.05	913	0.09	1070	0.13	1333	0.22	1554	0.32	1747	0.44	1922	0.57	2081	0.7																		
500	516	0.04	718	0.06	892	0.1	1045	0.14	1307	0.23	1529	0.34	1725	0.46	1901	0.59	2062	0.74	2211	0.89																
600	536	0.05	718	0.08	880	0.12	1027	0.16	1283	0.25	1504	0.37	1699	0.49	1876	0.62	2039	0.77	2189	0.92	2331	1.09														
700	564	0.07	729	0.1	878	0.14	1016	0.18	1263	0.28	1480	0.39	1674	0.52	1851	0.66	2013	0.81	2165	0.96	2307	1.13	2441	1.31	2568	1.49	2689	1.68	2806	1.87						
800	596	0.09	747	0.12	885	0.16	1014	0.21	1249	0.31	1460	0.43	1651	0.56	1826	0.7	1988	0.85	2139	1.01	2281	1.18	2416	1.36	2544	1.54	2666	1.74	2782	1.94						
900	632	0.11	771	0.15	899	0.2	1019	0.24	1242	0.35	1445	0.47	1631	0.6	1803	0.74	1964	0.9	2114	1.06	2256	1.23	2390	1.41	2518	1.6	2640	1.8	2757	2	2870	2.21				
1000	671	0.15	800	0.19	919	0.24	1032	0.29	1242	0.39	1436	0.52	1616	0.65	1784	0.8	1942	0.95	2091	1.12	2231	1.3	2365	1.48	2492	1.67	2615	1.87	2732	2.08	2845	2.29				
1100	713	0.18	832	0.23	944	0.28	1050	0.34	1248	0.45	1433	0.57	1607	0.71	1770	0.86	1924	1.02	2070	1.19	2209	1.36	2341	1.55	2468	1.75	2590	1.95	2706	2.16	2819	2.37				
1200	756	0.23	867	0.28	972	0.34	1072	0.39	1260	0.51	1436	0.64	1603	0.78	1760	0.93	1910	1.09	2053	1.26	2189	1.44	2320	1.63	2445	1.83	2566	2.03	2682	2.25	2794	2.47				
1300	800	0.28	904	0.34	1004	0.4	1098	0.46	1277	0.58	1444	0.71	1604	0.86	1756	1.01	1901	1.17	2040	1.35	2174	1.53	2302	1.72	2425	1.92	2544	2.13	2659	2.35	2771	2.57				
1400	846	0.34	944	0.4	1037	0.47	1127	0.53	1297	0.66	1457	0.8	1610	0.94	1756	1.1	1896	1.27	2032	1.45	2162	1.63	2287	1.83	2408	2.03	2526	2.24	2639	2.46	2749	2.68	2856	2.91		
1500	893	0.41	984	0.48	1073	0.54	1159	0.61	1321	0.75	1474	0.89	1620	1.04	1761	1.2	1896	1.38	2027	1.55	2154	1.74	2276	1.94	2395	2.14	2510	2.36	2622	2.58	2730	2.8	2836	3.04		
1600	940	0.49	1027	0.56	1111	0.63	1192	0.7	1347	0.85	1494	1	1635	1.15	1770	1.32	1901	1.49	2027	1.68	2150	1.87	2269	2.07	2385	2.27	2498	2.49	2607	2.71	2714	2.94	2818	3.18		
1700	989	0.57	1070	0.65	1150	0.73	1227	0.8	1376	0.96	1517	1.11	1652	1.28	1783	1.45	1909	1.62	2031	1.81	2150	2	2266	2.21	2379	2.42	2489	2.63	2596	2.86	2701	3.09	2803	3.33		
1800	1038	0.67	1114	0.75	1190	0.83	1264	0.91	1407	1.08	1543	1.24	1673	1.41	1798	1.58	1920	1.77	2039	1.96	2154	2.15	2267	2.36	2377	2.57	2484	2.79	2589	3.02	2691	3.26	2791	3.5		
1900	1087	0.78	1160	0.86	1232	0.95	1303	1.04	1440	1.21	1570	1.38	1696	1.55	1817	1.73	1935	1.92	2050	2.12	2162	2.32	2271	2.53	2378	2.74	2482	2.97	2585	3.2	2685	3.44	2783	3.68		
2000	1137	0.9	1206	0.99	1275	1.08	1343	1.17	1474	1.35	1600	1.53	1721	1.71	1839	1.9	1953	2.09	2064	2.29	2172	2.5	2278	2.71	2382	2.93	2484	3.16	2584	3.39	2682	3.63	2778	3.88		
2100	1187	1.03	1253	1.12	1318	1.22	1383	1.31	1510	1.5	1631	1.69	1749	1.88	1862	2.08	1973	2.28	2080	2.48	2186	2.69	2289	2.91	2390	3.13	2489	3.36	2586	3.6	2682	3.84	2775	4.09	2868	4.35
2200	1237	1.18	1300	1.27	1363	1.37	1425	1.47	1547	1.67	1664	1.87	1778	2.07	1888	2.27	1995	2.47	2100	2.68	2202	2.9	2302	3.12	2400	3.35	2497	3.58	2591	3.82	2685	4.07	2776	4.32	2866	4.58
2300	1288	1.34	1348	1.44	1408	1.54	1468	1.64	1585	1.85	1699	2.06	1809	2.27	1916	2.47	2019	2.69	2121	2.9	2220	3.12	2318	3.35	2413	3.58	2507	3.82	2600	4.07	2690	4.32	2780	4.57	2868	4.84
2400	1339	1.51	1396	1.61	1454	1.72	1511	1.83	1624	2.05	1734	2.26	1841	2.48	1945	2.69	2046	2.91	2144	3.14	2241	3.36	2336	3.6	2429	3.83	2520	4.08	2610	4.33	2699	4.58	2786	4.84		
2500	1390	1.7	1445	1.81	1500	1.92	1556	2.03	1665	2.26	1771	2.48	1875	2.71	1975	2.93	2074	3.16	2169	3.39	2264	3.62	2356	3.86	2446	4.1	2536	4.35	2623	4.6	2710	4.86				
2600	1441	1.9	1494	2.01	1547	2.13	1600	2.24	1706	2.48	1809	2.71	1909	2.95	2007	3.18	2103	3.42	2196	3.65	2288	3.89	2378	4.14	2466	4.39	2553	4.64	2639	4.9						
2700	1493	2.12	1544	2.24	1595	2.35	1646	2.48	1748	2.72	1848	2.96	1945	3.21	2040	3.45	2133	3.69	2225	3.94	2314	4.18	2402	4.43	2488	4.69	2573	4.95								
2800	1544	2.36	1593	2.48	1643	2.6	1692	2.72	1790	2.98	1887	3.23	1982	3.48	2075	3.73	2165	3.98	2254	4.24	2341	4.49	2427	4.75												
2850	1570	2.48	1618	2.6	1667	2.73	1715	2.85	1812	3.11	1907	3.37	2001	3.63	2092	3.88	2182	4.14	2269	4.39	2356	4.65	2440	4.91												
2900	1596	2.61	1643	2.73	1691	2.86	1739	2.99	1834	3.25	1928	3.51	2020	3.77	2110	4.03	2198	4.29	2285	4.55	2370	4.82														
2950	1622	2.75	1668	2.87	1715	2.99	1762	3.13	1856	3.39	1948	3.66	2039	3.93	2128	4.19	2215	4.46	2301	4.72	2385	4.99														
3000	1648	2.88	1694	3.01	1739	3.14	1786	3.27	1878	3.54	1969	3.81	2058	4.08	2146	4.35	2232	4.62	2317	4.89																
3050	1674	3.03	1719	3.15	1764	3.28	1809	3.42	1900	3.69	1990	3.97	2078	4.24	2165	4.52	2250	4.79																		
3100	1700	3.17	1744	3.3	1788	3.43	1833	3.57	1922	3.85	2011	4.13	2098	4.41	2183	4.69	2268	4.97																		
3150	1726	3.33	1769	3.45	1813	3.59	1857	3.73	1945	4.01	2032	4.3	2118	4.58	2202	4.86																				
3200	1752	3.48	1795	3.61	1838	3.75	1881	3.89	1967	4.18	2053	4.47	2138	4.76																						
3250	1778	3.64	1820	3.78	1862	3.91	1905	4.06	1990	4.35	2075	4.64	2158	4.94																						
3300	1804	3.81	1845	3.94	1887	4.08	1929	4.23	2013	4.52	2096	4.82																								
3350	1830	3.98	1871	4.12	1912	4.26	1953	4.4	2036	4.7																										
3400	1857	4.16	1896	4.3	1937	4.44	1977	4.59	2059	4.89																										
3500	1909	4.53	1948	4.67	1987	4.82	2026	4.97																												
3600	1961	4.92																																		

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 9-6	Area 1	RPM < 561	**11.9**	10	5	2	-4	-7	-10	-16	-26
		562 <RPM< 1121	**11.4**	9	6	1	-5	-6	-9	-16	-25
		1122 <RPM< 2211	**11.9**	10	6	-2	-6	-5	-7	-12	-19
		RPM > 2212	**11.0**	9	5	-2	-6	-5	-6	-11	-17
	Area 2	RPM < 561	**9.9**	7	3	3	-4	-6	-9	-16	-25
		562 <RPM< 1121	**8.4**	4	4	0	-5	-5	-8	-14	-24
		1122 <RPM< 2211	**4.9**	0	-1	-4	-7	-5	-6	-10	-16
		RPM > 2212	**4.5**	-1	-2	-4	-7	-6	-4	-9	-14
	Area 3	RPM < 561	**7.2**	3	1	0	-3	-5	-8	-12	-19
		562 <RPM< 1121	**6.8**	3	1	-3	-3	-6	-7	-11	-17
		1122 <RPM< 2211	**6.3**	3	0	-4	-6	-5	-7	-10	-15
		RPM > 2212	**5.4**	1	0	-5	-8	-7	-5	-8	-13

comefri

ATLI 9-7	B	R	T1	T2
Fan Max RPM [min^{-1}]	2250	2250	-	2900
Fan Max BHP	3	3	-	5
Fan Outlet Area O.A. [ft^2]	0.65			
Fan weight [Lb]	18	26	-	38
Wheel diameter [in.]	9.84			
Wheel width [in.]	6.69			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.79	0.79	-	0.79
Wheel weight [Lb]	5.7	5.7	-	5.7



ATLI 9-7 B / R / T2

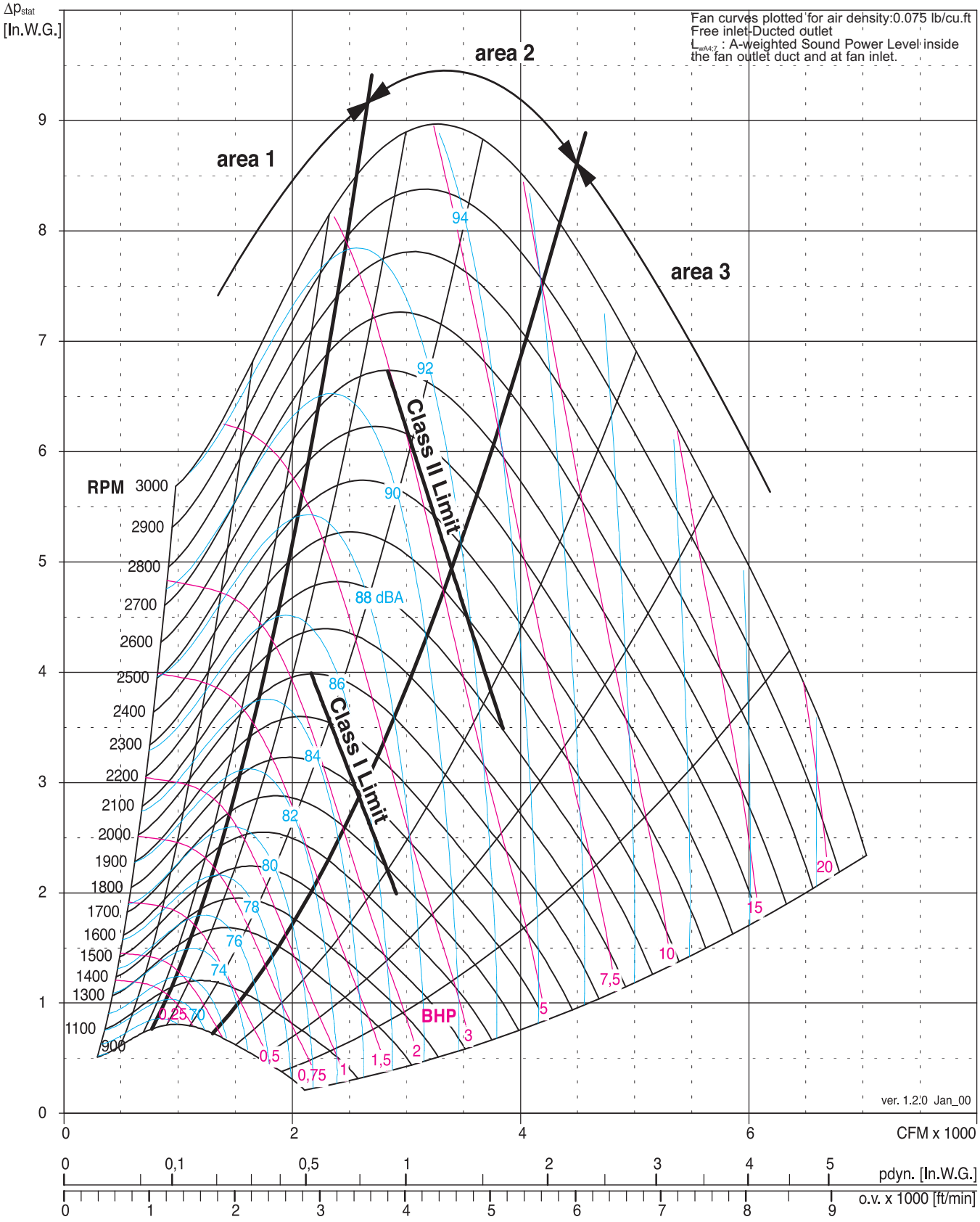
Δp_{stat} [In.W.G]																														
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5		8	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
100	566	0.01																																
200	552	0.02	798	0.04	981	0.07	1132	0.1	1383	0.18																								
300	522	0.02	775	0.04	967	0.08	1126	0.11	1387	0.19	1602	0.29	1790	0.39	1958	0.5	2112	0.62																
400	505	0.03	745	0.05	940	0.09	1103	0.12	1373	0.21	1596	0.31	1789	0.42	1962	0.54	2119	0.66																
500	507	0.03	722	0.06	910	0.1	1073	0.14	1348	0.23	1577	0.33	1776	0.44	1953	0.57	2115	0.7																
600	520	0.04	713	0.08	887	0.11	1044	0.15	1318	0.25	1550	0.36	1753	0.47	1935	0.6	2100	0.74	2252	0.89														
700	539	0.06	716	0.09	875	0.13	1023	0.18	1288	0.27	1520	0.38	1725	0.51	1909	0.64	2077	0.78	2232	0.93	2377	1.09	2513	1.25										
800	561	0.07	727	0.11	874	0.16	1011	0.2	1263	0.3	1490	0.42	1694	0.54	1879	0.68	2049	0.83	2207	0.98	2354	1.14	2492	1.31	2622	1.49	2746	1.67	2865	1.86				
900	585	0.09	744	0.14	881	0.18	1008	0.23	1246	0.34	1464	0.46	1664	0.59	1848	0.73	2019	0.88	2177	1.03	2326	1.2	2466	1.37	2598	1.56	2724	1.74	2844	1.94				
1000	610	0.12	764	0.17	894	0.22	1013	0.27	1237	0.38	1444	0.5	1638	0.63	1819	0.78	1988	0.93	2146	1.09	2295	1.26	2436	1.44	2570	1.63	2697	1.82	2818	2.02				
1100	637	0.14	786	0.2	911	0.25	1024	0.31	1235	0.43	1432	0.55	1618	0.69	1794	0.84	1959	0.99	2116	1.16	2264	1.33	2405	1.51	2539	1.7	2667	1.9	2790	2.1				
1200	665	0.17	810	0.23	930	0.29	1039	0.35	1239	0.48	1426	0.61	1604	0.75	1773	0.9	1935	1.06	2088	1.23	2235	1.41	2375	1.59	2508	1.79	2636	1.98	2759	2.19	2877	2.4		
1300	695	0.21	834	0.27	952	0.34	1057	0.4	1249	0.54	1427	0.68	1596	0.82	1759	0.98	1915	1.14	2064	1.31	2208	1.49	2346	1.68	2478	1.88	2606	2.08	2728	2.29	2846	2.51		
1400	728	0.25	859	0.32	975	0.39	1077	0.46	1262	0.6	1432	0.75	1594	0.9	1750	1.06	1900	1.23	2045	1.4	2185	1.59	2320	1.78	2451	1.98	2576	2.18	2698	2.4	2816	2.62		
1500	762	0.3	886	0.37	999	0.45	1099	0.52	1278	0.67	1442	0.83	1597	0.99	1746	1.15	1891	1.32	2031	1.5	2167	1.69	2298	1.88	2426	2.09	2550	2.3	2670	2.51	2786	2.74	2899	2.96
1600	797	0.36	913	0.43	1023	0.51	1122	0.59	1296	0.75	1455	0.91	1604	1.08	1747	1.25	1886	1.43	2021	1.61	2153	1.8	2281	2	2405	2.21	2527	2.42	2644	2.64	2759	2.87	2871	3.1
1700	834	0.42	942	0.49	1049	0.58	1146	0.66	1317	0.83	1470	1	1615	1.18	1753	1.36	1887	1.54	2017	1.73	2144	1.93	2268	2.13	2389	2.34	2507	2.56	2623	2.78	2735	3.01	2845	3.24
1800	873	0.49	972	0.56	1075	0.65	1170	0.74	1338	0.92	1488	1.1	1628	1.29	1762	1.47	1891	1.66	2017	1.86	2139	2.06	2259	2.27	2377	2.48	2492	2.7	2604	2.93	2715	3.16	2822	3.4
1900	912	0.56	1003	0.64	1102	0.73	1195	0.83	1360	1.02	1507	1.21	1644	1.4	1773	1.6	1898	1.8	2020	2	2139	2.21	2255	2.42	2369	2.64	2481	2.86	2590	3.09	2698	3.33	2803	3.57
2000	951	0.65	1036	0.73	1130	0.82	1221	0.92	1384	1.12	1528	1.33	1661	1.53	1788	1.73	1909	1.94	2027	2.15	2142	2.36	2254	2.58	2365	2.8	2473	3.03	2580	3.27	2685	3.51	2788	3.75	2889	4.01
2100	992	0.74	1070	0.83	1159	0.92	1247	1.02	1407	1.24	1550	1.45	1680	1.66	1804	1.87	1922	2.09	2036	2.3	2148	2.52	2257	2.75	2364	2.98	2470	3.21	2573	3.45	2675	3.7	2776	3.95	2875	4.2
2200	1032	0.85	1105	0.93	1189	1.03	1274	1.13	1432	1.35	1572	1.58	1701	1.8	1822	2.02	1937	2.25	2049	2.47	2157	2.7	2263	2.93	2367	3.17	2470	3.41	2570	3.65	2670	3.9	2767	4.16	2864	4.42
2300	1074	0.96	1141	1.05	1220	1.15	1302	1.26	1457	1.48	1595	1.72	1722	1.95	1841	2.18	1954	2.41	2063	2.65	2168	2.88	2272	3.12	2373	3.37	2473	3.61	2571	3.86	2667	4.12	2763	4.38	2856	4.64
2400	1115	1.08	1179	1.18	1252	1.28	1331	1.39	1482	1.62	1619	1.86	1744	2.11	1861	2.35	1972	2.59	2079	2.83	2182	3.08	2283	3.33	2382	3.58	2479	3.83	2574	4.09	2668	4.35	2761	4.61	2852	4.89
2500	1157	1.21	1216	1.31	1286	1.41	1360	1.53	1508	1.77	1643	2.02	1767	2.27	1882	2.53	1991	2.78	2096	3.03	2197	3.29	2296	3.54	2392	3.8	2487	4.06	2580	4.32	2672	4.59	2762	4.86		
2600	1199	1.36	1255	1.46	1320	1.56	1391	1.68	1535	1.93	1668	2.19	1790	2.45	1904	2.71	2012	2.98	2115	3.24	2214	3.5	2310	3.77	2405	4.03	2497	4.3	2588	4.57	2678	4.85				
2700	1241	1.51	1294	1.62	1355	1.73	1423	1.84	1562	2.09	1693	2.36	1814	2.64	1927	2.91	2033	3.18	2134	3.46	2232	3.73	2327	4	2419	4.28	2510	4.55	2599	4.83				
2800	1284	1.68	1334	1.79	1392	1.9	1455	2.02	1590	2.27	1719	2.55	1839	2.83	1950	3.12	2055	3.4	2155	3.68	2251	3.97	2344	4.25	2435	4.53	2524	4.82						
2900	1326	1.85	1374	1.97	1429	2.08	1489	2.2	1618	2.47	1745	2.75	1863	3.04	1974	3.33	2077	3.63	2176	3.92	2271	4.21	2363	4.51	2452	4.8								
3000	1369	2.04	1415	2.16	1466	2.28	1524	2.4	1647	2.67	1771	2.96	1888	3.26	1998	3.56	2101	3.87	2198	4.17	2292	4.47	2382	4.78										
3100	1412	2.24	1455	2.37	1504	2.49	1559	2.62	1678	2.89	1798	3.18	1914	3.49	2022	3.8	2124	4.12	2221	4.43	2314	4.75												
3200	1455	2.46	1497	2.59	1543	2.72	1595	2.84	1708	3.12	1826	3.42	1940	3.74	2047	4.06	2148	4.38	2244	4.71														
3300	1498	2.69	1538	2.82	1582	2.95	1632	3.09	1740	3.37	1854	3.67	1966	3.99	2072	4.32	2172	4.66	2267	4.99														
3400	1541	2.93	1580	3.07	1622	3.21	1669	3.34	1773	3.63	1883	3.93	1993	4.26	2098	4.6	2197	4.94																
3500	1585	3.19	1621	3.33	1662	3.47	1707	3.61	1806	3.9	1913	4.21	2020	4.55	2123	4.89																		
3600	1628	3.46	1663	3.61	1702	3.75	1745	3.9	1840	4.19	1943	4.51	2048	4.85																				
3700	1671	3.75	1705	3.9	1743	4.05	1784	4.2	1875	4.5	1974	4.82																						
3800	1715	4.06	1748	4.21	1784	4.36	1823	4.51	1910	4.82																								
3900	1758	4.38	1790	4.54	1825	4.69	1863	4.85																										
4000	1802	4.71	1833	4.88																														

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{wocta} 63	ΔL_{wocta} 125	ΔL_{wocta} 250	ΔL_{wocta} 500	ΔL_{wocta} 1000	ΔL_{wocta} 2000	ΔL_{wocta} 4000	ΔL_{wocta} 8000
ATLI 9-7	Area 1	RPM < 561	**12.7**	11	6	1	-4	-6	-10	-16	-26
		562 <RPM< 1121	**12.8**	11	7	-2	-5	-5	-9	-16	-26
		1122 <RPM< 2211	**12.3**	10	7	0	-5	-6	-8	-12	-20
		RPM > 2212	**11.4**	9	6	0	-6	-5	-6	-11	-17
	Area 2	RPM < 561	**9.7**	7	2	3	-5	-6	-9	-15	-24
		562 <RPM< 1121	**7.4**	3	3	-3	-5	-4	-7	-13	-22
		1122 <RPM< 2211	**4.4**	-2	-2	-3	-7	-4	-6	-10	-17
		RPM > 2212	**4.2**	-2	-3	-3	-7	-6	-4	-9	-15
	Area 3	RPM < 561	**6.5**	2	0	-1	-3	-4	-8	-12	-20
		562 <RPM< 1121	**6.0**	2	0	-5	-3	-5	-7	-11	-18
		1122 <RPM< 2211	**3.7**	-2	-2	-7	-8	-5	-6	-9	-14
		RPM > 2212	**3.7**	-2	-3	-6	-9	-7	-4	-7	-12

comefri

ATLI 9-8	B	R	T1	T2
Fan Max RPM [min^{-1}]	2250	2250	-	2900
Fan Max BHP	3	3	-	7.1
Fan Outlet Area O.A. [ft^2]	0.75			
Fan weight [Lb]	19.3	27.4	-	39.6
Wheel diameter [in.]	9.84			
Wheel width [in.]	7.8			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.85	0.85	-	0.85
Wheel weight [Lb]	6.2	6.2	-	6.2



ATLI 9-8 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5		8	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	630	0.02																																		
300	585	0.02	887	0.07	1099	0.12																														
400	529	0.03	841	0.07	1075	0.12	1261	0.19	1555	0.34																										
500	503	0.03	781	0.07	1025	0.13	1225	0.19	1542	0.35	1793	0.53	2007	0.73																						
600	503	0.04	734	0.08	963	0.13	1169	0.19	1506	0.35	1774	0.53	2000	0.74	2197	0.97																				
700	516	0.05	712	0.09	912	0.14	1108	0.2	1453	0.35	1736	0.54	1975	0.75	2182	0.98	2368	1.23																		
800	535	0.07	709	0.11	882	0.15	1057	0.21	1392	0.36	1683	0.54	1933	0.75	2151	0.99	2345	1.24																		
900	558	0.08	717	0.13	869	0.17	1023	0.23	1333	0.37	1622	0.55	1878	0.76	2105	0.99	2308	1.25	2492	1.52	2662	1.8														
1000	582	0.1	732	0.15	869	0.2	1006	0.25	1286	0.39	1561	0.57	1817	0.77	2049	1	2259	1.25	2450	1.52	2626	1.81	2789	2.12												
1100	607	0.13	751	0.18	878	0.23	1002	0.29	1254	0.42	1509	0.59	1756	0.79	1988	1.01	2201	1.26	2398	1.53	2579	1.82	2748	2.13												
1200	634	0.15	772	0.21	892	0.26	1006	0.32	1235	0.46	1469	0.62	1702	0.81	1927	1.03	2140	1.28	2339	1.55	2524	1.84	2698	2.14	2860	2.46										
1300	661	0.18	795	0.25	910	0.31	1017	0.37	1228	0.5	1441	0.66	1657	0.85	1871	1.06	2079	1.3	2277	1.57	2464	1.85	2640	2.16	2806	2.48										
1400	688	0.22	820	0.29	930	0.35	1032	0.42	1228	0.55	1425	0.71	1624	0.89	1825	1.1	2023	1.34	2216	1.59	2402	1.87	2579	2.18	2747	2.49										
1500	717	0.26	845	0.33	953	0.4	1050	0.47	1235	0.61	1418	0.77	1602	0.95	1789	1.15	1976	1.38	2161	1.63	2342	1.91	2517	2.2	2685	2.52	2846	2.85								
1600	747	0.3	871	0.38	976	0.46	1071	0.53	1247	0.68	1418	0.84	1589	1.02	1763	1.22	1939	1.44	2114	1.69	2288	1.95	2458	2.24	2624	2.55	2784	2.88								
1700	778	0.36	897	0.44	1000	0.52	1093	0.59	1262	0.75	1424	0.92	1584	1.1	1747	1.3	1911	1.51	2076	1.75	2241	2.01	2405	2.3	2566	2.6	2723	2.92	2876	3.26						
1800	810	0.41	924	0.5	1025	0.58	1116	0.67	1279	0.83	1434	1	1585	1.19	1738	1.38	1892	1.6	2047	1.83	2203	2.09	2359	2.37	2514	2.66	2667	2.98	2816	3.31						
2000	876	0.55	979	0.64	1077	0.73	1164	0.83	1320	1.01	1463	1.2	1601	1.39	1738	1.59	1875	1.81	2013	2.04	2152	2.28	2292	2.55	2432	2.83	2573	3.14	2713	3.46	2851	3.8				
2200	946	0.71	1037	0.8	1130	0.91	1215	1.01	1365	1.22	1501	1.42	1630	1.62	1755	1.84	1880	2.06	2004	2.29	2129	2.53	2254	2.8	2381	3.07	2508	3.36	2636	3.67	2764	4				
2300	981	0.81	1068	0.9	1157	1.01	1241	1.12	1389	1.33	1522	1.54	1647	1.76	1768	1.97	1888	2.2	2006	2.43	2125	2.68	2245	2.94	2365	3.21	2486	3.5	2608	3.81	2730	4.13	2852	4.46		
2400	1017	0.91	1099	1	1185	1.11	1267	1.23	1414	1.46	1544	1.68	1666	1.9	1784	2.12	1899	2.35	2013	2.59	2127	2.84	2241	3.1	2355	3.37	2471	3.66	2587	3.96	2703	4.28	2820	4.61		
2500	1054	1.02	1130	1.11	1214	1.23	1294	1.35	1439	1.59	1567	1.82	1687	2.05	1801	2.28	1912	2.51	2022	2.76	2132	3.01	2241	3.27	2350	3.54	2461	3.83	2571	4.13	2683	4.44	2794	4.77		
2600	1090	1.15	1163	1.23	1243	1.35	1321	1.48	1464	1.72	1591	1.97	1708	2.2	1820	2.44	1928	2.68	2034	2.93	2140	3.19	2245	3.45	2350	3.73	2455	4.02	2561	4.31	2668	4.62	2775	4.95		
2700	1127	1.28	1196	1.37	1272	1.48	1349	1.61	1489	1.87	1615	2.12	1730	2.37	1840	2.62	1945	2.87	2049	3.12	2151	3.38	2252	3.65	2353	3.93	2454	4.22	2556	4.52	2658	4.83	2760	5.15	2863	5.48
2800	1165	1.42	1229	1.51	1302	1.62	1377	1.76	1515	2.03	1639	2.29	1753	2.55	1861	2.8	1964	3.06	2065	3.32	2164	3.59	2262	3.86	2359	4.14	2457	4.43	2554	4.73	2652	5.04	2751	5.36	2849	5.7
2900	1202	1.57	1264	1.66	1333	1.78	1405	1.91	1542	2.19	1664	2.47	1777	2.73	1883	3	1984	3.27	2082	3.53	2178	3.81	2274	4.08	2368	4.37	2462	4.66	2556	4.96	2651	5.27	2745	5.6	2840	5.93
3000	1240	1.74	1298	1.82	1365	1.94	1434	2.07	1568	2.36	1690	2.65	1801	2.93	1905	3.21	2005	3.48	2101	3.76	2195	4.03	2288	4.32	2379	4.61	2471	4.9	2562	5.21	2653	5.52	2744	5.84	2835	6.18
3100	1278	1.91	1333	2	1397	2.11	1464	2.25	1595	2.55	1715	2.85	1825	3.14	1928	3.42	2026	3.71	2121	3.99	2213	4.28	2303	4.57	2392	4.86	2481	5.16	2569	5.47	2657	5.79	2746	6.11	2834	6.44
3200	1316	2.1	1369	2.18	1429	2.3	1494	2.44	1622	2.74	1741	3.05	1850	3.35	1952	3.65	2049	3.94	2142	4.23	2232	4.53	2320	4.82	2407	5.13	2494	5.43	2579	5.74	2665	6.06	2750	6.39	2836	6.73
3300	1354	2.3	1405	2.38	1462	2.49	1524	2.63	1650	2.95	1767	3.26	1875	3.58	1976	3.89	2072	4.19	2163	4.49	2252	4.79	2338	5.1	2424	5.4	2508	5.72	2591	6.03	2675	6.36	2757	6.69	2840	7.03
3400	1392	2.51	1441	2.59	1496	2.7	1555	2.84	1678	3.16	1794	3.49	1901	3.81	2001	4.13	2095	4.45	2185	4.76	2273	5.07	2358	5.38	2441	5.7	2524	6.01	2605	6.34	2686	6.66	2767	7		
3500	1430	2.74	1477	2.81	1530	2.93	1587	3.07	1706	3.39	1820	3.73	1927	4.06	2026	4.39	2119	4.72	2208	5.04	2294	5.36	2378	5.68	2460	6	2541	6.32	2620	6.65	2699	6.99				
3600	1469	2.98	1514	3.05	1564	3.16	1619	3.3	1735	3.63	1847	3.97	1952	4.32	2051	4.66	2143	5	2231	5.33	2317	5.66	2399	5.99	2480	6.32	2559	6.65	2637	6.99						
3700	1507	3.23	1551	3.3	1599	3.41	1652	3.55	1764	3.88	1875	4.23	1979	4.59	2076	4.94	2168	5.29	2255	5.63	2339	5.97	2421	6.31	2500	6.65	2578	6.99								
3800	1546	3.49	1588	3.57	1634	3.68	1685	3.81	1794	4.14	1902	4.51	2005	4.87	2102	5.24	2193	5.59	2279	5.95	2363	6.3	2443	6.64	2521	6.99										
3900	1584	3.77	1625	3.85	1670	3.95	1719	4.09	1824	4.42	1930	4.79	2032	5.17	2128	5.54	2218	5.91	2304	6.28	2386	6.64	2466	6.99												
4000	1623	4.07	1662	4.14	1705	4.25	1752	4.38	1854	4.71	1958	5.09	2059	5.48	2154	5.86	2243	6.24	2329	6.62	2410	6.99														
4100	1662	4.38	1700	4.45	1741	4.55	1787	4.69	1885	5.02	1987	5.4	2086	5.8	2180	6.19	2269	6.58	2354	6.97																
4200	1701	4.7	1737	4.77	1778	4.88	1821	5.01	1916	5.34	2016	5.72	2113	6.13	2206	6.54	2295	6.94																		
4300	1739	5.05	1775	5.11	1814	5.22	1856	5.35	1948	5.68	2045	6.07	2141	6.48	2233	6.89																				
4400	1778	5.4	1813	5.47	1851	5.57	1891	5.7	1980	6.03	2075	6.42	2169	6.84																						
4500	1817	5.78	1851	5.85	1887	5.95	1927	6.07	2013	6.4	2105	6.79																								
4600	1856	6.17	1889	6.24	1924	6.34	1962	6.46	2046	6.79																										
4700	1895	6.58	1927	6.64	1961	6.74	1998	6.87																												
4800	1934	7.01	1965	7.07																																

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 9-8	Area 1	RPM < 561	**12.6**	11	6	0	-4	-6	-10	-16	-26
		562 <RPM< 1121	**11.9**	10	6	-3	-5	-4	-8	-15	-25
		1122 <RPM< 2211	**11.0**	9	5	-2	-6	-5	-7	-12	-19
		RPM > 2212	**10.1**	8	4	-3	-6	-5	-6	-11	-17
	Area 2	RPM < 561	**10.3**	8	2	3	-5	-6	-9	-15	-24
		562 <RPM< 1121	**8.7**	6	3	-3	-5	-4	-7	-13	-23
		1122 <RPM< 2211	**5.4**	2	-2	-5	-6	-4	-7	-10	-17
		RPM > 2212	**4.6**	0	-2	-5	-7	-6	-5	-9	-15
	Area 3	RPM < 561	**6.0**	2	-2	-2	-3	-4	-8	-11	-19
		562 <RPM< 1121	**5.9**	3	-2	-6	-4	-5	-7	-10	-17
		1122 <RPM< 2211	**4.6**	1	-4	-7	-7	-4	-6	-9	-15
		RPM > 2212	**5.5**	2	-2	-6	-8	-6	-4	-7	-13

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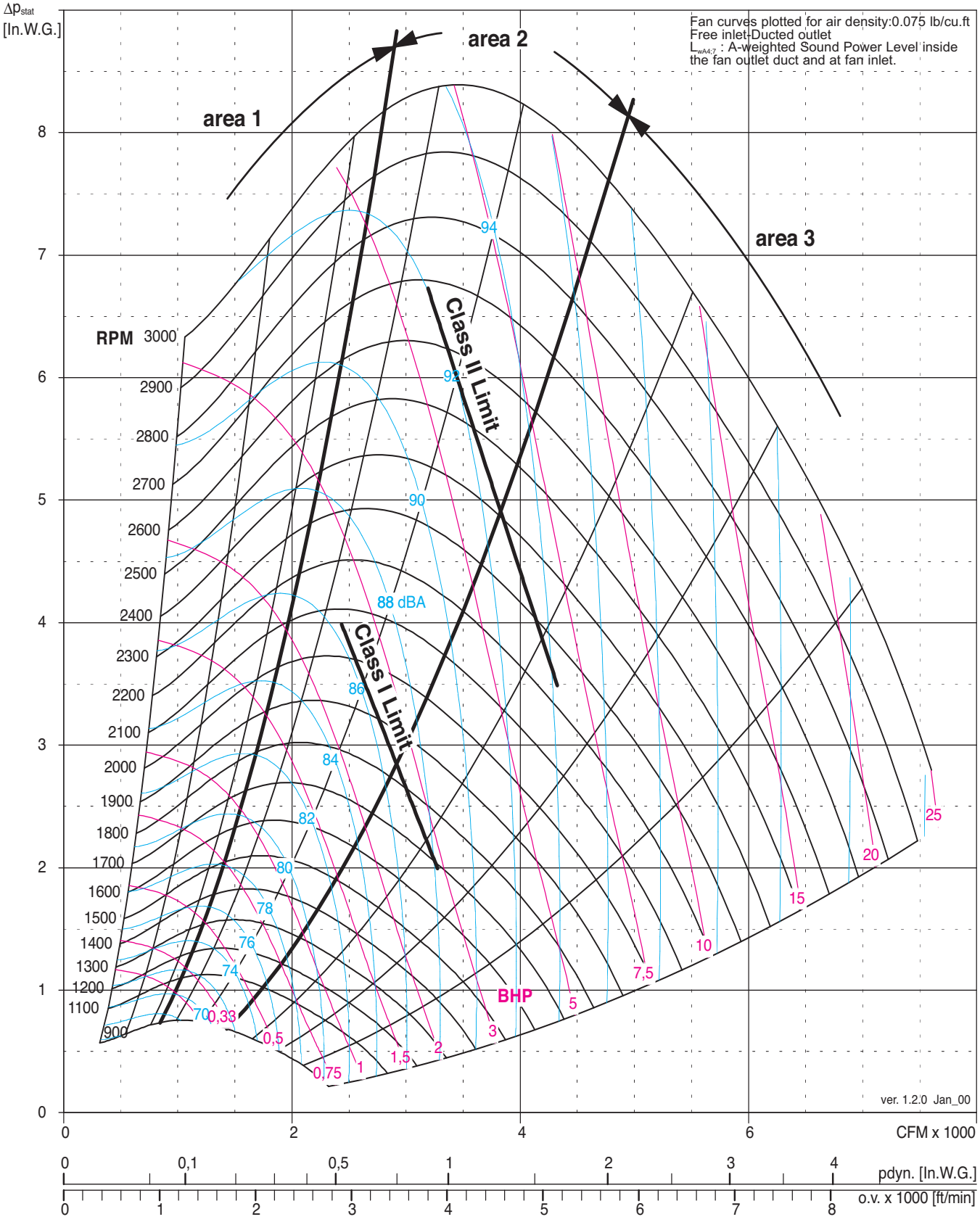
ATLI 9-9	B	R	T1	T2
Fan Max RPM [min^{-1}]	2250	2250	-	2900
Fan Max BHP	3	3	-	7.2
Fan Outlet Area O.A. [ft^2]	0.84			
Fan weight [Lb]	20.6	28.6	-	40.9
Wheel diameter [in.]	9.84			
Wheel width [in.]	8.86			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	0.93	0.93	-	0.93
Wheel weight [Lb]	6.64	6.64	-	6.64



ATLI 9-9 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300	573	0.03	843	0.07	1041	0.13	1204	0.19	1472	0.35																								
400	543	0.03	818	0.07	1026	0.13	1196	0.2	1474	0.36	1702	0.55	1901	0.76	2079	0.99																		
500	523	0.03	787	0.08	999	0.13	1175	0.2	1463	0.36	1699	0.55	1903	0.77	2085	1																		
600	518	0.04	760	0.08	968	0.14	1147	0.21	1443	0.37	1685	0.56	1895	0.78	2082	1.01																		
700	523	0.05	741	0.09	939	0.15	1116	0.21	1415	0.38	1664	0.57	1879	0.79	2070	1.03																		
800	534	0.06	733	0.1	917	0.16	1086	0.22	1384	0.39	1636	0.58	1856	0.8	2051	1.04	2229	1.3																
900	549	0.08	733	0.12	903	0.17	1063	0.24	1353	0.4	1606	0.59	1828	0.81	2027	1.05	2207	1.31	2374	1.59	2528	1.89												
1000	567	0.09	740	0.14	897	0.2	1047	0.26	1325	0.42	1575	0.61	1797	0.82	1998	1.07	2182	1.33	2351	1.61	2508	1.91	2655	2.23	2794	2.56								
1100	587	0.11	751	0.16	898	0.22	1038	0.28	1302	0.44	1545	0.63	1766	0.84	1967	1.08	2152	1.35	2323	1.63	2483	1.93	2633	2.25	2774	2.58								
1200	607	0.14	765	0.19	904	0.25	1036	0.31	1285	0.47	1519	0.65	1736	0.87	1936	1.11	2121	1.37	2294	1.65	2455	1.95	2606	2.27	2749	2.6	2885	2.95						
1300	629	0.17	782	0.22	914	0.28	1038	0.35	1275	0.5	1498	0.69	1709	0.9	1906	1.14	2090	1.4	2262	1.68	2424	1.98	2577	2.29	2722	2.63	2859	2.98						
1400	652	0.2	799	0.26	927	0.32	1045	0.39	1269	0.55	1482	0.73	1685	0.94	1878	1.17	2060	1.43	2231	1.71	2393	2.01	2546	2.33	2692	2.66	2830	3.01						
1500	676	0.23	818	0.3	942	0.37	1055	0.44	1269	0.59	1472	0.78	1667	0.98	1854	1.22	2032	1.47	2201	1.75	2362	2.05	2515	2.36	2661	2.69	2800	3.04						
1600	701	0.27	838	0.34	959	0.41	1068	0.49	1272	0.65	1466	0.83	1653	1.04	1833	1.27	2007	1.52	2173	1.8	2332	2.09	2484	2.41	2629	2.74	2768	3.09						
1800	755	0.36	881	0.45	995	0.53	1099	0.61	1289	0.77	1467	0.96	1639	1.17	1806	1.4	1968	1.65	2126	1.92	2279	2.21	2426	2.52	2569	2.85	2707	3.19	2839	3.55				
1900	783	0.42	903	0.51	1015	0.59	1116	0.67	1300	0.85	1472	1.04	1637	1.25	1798	1.47	1955	1.72	2108	1.99	2257	2.28	2401	2.59	2542	2.91	2678	3.26	2809	3.62				
2000	813	0.48	926	0.57	1035	0.66	1134	0.75	1314	0.93	1480	1.12	1640	1.33	1794	1.56	1946	1.81	2094	2.08	2238	2.36	2379	2.67	2517	2.99	2651	3.33	2781	3.69				
2200	874	0.61	975	0.71	1078	0.82	1173	0.91	1345	1.11	1502	1.31	1652	1.53	1796	1.76	1938	2.01	2076	2.28	2212	2.56	2346	2.86	2477	3.18	2605	3.52	2730	3.87	2853	4.24		
2300	905	0.69	1001	0.8	1100	0.9	1193	1.01	1362	1.21	1516	1.42	1661	1.64	1801	1.87	1938	2.13	2072	2.39	2204	2.68	2334	2.98	2461	3.3	2586	3.63	2709	3.98	2830	4.35		
2400	937	0.78	1028	0.88	1123	1	1214	1.11	1380	1.32	1530	1.53	1672	1.76	1808	2	1941	2.25	2071	2.52	2199	2.8	2325	3.1	2449	3.42	2571	3.75	2691	4.1	2809	4.46		
2500	970	0.87	1055	0.98	1147	1.1	1236	1.21	1399	1.43	1546	1.65	1685	1.89	1818	2.13	1947	2.38	2073	2.65	2197	2.94	2319	3.24	2440	3.56	2559	3.89	2676	4.23	2791	4.6		
2600	1002	0.97	1083	1.08	1171	1.2	1258	1.32	1418	1.56	1563	1.78	1699	2.02	1828	2.27	1954	2.53	2077	2.8	2197	3.09	2316	3.39	2433	3.7	2549	4.03	2663	4.38	2776	4.74	2887	5.11
2800	1069	1.19	1141	1.31	1222	1.44	1304	1.57	1458	1.82	1599	2.07	1730	2.32	1854	2.58	1974	2.84	2091	3.12	2205	3.41	2318	3.72	2429	4.03	2538	4.37	2647	4.71	2754	5.07	2860	5.44
3000	1136	1.45	1202	1.57	1275	1.71	1352	1.85	1500	2.13	1637	2.39	1764	2.66	1884	2.92	1999	3.2	2111	3.49	2220	3.78	2327	4.09	2433	4.41	2537	4.75	2641	5.09	2743	5.45	2844	5.82
3100	1170	1.59	1232	1.72	1303	1.86	1377	2	1522	2.29	1657	2.56	1782	2.84	1900	3.11	2013	3.4	2123	3.69	2230	3.99	2335	4.3	2438	4.62	2540	4.96	2641	5.3	2740	5.66	2839	6.03
3200	1204	1.74	1264	1.87	1331	2.01	1402	2.16	1544	2.46	1677	2.75	1800	3.03	1917	3.31	2029	3.6	2136	3.9	2241	4.2	2344	4.52	2445	4.84	2544	5.18	2643	5.53	2740	5.89	2837	6.26
3400	1273	2.08	1328	2.21	1389	2.35	1455	2.51	1590	2.83	1719	3.14	1839	3.44	1953	3.74	2061	4.04	2165	4.35	2267	4.66	2366	4.99	2463	5.32	2558	5.66	2652	6.01	2746	6.38	2838	6.75
3500	1307	2.26	1360	2.39	1419	2.54	1482	2.7	1613	3.03	1740	3.35	1859	3.66	1971	3.97	2078	4.28	2181	4.59	2281	4.91	2378	5.24	2473	5.58	2567	5.92	2659	6.28	2751	6.64	2841	7.02
3600	1342	2.45	1392	2.58	1449	2.74	1510	2.9	1637	3.24	1762	3.57	1879	3.89	1990	4.21	2096	4.52	2197	4.85	2296	5.17	2391	5.5	2485	5.85	2577	6.2	2668	6.55	2757	6.92		
3700	1377	2.65	1425	2.79	1479	2.94	1538	3.11	1662	3.46	1784	3.8	1900	4.13	2010	4.46	2114	4.78	2214	5.11	2311	5.44	2406	5.78	2498	6.13	2588	6.48	2677	6.85				
3800	1412	2.87	1458	3	1510	3.16	1567	3.33	1687	3.69	1807	4.04	1921	4.38	2030	4.72	2133	5.05	2232	5.39	2328	5.73	2421	6.07	2512	6.42	2601	6.78	2688	7.15				
3900	1446	3.09	1492	3.23	1542	3.39	1596	3.56	1712	3.93	1830	4.29	1943	4.65	2050	4.99	2152	5.33	2250	5.68	2345	6.02	2436	6.38	2526	6.73	2614	7.1						
4000	1481	3.33	1525	3.47	1573	3.63	1626	3.81	1738	4.18	1853	4.55	1964	4.92	2070	5.28	2172	5.63	2268	5.98	2362	6.33	2453	6.69	2541	7.05								
4100	1516	3.58	1559	3.72	1605	3.88	1656	4.06	1765	4.44	1877	4.83	1986	5.2	2091	5.57	2191	5.93	2287	6.29	2380	6.65	2470	7.02										
4200	1552	3.84	1592	3.98	1637	4.15	1686	4.33	1792	4.72	1901	5.11	2009	5.5	2112	5.88	2212	6.25	2307	6.62	2398	6.99												
4300	1587	4.12	1626	4.26	1670	4.43	1717	4.61	1819	5	1926	5.41	2032	5.81	2134	6.2	2232	6.58	2326	6.96														
4400	1622	4.4	1660	4.55	1702	4.72	1748	4.9	1847	5.3	1951	5.72	2055	6.13	2156	6.53	2253	6.92																
4500	1657	4.7	1694	4.85	1735	5.02	1779	5.21	1875	5.61	1976	6.04	2078	6.46	2178	6.87																		
4600	1692	5.02	1729	5.17	1768	5.34	1811	5.53	1903	5.94	2002	6.37	2102	6.8																				
4700	1728	5.35	1763	5.5	1801	5.67	1843	5.86	1932	6.28	2029	6.72	2126	7.16																				
4800	1763	5.69	1797	5.84	1835	6.02	1875	6.21	1962	6.63	2055	7.08																						
4900	1798	6.04	1832	6.2	1868	6.38	1907	6.57	1991	7																								
5000	1834	6.42	1866	6.58	1902	6.75	1939	6.95																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed			ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 9-9	Area 1	RPM	<	561	**13,4**	12	6	1	-4	-6	-10	-17	-27
		562	<RPM<	1121	**13,3**	12	6	-2	-5	-5	-9	-16	-26
		1122	<RPM<	2211	**11,9**	10	6	-2	-6	-5	-8	-12	-20
		RPM	>	2212	**11,7**	10	5	-2	-6	-5	-6	-11	-17
	Area 2	RPM	<	561	**10,1**	8	1	3	-5	-6	-9	-14	-24
		562	<RPM<	1121	**7,9**	5	2	-3	-5	-4	-7	-12	-22
		1122	<RPM<	2211	**5,3**	1	-1	-4	-6	-4	-7	-11	-17
		RPM	>	2212	**4,7**	0	-2	-4	-7	-6	-5	-10	-15
	Area 3	RPM	<	561	**6,2**	2	-2	-1	-3	-4	-8	-11	-19
		562	<RPM<	1121	**6,2**	3	-1	-5	-5	-4	-7	-10	-17
		1122	<RPM<	2211	**3,2**	-3	-4	-6	-7	-5	-6	-9	-14
		RPM	>	2212	**3,1**	-3	-5	-7	-8	-7	-4	-7	-12

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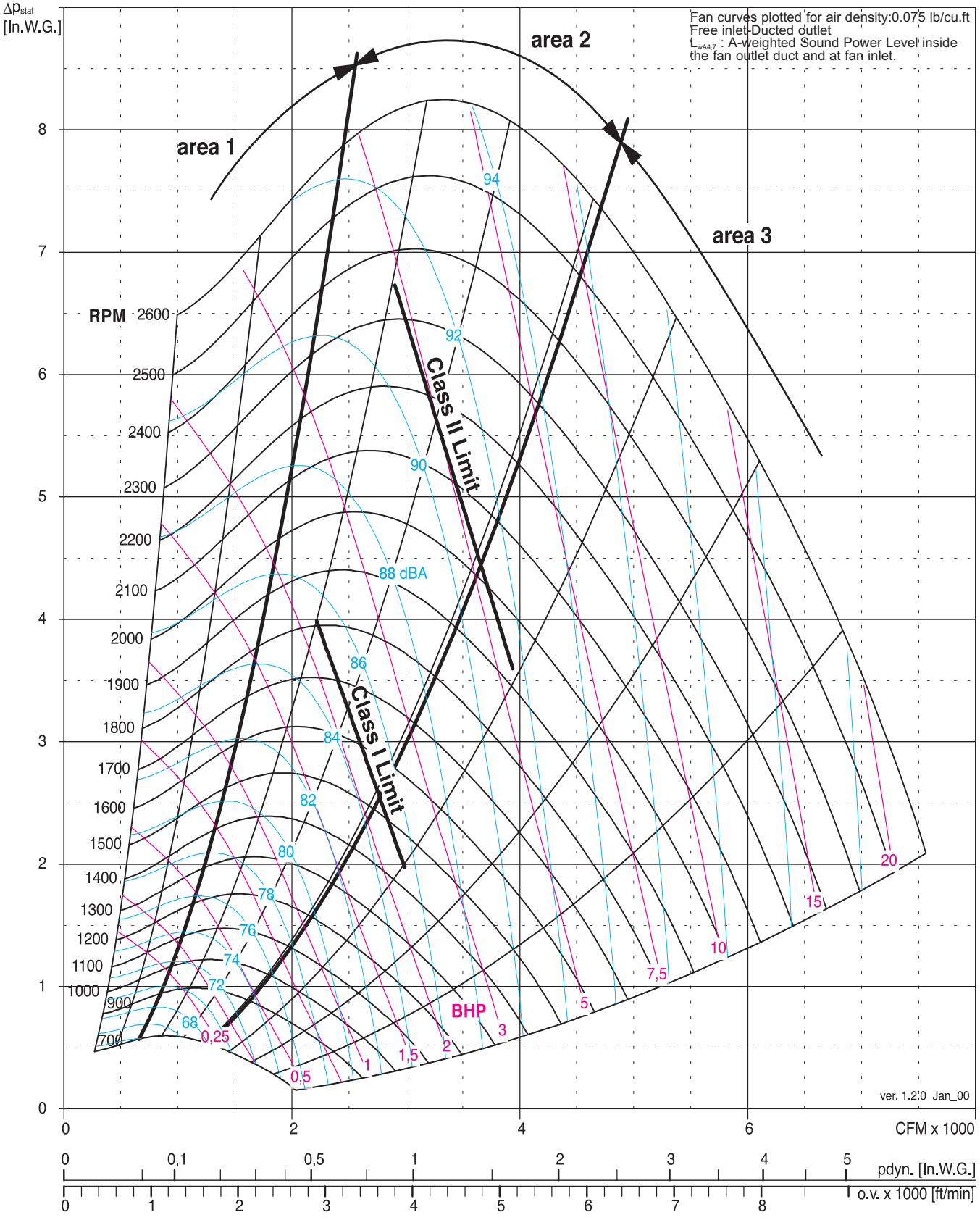
ATLI 10-7	B	R	T1	T2
Fan Max RPM [min^{-1}]	2100	2100	-	2525
Fan Max BHP	3	3	-	7.3
Fan Outlet Area O.A. [ft^2]	0.76			
Fan weight [Lb]	21.12	29.98	-	44.82
Wheel diameter [in.]	11.02			
Wheel width [in.]	6.85			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	1.14	1.14	-	1.14
Wheel weight [Lb]	6.6	6.6	-	7.74



ATLI 10-7 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	510	0.02	725	0.05																														
300	492	0,02	719	0,05	887	0,09	1025	0,13	1253	0,24																								
400	470	0.02	701	0.06	876	0.1	1020	0.14	1256	0.25	1450	0.37	1619	0.51																				
600	453	0.04	658	0.07	834	0.12	984	0.17	1233	0.28	1438	0.42	1616	0.56	1774	0.72	1918	0.89	2051	1.07														
700	458	0.05	645	0.09	812	0.13	961	0.18	1213	0.3	1422	0.44	1604	0.59	1766	0.75	1913	0.93	2048	1.11														
800	470	0.06	640	0.1	797	0.15	940	0.2	1190	0.32	1402	0.46	1587	0.62	1752	0.78	1902	0.96	2040	1.15														
900	484	0.07	642	0.12	787	0.16	923	0.22	1167	0.34	1380	0.49	1566	0.64	1734	0.82	1886	1	2027	1.2	2157	1.4	2280	1.62										
1000	501	0.09	649	0.14	784	0.19	912	0.24	1147	0.37	1357	0.52	1544	0.68	1713	0.85	1867	1.04	2010	1.24	2142	1.45	2267	1.67	2384	1.9	2496	2.13						
1100	519	0.11	660	0.16	786	0.21	906	0.27	1131	0.4	1335	0.55	1521	0.71	1690	0.89	1846	1.08	1990	1.29	2124	1.5	2250	1.72	2369	1.95	2482	2.2						
1200	539	0.13	674	0.19	793	0.24	906	0.3	1119	0.44	1317	0.59	1499	0.75	1667	0.94	1823	1.13	1968	1.34	2103	1.55	2231	1.78	2351	2.02	2466	2.26						
1400	581	0.19	706	0.25	815	0.32	917	0.38	1109	0.52	1291	0.68	1463	0.85	1625	1.04	1778	1.24	1922	1.45	2058	1.67	2186	1.91	2309	2.15	2425	2.4						
1500	603	0.22	724	0.29	829	0.36	927	0.43	1110	0.58	1284	0.74	1450	0.91	1607	1.1	1757	1.3	1900	1.51	2035	1.74	2163	1.98	2286	2.22	2403	2.48	2515	2.74				
1600	626	0.26	743	0.33	845	0.41	939	0.48	1115	0.63	1281	0.8	1440	0.97	1593	1.16	1740	1.37	1879	1.59	2013	1.81	2141	2.05	2263	2.3	2380	2.56	2492	2.83				
1800	675	0.34	783	0.43	880	0.51	968	0.59	1131	0.76	1284	0.94	1432	1.12	1574	1.32	1712	1.53	1846	1.75	1975	1.98	2099	2.23	2219	2.48	2335	2.74	2446	3.02				
1900	701	0.4	804	0.48	898	0.57	985	0.66	1143	0.83	1290	1.02	1432	1.21	1570	1.41	1703	1.62	1833	1.84	1959	2.08	2081	2.32	2199	2.58	2314	2.85	2424	3.12				
2000	727	0.45	826	0.54	918	0.64	1002	0.73	1155	0.91	1298	1.1	1435	1.3	1568	1.5	1698	1.72	1823	1.94	1946	2.18	2066	2.43	2182	2.69	2294	2.96	2404	3.24	2510	3.52		
2100	754	0.51	848	0.61	938	0.71	1020	0.8	1170	1	1308	1.19	1441	1.39	1569	1.6	1694	1.82	1817	2.05	1936	2.3	2052	2.55	2166	2.81	2277	3.08	2385	3.36	2490	3.65		
2200	781	0.58	871	0.68	958	0.78	1039	0.88	1185	1.09	1320	1.29	1449	1.5	1573	1.71	1694	1.94	1812	2.17	1928	2.42	2042	2.67	2153	2.93	2261	3.21	2367	3.49	2471	3.78		
2300	809	0.65	895	0.76	979	0.86	1058	0.97	1201	1.18	1333	1.39	1458	1.61	1578	1.83	1696	2.06	1811	2.3	1923	2.55	2034	2.8	2142	3.07	2248	3.35	2352	3.63	2454	3.93		
2400	837	0.73	919	0.84	1001	0.95	1078	1.06	1218	1.29	1347	1.51	1469	1.73	1586	1.96	1700	2.19	1812	2.44	1921	2.69	2029	2.95	2134	3.22	2238	3.5	2339	3.78	2439	4.08		
2600	895	0.91	969	1.03	1045	1.15	1119	1.27	1254	1.51	1378	1.75	1494	1.99	1606	2.23	1714	2.48	1819	2.73	1923	2.99	2025	3.26	2125	3.54	2223	3.82	2321	4.12	2416	4.42	2510	4.73
2800	953	1.12	1021	1.24	1092	1.37	1162	1.5	1292	1.76	1412	2.02	1524	2.28	1630	2.53	1733	2.8	1834	3.06	1932	3.33	2029	3.61	2124	3.9	2218	4.19	2311	4.49	2402	4.8	2492	5.12
3000	1012	1.36	1074	1.49	1140	1.63	1207	1.77	1332	2.04	1448	2.32	1556	2.6	1659	2.87	1758	3.15	1854	3.43	1948	3.71	2040	4	2131	4.3	2220	4.6	2309	4.91	2396	5.23	2482	5.55
3200	1072	1.63	1129	1.77	1191	1.91	1253	2.06	1374	2.36	1486	2.65	1591	2.95	1690	3.24	1786	3.54	1878	3.83	1968	4.13	2057	4.43	2143	4.74	2229	5.06	2314	5.37	2397	5.7	2480	6.03
3400	1133	1.93	1186	2.08	1242	2.23	1301	2.39	1417	2.71	1525	3.02	1627	3.34	1724	3.65	1816	3.96	1906	4.27	1993	4.59	2078	4.9	2161	5.22	2243	5.55	2324	5.88	2405	6.22	2484	6.56
3600	1194	2.28	1243	2.43	1296	2.59	1351	2.76	1461	3.09	1566	3.43	1666	3.76	1760	4.09	1850	4.42	1936	4.75	2021	5.08	2103	5.41	2183	5.75	2262	6.09	2340	6.43	2417	6.78	2493	7.13
3800	1255	2.66	1301	2.82	1350	2.99	1402	3.16	1507	3.51	1608	3.87	1705	4.22	1797	4.57	1885	4.92	1969	5.27	2051	5.62	2131	5.97	2209	6.32	2285	6.67	2360	7.03				
3900	1286	2.87	1330	3.04	1378	3.21	1428	3.38	1530	3.74	1630	4.1	1725	4.47	1816	4.83	1903	5.18	1986	5.54	2067	5.9	2145	6.26	2222	6.62	2298	6.98						
4000	1317	3.08	1360	3.26	1406	3.43	1454	3.61	1554	3.98	1652	4.35	1746	4.72	1836	5.09	1921	5.46	2004	5.83	2083	6.19	2161	6.56	2237	6.93	2311	7.3						
4100	1348	3.31	1389	3.49	1434	3.67	1481	3.85	1578	4.23	1674	4.61	1767	4.99	1855	5.37	1940	5.75	2021	6.12	2100	6.5	2177	6.87	2252	7.25								
4200	1379	3.55	1419	3.73	1462	3.92	1508	4.1	1602	4.49	1697	4.88	1788	5.27	1875	5.66	1959	6.04	2040	6.43	2118	6.82	2193	7.2										
4300	1410	3.8	1449	3.99	1491	4.18	1535	4.37	1627	4.76	1719	5.15	1809	5.55	1896	5.95	1979	6.35	2058	6.75	2135	7.14												
4400	1441	4.06	1479	4.25	1519	4.45	1562	4.64	1652	5.04	1743	5.45	1831	5.85	1916	6.26	1998	6.67	2077	7.08														
4500	1472	4.34	1509	4.53	1548	4.73	1590	4.93	1677	5.33	1766	5.75	1853	6.17	1937	6.59	2018	7																
4600	1503	4.62	1539	4.82	1577	5.02	1618	5.23	1703	5.64	1790	6.06	1875	6.49	1958	6.92																		
4700	1534	4.92	1569	5.13	1607	5.33	1646	5.54	1729	5.96	1814	6.39	1898	6.83	1980	7.27																		
4800	1566	5.24	1600	5.44	1636	5.65	1674	5.86	1755	6.29	1838	6.73	1921	7.18																				
4900	1597	5.56	1630	5.77	1665	5.99	1703	6.2	1781	6.64	1862	7.09																						
5000	1628	5.9	1661	6.12	1695	6.33	1731	6.55	1808	7																								
5100	1659	6.25	1691	6.47	1725	6.7	1760	6.92																										
5200	1691	6.62	1722	6.84	1755	7.07	1789	7.3																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{Woct4} 63	ΔL_{Woct4} 125	ΔL_{Woct4} 250	ΔL_{Woct4} 500	ΔL_{Woct4} 1000	ΔL_{Woct4} 2000	ΔL_{Woct4} 4000	ΔL_{Woct4} 8000
ATLI 10-7	Area 1	RPM < 507	**11.7**	10	5	-1	-5	-6	-8	-14	-25
		508 <RPM< 1014	**10.9**	9	5	-4	-6	-4	-7	-13	-24
		1015 <RPM< 2000	**9.2**	7	3	-3	-7	-5	-7	-10	-17
		RPM > 2001	**11.0**	9	5	-1	-7	-7	-6	-10	-17
	Area 2	RPM < 507	**8.2**	6	-1	0	-4	-6	-8	-13	-21
		508 <RPM< 1014	**6.2**	3	-1	-5	-4	-5	-7	-10	-18
		1015 <RPM< 2000	**4.4**	0	-3	-6	-7	-3	-7	-10	-16
		RPM > 2001	**3.9**	-1	-3	-6	-8	-6	-5	-8	-14
	Area 3	RPM < 507	**5.5**	1	-3	-2	-3	-5	-6	-10	-17
		508 <RPM< 1014	**5.0**	1	-2	-6	-5	-5	-7	-8	-14
		1015 <RPM< 2000	**5.0**	2	-4	-8	-8	-4	-6	-8	-12
		RPM > 2001	**4.8**	1	-3	-7	-8	-6	-5	-6	-11

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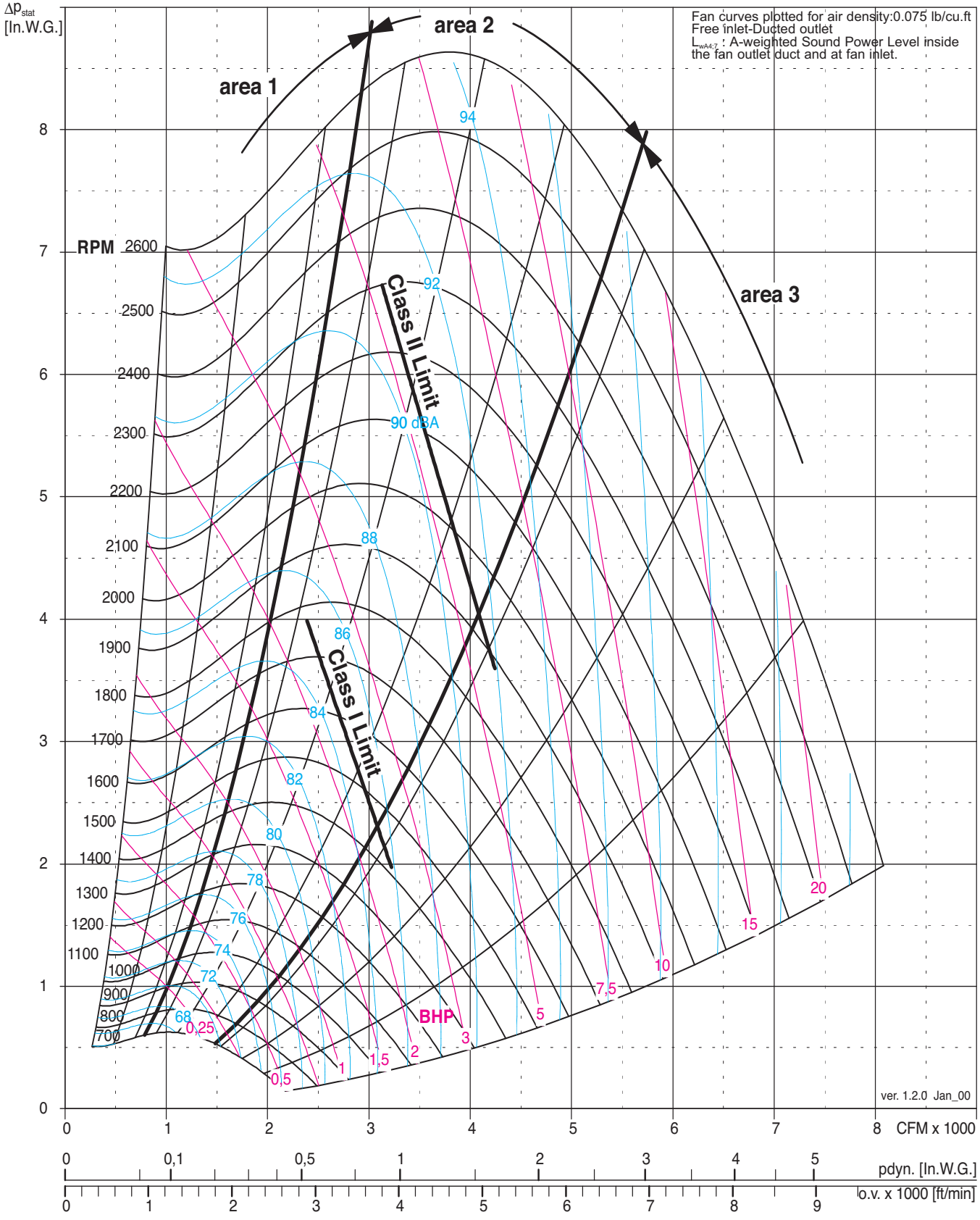
ATLI 10-8	B	R	T1	T2
Fan Max RPM [min^{-1}]	2100	2100	-	2525
Fan Max BHP	3	3	-	7.3
Fan Outlet Area O.A. [ft^2]	0.82			
Fan weight [Lb]	21.85	30.9	-	45.5
Wheel diameter [in.]	11.02			
Wheel width [in.]	7.28			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	1.16	1.16	-	1.16
Wheel weight [Lb]	6.8	6.8	-	7.94



ATLI 10-8 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5		8	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	490	0.02																																		
400	469	0.03	689	0.06	850	0.11	981	0.15																												
600			656	0.08	828	0.13	971	0.18	1201	0.31	1388	0.44	1549	0.6																						
800			630	0.1	793	0.15	937	0.21	1179	0.35	1378	0.5	1549	0.67	1700	0.84	1836	1.03	1962	1.23	2078	1.44														
1000	477	0.08	628	0.13	770	0.19	904	0.25	1144	0.39	1349	0.56	1528	0.73	1686	0.93	1829	1.13	1960	1.34	2081	1.56	2195	1.79	2302	2.03	2403	2.27	2500	2.53						
1200	513	0.12	645	0.17	768	0.23	887	0.3	1111	0.45	1313	0.62	1494	0.81	1657	1.01	1805	1.22	1941	1.45	2067	1.68	2185	1.93	2296	2.18	2402	2.44	2502	2.71						
1400	554	0.17	673	0.23	782	0.29	887	0.37	1090	0.52	1280	0.7	1457	0.89	1621	1.1	1771	1.33	1911	1.56	2041	1.81	2162	2.07	2277	2.33	2386	2.6	2489	2.89						
1600	598	0.23	707	0.3	807	0.37	901	0.45	1084	0.61	1259	0.8	1427	1	1585	1.21	1734	1.45	1874	1.69	2006	1.95	2130	2.21	2247	2.49	2359	2.77	2465	3.07						
1800	645	0.32	746	0.39	838	0.46	925	0.54	1091	0.72	1251	0.91	1407	1.12	1557	1.34	1701	1.58	1838	1.83	1969	2.1	2094	2.37	2212	2.66	2325	2.95	2433	3.26						
2000	694	0.42	787	0.49	874	0.57	955	0.66	1108	0.85	1255	1.05	1399	1.26	1540	1.49	1676	1.74	1808	2	1935	2.27	2058	2.55	2175	2.84	2288	3.15	2397	3.46	2501	3.78				
2200	745	0.54	831	0.62	913	0.71	989	0.8	1132	1	1269	1.21	1402	1.43	1533	1.67	1661	1.92	1786	2.19	1908	2.46	2026	2.75	2141	3.05	2252	3.36	2360	3.68	2464	4.01				
2400	797	0.69	877	0.77	954	0.86	1026	0.96	1161	1.17	1289	1.39	1414	1.62	1536	1.87	1655	2.13	1773	2.4	1889	2.68	2002	2.98	2113	3.29	2221	3.6	2326	3.93	2429	4.27				
2600	850	0.86	925	0.95	997	1.04	1066	1.14	1194	1.36	1315	1.6	1432	1.84	1547	2.1	1659	2.37	1770	2.65	1879	2.94	1986	3.24	2092	3.55	2196	3.87	2298	4.21	2398	4.55	2496	4.9		
2800	904	1.05	974	1.15	1042	1.25	1108	1.36	1230	1.59	1345	1.83	1456	2.09	1564	2.36	1670	2.63	1774	2.92	1877	3.22	1979	3.53	2080	3.85	2179	4.18	2277	4.52	2373	4.87	2468	5.23		
3000	959	1.28	1024	1.39	1089	1.49	1151	1.6	1268	1.84	1379	2.1	1484	2.36	1587	2.64	1687	2.93	1786	3.23	1883	3.54	1980	3.85	2075	4.18	2170	4.52	2263	4.86	2355	5.22	2446	5.59		
3200	1015	1.53	1076	1.65	1137	1.76	1196	1.88	1309	2.13	1414	2.39	1515	2.67	1613	2.96	1709	3.26	1803	3.57	1895	3.89	1987	4.21	2078	4.55	2167	4.89	2257	5.25	2345	5.61	2432	5.98	2518	6.36
3400	1071	1.82	1128	1.95	1186	2.07	1242	2.19	1350	2.45	1452	2.72	1549	3.01	1643	3.31	1735	3.62	1824	3.94	1913	4.27	2000	4.61	2086	4.95	2172	5.3	2257	5.67	2341	6.04	2425	6.42	2507	6.81
3500	1100	1.98	1155	2.11	1211	2.23	1266	2.36	1372	2.62	1472	2.9	1567	3.19	1659	3.5	1749	3.82	1837	4.14	1923	4.47	2008	4.82	2093	5.17	2176	5.52	2259	5.89	2342	6.27	2423	6.65	2504	7.04
3600	1128	2.14	1182	2.28	1236	2.41	1290	2.54	1393	2.8	1492	3.09	1585	3.39	1676	3.7	1764	4.02	1850	4.35	1934	4.69	2018	5.04	2100	5.39	2182	5.75	2263	6.13	2344	6.5	2423	6.89	2503	7.29
3700	1156	2.32	1208	2.46	1261	2.59	1314	2.72	1415	3	1512	3.28	1604	3.59	1693	3.91	1779	4.23	1864	4.57	1946	4.91	2028	5.26	2109	5.63	2189	5.99	2268	6.37	2347	6.75	2425	7.15		
3800	1185	2.5	1235	2.65	1287	2.79	1338	2.92	1438	3.2	1533	3.49	1623	3.8	1711	4.12	1795	4.46	1878	4.8	1959	5.15	2039	5.5	2119	5.87	2197	6.24	2275	6.62	2352	7.01				
3900	1213	2.69	1263	2.85	1313	2.99	1363	3.13	1460	3.41	1554	3.71	1643	4.02	1729	4.35	1812	4.69	1893	5.03	1973	5.39	2052	5.75	2129	6.12	2206	6.5	2282	6.89	2358	7.28				
4000	1242	2.9	1290	3.06	1339	3.21	1388	3.35	1483	3.63	1575	3.94	1663	4.26	1747	4.59	1829	4.93	1909	5.28	1988	5.64	2065	6.01	2141	6.39	2216	6.77	2291	7.16						
4100	1271	3.11	1317	3.28	1365	3.43	1413	3.58	1507	3.87	1597	4.17	1683	4.5	1766	4.84	1847	5.18	1926	5.54	2003	5.91	2078	6.28	2153	6.66	2227	7.05								
4200	1300	3.33	1345	3.51	1391	3.67	1438	3.81	1530	4.11	1618	4.42	1704	4.75	1786	5.09	1865	5.45	1942	5.81	2018	6.18	2093	6.56	2166	6.95	2239	7.35								
4300	1329	3.57	1373	3.75	1418	3.91	1464	4.06	1554	4.37	1641	4.68	1724	5.02	1805	5.36	1883	5.72	1960	6.09	2034	6.47	2108	6.85	2180	7.25										
4400	1357	3.81	1401	4	1445	4.17	1489	4.32	1577	4.64	1663	4.96	1745	5.29	1825	5.65	1902	6.01	1977	6.38	2051	6.77	2123	7.16												
4500	1386	4.07	1428	4.26	1472	4.44	1515	4.6	1601	4.91	1686	5.24	1767	5.58	1845	5.94	1921	6.31	1996	6.69	2068	7.08														
4600	1415	4.34	1456	4.54	1498	4.71	1541	4.88	1626	5.21	1708	5.54	1789	5.88	1866	6.24	1941	6.62	2014	7	2085	7.4														
4700	1444	4.61	1484	4.82	1526	5.01	1567	5.18	1650	5.51	1732	5.85	1810	6.2	1887	6.56	1961	6.94	2033	7.33																
4800	1473	4.91	1513	5.12	1553	5.31	1593	5.49	1675	5.82	1755	6.17	1833	6.52	1908	6.89	1981	7.28																		
4900	1503	5.21	1541	5.43	1580	5.62	1620	5.81	1700	6.15	1778	6.5	1855	6.86	1929	7.24																				
5000	1532	5.52	1569	5.75	1608	5.95	1647	6.14	1725	6.49	1802	6.85	1877	7.21																						
5100	1561	5.85	1598	6.08	1635	6.29	1673	6.48	1750	6.85	1826	7.21																								
5200	1590	6.19	1626	6.43	1663	6.65	1700	6.84	1775	7.21																										
5300	1619	6.55	1655	6.79	1691	7.01	1727	7.22																												
5400	1649	6.92	1683	7.17	1718	7.39																														
5500	1678	7.3																																		

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 10-8	Area 1	RPM < 507	**11.7**	10	5	0	-5	-6	-9	-15	-26
		508 <RPM< 1014	**10.7**	9	4	-3	-6	-4	-8	-14	-25
		1015 <RPM< 2000	**11.9**	10	6	-2	-6	-5	-8	-11	-20
		RPM > 2001	**11.9**	10	6	-1	-7	-6	-7	-10	-18
	Area 2	RPM < 507	**9.2**	7	0	1	-3	-5	-8	-14	-22
		508 <RPM< 1014	**7.2**	4	1	-4	-4	-4	-7	-11	-19
		1015 <RPM< 2000	**5.3**	2	-2	-5	-8	-4	-7	-10	-17
		RPM > 2001	**4.3**	0	-3	-6	-8	-6	-5	-8	-15
	Area 3	RPM < 507	**7.2**	4	-1	-1	-3	-5	-6	-11	-18
		508 <RPM< 1014	**7.0**	4	1	-4	-6	-5	-7	-10	-15
		1015 <RPM< 2000	**6.5**	4	-1	-6	-8	-4	-7	-9	-14
		RPM > 2001	**5.5**	2	-1	-6	-9	-6	-6	-7	-11

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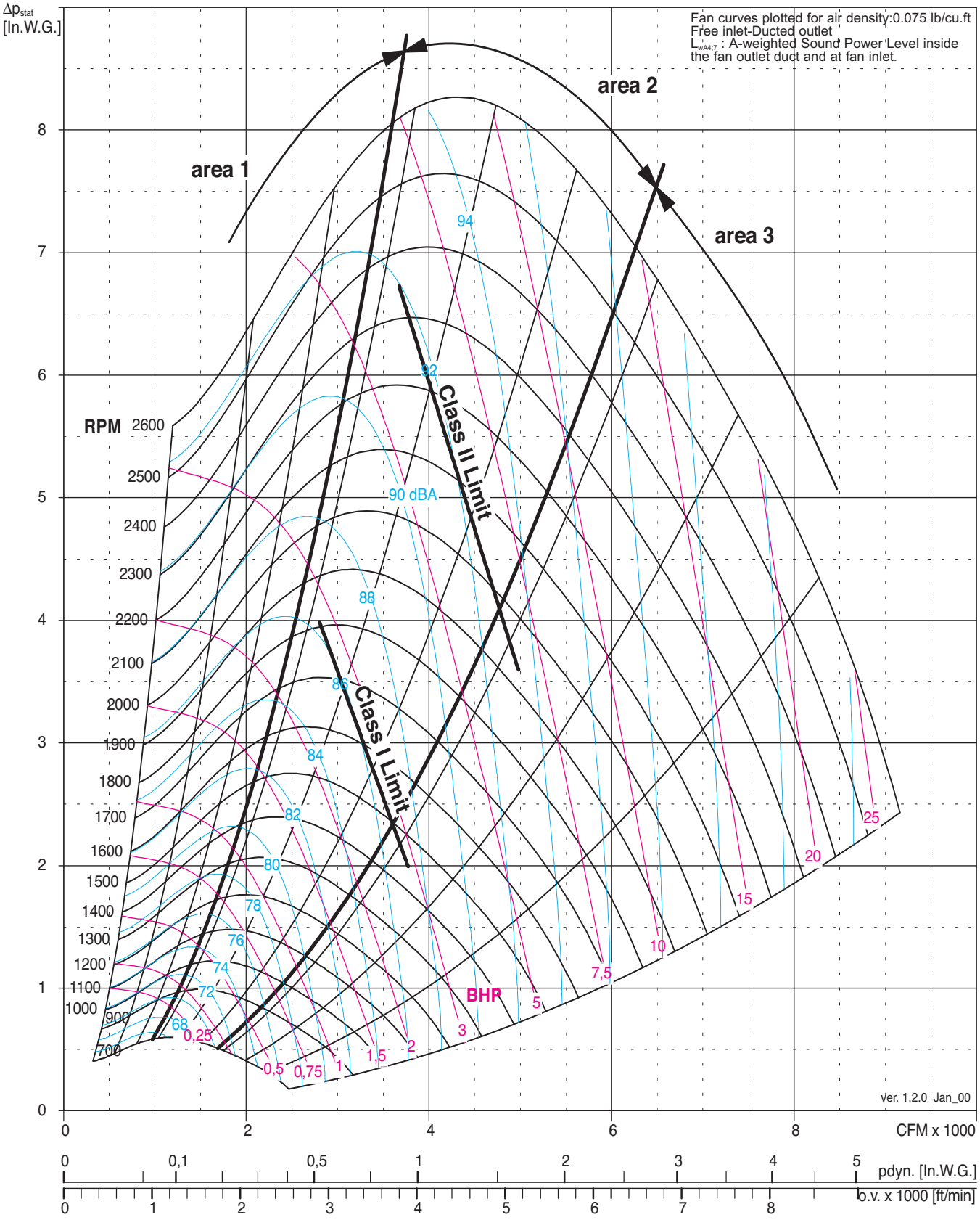
ATLI 10-9	B	R	T1	T2
Fan Max RPM [min^{-1}]	2100	2100	-	2525
Fan Max BHP	3	3	-	7.5
Fan Outlet Area O.A. [ft^2]	0.96			
Fan weight [Lb]	24	32.83	-	47.7
Wheel diameter [in.]	11.02			
Wheel width [in.]	9.17			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	1.33	1.33	-	1.33
Wheel weight [Lb]	7.7	7.7	-	8.84



ATLI 10-9 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300	542	0.03	782	0.09	956	0.16																												
500	484	0.03	748	0.09	943	0.16	1100	0.25	1354	0.45	1561	0.69																						
700	453	0.04	686	0.1	889	0.17	1059	0.26	1335	0.46	1557	0.71	1747	0.98	1915	1.28	2067	1.6																
800	453	0.05	662	0.1	857	0.17	1029	0.26	1313	0.47	1543	0.71	1739	0.99	1912	1.29	2068	1.62																
900	459	0.06	647	0.11	829	0.18	997	0.27	1285	0.47	1522	0.72	1724	1	1902	1.3	2062	1.63																
1000	468	0.07	640	0.13	808	0.19	968	0.28	1254	0.48	1495	0.73	1703	1	1886	1.31	2050	1.64																
1100	479	0.09	640	0.14	793	0.21	943	0.29	1222	0.49	1465	0.73	1677	1.01	1864	1.32	2033	1.65	2187	2.01	2329	2.39												
1200	493	0.1	644	0.16	785	0.23	925	0.31	1192	0.5	1433	0.75	1647	1.02	1838	1.33	2011	1.67	2168	2.03	2314	2.41	2450	2.81										
1300	507	0.12	651	0.18	783	0.25	913	0.33	1166	0.52	1402	0.76	1616	1.04	1809	1.34	1984	1.68	2145	2.04	2294	2.42	2433	2.82										
1400	522	0.14	660	0.2	785	0.27	906	0.35	1145	0.54	1373	0.78	1584	1.05	1778	1.36	1955	1.69	2119	2.05	2270	2.44	2411	2.84										
1500	537	0.16	671	0.23	790	0.3	904	0.38	1129	0.57	1347	0.8	1553	1.07	1746	1.37	1924	1.71	2089	2.07	2243	2.45	2386	2.86	2521	3.28								
1600	554	0.19	684	0.26	798	0.33	906	0.41	1117	0.6	1325	0.83	1525	1.1	1715	1.4	1892	1.73	2058	2.09	2213	2.47	2359	2.87	2496	3.3								
1700	571	0.22	697	0.29	807	0.37	910	0.45	1111	0.64	1308	0.87	1500	1.13	1685	1.42	1861	1.75	2026	2.11	2182	2.49	2329	2.9	2467	3.32								
1800	589	0.25	711	0.33	818	0.4	917	0.49	1108	0.68	1295	0.91	1479	1.16	1658	1.46	1831	1.78	1994	2.14	2150	2.52	2297	2.92	2437	3.34								
1900	607	0.29	726	0.36	830	0.45	926	0.53	1108	0.73	1286	0.95	1462	1.21	1635	1.5	1803	1.82	1964	2.17	2118	2.55	2265	2.95	2406	3.37								
2000	627	0.33	741	0.41	843	0.49	936	0.58	1111	0.78	1281	1	1449	1.26	1615	1.55	1778	1.86	1936	2.21	2088	2.58	2234	2.98	2374	3.4	2508	3.85						
2100	647	0.37	757	0.45	856	0.54	947	0.63	1116	0.84	1279	1.06	1440	1.32	1599	1.6	1756	1.91	1910	2.25	2059	2.62	2203	3.02	2342	3.44	2476	3.88						
2200	667	0.42	773	0.5	870	0.6	959	0.69	1123	0.9	1279	1.13	1434	1.38	1586	1.66	1738	1.97	1887	2.31	2032	2.68	2174	3.07	2311	3.48	2444	3.92						
2300	688	0.47	789	0.56	885	0.65	972	0.75	1131	0.96	1282	1.19	1430	1.45	1577	1.73	1723	2.04	1867	2.37	2008	2.73	2147	3.12	2282	3.53	2413	3.97						
2400	710	0.52	807	0.62	900	0.72	985	0.82	1141	1.03	1287	1.27	1430	1.53	1571	1.81	1711	2.11	1850	2.44	1987	2.8	2123	3.19	2255	3.59	2384	4.03	2510	4.48				
2600	755	0.65	843	0.75	931	0.85	1013	0.96	1163	1.19	1301	1.43	1435	1.69	1566	1.98	1696	2.28	1826	2.61	1954	2.96	2082	3.34	2208	3.74	2332	4.16	2454	4.61				
2700	778	0.71	861	0.82	947	0.93	1028	1.04	1175	1.28	1310	1.52	1440	1.79	1567	2.07	1693	2.38	1818	2.71	1942	3.06	2066	3.43	2188	3.83	2309	4.25	2429	4.69				
2800	801	0.79	881	0.9	964	1.01	1043	1.13	1188	1.37	1320	1.62	1447	1.89	1570	2.18	1692	2.48	1813	2.81	1933	3.16	2053	3.53	2171	3.93	2289	4.34	2406	4.78	2521	5.24		
2900	825	0.87	900	0.98	981	1.1	1059	1.22	1201	1.46	1331	1.72	1454	2	1574	2.29	1692	2.59	1809	2.92	1926	3.27	2042	3.64	2157	4.03	2272	4.45	2386	4.88	2498	5.34		
3000	849	0.95	920	1.07	999	1.19	1075	1.31	1215	1.56	1342	1.83	1463	2.11	1580	2.4	1695	2.71	1808	3.04	1921	3.39	2034	3.76	2146	4.15	2257	4.56	2368	4.99	2477	5.44		
3100	873	1.04	941	1.16	1016	1.29	1091	1.41	1229	1.67	1355	1.94	1473	2.23	1587	2.52	1699	2.84	1809	3.17	1919	3.52	2028	3.89	2137	4.28	2245	4.68	2352	5.11	2459	5.56		
3200	897	1.14	962	1.26	1035	1.39	1108	1.52	1243	1.79	1367	2.06	1483	2.35	1595	2.65	1704	2.97	1812	3.3	1918	3.65	2024	4.02	2130	4.41	2235	4.82	2339	5.24	2444	5.69		
3300	921	1.24	984	1.37	1054	1.5	1125	1.63	1258	1.91	1380	2.19	1495	2.48	1604	2.79	1711	3.11	1815	3.45	1919	3.8	2022	4.17	2125	4.56	2227	4.96	2329	5.39	2430	5.83		
3400	946	1.35	1006	1.48	1073	1.62	1142	1.75	1273	2.03	1394	2.32	1506	2.62	1614	2.93	1718	3.26	1821	3.6	1922	3.95	2022	4.32	2122	4.71	2221	5.12	2320	5.54	2419	5.98	2517	6.44
3500	971	1.46	1028	1.6	1092	1.74	1159	1.88	1289	2.16	1408	2.46	1519	2.76	1624	3.08	1727	3.41	1827	3.75	1926	4.11	2023	4.49	2121	4.87	2217	5.28	2314	5.7	2410	6.14	2506	6.6
3600	995	1.58	1050	1.73	1112	1.87	1177	2.01	1305	2.3	1422	2.6	1531	2.92	1636	3.24	1736	3.57	1834	3.92	1931	4.28	2026	4.66	2121	5.05	2215	5.45	2309	5.88	2403	6.32	2497	6.77
3700	1020	1.71	1073	1.86	1133	2	1196	2.15	1321	2.45	1437	2.76	1545	3.07	1647	3.4	1746	3.74	1842	4.09	1937	4.46	2030	4.84	2123	5.23	2215	5.64	2307	6.06	2398	6.5	2489	6.95
3800	1045	1.85	1096	2	1153	2.14	1215	2.29	1337	2.6	1451	2.92	1558	3.24	1659	3.57	1757	3.92	1851	4.27	1944	4.64	2035	5.02	2126	5.42	2216	5.83	2305	6.25	2395	6.69	2484	7.15
3900	1071	1.99	1119	2.14	1174	2.29	1234	2.45	1353	2.76	1466	3.08	1572	3.41	1672	3.75	1768	4.1	1861	4.46	1952	4.84	2042	5.22	2130	5.62	2218	6.03	2306	6.46	2393	6.9	2480	7.35
4000	1096	2.14	1143	2.29	1196	2.45	1253	2.61	1370	2.93	1482	3.26	1586	3.59	1685	3.94	1780	4.3	1871	4.66	1961	5.04	2049	5.43	2136	5.83	2222	6.24	2307	6.67	2392	7.11		
4100	1121	2.29	1166	2.45	1218	2.61	1273	2.78	1387	3.1	1497	3.44	1601	3.78	1698	4.13	1792	4.5	1882	4.87	1970	5.25	2057	5.64	2142	6.04	2226	6.46	2310	6.89	2393	7.33		
4200	1146	2.46	1190	2.62	1239	2.79	1293	2.95	1405	3.28	1513	3.63	1615	3.98	1712	4.34	1804	4.7	1894	5.08	1980	5.47	2065	5.86	2149	6.27	2232	6.69	2314	7.12				
4300	1172	2.63	1214	2.8	1262	2.97	1314	3.13	1422	3.48	1529	3.82	1630	4.18	1726	4.55	1817	4.92	1905	5.3	1991	5.69	2075	6.09	2157	6.51	2238	6.93	2319	7.37				
4400	1197	2.81	1238	2.98	1284	3.15	1334	3.33	1440	3.67	1546	4.03	1646	4.39	1740	4.76	1831	5.14	1918	5.53	2002	5.93	2085	6.33	2166	6.75	2246	7.18						
4500	1223	2.99	1262	3.17	1307	3.35	1355	3.52	1459	3.88	1562	4.24	1661	4.61	1755	4.99	1844	5.38	1930	5.77	2014	6.17	2095	6.58	2175	7.01	2254	7.44						
4600	1248	3.19	1287	3.37	1330	3.55	1377	3.73	1477	4.1	1579	4.46	1677	4.84	1769	5.23	1858	5.62	1943	6.02	2026	6.43	2106	6.84	2185	7.27								
4700	1274	3.39	1311	3.58	1353	3.77	1398	3.95	1496	4.32	1596	4.7	1692	5.08	1784	5.47	1872	5.87	1957	6.27	2038	6.69	2118	7.11										
4800	1299	3.61	1336	3.8	1376	3.99	1420	4.17	1515	4.55	1613	4.93	1709	5.33	1800	5.72	1887	6.13	1970	6.54	2051	6.96	2129	7.39										
4900	1325	3.83	1360	4.02	1400	4.22	1442	4.41	1535	4.79	1631	5.18	1725	5.58	1815	5.99	1901	6.4	1984	6.81	2064	7.24												
5000	1351	4.06	1385	4.26	1423	4.46	1465	4.65	1555	5.04	1649	5.44	1741	5.85	1831	6.26	1916	6.67	1998	7.1														
5400	1454	5.07	1485	5.29	1519	5.51	1556	5.72	1637	6.14	1723	6.57	1810	7	1895	7.44																		
5800	1557	6.25	1586	6.49	1617	6.72	1650	6.95	1722	7.4																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{wct4} 63	ΔL_{wct4} 125	ΔL_{wct4} 250	ΔL_{wct4} 500	ΔL_{wct4} 1000	ΔL_{wct4} 2000	ΔL_{wct4} 4000	ΔL_{wct4} 8000
ATLI 10-9	Area 1	RPM < 507	**13.3**	12	6	0	-4	-6	-10	-16	-27
		508 <RPM< 1014	**13.2**	12	6	-3	-5	-5	-9	-15	-27
		1015 <RPM< 2000	**9.3**	7	3	-1	-6	-5	-9	-12	-20
		RPM > 2001	**9.0**	7	2	-2	-6	-6	-7	-11	-18
	Area 2	RPM < 507	**10.2**	8	2	2	-3	-5	-9	-14	-23
		508 <RPM< 1014	**8.1**	5	2	-3	-3	-4	-8	-10	-20
		1015 <RPM< 2000	**3.9**	-1	-4	-5	-6	-4	-8	-9	-16
		RPM > 2001	**3.5**	-1	-5	-6	-7	-6	-6	-8	-14
	Area 3	RPM < 507	**5.6**	1	-3	-1	-3	-5	-7	-11	-19
		508 <RPM< 1014	**5.2**	1	-2	-5	-4	-4	-8	-9	-16
		1015 <RPM< 2000	**3.0**	-3	-5	-7	-8	-4	-6	-9	-13
		RPM > 2001	**2.9**	-3	-6	-7	-8	-6	-5	-7	-11

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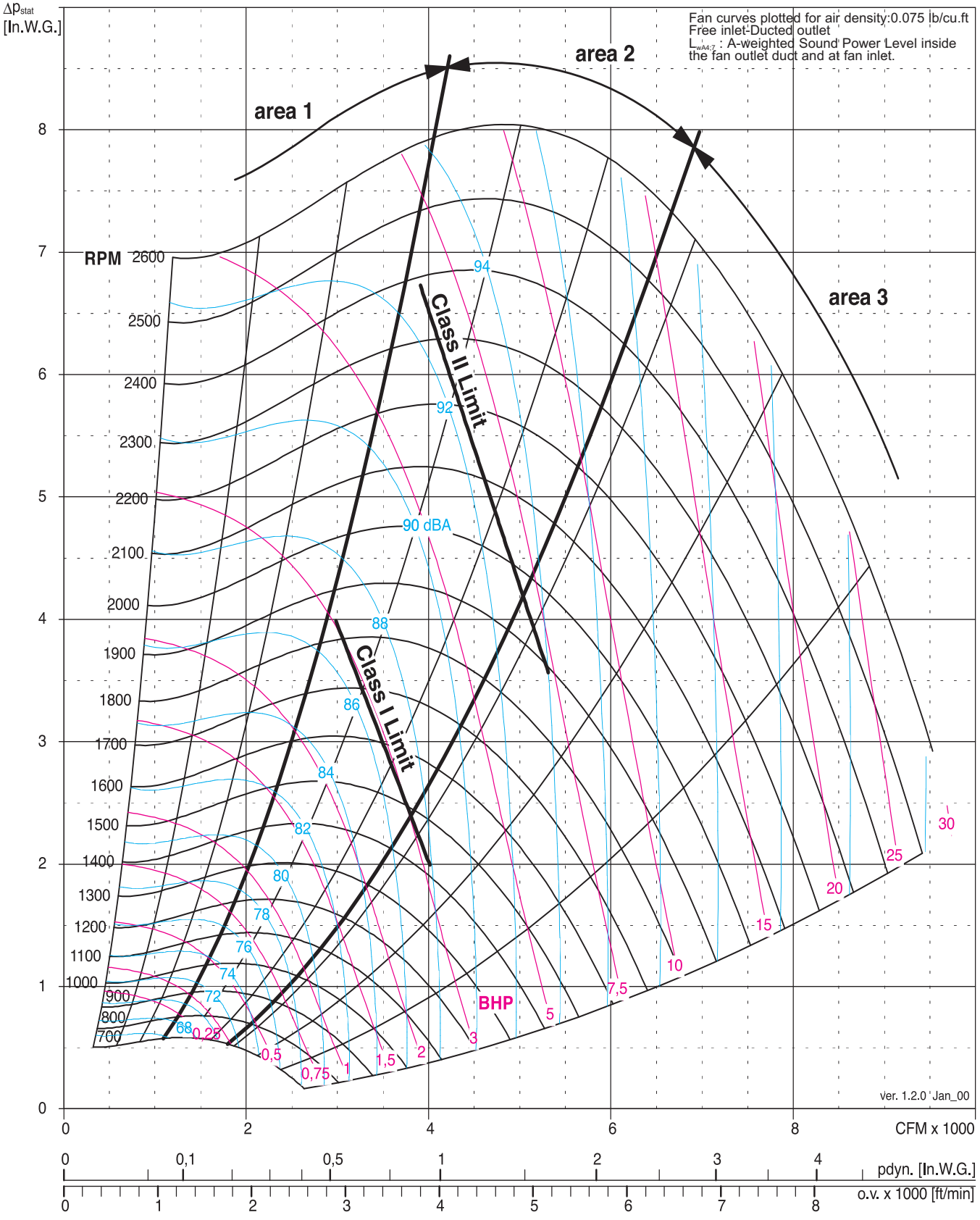
ATLI 10-10	B	R	T1	T2
Fan Max RPM [min^{-1}]	2100	2100	-	2525
Fan Max BHP	3	5	-	7.5
Fan Outlet Area O.A. [ft^2]	1.03			
Fan weight [Lb]	24.7	33.55	-	48.4
Wheel diameter [in.]	11.02			
Wheel width [in.]	9.49			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	1.35	1.35	-	1.35
Wheel weight [Lb]	7.85	7.85	-	9



ATLI 10-10 B / R / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300	493	0.03																														
500	478	0.04	693	0.1	854	0.17	986	0.27	1206	0.49																						
700	462	0.04	677	0.1	843	0.18	981	0.27	1207	0.49	1395	0.75	1558	1.05	1705	1.37																
900	459	0.06	660	0.12	825	0.2	966	0.29	1198	0.51	1391	0.77	1559	1.06	1709	1.39	1845	1.74	1972	2.12	2090	2.52										
1000	462	0.07	654	0.13	816	0.21	957	0.3	1191	0.52	1386	0.78	1556	1.07	1707	1.4	1845	1.75	1973	2.13	2092	2.54										
1200	477	0.1	648	0.16	802	0.23	939	0.32	1174	0.54	1372	0.8	1545	1.1	1699	1.43	1840	1.78	1970	2.16	2091	2.57	2205	2.99	2313	3.44	2416	3.91	2514	4.4		
1400	500	0.13	653	0.19	794	0.27	925	0.36	1156	0.58	1354	0.84	1529	1.13	1686	1.46	1829	1.82	1961	2.2	2085	2.6	2201	3.03	2310	3.48	2415	3.95	2514	4.45		
1500	514	0.16	659	0.22	794	0.29	920	0.38	1147	0.6	1345	0.86	1520	1.15	1678	1.48	1822	1.84	1955	2.22	2079	2.63	2196	3.06	2307	3.51	2412	3.98	2512	4.47		
1700	545	0.21	675	0.28	799	0.35	917	0.44	1134	0.66	1327	0.91	1502	1.21	1660	1.53	1805	1.89	1940	2.27	2066	2.68	2184	3.11	2296	3.56	2403	4.03	2505	4.53		
1800	562	0.24	686	0.31	804	0.39	918	0.48	1129	0.69	1320	0.95	1493	1.24	1651	1.57	1796	1.92	1931	2.3	2058	2.71	2177	3.14	2290	3.59	2397	4.07	2499	4.56		
2000	599	0.31	710	0.39	819	0.47	924	0.56	1123	0.77	1307	1.02	1476	1.32	1633	1.64	1778	2	1913	2.38	2041	2.78	2161	3.21	2274	3.67	2383	4.14	2486	4.63		
2200	637	0.4	739	0.48	839	0.57	937	0.66	1124	0.87	1299	1.12	1463	1.41	1617	1.74	1760	2.09	1895	2.47	2022	2.87	2143	3.3	2257	3.76	2366	4.23	2470	4.72		
2400	678	0.5	771	0.59	863	0.68	954	0.78	1130	0.99	1296	1.24	1454	1.53	1603	1.85	1744	2.2	1878	2.58	2004	2.98	2124	3.41	2239	3.86	2348	4.34	2453	4.83		
2500	699	0.55	787	0.65	877	0.75	964	0.84	1135	1.06	1297	1.31	1452	1.6	1598	1.92	1738	2.27	1870	2.64	1995	3.05	2115	3.48	2229	3.93	2339	4.4	2444	4.89		
2600	720	0.61	805	0.72	891	0.81	976	0.91	1141	1.13	1299	1.39	1450	1.67	1594	1.99	1731	2.34	1862	2.71	1987	3.12	2106	3.54	2220	3.99	2330	4.47	2434	4.96		
2800	763	0.74	841	0.86	921	0.97	1001	1.07	1156	1.3	1306	1.55	1450	1.84	1589	2.15	1722	2.5	1850	2.87	1972	3.27	2090	3.7	2203	4.15	2312	4.62	2416	5.11	2517	5.62
3000	807	0.9	880	1.02	954	1.14	1028	1.25	1175	1.49	1317	1.74	1455	2.03	1588	2.34	1717	2.69	1841	3.06	1961	3.46	2076	3.88	2187	4.33	2295	4.8	2399	5.29	2499	5.8
3100	830	0.98	899	1.11	971	1.23	1043	1.35	1185	1.59	1324	1.85	1459	2.13	1589	2.45	1715	2.79	1838	3.16	1956	3.56	2070	3.98	2180	4.43	2287	4.9	2390	5.38	2490	5.89
3200	852	1.07	919	1.2	989	1.33	1058	1.45	1197	1.7	1332	1.96	1463	2.25	1591	2.56	1715	2.91	1835	3.28	1952	3.67	2065	4.09	2174	4.54	2280	5	2382	5.49	2482	6
3300	875	1.17	940	1.3	1007	1.43	1074	1.56	1209	1.81	1341	2.08	1469	2.37	1594	2.68	1716	3.03	1834	3.4	1949	3.79	2060	4.21	2168	4.65	2273	5.12	2375	5.6	2474	6.11
3400	897	1.27	960	1.41	1025	1.54	1091	1.67	1222	1.93	1350	2.2	1476	2.49	1598	2.81	1717	3.15	1833	3.52	1947	3.92	2057	4.34	2163	4.78	2267	5.24	2368	5.73	2466	6.23
3500	920	1.37	981	1.52	1044	1.66	1107	1.8	1235	2.06	1360	2.34	1483	2.63	1603	2.95	1720	3.29	1834	3.66	1945	4.05	2054	4.47	2159	4.91	2262	5.37	2362	5.86	2460	6.36
3600	943	1.49	1002	1.63	1063	1.78	1125	1.92	1249	2.2	1371	2.47	1491	2.77	1608	3.09	1723	3.43	1835	3.8	1945	4.19	2052	4.61	2156	5.05	2257	5.51	2357	6	2453	6.5
3700	966	1.6	1023	1.76	1082	1.91	1142	2.05	1263	2.34	1383	2.62	1500	2.92	1615	3.24	1727	3.59	1837	3.95	1945	4.35	2050	4.76	2153	5.2	2254	5.66	2352	6.14	2447	6.65
3800	990	1.73	1045	1.89	1102	2.04	1160	2.19	1278	2.48	1395	2.77	1509	3.08	1622	3.4	1732	3.75	1840	4.11	1946	4.51	2050	4.92	2151	5.36	2251	5.82	2348	6.3	2442	6.8
3900	1013	1.86	1066	2.02	1122	2.18	1179	2.34	1293	2.64	1407	2.93	1519	3.24	1630	3.57	1738	3.91	1844	4.28	1948	4.68	2050	5.09	2150	5.53	2248	5.99	2344	6.47	2438	6.97
4000	1036	2	1088	2.16	1142	2.33	1197	2.49	1309	2.8	1420	3.1	1530	3.41	1638	3.74	1744	4.09	1849	4.46	1951	4.85	2051	5.27	2150	5.7	2247	6.16	2341	6.64	2434	7.14
4100	1060	2.14	1110	2.31	1163	2.48	1216	2.65	1325	2.97	1434	3.28	1541	3.59	1647	3.93	1751	4.28	1854	4.65	1954	5.04	2053	5.45	2150	5.89	2246	6.35	2339	6.83	2431	7.32
4200	1083	2.3	1132	2.47	1183	2.64	1236	2.81	1342	3.14	1448	3.46	1553	3.78	1657	4.12	1759	4.47	1860	4.84	1959	5.24	2056	5.65	2152	6.09	2246	6.54	2338	7.02		
4300	1107	2.46	1154	2.63	1204	2.81	1255	2.99	1359	3.32	1463	3.65	1566	3.98	1667	4.32	1768	4.67	1866	5.05	1964	5.44	2059	5.86	2154	6.29	2246	6.75	2337	7.23		
4400	1130	2.62	1177	2.8	1225	2.99	1275	3.17	1376	3.51	1477	3.85	1578	4.18	1678	4.53	1777	4.89	1874	5.26	1969	5.66	2063	6.07	2156	6.51	2248	6.96	2337	7.44		
4500	1154	2.8	1199	2.98	1247	3.17	1295	3.35	1393	3.71	1493	4.05	1592	4.4	1690	4.74	1786	5.11	1882	5.49	1976	5.88	2068	6.3	2160	6.73	2250	7.19				
4600	1177	2.98	1222	3.17	1268	3.36	1315	3.55	1411	3.91	1509	4.27	1605	4.62	1701	4.97	1796	5.34	1890	5.72	1982	6.12	2074	6.53	2164	6.97	2252	7.43				
4700	1201	3.17	1245	3.36	1289	3.56	1335	3.75	1430	4.13	1525	4.49	1620	4.85	1714	5.21	1807	5.58	1899	5.96	1990	6.36	2080	6.78	2168	7.22						
4800	1225	3.37	1267	3.56	1311	3.76	1356	3.96	1448	4.35	1541	4.72	1634	5.08	1726	5.45	1818	5.82	1908	6.21	1998	6.61	2086	7.04	2173	7.47						
4900	1249	3.58	1290	3.77	1333	3.98	1377	4.18	1467	4.58	1558	4.96	1649	5.33	1740	5.7	1830	6.08	1918	6.47	2006	6.88	2093	7.3								
5000	1273	3.79	1313	3.99	1355	4.2	1398	4.41	1486	4.81	1575	5.2	1664	5.58	1753	5.96	1842	6.35	1929	6.74	2016	7.15										
5100	1296	4.01	1336	4.22	1377	4.43	1419	4.64	1505	5.06	1592	5.46	1680	5.85	1767	6.23	1854	6.63	1940	7.03	2025	7.44										
5300	1344	4.49	1382	4.7	1421	4.92	1462	5.14	1544	5.57	1628	5.99	1712	6.4	1796	6.8	1880	7.21														
5500	1392	5	1429	5.22	1466	5.45	1505	5.67	1584	6.13	1664	6.57	1745	6.99	1827	7.41																
5700	1440	5.55	1475	5.78	1511	6.01	1548	6.25	1624	6.72	1702	7.17																				
5900	1489	6.14	1522	6.37	1557	6.61	1592	6.86	1665	7.35																						
6000	1513	6.45	1546	6.68	1580	6.93	1615	7.18																								
6100	1537	6.77	1569	7.01	1603	7.26	1637	7.51																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 10-10	Area 1	RPM < 507	**13.4**	12	6	0	-3	-5	-10	-16	-26
		508 <RPM< 1014	**12.6**	11	6	-3	-3	-4	-9	-15	-26
		1015 <RPM< 2000	**13.3**	12	6	-1	-6	-4	-8	-12	-20
		RPM > 2001	**12.9**	11	7	0	-6	-6	-7	-11	-18
	Area 2	RPM < 507	**9.2**	7	0	1	-3	-5	-9	-14	-23
		508 <RPM< 1014	**7.7**	5	1	-4	-3	-4	-8	-12	-21
		1015 <RPM< 2000	**5.1**	1	-2	-4	-6	-4	-7	-10	-17
		RPM > 2001	**4.8**	0	-2	-4	-6	-6	-5	-8	-15
	Area 3	RPM < 507	**6.1**	2	-2	-1	-3	-5	-7	-11	-19
		508 <RPM< 1014	**6.2**	3	-1	-5	-4	-4	-8	-9	-17
		1015 <RPM< 2000	**4.6**	1	-4	-6	-7	-4	-7	-9	-14
		RPM > 2001	**4.7**	1	-3	-6	-8	-6	-6	-7	-11

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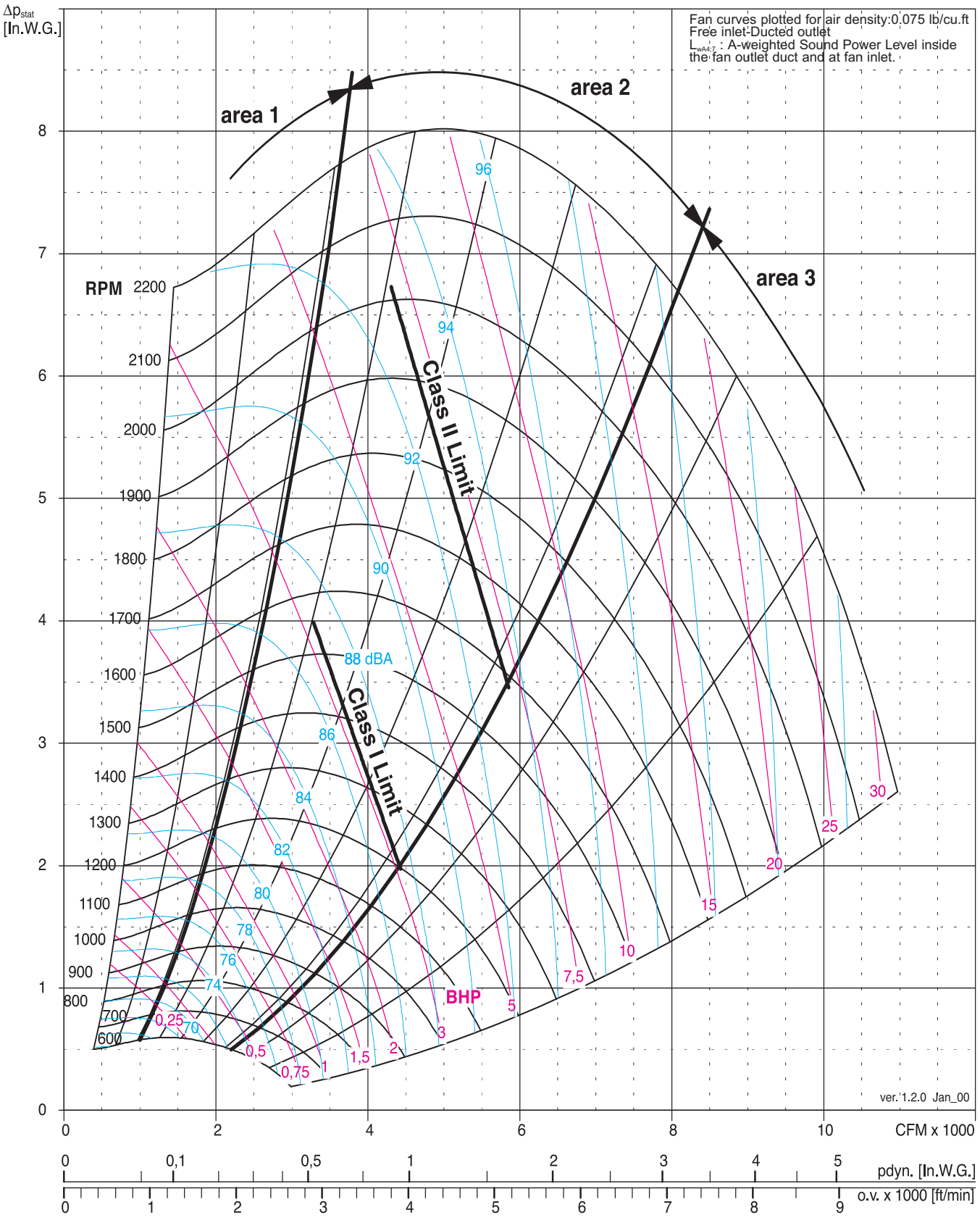
ATLI 12-9	B	R	T1	T2
Fan Max RPM [min^{-1}]	1900	1900	-	2115
Fan Max BHP	4	5	-	7.5
Fan Outlet Area O.A. [ft^2]	1.14			
Fan weight [Lb]	34.9	45.6	-	62.85
Wheel diameter [in.]	12.8			
Wheel width [in.]	8.9			
Wheel No. Blades	48			
Wheel Moment of Inertia [Lb ft^2]	2.97	2.97	-	2.97
Wheel weight [Lb]	12	12	-	12



ATLI 12-9 B / R / T2

	Δp_{stat} [In.W.G]																													
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600			587	0.08	729	0.14	847	0.2	1041	0.34	1202	0.5	1343	0.67																	
1000			555	0.12	695	0.18	816	0.25	1019	0.41	1189	0.6	1336	0.79	1468	1.01	1589	1.24	1700	1.48	1803	1.73	1901	1.99								
1200			550	0.15	681	0.21	799	0.29	1002	0.46	1173	0.65	1323	0.86	1458	1.09	1580	1.32	1694	1.58	1799	1.84	1899	2.11								
1400	412	0.11	551	0.18	674	0.25	786	0.33	984	0.51	1155	0.71	1306	0.93	1443	1.17	1567	1.42	1682	1.68	1790	1.95	1891	2.24								
1500	420	0.13	554	0.2	673	0.28	781	0.36	976	0.54	1146	0.75	1297	0.97	1434	1.21	1559	1.46	1675	1.73	1783	2.01	1885	2.3	1981	2.6	2073	2.92			
1600	429	0.14	559	0.22	673	0.3	779	0.39	969	0.57	1137	0.78	1288	1.01	1425	1.26	1551	1.51	1667	1.79	1776	2.07	1878	2.37	1975	2.68	2067	2.99			
1700	438	0.16	564	0.24	675	0.32	777	0.41	963	0.61	1129	0.82	1279	1.05	1416	1.3	1542	1.57	1659	1.84	1768	2.13	1871	2.44	1969	2.75	2061	3.07			
1800	448	0.18	570	0.26	678	0.35	777	0.45	958	0.64	1122	0.86	1271	1.1	1407	1.35	1533	1.62	1650	1.9	1760	2.2	1863	2.51	1961	2.82	2054	3.15			
1900	459	0.21	577	0.29	681	0.38	778	0.48	955	0.68	1116	0.91	1263	1.15	1398	1.41	1524	1.68	1641	1.97	1751	2.27	1855	2.58	1953	2.9	2047	3.23			
2000	471	0.23	584	0.32	686	0.41	780	0.51	953	0.73	1110	0.95	1255	1.2	1390	1.46	1515	1.74	1632	2.03	1742	2.34	1846	2.65	1945	2.98	2039	3.32			
2100	483	0.26	592	0.35	692	0.45	783	0.55	952	0.77	1106	1	1249	1.25	1382	1.52	1506	1.8	1623	2.1	1733	2.41	1837	2.73	1936	3.06	2030	3.4			
2200	496	0.29	601	0.38	698	0.48	787	0.59	952	0.82	1103	1.06	1243	1.31	1375	1.58	1498	1.87	1614	2.17	1724	2.48	1828	2.81	1927	3.15	2021	3.49	2112	3.85	
2300	509	0.33	610	0.42	704	0.52	792	0.63	952	0.87	1100	1.11	1238	1.37	1368	1.65	1490	1.94	1606	2.24	1715	2.56	1819	2.89	1918	3.23	2012	3.59	2103	3.95	
2400	523	0.37	619	0.46	712	0.56	797	0.68	954	0.92	1099	1.17	1235	1.44	1362	1.72	1483	2.01	1598	2.32	1706	2.64	1810	2.98	1908	3.33	2003	3.68	2094	4.05	
2600	553	0.45	640	0.54	727	0.66	810	0.78	960	1.03	1099	1.29	1230	1.57	1353	1.87	1471	2.17	1583	2.49	1690	2.82	1793	3.16	1891	3.52	1985	3.89	2076	4.26	
2700	568	0.5	651	0.59	736	0.71	816	0.83	964	1.09	1101	1.36	1229	1.65	1350	1.94	1466	2.26	1577	2.58	1683	2.91	1785	3.26	1882	3.62	1976	3.99	2067	4.37	
2800	584	0.55	662	0.64	745	0.76	824	0.88	969	1.15	1103	1.43	1228	1.72	1348	2.03	1462	2.34	1572	2.67	1677	3.01	1777	3.37	1874	3.73	1968	4.1	2058	4.49	
2900	599	0.61	674	0.7	754	0.82	832	0.94	974	1.22	1105	1.51	1229	1.8	1346	2.11	1459	2.43	1567	2.77	1671	3.11	1771	3.47	1867	3.84	1960	4.22	2049	4.61	
3000	615	0.67	687	0.76	764	0.88	840	1.01	980	1.29	1109	1.58	1230	1.89	1346	2.2	1456	2.53	1563	2.87	1665	3.22	1764	3.58	1860	3.96	1952	4.34	2041	4.74	
3100	632	0.73	700	0.83	775	0.94	848	1.07	986	1.36	1113	1.66	1232	1.97	1346	2.3	1455	2.63	1560	2.97	1661	3.33	1759	3.7	1853	4.08	1945	4.46	2033	4.86	
3200	648	0.8	713	0.89	785	1.01	857	1.14	992	1.44	1117	1.75	1235	2.06	1346	2.39	1454	2.73	1557	3.08	1657	3.45	1754	3.82	1847	4.2	1938	4.59	2026	5	2111	5.41
3300	665	0.87	727	0.97	796	1.08	866	1.22	999	1.52	1122	1.83	1238	2.16	1348	2.49	1453	2.84	1555	3.2	1654	3.56	1749	3.94	1842	4.33	1932	4.73	2019	5.14	2104	5.56
3400	682	0.94	741	1.04	808	1.16	876	1.3	1007	1.6	1128	1.92	1241	2.26	1350	2.6	1454	2.95	1554	3.31	1651	3.69	1746	4.07	1837	4.46	1926	4.87	2013	5.28	2097	5.7
3500	699	1.02	756	1.12	820	1.24	886	1.38	1014	1.69	1134	2.02	1246	2.36	1352	2.71	1455	3.07	1554	3.44	1650	3.81	1743	4.2	1833	4.6	1921	5.01	2007	5.43	2091	5.86
3600	716	1.11	770	1.21	832	1.33	897	1.47	1022	1.78	1140	2.12	1250	2.46	1355	2.82	1456	3.19	1554	3.56	1649	3.95	1740	4.34	1830	4.74	1917	5.16	2002	5.58	2085	6.01
3800	750	1.29	800	1.4	858	1.52	918	1.66	1039	1.98	1153	2.32	1261	2.69	1363	3.06	1461	3.44	1556	3.83	1648	4.22	1738	4.63	1825	5.05	1910	5.47	1993	5.9	2074	6.35
3900	768	1.39	816	1.5	871	1.62	930	1.76	1048	2.08	1161	2.43	1267	2.8	1367	3.18	1464	3.57	1558	3.97	1649	4.37	1737	4.78	1823	5.2	1907	5.63	1990	6.07	2070	6.52
4000	785	1.49	832	1.61	885	1.73	942	1.87	1057	2.19	1168	2.55	1273	2.93	1372	3.31	1468	3.71	1560	4.11	1650	4.52	1737	4.94	1822	5.37	1906	5.8	1987	6.25	2066	6.7
4200	820	1.72	864	1.83	913	1.96	966	2.1	1077	2.43	1184	2.79	1286	3.18	1383	3.58	1476	3.99	1566	4.41	1654	4.83	1739	5.27	1822	5.71	1903	6.15	1983	6.61	2061	7.07
4400	855	1.96	896	2.08	942	2.21	992	2.35	1097	2.68	1201	3.06	1300	3.46	1395	3.87	1486	4.3	1574	4.73	1660	5.17	1743	5.61	1824	6.07	1903	6.53	1981	7	2057	7.47
4600	891	2.23	929	2.36	972	2.49	1019	2.63	1119	2.97	1219	3.35	1316	3.76	1409	4.18	1498	4.62	1584	5.07	1667	5.52	1748	5.98	1827	6.45	1905	6.92	1981	7.4		
4700	909	2.37	946	2.5	987	2.64	1033	2.78	1130	3.12	1229	3.5	1324	3.91	1416	4.34	1504	4.79	1589	5.24	1671	5.7	1752	6.17	1830	6.64	1907	7.13			
4800	927	2.52	963	2.66	1003	2.79	1047	2.94	1142	3.27	1238	3.66	1332	4.07	1423	4.51	1510	4.96	1594	5.42	1676	5.89	1755	6.37	1833	6.85	1909	7.34			
5000	963	2.84	997	2.98	1035	3.12	1076	3.27	1165	3.6	1258	3.99	1350	4.42	1438	4.86	1524	5.33	1606	5.8	1686	6.28	1764	6.77	1840	7.27					
5200	999	3.18	1031	3.33	1067	3.47	1106	3.62	1190	3.96	1280	4.35	1368	4.78	1455	5.24	1538	5.72	1619	6.2	1697	6.7	1774	7.2							
5400	1035	3.55	1065	3.7	1099	3.85	1136	4.01	1216	4.35	1302	4.74	1388	5.18	1472	5.64	1554	6.13	1633	6.63	1710	7.14									
5600	1071	3.94	1100	4.1	1132	4.26	1167	4.42	1243	4.76	1325	5.16	1408	5.6	1490	6.07	1570	6.57	1648	7.08											
5800	1107	4.37	1135	4.53	1166	4.7	1199	4.86	1271	5.21	1349	5.61	1429	6.05	1509	6.53	1587	7.03													
6000	1144	4.82	1170	5	1200	5.16	1231	5.33	1300	5.69	1374	6.09	1451	6.53	1529	7.01															
6100	1162	5.06	1188	5.24	1217	5.41	1247	5.58	1314	5.94	1387	6.34	1463	6.79	1539	7.27															
6200	1180	5.31	1206	5.49	1234	5.66	1264	5.84	1329	6.2	1400	6.6	1474	7.05																	
6300	1198	5.56	1224	5.75	1251	5.92	1280	6.1	1344	6.47	1413	6.87	1486	7.32																	
6400	1217	5.82	1241	6.01	1268	6.19	1297	6.37	1359	6.74	1427	7.15																			
6500	1235	6.09	1259	6.29	1285	6.47	1313	6.65	1374	7.03	1440	7.43																			
6600	1253	6.37	1277	6.57	1303	6.76	1330	6.94	1389	7.32																					
6700	1271	6.66	1295	6.86	1320	7.05	1347	7.24																							

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{WOCT} 63	ΔL_{WOCT} 125	ΔL_{WOCT} 250	ΔL_{WOCT} 500	ΔL_{WOCT} 1000	ΔL_{WOCT} 2000	ΔL_{WOCT} 4000	ΔL_{WOCT} 8000
ATLI 12-9	Area 1	RPM < 444	**13.1**	12	4	0	-4	-5	-10	-16	-27
		445 <RPM< 888	**12.2**	11	4	-4	-4	-4	-9	-15	-26
		889 <RPM< 1750	**11.7**	10	5	-2	-5	-5	-8	-12	-21
		RPM > 1751	**13.3**	12	6	-1	-6	-5	-8	-12	-19
	Area 2	RPM < 444	**9.4**	7	1	2	-4	-6	-10	-14	-22
		445 <RPM< 888	**7.7**	5	1	-4	-4	-4	-8	-11	-19
		889 <RPM< 1750	**4.5**	1	-4	-6	-7	-3	-8	-12	-17
		RPM > 1751	**6.8**	4	0	-4	-7	-5	-6	-10	-15
	Area 3	RPM < 444	**7.3**	5	-2	-2	-4	-5	-8	-11	-18
		445 <RPM< 888	**7.1**	5	-2	-6	-4	-4	-7	-10	-16
		889 <RPM< 1750	**5.3**	2	-2	-6	-8	-4	-7	-10	-14
		RPM > 1751	**3.6**	-2	-3	-6	-9	-6	-5	-8	-11

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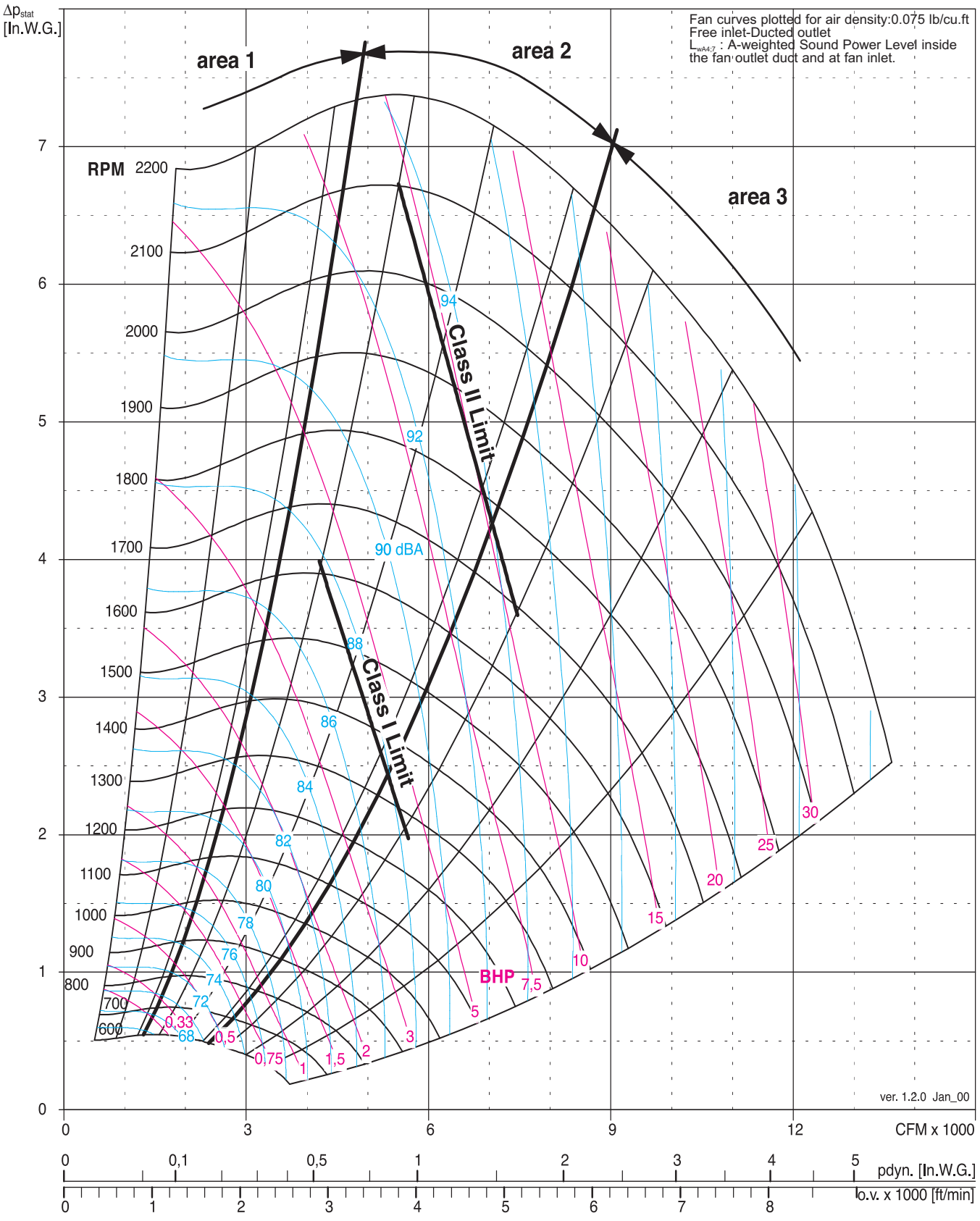
ATLI 12-12	B	R	T1	T2
Fan Max RPM [min^{-1}]	1900	1900	-	2115
Fan Max BHP	4	5	-	12
Fan Outlet Area O.A. [ft^2]	1.45			
Fan weight [Lb]	39.7	50.6	-	70.6
Wheel diameter [in.]	12.8			
Wheel width [in.]	11.46			
Wheel No. Blades	48			
Wheel Moment of Inertia [Lb ft^2]	3.37	3.37	-	3.37
Wheel weight [Lb]	13.85	13.85	-	13.85



ATLI 12-12 B / R / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	405	0.06	582	0.14	721	0.23	838	0.33	1031	0.58	1190	0.86	1328	1.19																
1400	414	0.1	573	0.18	707	0.27	823	0.38	1021	0.64	1186	0.93	1329	1.26	1458	1.63	1574	2.02	1682	2.44	1783	2.88	1877	3.35						
1800	435	0.16	579	0.25	702	0.35	812	0.46	1005	0.73	1172	1.03	1318	1.37	1450	1.74	1570	2.14	1681	2.57	1785	3.02	1882	3.5	1974	4	2061	4.51		
2000	448	0.2	587	0.29	704	0.4	810	0.51	999	0.78	1164	1.09	1310	1.44	1443	1.81	1564	2.22	1676	2.65	1781	3.11	1880	3.59	1973	4.09	2061	4.61		
2200	461	0.24	596	0.35	709	0.45	811	0.58	994	0.85	1156	1.16	1302	1.51	1435	1.89	1557	2.3	1670	2.74	1776	3.2	1875	3.68	1970	4.19	2059	4.72		
2400	477	0.29	607	0.41	717	0.52	815	0.65	992	0.92	1151	1.24	1295	1.59	1427	1.98	1549	2.39	1663	2.84	1769	3.3	1869	3.79	1964	4.3	2055	4.84		
2600	493	0.35	619	0.47	726	0.6	821	0.73	993	1.01	1147	1.33	1289	1.69	1420	2.08	1541	2.5	1655	2.95	1761	3.42	1862	3.91	1958	4.43	2049	4.96		
2800	512	0.42	631	0.55	736	0.68	829	0.82	995	1.11	1146	1.44	1284	1.8	1413	2.19	1534	2.62	1647	3.07	1753	3.54	1854	4.04	1950	4.56	2042	5.1		
3000	533	0.49	645	0.63	747	0.77	838	0.92	1000	1.22	1146	1.56	1282	1.92	1408	2.32	1527	2.75	1639	3.2	1745	3.68	1846	4.18	1942	4.71	2034	5.26		
3200	555	0.58	659	0.73	759	0.88	848	1.03	1006	1.34	1149	1.69	1281	2.06	1405	2.46	1522	2.89	1633	3.35	1738	3.84	1838	4.34	1934	4.87	2026	5.42	2114	6
3400	578	0.68	674	0.83	771	0.99	859	1.15	1014	1.48	1153	1.83	1282	2.21	1403	2.62	1518	3.05	1627	3.52	1732	4	1831	4.52	1926	5.05	2018	5.61	2106	6.18
3600	603	0.78	691	0.95	785	1.12	871	1.28	1023	1.63	1159	1.99	1285	2.38	1403	2.79	1516	3.23	1624	3.7	1726	4.19	1825	4.71	1919	5.24	2010	5.8	2098	6.39
3800	628	0.9	709	1.07	799	1.25	883	1.43	1032	1.79	1166	2.16	1289	2.56	1405	2.98	1516	3.42	1621	3.9	1722	4.39	1820	4.91	1913	5.46	2003	6.02	2090	6.61
4000	654	1.04	728	1.21	813	1.4	896	1.59	1043	1.96	1174	2.35	1295	2.75	1408	3.18	1517	3.64	1620	4.11	1720	4.62	1816	5.14	1908	5.69	1997	6.25	2084	6.84
4200	681	1.19	749	1.36	829	1.56	909	1.76	1054	2.15	1183	2.55	1301	2.96	1413	3.4	1519	3.86	1621	4.35	1718	4.85	1813	5.38	1904	5.94	1992	6.51	2078	7.1
4400	708	1.35	771	1.53	846	1.73	923	1.94	1066	2.35	1193	2.76	1309	3.19	1419	3.64	1523	4.11	1623	4.6	1719	5.11	1812	5.65	1901	6.2	1989	6.78	2073	7.38
4600	735	1.52	793	1.71	863	1.92	938	2.14	1078	2.57	1203	3	1318	3.44	1426	3.9	1528	4.37	1626	4.87	1720	5.39	1811	5.93	1900	6.49	1986	7.08	2069	7.68
4800	763	1.72	817	1.9	882	2.12	953	2.35	1090	2.8	1214	3.24	1327	3.7	1433	4.17	1534	4.66	1630	5.16	1723	5.69	1813	6.24	1900	6.8	1984	7.39	2067	8
5000	791	1.92	841	2.11	902	2.34	970	2.57	1103	3.04	1226	3.51	1338	3.98	1442	4.46	1541	4.96	1636	5.47	1727	6.01	1815	6.56	1901	7.14	1984	7.73	2066	8.34
5200	819	2.15	866	2.34	923	2.57	987	2.81	1117	3.3	1238	3.79	1348	4.27	1451	4.77	1549	5.28	1642	5.8	1732	6.35	1819	6.91	1903	7.49	1985	8.09	2065	8.71
5400	848	2.39	892	2.59	945	2.82	1005	3.07	1131	3.58	1250	4.09	1359	4.59	1461	5.1	1558	5.62	1649	6.15	1738	6.71	1823	7.28	1906	7.87	1987	8.47	2066	9.1
5600	876	2.66	918	2.86	968	3.09	1024	3.34	1146	3.87	1263	4.4	1371	4.92	1472	5.44	1567	5.98	1658	6.53	1745	7.09	1829	7.67	1911	8.27	1991	8.88	2068	9.51
5800	905	2.94	944	3.14	991	3.38	1045	3.64	1161	4.18	1276	4.73	1383	5.27	1483	5.81	1577	6.36	1666	6.92	1752	7.49	1835	8.08	1916	8.69	1995	9.31	2071	9.95
6000	933	3.24	971	3.45	1015	3.68	1065	3.95	1177	4.51	1290	5.08	1395	5.64	1494	6.2	1587	6.76	1676	7.33	1761	7.92	1843	8.52	1922	9.13	2000	9.76	2075	10.4
6200	962	3.56	998	3.77	1040	4.01	1087	4.28	1194	4.86	1304	5.45	1408	6.03	1506	6.6	1598	7.18	1686	7.77	1770	8.37	1851	8.98	1929	9.6	2006	10.2	2080	10.9
6400	991	3.9	1025	4.12	1065	4.36	1110	4.63	1212	5.22	1318	5.83	1421	6.43	1518	7.03	1609	7.62	1696	8.22	1779	8.84	1859	9.46	1937	10.1	2012	10.7	2086	11.4
6600	1020	4.26	1053	4.49	1090	4.73	1133	5.01	1230	5.61	1333	6.24	1434	6.86	1530	7.47	1621	8.09	1707	8.7	1789	9.33	1868	9.96	1945	10.6	2020	11.3	2092	11.9
6800	1049	4.65	1081	4.88	1116	5.13	1157	5.41	1249	6.02	1349	6.66	1448	7.31	1543	7.94	1633	8.57	1718	9.21	1799	9.84	1878	10.5	1954	11.2	2028	11.8		
7000	1079	5.06	1109	5.29	1143	5.55	1181	5.83	1269	6.45	1365	7.11	1462	7.77	1556	8.43	1645	9.08	1729	9.73	1810	10.4	1888	11.1	1963	11.7				
7200	1108	5.49	1137	5.73	1169	5.99	1206	6.27	1289	6.9	1382	7.58	1477	8.26	1569	8.94	1657	9.61	1741	10.3	1821	11	1898	11.6						
7400	1137	5.95	1165	6.19	1196	6.45	1231	6.74	1310	7.38	1400	8.07	1492	8.77	1583	9.47	1670	10.2	1753	10.9	1833	11.5								
7600	1166	6.43	1193	6.68	1223	6.95	1256	7.24	1332	7.88	1418	8.58	1508	9.31	1597	10	1683	10.7	1766	11.4										
7800	1196	6.94	1222	7.19	1251	7.46	1282	7.76	1355	8.41	1437	9.12	1524	9.86	1612	10.6	1697	11.3												
8000	1225	7.48	1250	7.73	1278	8.01	1309	8.3	1378	8.96	1457	9.69	1541	10.4	1627	11.2	1710	12												
8200	1255	8.04	1279	8.3	1306	8.58	1335	8.88	1401	9.54	1477	10.3	1558	11.1	1642	11.8														
8400	1284	8.63	1308	8.89	1334	9.18	1362	9.48	1425	10.2	1498	10.9	1577	11.7																
8600	1314	9.25	1337	9.52	1362	9.81	1389	10.1	1450	10.8	1519	11.5																		
8800	1343	9.9	1366	10.2	1390	10.5	1416	10.8	1474	11.5																				
9000	1373	10.6	1395	10.9	1418	11.2	1443	11.5																						
9200	1402	11.3	1424	11.6	1446	11.9																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{wct4} 63	ΔL_{wct4} 125	ΔL_{wct4} 250	ΔL_{wct4} 500	ΔL_{wct4} 1000	ΔL_{wct4} 2000	ΔL_{wct4} 4000	ΔL_{wct4} 8000
ATLI 12-12	Area 1	RPM < 444	**15.7**	15	5	1	-4	-6	-12	-20	-29
		445 <RPM< 888	**15.6**	15	5	-2	-2	-5	-12	-20	-29
		889 <RPM< 1750	**14.1**	13	6	0	-5	-5	-10	-15	-24
		RPM > 1751	**14.3**	13	7	1	-6	-5	-8	-12	-21
	Area 2	RPM < 444	**11.7**	10	3	3	-3	-5	-10	-16	-26
		445 <RPM< 888	**11.5**	10	4	-2	-2	-5	-10	-15	-26
		889 <RPM< 1750	**7.3**	5	-1	-3	-5	-4	-9	-12	-19
		RPM > 1751	**7.1**	5	-2	-3	-6	-7	-6	-9	-16
	Area 3	RPM < 444	**8.9**	7	0	-1	-4	-5	-8	-10	-19
		445 <RPM< 888	**8.7**	7	0	-5	-4	-5	-8	-9	-18
		889 <RPM< 1750	**7.9**	6	-1	-4	-6	-5	-7	-9	-13
		RPM > 1751	**6.0**	3	-1	-5	-8	-7	-6	-8	-12

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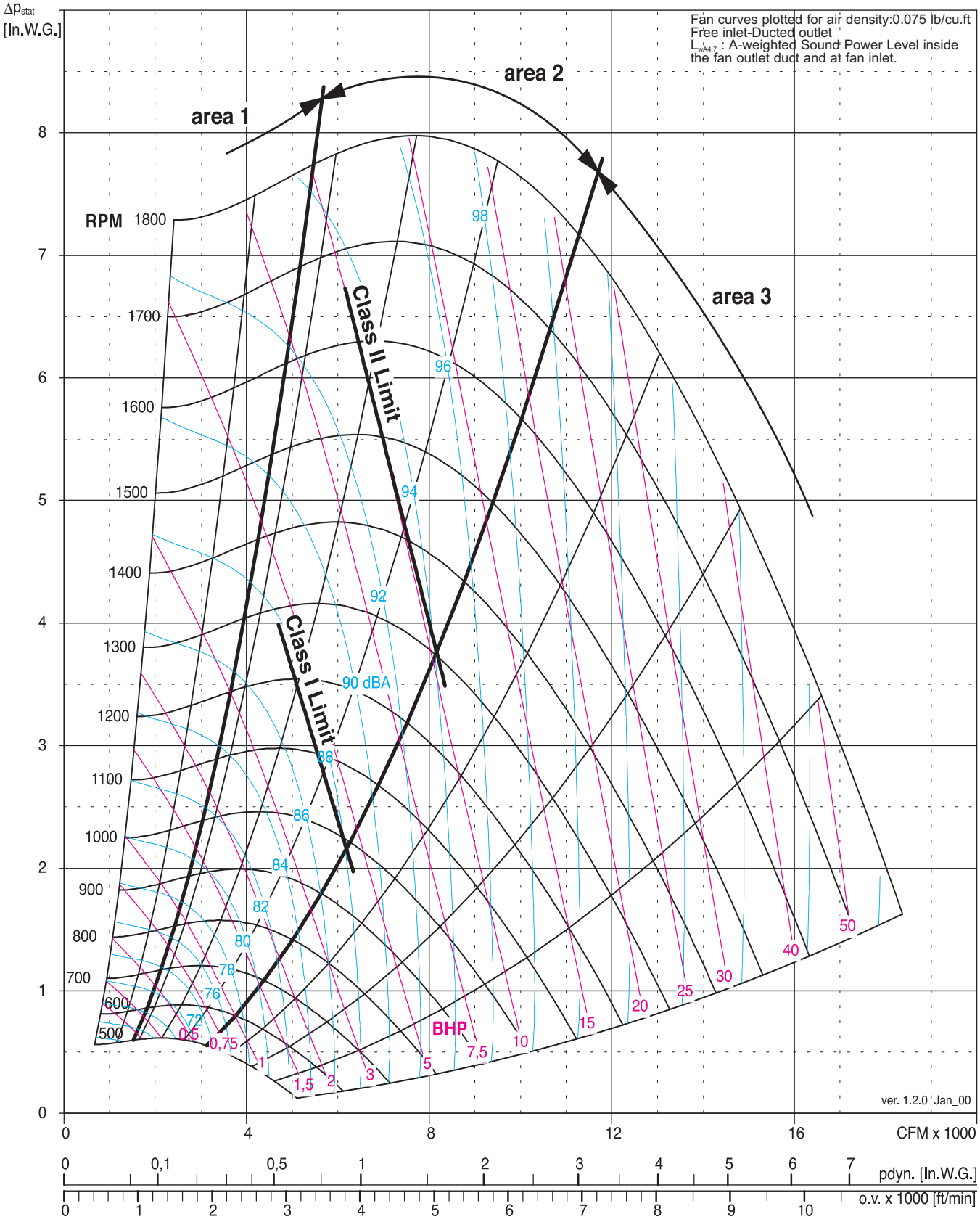
ATLI 15-11	B	R	T1	T2
Fan Max RPM [min^{-1}]	1600	1600	-	1720
Fan Max BHP	4	5	-	13.3
Fan Outlet Area O.A. [ft^2]	1.62			
Fan weight [Lb]	50.75	66.9	-	92.4
Wheel diameter [in.]	15.75			
Wheel width [in.]	10.71			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	5.8	5.8	-	5.8
Wheel weight [Lb]	17.7	17.7	-	17.7



ATLI 15-11 B / R / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	323	0.06	467	0.13	576	0.21	667	0.31	816	0.52	941	0.77																		
1400	319	0.09	457	0.17	568	0.26	661	0.36	815	0.6	943	0.87	1054	1.16	1154	1.47	1246	1.81	1330	2.17										
1800	325	0.13	451	0.22	558	0.32	651	0.44	807	0.69	938	0.98	1052	1.29	1154	1.62	1247	1.98	1334	2.36	1414	2.75	1490	3.17	1562	3.6				
2000	332	0.16	451	0.25	555	0.36	646	0.48	802	0.74	934	1.04	1049	1.36	1152	1.7	1246	2.07	1333	2.46	1414	2.86	1491	3.29	1563	3.73				
2200	340	0.19	453	0.29	552	0.4	642	0.53	797	0.8	929	1.1	1045	1.43	1149	1.79	1244	2.17	1332	2.56	1414	2.98	1491	3.41	1564	3.86	1633	4.33		
2400	350	0.23	456	0.34	552	0.45	639	0.58	792	0.86	924	1.18	1040	1.52	1145	1.88	1241	2.27	1329	2.68	1412	3.1	1489	3.54	1563	4	1633	4.48	1700	4.97
2600	360	0.27	462	0.39	553	0.51	638	0.64	788	0.93	919	1.25	1035	1.6	1140	1.98	1237	2.37	1326	2.79	1409	3.23	1487	3.68	1561	4.15	1632	4.64	1699	5.14
2800	372	0.32	468	0.44	556	0.57	638	0.71	785	1.01	914	1.34	1030	1.7	1136	2.08	1232	2.49	1321	2.91	1405	3.36	1484	3.82	1559	4.3	1630	4.8	1698	5.31
3000	384	0.37	476	0.51	560	0.64	639	0.79	782	1.09	910	1.43	1025	1.8	1130	2.19	1227	2.61	1317	3.04	1401	3.5	1480	3.97	1555	4.46	1627	4.97	1695	5.49
3200	396	0.43	485	0.58	566	0.72	642	0.87	781	1.19	907	1.54	1021	1.91	1125	2.31	1222	2.74	1312	3.18	1396	3.65	1476	4.13	1551	4.63	1623	5.14	1692	5.67
3400	409	0.5	495	0.65	573	0.8	646	0.96	781	1.29	904	1.65	1017	2.03	1121	2.44	1217	2.88	1307	3.33	1391	3.8	1471	4.29	1547	4.8	1619	5.33	1688	5.87
3800	437	0.66	516	0.83	589	0.99	657	1.17	784	1.52	901	1.9	1011	2.3	1112	2.73	1208	3.18	1297	3.65	1381	4.14	1461	4.65	1537	5.18	1610	5.72	1679	6.28
4200	466	0.85	540	1.03	608	1.22	672	1.41	791	1.79	903	2.19	1008	2.61	1107	3.06	1200	3.53	1288	4.01	1372	4.52	1451	5.05	1527	5.6	1600	6.16	1669	6.73
4400	481	0.95	553	1.15	618	1.34	680	1.54	797	1.94	905	2.35	1008	2.78	1105	3.24	1197	3.72	1284	4.21	1367	4.73	1446	5.27	1522	5.82	1595	6.39	1664	6.98
4600	496	1.07	565	1.28	629	1.48	690	1.68	803	2.1	909	2.52	1009	2.97	1104	3.43	1195	3.92	1281	4.43	1363	4.95	1442	5.5	1517	6.06	1590	6.64	1659	7.23
5000	526	1.33	592	1.56	653	1.78	710	2	817	2.45	918	2.9	1013	3.37	1105	3.86	1193	4.36	1276	4.89	1357	5.43	1434	5.99	1509	6.57	1580	7.17	1650	7.78	1716	8.41
5400	558	1.64	620	1.88	677	2.12	732	2.36	834	2.84	930	3.32	1021	3.82	1109	4.33	1193	4.86	1275	5.4	1353	5.97	1429	6.55	1502	7.14	1573	7.76	1641	8.39	1707	9.03
5800	590	1.99	648	2.25	703	2.51	755	2.77	853	3.28	944	3.8	1032	4.32	1116	4.86	1197	5.41	1276	5.98	1352	6.56	1426	7.16	1497	7.77	1567	8.41	1634	9.05	1699	9.72
6200	622	2.39	678	2.67	730	2.95	780	3.22	873	3.77	961	4.32	1045	4.88	1126	5.44	1204	6.02	1280	6.61	1354	7.21	1425	7.83	1495	8.47	1563	9.12	1629	9.78	1693	10.5
6600	655	2.84	708	3.14	758	3.44	806	3.73	895	4.32	980	4.9	1061	5.49	1138	6.09	1214	6.69	1287	7.3	1358	7.93	1427	8.57	1495	9.23	1561	9.9	1626	10.6	1689	11.3
7000	689	3.35	739	3.67	787	3.99	832	4.3	919	4.92	1000	5.54	1078	6.16	1153	6.79	1225	7.42	1296	8.06	1365	8.71	1432	9.38	1498	10.1	1562	10.8	1625	11.5	1687	12.2
7400	723	3.92	770	4.26	816	4.59	860	4.92	943	5.58	1022	6.24	1097	6.89	1169	7.55	1239	8.21	1307	8.88	1374	9.56	1439	10.3	1503	11	1565	11.7	1627	12.4	1687	13.1
7800	757	4.55	802	4.91	846	5.26	888	5.61	968	6.31	1044	7	1117	7.69	1187	8.38	1254	9.08	1320	9.78	1385	10.5	1448	11.2	1510	11.9	1571	12.7				
8000	774	4.89	818	5.26	861	5.62	902	5.98	981	6.69	1056	7.4	1127	8.11	1196	8.82	1263	9.53	1328	10.3	1391	11	1453	11.7	1514	12.4	1574	13.2				
8200	791	5.25	834	5.63	876	6	917	6.37	995	7.1	1068	7.83	1138	8.55	1206	9.28	1272	10	1335	10.7	1398	11.5	1459	12.2	1519	13						
8400	808	5.62	850	6.01	891	6.39	931	6.77	1008	7.52	1080	8.27	1149	9.01	1216	9.75	1281	10.5	1344	11.3	1405	12	1465	12.8								
8600	825	6.01	867	6.41	907	6.8	946	7.19	1021	7.96	1093	8.72	1161	9.49	1226	10.3	1290	11	1352	11.8	1413	12.5										
8800	843	6.42	883	6.83	922	7.23	961	7.63	1035	8.42	1105	9.2	1172	9.98	1237	10.8	1300	11.5	1361	12.3	1421	13.1										
9000	860	6.85	899	7.27	938	7.68	976	8.09	1049	8.89	1118	9.69	1184	10.5	1248	11.3	1310	12.1	1370	12.9												
9200	877	7.29	916	7.73	954	8.15	991	8.56	1063	9.39	1131	10.2	1196	11	1259	11.8	1320	12.7														
9400	895	7.76	932	8.2	970	8.64	1006	9.06	1077	9.9	1144	10.7	1208	11.6	1270	12.4	1330	13.2														
9600	912	8.25	949	8.7	986	9.14	1022	9.58	1091	10.4	1157	11.3	1221	12.2	1282	13																
9800	930	8.75	966	9.22	1002	9.67	1037	10.1	1105	11	1170	11.9	1233	12.7																		
10000	947	9.28	983	9.76	1018	10.2	1053	10.7	1120	11.6	1184	12.5																				
10200	965	9.83	1000	10.3	1034	10.8	1068	11.3	1134	12.2	1198	13.1																				
10400	982	10.4	1016	10.9	1050	11.4	1084	11.9	1149	12.8																						
10600	1000	11	1033	11.5	1067	12	1100	12.5																								
10800	1017	11.6	1050	12.1	1083	12.6	1116	13.1																								
11000	1035	12.2	1067	12.8	1100	13.3																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{wcl4} 63	ΔL_{wcl4} 125	ΔL_{wcl4} 250	ΔL_{wcl4} 500	ΔL_{wcl4} 1000	ΔL_{wcl4} 2000	ΔL_{wcl4} 4000	ΔL_{wcl4} 8000
ATLI 15-11	Area 1	RPM < 507	**14.0**	13	4	2	-3	-7	-10	-16	-27
		508 <RPM< 1014	**12.9**	12	3	-1	-3	-6	-9	-14	-25
		RPM > 1015	**10.3**	9	1	-3	-6	-2	-10	-15	-20
	Area 2	RPM < 507	**10.6**	9	0	2	-3	-6	-8	-14	-23
		508 <RPM< 1014	**9.1**	7	1	-1	-2	-6	-8	-12	-22
		RPM > 1015	**5.3**	2	-4	-5	-6	-2	-10	-13	-17
	Area 3	RPM < 507	**6.4**	3	-3	-1	-3	-5	-8	-12	-19
		508 <RPM< 1014	**6.0**	3	-4	-5	-1	-6	-8	-11	-15
		RPM > 1015	**4.1**	1	-6	-9	-8	-3	-9	-11	-13

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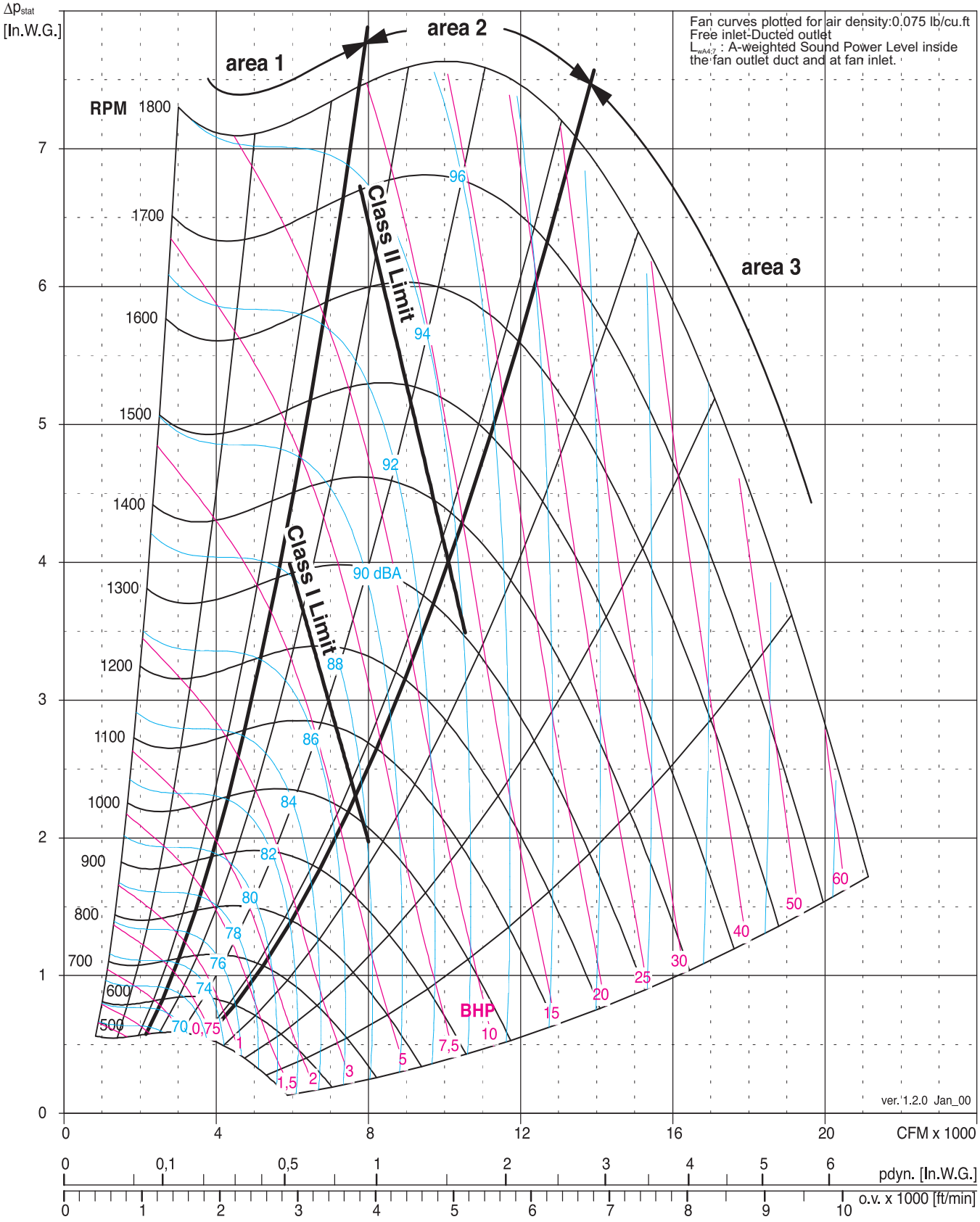
ATLI 15-15	B	R	T1	T2
Fan Max RPM [min^{-1}]	1600	1600	-	1720
Fan Max BHP	4	7.5	-	13.75
Fan Outlet Area O.A. [ft^2]	2.04			
Fan weight [Lb]	57.54	73.8	-	99.7
Wheel diameter [in.]	15.75			
Wheel width [in.]	13.78			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	6.55	6.55	-	6.55
Wheel weight [Lb]	19.93	19.93	-	19.93



ATLI 15-15 B / R / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	337	0.07			578	0.31																								
1400	330	0.09	477	0.2	585	0.34	673	0.5	817	0.87																				
1800	326	0.12	470	0.23	583	0.38	676	0.54	826	0.93	949	1.37	1055	1.86																
2200	330	0.16	463	0.28	576	0.43	671	0.6	828	1	955	1.46	1065	1.97	1162	2.52	1250	3.11												
2600	340	0.22	461	0.34	569	0.49	664	0.67	824	1.08	955	1.55	1068	2.08	1169	2.65	1259	3.26	1343	3.9	1421	4.58	1493	5.3						
3000	356	0.3	464	0.43	565	0.58	657	0.76	817	1.17	951	1.66	1067	2.2	1170	2.78	1264	3.41	1349	4.07	1429	4.77	1503	5.5	1574	6.26	1640	7.06	1704	7.87
3400	376	0.4	473	0.54	565	0.69	652	0.87	809	1.29	944	1.79	1063	2.34	1168	2.94	1264	3.58	1352	4.26	1433	4.97	1509	5.72	1581	6.5	1649	7.31	1714	8.14
3800	398	0.52	486	0.67	571	0.83	652	1.01	803	1.44	937	1.94	1056	2.5	1163	3.11	1261	3.76	1350	4.45	1433	5.18	1511	5.95	1584	6.74	1654	7.57		
4200	421	0.66	502	0.83	580	1.01	656	1.19	799	1.62	930	2.12	1048	2.68	1156	3.3	1255	3.97	1346	4.67	1430	5.41	1510	6.19	1585	7	1655	7.85		
4400	433	0.74	511	0.93	586	1.1	659	1.29	798	1.72	927	2.22	1044	2.79	1152	3.41	1251	4.08	1343	4.79	1428	5.54	1508	6.32	1584	7.14	1655	7.99		
4600	446	0.82	521	1.02	593	1.21	663	1.4	798	1.83	924	2.33	1041	2.9	1148	3.53	1247	4.2	1339	4.91	1425	5.67	1506	6.46	1582	7.29	1654	8.14		
5000	471	1.01	542	1.24	609	1.44	674	1.65	801	2.09	922	2.59	1035	3.16	1141	3.79	1240	4.46	1332	5.19	1419	5.95	1500	6.75	1577	7.59	1650	8.46		
5400	498	1.23	564	1.48	627	1.71	688	1.93	807	2.38	922	2.89	1031	3.46	1135	4.09	1232	4.77	1324	5.5	1411	6.27	1493	7.08	1571	7.93	1644	8.81	1715	9.72
5600	511	1.35	575	1.61	637	1.85	696	2.08	812	2.55	923	3.06	1030	3.63	1132	4.26	1229	4.94	1320	5.67	1407	6.45	1489	7.26	1567	8.11	1641	9	1712	9.91
5800	525	1.48	587	1.75	647	2.01	704	2.24	817	2.72	925	3.24	1030	3.81	1130	4.44	1226	5.12	1317	5.86	1403	6.63	1485	7.45	1563	8.3	1637	9.19	1709	10.1
6200	553	1.77	611	2.06	668	2.34	722	2.6	829	3.1	932	3.63	1032	4.21	1129	4.84	1222	5.53	1311	6.26	1396	7.04	1477	7.86	1555	8.72	1630	9.62	1701	10.6
6600	581	2.09	636	2.4	690	2.7	742	2.99	843	3.52	941	4.07	1036	4.66	1129	5.29	1219	5.98	1306	6.72	1390	7.5	1470	8.32	1548	9.19	1622	10.1	1694	11
7000	609	2.46	662	2.79	713	3.11	762	3.42	858	3.99	952	4.56	1043	5.16	1132	5.81	1219	6.49	1304	7.23	1385	8.01	1465	8.84	1541	9.71	1615	10.6	1686	11.6
7400	638	2.86	688	3.21	737	3.56	784	3.89	876	4.5	965	5.1	1052	5.72	1138	6.37	1221	7.07	1303	7.81	1383	8.59	1460	9.42	1535	10.3	1608	11.2	1679	12.1
7800	667	3.32	715	3.67	762	4.04	807	4.4	894	5.06	980	5.7	1063	6.33	1145	7	1226	7.7	1305	8.45	1382	9.23	1458	10.1	1531	10.9	1603	11.8	1672	12.8
8200	697	3.82	742	4.19	787	4.58	830	4.96	914	5.67	996	6.34	1076	7	1155	7.69	1232	8.4	1309	9.15	1383	9.94	1457	10.8	1529	11.6	1599	12.6	1667	13.5
8600	726	4.37	770	4.75	813	5.16	854	5.56	935	6.32	1014	7.03	1091	7.73	1166	8.43	1241	9.16	1314	9.92	1387	10.7	1458	11.6	1528	12.4	1596	13.3		
9000	756	4.97	798	5.36	839	5.79	879	6.21	957	7.02	1032	7.78	1107	8.51	1179	9.24	1251	9.99	1322	10.8	1392	11.6	1461	12.4	1529	13.3				
9400	786	5.63	826	6.03	866	6.47	904	6.92	979	7.78	1052	8.58	1124	9.35	1194	10.1	1263	10.9	1332	11.7	1399	12.5	1466	13.3						
9800	816	6.35	855	6.75	893	7.21	930	7.68	1002	8.59	1073	9.44	1142	10.3	1210	11.1	1277	11.8	1343	12.7	1408	13.5								
10200	846	7.13	883	7.54	920	8.01	956	8.5	1026	9.45	1094	10.4	1161	11.2	1227	12	1291	12.9	1355	13.7										
10300	854	7.34	891	7.75	927	8.22	962	8.71	1032	9.68	1100	10.6	1166	11.5	1231	12.3	1295	13.1												
10400	861	7.55	898	7.96	934	8.43	969	8.93	1038	9.91	1105	10.8	1171	11.7	1235	12.6	1299	13.4												
10500	869	7.76	905	8.17	941	8.65	976	9.15	1044	10.1	1111	11.1	1176	12.0	1240	12.8	1303	13.7												
10600	877	7.98	912	8.39	948	8.87	982	9.38	1050	10.4	1116	11.3	1181	12.2	1245	13.1														
10700	884	8.20	920	8.61	955	9.09	989	9.60	1056	10.6	1122	11.6	1186	12.5	1249	13.4														
10800	892	8.42	927	8.84	962	9.32	996	9.84	1063	10.9	1128	11.8	1191	12.8	1254	13.7														
10900	899	8.65	934	9.07	969	9.56	1003	10.1	1069	11.1	1133	12.1	1197	13.0																
11000	907	8.89	941	9.30	976	9.79	1009	10.3	1075	11.4	1139	12.4	1202	13.3																
11100	915	9.13	949	9.54	983	10.0	1016	10.6	1081	11.6	1145	12.6	1207	13.6																
11200	922	9.37	956	9.78	990	10.3	1023	10.8	1088	11.9	1151	12.9																		
11300	930	9.62	964	10.0	997	10.5	1030	11.1	1094	12.1	1157	13.2																		
11400	937	9.87	971	10.3	1004	10.8	1036	11.3	1100	12.4	1162	13.5																		
11500	945	10.1	978	10.5	1011	11.0	1043	11.6	1107	12.7	1168	13.7																		
11600	953	10.4	986	10.8	1018	11.3	1050	11.9	1113	13.0																				
11700	960	10.7	993	11.1	1025	11.6	1057	12.1	1119	13.2																				
11800	968	10.9	1000	11.3	1032	11.9	1064	12.4	1126	13.5																				
11900	976	11.2	1008	11.6	1039	12.1	1071	12.7																						
12000	983	11.5	1015	11.9	1047	12.4	1078	13.0																						
12100	991	11.8	1023	12.2	1054	12.7	1085	13.3																						
12200	999	12.0	1030	12.5	1061	13.0	1091	13.5																						
12300	1006	12.3	1037	12.8	1068	13.3																								
12400	1014	12.6	1045	13.1	1075	13.6																								
12500	1022	12.9	1052	13.4																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 15-15	Area 1	RPM < 507	**16.6**	16	4	3	-2	-8	-12	-18	-28
		508 <RPM< 1014	**16.4**	16	3	0	-2	-8	-12	-18	-28
		RPM > 1015	**12.9**	12	3	0	-5	-4	-11	-15	-22
	Area 2	RPM < 507	**11.6**	10	2	3	-2	-7	-11	-16	-27
		508 <RPM< 1014	**12.3**	11	3	0	0	-7	-11	-16	-27
		RPM > 1015	**7.3**	5	-2	-2	-4	-4	-10	-13	-18
	Area 3	RPM < 507	**7.9**	5	0	0	-3	-5	-8	-12	-18
		508 <RPM< 1014	**7.6**	5	-1	-2	-2	-6	-8	-11	-16
		RPM > 1015	**7.0**	5	-3	-5	-5	-4	-8	-11	-12

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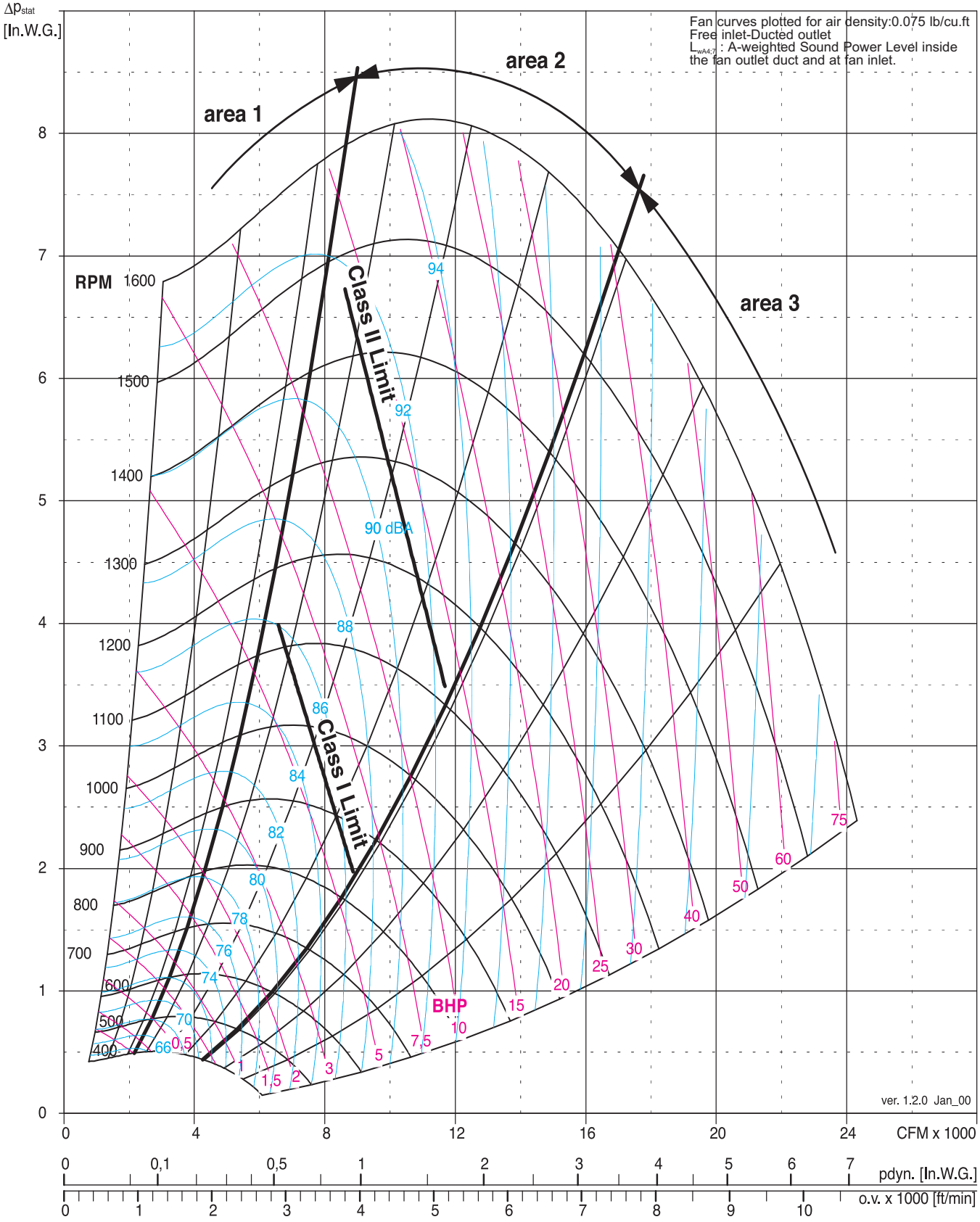
ATLI 18-13	B	R	T1	T2
Fan Max RPM [min^{-1}]	1215	1215	-	1515
Fan Max BHP	4	7.5	-	13.75
Fan Outlet Area O.A. [ft^2]	2.26			
Fan weight [Lb]	68.4	87.13	-	124.4
Wheel diameter [in.]	17.72			
Wheel width [in.]	13.94			
Wheel No. Blades	48			
Wheel Moment of Inertia [Lb ft^2]	9.63	9.63	-	9.63
Wheel weight [Lb]	23.5	23.5	-	23.5



ATLI 18-13 B / R / T2

	Δp_{stat} [In.W.G]																													
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	298	0.07	432	0.16	532	0.28	615	0.42	753	0.74	868	1.1																		
1400	287	0.08	422	0.19	525	0.32	611	0.46	752	0.8	870	1.18	973	1.61	1065	2.08	1150	2.58												
1800	281	0.11	411	0.22	514	0.36	601	0.51	746	0.86	867	1.27	971	1.71	1065	2.2	1151	2.72												
2200	282	0.14	402	0.26	503	0.4	590	0.57	737	0.94	859	1.36	966	1.82	1061	2.32	1148	2.86												
2600	287	0.19	398	0.31	494	0.46	579	0.63	726	1.02	849	1.46	957	1.94	1054	2.46	1143	3.02	1225	3.6	1301	4.22								
3000	296	0.24	398	0.38	488	0.54	570	0.72	714	1.12	838	1.57	947	2.07	1045	2.61	1134	3.18	1217	3.78	1295	4.42	1368	5.09	1437	5.78	1502	6.5		
3200	301	0.27	399	0.42	487	0.58	567	0.76	709	1.17	832	1.63	941	2.14	1040	2.68	1130	3.26	1213	3.88	1291	4.53	1364	5.2	1434	5.9	1500	6.63		
3400	307	0.31	402	0.46	486	0.63	564	0.81	704	1.23	827	1.7	936	2.21	1034	2.76	1124	3.35	1208	3.98	1286	4.63	1360	5.32	1430	6.03	1496	6.76		
3800	320	0.4	408	0.55	488	0.73	562	0.93	696	1.36	816	1.84	924	2.37	1023	2.94	1113	3.55	1198	4.19	1276	4.86	1351	5.56	1421	6.29	1488	7.04		
4200	335	0.5	417	0.67	492	0.86	562	1.06	691	1.51	807	2	914	2.55	1011	3.13	1102	3.76	1186	4.41	1265	5.1	1340	5.82	1411	6.56	1479	7.34		
4600	352	0.63	428	0.8	499	1	565	1.21	688	1.68	801	2.19	905	2.75	1001	3.35	1091	3.99	1175	4.66	1254	5.36	1329	6.1	1400	6.86	1468	7.65		
5000	369	0.78	440	0.96	508	1.16	571	1.39	688	1.87	796	2.4	897	2.98	992	3.59	1080	4.24	1164	4.93	1243	5.65	1318	6.4	1389	7.18	1457	7.98		
5400	388	0.95	454	1.14	518	1.35	578	1.58	690	2.09	794	2.64	892	3.23	984	3.86	1071	4.52	1154	5.23	1232	5.96	1306	6.72	1377	7.52	1446	8.34	1511	9.18
5800	407	1.15	469	1.34	529	1.56	587	1.81	694	2.33	795	2.9	889	3.51	979	4.15	1064	4.83	1145	5.55	1222	6.3	1296	7.08	1366	7.89	1434	8.72	1499	9.58
6200	428	1.38	485	1.58	542	1.8	597	2.06	700	2.6	797	3.19	888	3.81	975	4.47	1058	5.17	1137	5.9	1213	6.67	1286	7.46	1356	8.29	1423	9.14	1488	10
6600	449	1.64	501	1.84	555	2.08	608	2.33	707	2.9	801	3.51	889	4.15	973	4.83	1054	5.54	1131	6.29	1206	7.07	1277	7.88	1347	8.72	1413	9.58	1478	10.5
7000	470	1.94	519	2.14	570	2.38	620	2.65	716	3.23	806	3.85	891	4.52	973	5.22	1051	5.95	1127	6.71	1200	7.51	1270	8.33	1338	9.18	1404	10.1	1468	11
7400	492	2.26	537	2.48	586	2.72	634	2.99	726	3.59	813	4.24	895	4.92	974	5.64	1051	6.39	1124	7.17	1196	7.98	1265	8.82	1331	9.69	1396	10.6	1459	11.5
7800	514	2.63	556	2.85	602	3.1	648	3.37	737	3.99	821	4.65	901	5.36	977	6.09	1052	6.86	1123	7.66	1193	8.49	1260	9.34	1326	10.2	1389	11.1	1451	12.1	1512	13
8200	536	3.03	576	3.26	619	3.51	663	3.79	748	4.42	830	5.1	907	5.83	982	6.59	1054	7.37	1124	8.19	1192	9.04	1257	9.91	1322	10.8	1384	11.7	1445	12.7	1504	13.7
8400	547	3.25	586	3.48	628	3.73	670	4.02	754	4.65	835	5.35	911	6.08	985	6.85	1056	7.64	1124	8.47	1191	9.33	1257	10.2	1320	11.1	1382	12.1	1442	13		
8800	570	3.71	606	3.95	646	4.21	687	4.5	767	5.15	845	5.86	919	6.61	991	7.4	1060	8.22	1127	9.06	1192	9.93	1256	10.8	1318	11.8	1378	12.7	1438	13.7		
9200	593	4.22	627	4.47	665	4.73	703	5.02	781	5.68	856	6.41	928	7.18	998	7.99	1065	8.83	1131	9.69	1194	10.6	1256	11.5	1317	12.5	1377	13.4				
9400	604	4.49	638	4.74	674	5.01	712	5.3	788	5.97	862	6.7	933	7.48	1002	8.3	1068	9.15	1133	10	1196	10.9	1257	11.9	1317	12.8	1376	13.8				
9600	616	4.77	649	5.03	684	5.3	720	5.6	795	6.27	868	7.01	938	7.8	1006	8.62	1072	9.48	1135	10.4	1198	11.3	1258	12.2	1318	13.2						
10000	639	5.37	670	5.63	703	5.92	738	6.22	810	6.9	881	7.65	949	8.46	1015	9.3	1079	10.2	1141	11.1	1202	12	1261	13								
10400	662	6.01	692	6.29	723	6.58	757	6.89	826	7.57	894	8.34	960	9.16	1025	10	1087	10.9	1148	11.9	1208	12.8	1265	13.8								
10800	686	6.71	714	7	744	7.3	776	7.61	842	8.31	908	9.08	973	9.92	1035	10.8	1096	11.7	1156	12.7	1214	13.6										
11100	703	7.27	730	7.57	759	7.87	790	8.19	854	8.89	919	9.67	982	10.5	1044	11.4	1104	12.4	1162	13.3												
11200	709	7.46	736	7.76	765	8.07	795	8.39	858	9.09	922	9.88	985	10.7	1047	11.6	1106	12.6	1164	13.5												
11300	715	7.66	742	7.96	770	8.27	800	8.59	863	9.3	926	10.1	988	10.9	1049	11.8	1109	12.8	1167	13.8												
11400	721	7.86	747	8.16	775	8.47	805	8.8	867	9.51	930	10.3	992	11.2	1052	12.1	1111	13														
11500	727	8.06	753	8.37	781	8.68	810	9.01	871	9.72	933	10.5	995	11.4	1055	12.3	1114	13.2														
11600	733	8.27	758	8.58	786	8.89	815	9.22	876	9.94	937	10.7	998	11.6	1058	12.5	1116	13.5														
11700	739	8.48	764	8.79	791	9.11	820	9.44	880	10.2	941	11	1002	11.8	1061	12.7	1119	13.7														
11800	744	8.69	770	9.01	797	9.33	825	9.66	884	10.4	945	11.2	1005	12.1	1064	13																
11900	750	8.91	775	9.23	802	9.55	830	9.88	889	10.6	949	11.4	1009	12.3	1067	13.2																
12000	756	9.13	781	9.45	807	9.78	835	10.1	893	10.8	953	11.6	1012	12.5	1071	13.4																
12100	762	9.35	786	9.68	813	10	840	10.3	898	11.1	957	11.9	1016	12.8	1074	13.7																
12200	768	9.58	792	9.91	818	10.2	845	10.6	902	11.3	961	12.1	1019	13																		
12600	792	10.5	815	10.9	840	11.2	866	11.6	920	12.3	977	13.1																				
13000	815	11.5	838	11.9	862	12.2	887	12.6	939	13.4																						
13400	839	12.6	861	13	884	13.3	908	13.7																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 18-13	Area 1	RPM < 444	**16.7**	16	6	2	-2	-8	-12	-18	-27
		445 <RPM< 888	**16.5**	16	5	-1	-1	-8	-11	-16	-25
		RPM > 889	**15.6**	15	5	0	-4	-5	-10	-14	-21
	Area 2	RPM < 444	**11.4**	10	1	2	-3	-7	-9	-13	-21
		445 <RPM< 888	**11.1**	10	1	-3	-1	-7	-9	-11	-16
		RPM > 889	**7.8**	6	-1	-4	-6	-4	-10	-11	-12
	Area 3	RPM < 444	**8.9**	7	0	-1	-4	-5	-8	-10	-14
		445 <RPM< 888	**8.6**	7	0	-5	-4	-7	-8	-9	-10
		RPM > 889	**8.6**	7	0	-4	-6	-6	-8	-9	-10

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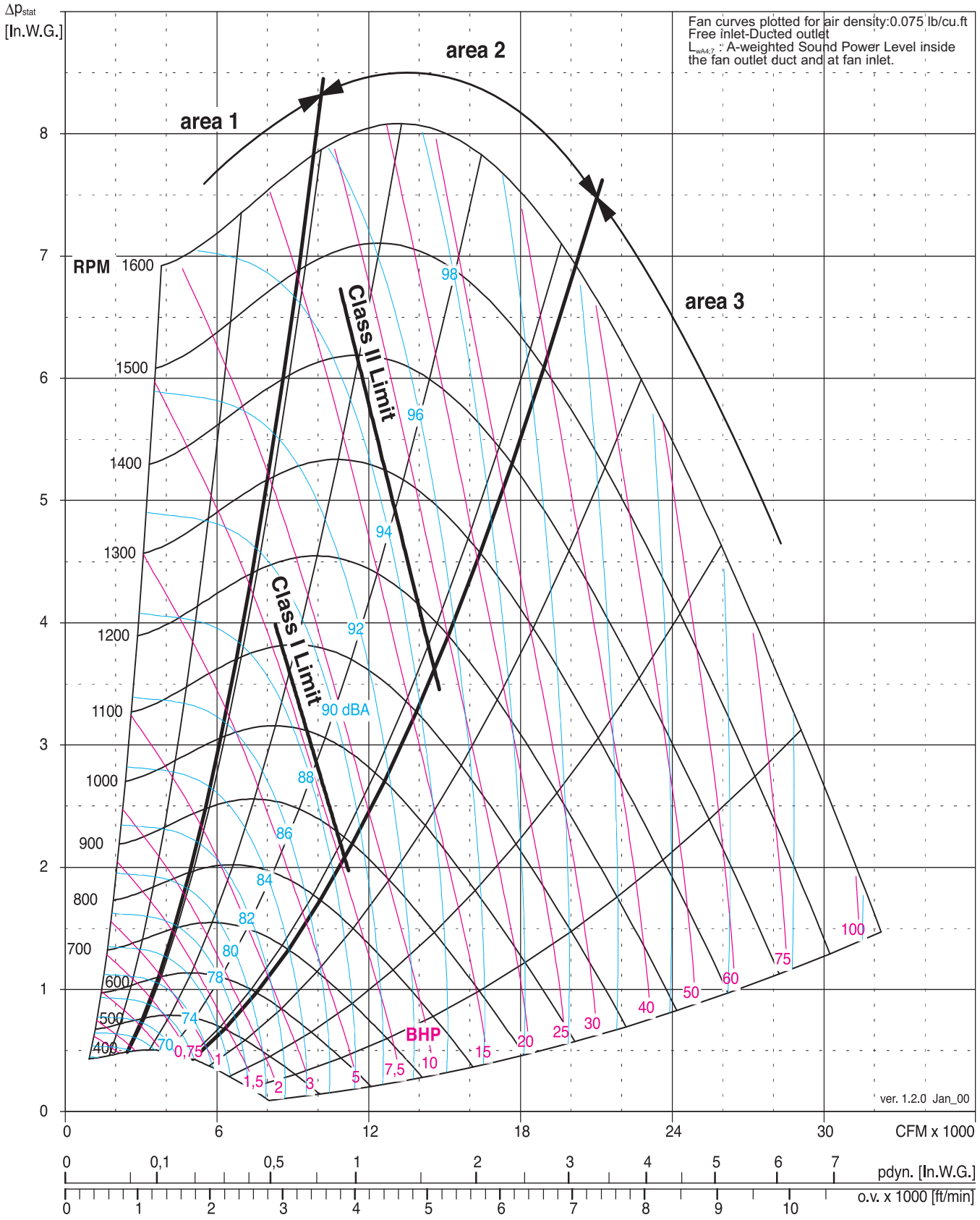
ATLI 18-18	B	R	T1	T2
Fan Max RPM [min^{-1}]	1215	1215	-	1500
Fan Max BHP	4	8.5	-	18.25
Fan Outlet Area O.A. [ft^2]	2.86			
Fan weight [Lb]	78	97	-	139.8
Wheel diameter [in.]	17.72			
Wheel width [in.]	18.11			
Wheel No. Blades	48			
Wheel Moment of Inertia [Lb ft^2]	11	11	-	11
Wheel weight [Lb]	27	27	-	27



ATLI 18-18 B / R / T2

	Δp_{stat} [In.W.G]																													
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1000	301	0.07	430	0.18	528	0.31	609	0.46																						
2000	283	0.12	413	0.25	516	0.41	601	0.58	743	0.98	861	1.44	963	1.95	1055	2.49	1140	3.08												
3000	287	0.21	399	0.36	496	0.54	581	0.74	726	1.18	847	1.69	953	2.25	1048	2.85	1135	3.49	1216	4.16										
4000	308	0.35	402	0.54	487	0.74	566	0.96	705	1.45	827	2	934	2.6	1031	3.24	1120	3.93	1203	4.66	1279	5.41	1352	6.2	1420	7.03	1486	7.88		
5000	338	0.57	420	0.79	494	1.02	564	1.26	692	1.8	808	2.39	914	3.03	1010	3.72	1100	4.45	1183	5.22	1261	6.02	1335	6.86	1405	7.73	1471	8.63		
5400	351	0.67	429	0.91	500	1.16	566	1.42	690	1.97	803	2.57	907	3.23	1002	3.94	1091	4.68	1175	5.47	1253	6.29	1327	7.15	1397	8.04	1464	8.96		
5800	364	0.8	440	1.05	507	1.31	571	1.58	689	2.16	799	2.78	901	3.45	995	4.18	1083	4.94	1166	5.74	1244	6.58	1318	7.46	1389	8.36	1456	9.3		
6000	371	0.86	445	1.13	512	1.4	574	1.67	690	2.26	798	2.89	898	3.57	992	4.3	1080	5.07	1162	5.89	1240	6.73	1314	7.62	1384	8.53	1452	9.48		
7000	406	1.27	475	1.57	536	1.88	592	2.19	698	2.84	797	3.53	890	4.25	979	5.02	1064	5.84	1144	6.69	1221	7.57	1294	8.5	1364	9.45	1431	10.4	1495	11.5
7200	414	1.36	482	1.67	541	1.99	597	2.31	700	2.97	798	3.67	890	4.41	978	5.19	1061	6.01	1141	6.87	1217	7.76	1290	8.69	1360	9.66	1426	10.7	1491	11.7
7400	421	1.46	488	1.77	547	2.1	601	2.43	703	3.11	799	3.82	890	4.57	976	5.36	1059	6.18	1138	7.05	1214	7.95	1286	8.89	1356	9.87	1422	10.9	1487	11.9
7600	429	1.57	494	1.88	553	2.22	606	2.56	706	3.25	801	3.97	890	4.73	976	5.53	1057	6.37	1136	7.24	1211	8.15	1283	9.1	1352	10.1	1418	11.1	1482	12.1
7800	436	1.68	501	2	558	2.34	611	2.69	710	3.4	802	4.14	891	4.9	975	5.71	1056	6.56	1133	7.44	1208	8.36	1279	9.32	1348	10.3	1415	11.3	1478	12.4
8000	444	1.8	508	2.12	564	2.47	617	2.83	714	3.55	805	4.3	891	5.08	975	5.9	1055	6.76	1131	7.65	1205	8.58	1276	9.54	1345	10.5	1411	11.6	1475	12.6
8200	451	1.92	515	2.25	570	2.61	622	2.97	717	3.71	807	4.48	893	5.27	975	6.1	1054	6.96	1130	7.86	1203	8.8	1274	9.77	1342	10.8	1407	11.8	1471	12.9
8400	459	2.05	521	2.38	577	2.75	627	3.12	722	3.88	810	4.65	894	5.46	975	6.3	1053	7.17	1128	8.08	1201	9.03	1271	10	1339	11	1404	12.1	1467	13.1
8600	467	2.19	528	2.52	583	2.9	633	3.28	726	4.05	813	4.84	896	5.66	976	6.51	1053	7.39	1127	8.31	1199	9.26	1269	10.3	1336	11.3	1401	12.3	1464	13.4
8800	475	2.33	535	2.67	589	3.05	639	3.44	730	4.22	816	5.03	898	5.86	977	6.72	1053	7.62	1126	8.54	1198	9.51	1266	10.5	1333	11.5	1398	12.6	1460	13.7
9000	483	2.48	542	2.82	596	3.21	645	3.6	735	4.41	820	5.23	900	6.07	978	6.94	1053	7.85	1126	8.79	1196	9.76	1265	10.8	1331	11.8	1395	12.9	1457	14
9200	490	2.63	550	2.98	602	3.37	650	3.77	740	4.6	823	5.43	903	6.29	980	7.17	1054	8.09	1126	9.04	1195	10	1263	11	1329	12.1	1392	13.2	1454	14.3
9400	498	2.8	557	3.14	609	3.54	657	3.95	745	4.79	827	5.64	906	6.51	981	7.41	1055	8.34	1126	9.29	1195	10.3	1262	11.3	1327	12.4	1390	13.4	1451	14.6
9600	506	2.96	564	3.31	615	3.72	663	4.14	750	4.99	831	5.86	909	6.75	983	7.66	1056	8.59	1126	9.56	1194	10.6	1260	11.6	1325	12.7	1388	13.7	1449	14.9
9800	514	3.14	571	3.49	622	3.9	669	4.33	755	5.2	835	6.08	912	6.98	986	7.91	1057	8.86	1126	9.83	1194	10.8	1259	11.9	1323	13	1386	14.1	1446	15.2
10000	522	3.33	578	3.68	629	4.09	675	4.53	760	5.41	840	6.31	915	7.23	988	8.17	1059	9.13	1127	10.1	1194	11.1	1259	12.2	1322	13.3	1384	14.4	1444	15.5
10200	531	3.52	586	3.87	636	4.29	682	4.73	766	5.64	844	6.55	919	7.48	991	8.43	1060	9.41	1128	10.4	1194	11.4	1258	12.5	1321	13.6	1383	14.7	1442	15.8
10400	539	3.72	593	4.07	643	4.5	688	4.94	772	5.86	849	6.79	923	7.74	994	8.7	1062	9.69	1129	10.7	1195	11.7	1258	12.8	1321	13.9	1381	15	1441	16.2	1499	17.4
10600	547	3.93	601	4.28	649	4.71	694	5.16	777	6.1	854	7.05	927	8.01	997	8.99	1065	9.99	1131	11	1195	12.1	1258	13.1	1320	14.3	1380	15.4	1439	16.5	1497	17.7
10800	555	4.14	608	4.49	656	4.93	701	5.39	783	6.34	859	7.3	931	8.28	1000	9.27	1067	10.3	1133	11.3	1196	12.4	1259	13.5	1320	14.6	1379	15.7	1438	16.9	1495	18.1
11000	563	4.36	616	4.72	664	5.16	708	5.62	789	6.59	864	7.57	935	8.56	1003	9.57	1070	10.6	1135	11.7	1198	12.7	1259	13.8	1320	15	1379	16.1	1437	17.3		
11200	571	4.6	623	4.95	671	5.39	714	5.86	795	6.85	869	7.84	939	8.85	1007	9.87	1073	10.9	1137	12	1199	13.1	1260	14.2	1320	15.3	1379	16.5	1436	17.7		
11400	580	4.84	631	5.19	678	5.63	721	6.11	801	7.11	874	8.12	944	9.15	1011	10.2	1076	11.2	1139	12.3	1201	13.4	1261	14.5	1320	15.7	1378	16.9	1435	18.1		
11600	588	5.09	639	5.44	685	5.89	728	6.37	807	7.38	880	8.41	949	9.45	1015	10.5	1079	11.6	1142	12.7	1203	13.8	1262	14.9	1321	16.1	1379	17.3				
11800	596	5.35	646	5.7	692	6.15	735	6.64	813	7.66	885	8.71	953	9.77	1019	10.8	1082	11.9	1144	13	1205	14.1	1264	15.3	1322	16.5	1379	17.7				
12000	605	5.61	654	5.96	699	6.41	742	6.91	819	7.95	891	9.01	958	10.1	1023	11.2	1086	12.3	1147	13.4	1207	14.5	1266	15.7	1323	16.9	1379	18.1				
12200	613	5.89	662	6.24	707	6.69	749	7.19	825	8.25	896	9.33	963	10.4	1027	11.5	1090	12.6	1150	13.8	1209	14.9	1267	16.1	1324	17.3						
12400	622	6.18	670	6.52	714	6.98	756	7.48	832	8.55	902	9.65	968	10.8	1032	11.9	1094	13	1153	14.1	1212	15.3	1269	16.5	1326	17.7						
12600	630	6.47	677	6.81	721	7.27	763	7.78	838	8.86	908	9.97	974	11.1	1037	12.2	1098	13.4	1157	14.5	1215	15.7	1272	16.9	1327	18.1						
12800	638	6.78	685	7.12	729	7.58	770	8.09	845	9.19	914	10.3	979	11.5	1041	12.6	1102	13.8	1160	14.9	1218	16.1	1274	17.3								
13000	647	7.09	693	7.43	736	7.89	777	8.41	851	9.52	920	10.7	984	11.8	1046	13	1106	14.2	1164	15.3	1221	16.6	1277	17.8								
13200	655	7.42	701	7.75	744	8.21	784	8.73	858	9.85	926	11	990	12.2	1051	13.4	1110	14.6	1168	15.8	1224	17										
13400	664	7.75	709	8.08	751	8.55	791	9.07	864	10.2	932	11.4	995	12.6	1056	13.8	1115	15	1172	16.2	1228	17.4										
13600	672	8.1	717	8.43	759	8.89	798	9.42	871	10.6	938	11.8	1001	13	1061	14.2	1119	15.4	1176	16.6	1231	17.9										
13800	681	8.46	725	8.78	767	9.24	806	9.77	878	10.9	944	12.1	1007	13.4	1066	14.6	1124	15.8	1180	17.1												
14000	690	8.82	733	9.14	774	9.6	813	10.1	884	11.3	950	12.5	1012	13.8	1072	15	1129	16.3	1184	17.5												
15000	733	10.8	774	11.1	813	11.6	850	12.1	919	13.3	982	14.6	1042	15.9	1099	17.3																
16000	776	13.1	815	13.4	852	13.8	888	14.4	954	15.6	1016	17																				
17000	820	15.7	856	16	892	16.4	926	16.9																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 18-18	Area 1	RPM < 444	**16.7**	16	6	3	-3	-8	-11	-16	-24
		445 <RPM< 888	**16.5**	16	5	0	-3	-7	-9	-13	-21
		RPM > 889	**12.4**	11	5	-1	-4	-5	-10	-12	-19
	Area 2	RPM < 444	**11.7**	10	3	3	-3	-7	-9	-14	-23
		445 <RPM< 888	**12.3**	11	4	-1	-1	-7	-9	-12	-20
		RPM > 889	**5.9**	3	-2	-6	-5	-3	-9	-11	-16
	Area 3	RPM < 444	**6.1**	3	-3	-2	-4	-6	-8	-11	-18
		445 <RPM< 888	**6.0**	3	-4	-6	-1	-7	-8	-9	-15
		RPM > 889	**5.0**	2	-5	-7	-6	-5	-7	-8	-9

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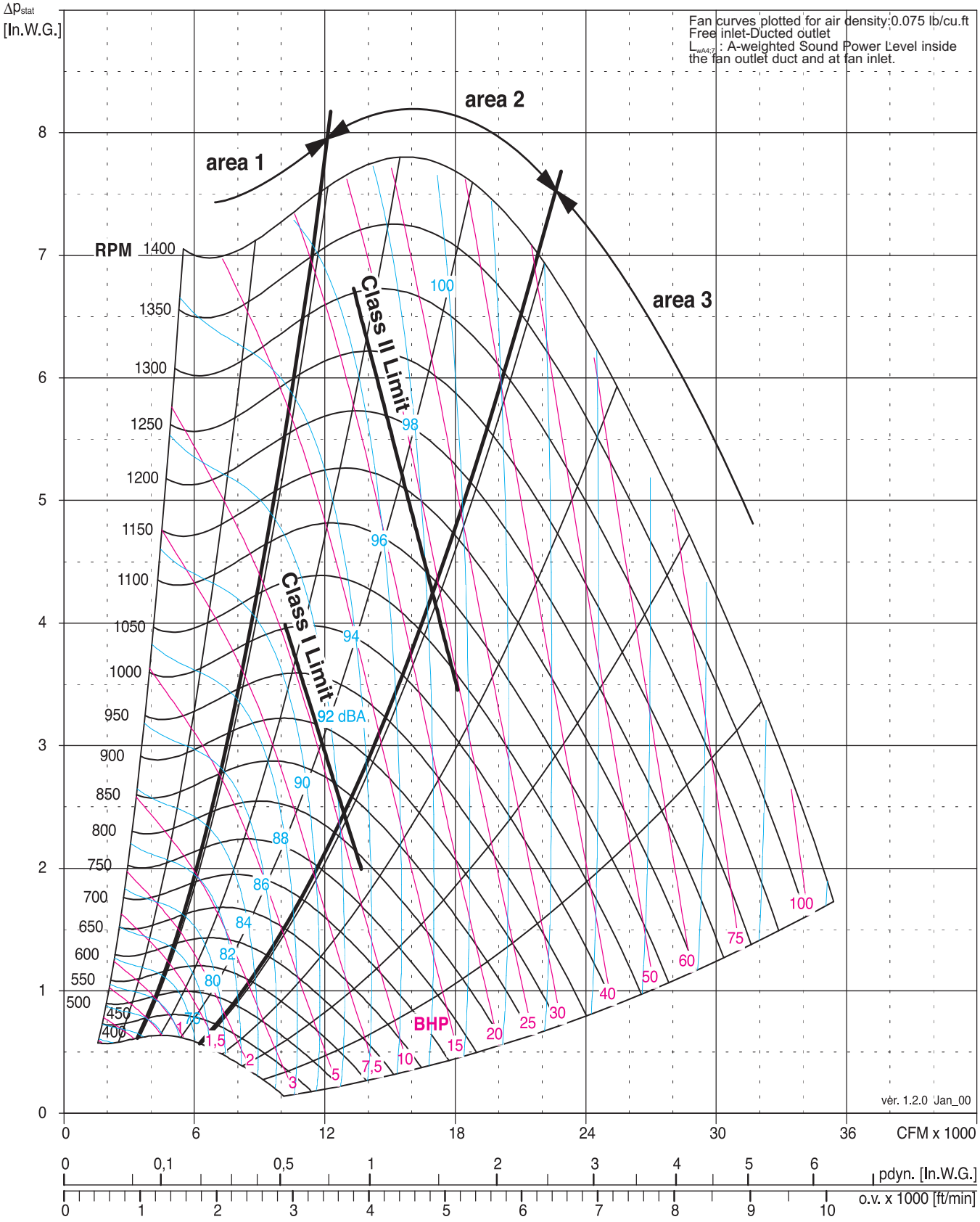
ATLI 20-15	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	1100	1100	1330
Fan Max BHP	-	13.5	17	25
Fan Outlet Area O.A. [ft^2]	3.51			
Fan weight [Lb]	-	143.6	188.65	204.83
Wheel diameter [in.]	19.69			
Wheel width [in.]	12.4			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	16.37	16.37	17.9
Wheel weight [Lb]	-	34.5	34.5	43.9



ATLI 20-15 R / T1 / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			362	0.38	453	0.6	528	0.85	649	1.42	747	2.06																
4000			354	0.52	439	0.76	515	1.02	643	1.64	748	2.33	838	3.1	917	3.92	988	4.79										
5000			361	0.74	434	0.99	503	1.27	629	1.91	738	2.65	832	3.46	916	4.33	991	5.26	1060	6.23	1123	7.26	1183	8.32	1238	9.43			
5500			368	0.87	436	1.14	501	1.43	622	2.08	730	2.83	826	3.66	911	4.55	988	5.51	1059	6.51	1124	7.56	1185	8.65	1242	9.78	1296	11	
6000			377	1.03	441	1.31	502	1.61	617	2.28	723	3.04	819	3.88	905	4.8	984	5.77	1056	6.8	1122	7.87	1185	8.99	1243	10.2	1298	11.4	
6500			387	1.21	448	1.51	505	1.82	615	2.5	717	3.28	811	4.13	898	5.06	977	6.06	1051	7.1	1119	8.2	1182	9.35	1242	10.5	1298	11.8	
7000			398	1.41	456	1.73	510	2.05	614	2.76	712	3.55	805	4.41	891	5.36	970	6.37	1044	7.44	1113	8.55	1178	9.72	1238	10.9	1296	12.2	
7500	346	1.29	409	1.63	465	1.97	517	2.31	615	3.05	710	3.85	799	4.73	884	5.69	963	6.71	1037	7.79	1107	8.93	1172	10.1	1233	11.4	1292	12.6	
8000	360	1.51	421	1.88	475	2.24	525	2.61	619	3.36	709	4.19	795	5.08	878	6.05	956	7.08	1030	8.18	1099	9.34	1165	10.5	1227	11.8	1286	13.1	
8500	375	1.77	433	2.16	485	2.54	534	2.93	624	3.72	710	4.56	793	5.47	873	6.45	950	7.5	1023	8.61	1092	9.78	1158	11	1220	12.3	1280	13.6	
9000	389	2.04	446	2.46	497	2.87	543	3.27	630	4.1	713	4.97	793	5.9	870	6.89	945	7.95	1016	9.08	1085	10.3	1150	11.5	1213	12.8	1273	14.1	
9500	404	2.36	459	2.79	509	3.23	554	3.66	638	4.52	717	5.42	794	6.37	868	7.38	941	8.45	1011	9.59	1078	10.8	1143	12	1206	13.3	1265	14.7	1323	16.1
10000	420	2.7	473	3.16	521	3.62	565	4.07	646	4.97	722	5.91	796	6.88	868	7.91	939	9	1007	10.1	1073	11.4	1137	12.6	1199	13.9	1258	15.3	1316	16.7
10500	435	3.07	486	3.56	533	4.04	576	4.52	655	5.46	729	6.43	800	7.43	870	8.49	938	9.59	1004	10.8	1069	12	1131	13.2	1192	14.6	1251	15.9	1308	17.4
11000	451	3.48	500	3.99	546	4.5	588	5	665	5.99	737	6.99	806	8.03	873	9.1	938	10.2	1003	11.4	1066	12.6	1127	13.9	1187	15.3	1245	16.6	1301	18.1
11500	467	3.93	514	4.46	559	4.99	600	5.52	675	6.56	745	7.6	812	8.67	877	9.77	940	10.9	1003	12.1	1064	13.4	1124	14.7	1182	16	1239	17.4	1295	18.8
12000	484	4.42	529	4.97	572	5.53	612	6.07	686	7.16	754	8.24	819	9.35	882	10.5	943	11.7	1004	12.9	1063	14.1	1122	15.4	1179	16.8	1235	18.2	1290	19.7
12500	500	4.95	544	5.52	586	6.1	625	6.67	697	7.81	764	8.93	827	10.1	888	11.2	948	12.4	1006	13.7	1064	15	1121	16.3	1177	17.7	1231	19.1	1285	20.6
13000	517	5.52	559	6.11	600	6.71	638	7.31	709	8.49	774	9.67	836	10.8	895	12	953	13.3	1010	14.5	1066	15.8	1121	17.2	1176	18.6	1229	20	1282	21.5
13500	534	6.14	574	6.75	614	7.37	651	7.99	721	9.23	785	10.4	845	11.7	903	12.9	959	14.2	1015	15.5	1069	16.8	1123	18.2	1176	19.6	1228	21	1279	22.5
14000	551	6.8	589	7.43	628	8.07	665	8.72	733	10	795	11.3	854	12.5	911	13.8	966	15.1	1020	16.4	1073	17.8	1125	19.2	1177	20.6	1228	22.1	1278	23.6
14500	568	7.51	605	8.15	642	8.82	678	9.49	745	10.8	807	12.1	865	13.4	920	14.8	974	16.1	1026	17.4	1078	18.8	1129	20.2	1179	21.7	1229	23.2	1278	24.7
15000	585	8.26	620	8.93	657	9.62	692	10.3	758	11.7	818	13.1	875	14.4	929	15.8	982	17.1	1033	18.5	1084	19.9	1133	21.4	1182	22.9	1231	24.4		
15500	602	9.07	636	9.76	672	10.5	706	11.2	771	12.6	830	14	886	15.4	939	16.8	991	18.2	1041	19.7	1090	21.1	1139	22.6	1186	24.1				
16000	619	9.93	652	10.6	687	11.4	720	12.1	784	13.6	842	15.1	897	16.5	950	17.9	1000	19.4	1049	20.8	1097	22.3	1145	23.8						
16500	637	10.9	669	11.6	702	12.3	734	13.1	797	14.6	855	16.1	909	17.6	960	19.1	1010	20.6	1058	22.1	1105	23.6								
17000	654	11.8	685	12.6	717	13.3	749	14.1	810	15.7	867	17.3	920	18.8	971	20.3	1020	21.9	1067	23.4	1113	25								
17500	672	12.9	701	13.6	732	14.4	764	15.2	824	16.8	880	18.4	932	20	982	21.6	1030	23.2	1077	24.8										
18000	689	13.9	718	14.7	748	15.5	778	16.4	837	18	893	19.7	944	21.3	994	23	1041	24.6												
18250	698	14,5	726	15,3	756	16,1	786	16,9	844	18,6	899	20,3	950	22	999	23,6														
18500	707	15.1	735	15.9	764	16.7	793	17.6	851	19.3	905	21	957	22.7	1005	24.4														
18750	716	15,7	743	16,5	772	17,3	801	18,2	858	19,9	912	21,7	963	23,4																
19000	724	16.3	751	17.1	780	18	809	18.8	865	20.6	919	22.4	969	24.1																
19250	733	16,9	760	17,8	788	18,6	816	19,5	872	21,3	925	23,1	975	24,8																
19500	742	17.6	768	18.4	796	19.3	824	20.2	879	22	932	23.8																		
19750	751	18,2	777	19,1	804	20	832	20,9	886	22,7	939	24,5																		
20000	760	18.9	785	19.8	812	20.7	839	21.6	893	23.4																				
20250	769	19,6	794	20,5	820	21,4	847	22,3	901	24,2																				
20500	778	20.3	802	21.2	828	22.1	855	23	908	24.9																				
20750	787	21,1	811	22	837	22,9	863	23,8																						
21000	795	21.8	820	22.7	845	23.6	871	24.6																						

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 20-15	Area 1	RPM < 561	**13.9**	13	3	2	-3	-7	-10	-17	-25
		562 <RPM< 1121	**12.9**	12	3	-1	-3	-6	-9	-14	-22
		RPM > 1122	**10.6**	9	3	-3	-4	-4	-8	-12	-19
	Area 2	RPM < 561	**9.1**	7	-1	1	-3	-5	-9	-14	-22
		562 <RPM< 1121	**6.8**	4	-1	-5	-2	-5	-8	-12	-19
		RPM > 1122	**4.3**	0	-3	-7	-6	-4	-6	-11	-16
	Area 3	RPM < 561	**5.3**	1	-3	-2	-4	-5	-8	-10	-17
		562 <RPM< 1121	**4.7**	1	-3	-7	-4	-6	-7	-9	-14
		RPM > 1122	**4.5**	1	-4	-8	-7	-5	-6	-8	-12

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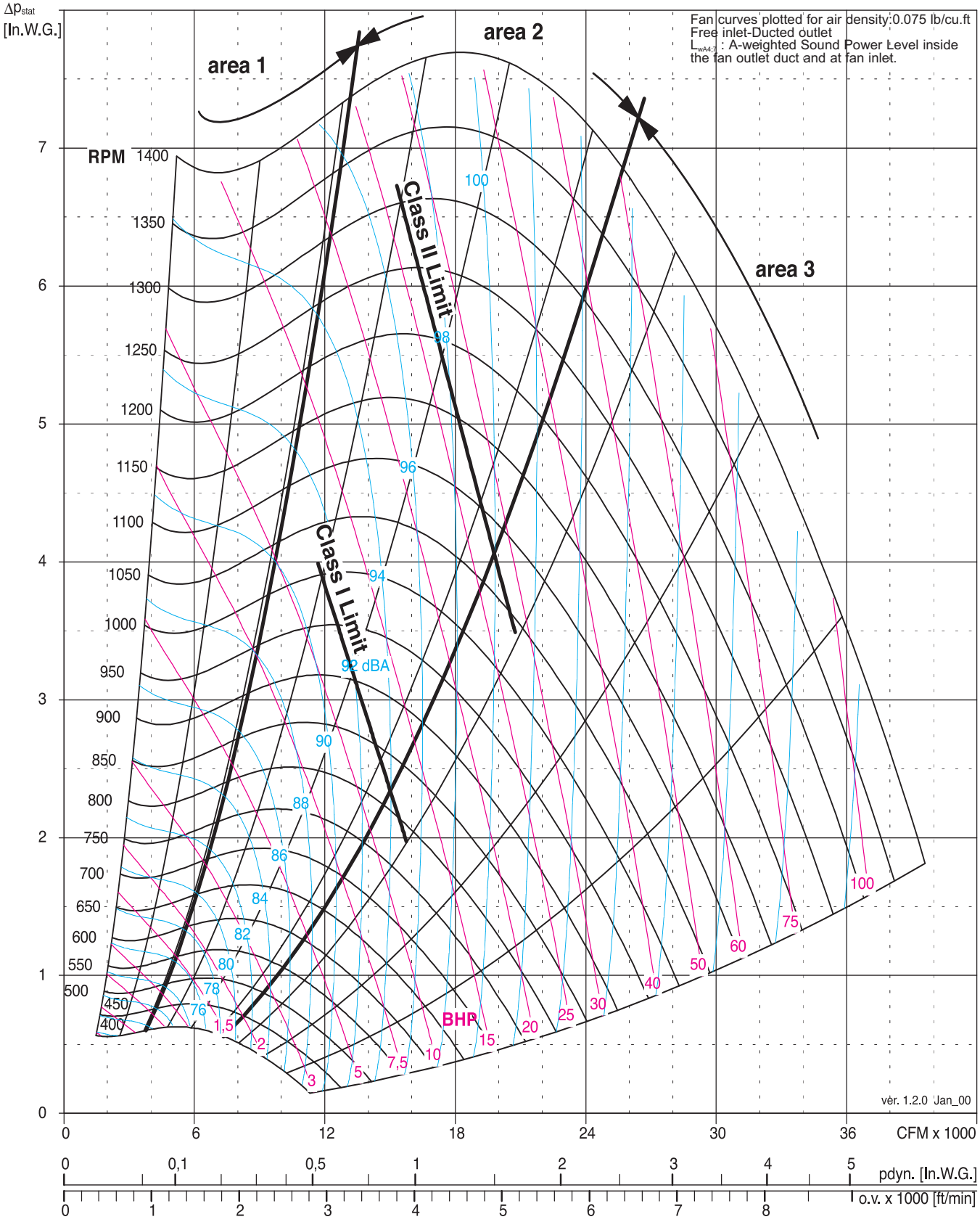
ATLI 20-18	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	1100	1100	1330
Fan Max BHP	-	13.5	17	30
Fan Outlet Area O.A. [ft^2]	4.03			
Fan weight [Lb]	-	152.7	198	214.66
Wheel diameter [in.]	19.69			
Wheel width [in.]	15.24			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	18.5	18.5	19.93
Wheel weight [Lb]	-	38.25	38.25	47.64



ATLI 20-18 R / T1 / T2

Δp_{stat} [In.W.G]																										
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			370	0.39	461	0.62	535	0.89	656	1.48	754	2.15																		
4000			359	0.51	449	0.77	526	1.06	654	1.71	758	2.44	847	3.23	926	4.08	998	4.98	1064	5.93										
5000			358	0.69	439	0.97	514	1.27	643	1.97	752	2.76	845	3.61	928	4.52	1003	5.49	1071	6.5	1135	7.56	1195	8.66	1251	9.8	1304	11		
5500			360	0.8	437	1.09	509	1.41	637	2.13	746	2.93	841	3.81	926	4.75	1002	5.75	1072	6.79	1137	7.89	1198	9.02	1255	10.2	1309	11.4		
6000			365	0.92	438	1.22	506	1.56	631	2.3	740	3.13	836	4.03	922	5	1000	6.02	1071	7.1	1137	8.22	1199	9.38	1257	10.6	1312	11.8		
6500			372	1.06	440	1.38	505	1.73	626	2.49	734	3.34	830	4.27	917	5.26	996	6.31	1068	7.41	1135	8.57	1198	9.76	1257	11	1313	12.3		
7000			379	1.22	444	1.56	505	1.91	622	2.7	728	3.57	824	4.52	911	5.54	991	6.61	1064	7.75	1132	8.92	1196	10.2	1256	11.4	1313	12.7		
7500			388	1.39	449	1.75	508	2.12	619	2.93	722	3.82	817	4.8	905	5.84	985	6.94	1059	8.09	1128	9.3	1192	10.6	1253	11.9	1311	13.2		
8000			397	1.59	456	1.96	512	2.35	618	3.19	718	4.11	812	5.1	898	6.16	978	7.28	1053	8.46	1122	9.69	1188	11	1249	12.3	1308	13.7		
8500			407	1.81	463	2.2	517	2.61	619	3.47	716	4.41	807	5.42	892	6.51	972	7.65	1047	8.85	1117	10.1	1182	11.4	1245	12.8	1304	14.2		
9000	358	1.66	417	2.04	471	2.46	523	2.88	621	3.78	714	4.74	803	5.78	887	6.88	966	8.05	1040	9.27	1110	10.6	1176	11.9	1239	13.3	1299	14.7		
10000	384	2.18	439	2.6	490	3.04	538	3.51	628	4.47	715	5.5	798	6.58	878	7.72	955	8.93	1028	10.2	1098	11.5	1164	12.9	1227	14.3	1287	15.8		
10500	398	2.48	451	2.91	500	3.38	546	3.86	634	4.86	717	5.91	798	7.02	876	8.19	951	9.42	1023	10.7	1092	12.1	1157	13.4	1220	14.9	1281	16.4		
11000	412	2.81	462	3.26	510	3.74	555	4.24	640	5.28	721	6.36	799	7.5	875	8.69	948	9.94	1018	11.3	1086	12.6	1151	14	1214	15.5	1274	17		
11500	426	3.17	475	3.63	521	4.13	565	4.65	647	5.72	725	6.84	801	8.01	874	9.23	946	10.5	1015	11.8	1081	13.2	1146	14.7	1208	16.1	1268	17.7	1326	19.2
12000	440	3.56	487	4.04	532	4.55	575	5.09	655	6.2	730	7.35	804	8.55	875	9.8	944	11.1	1012	12.5	1078	13.9	1141	15.3	1202	16.8	1262	18.4	1319	20
12500	454	3.98	500	4.48	543	5	585	5.56	663	6.71	736	7.9	808	9.13	877	10.4	944	11.7	1010	13.1	1074	14.5	1137	16	1198	17.5	1256	19.1	1313	20.7
13000	469	4.44	513	4.95	555	5.49	596	6.06	671	7.25	743	8.47	812	9.74	880	11.1	945	12.4	1010	13.8	1072	15.3	1134	16.8	1193	18.3	1251	19.9	1308	21.5
13500	484	4.93	526	5.46	567	6.01	606	6.6	680	7.82	750	9.09	818	10.4	883	11.7	947	13.1	1010	14.5	1071	16	1131	17.5	1190	19.1	1247	20.7	1303	22.4
14000	499	5.46	539	6	579	6.58	618	7.18	690	8.43	758	9.73	824	11.1	887	12.5	950	13.9	1011	15.3	1071	16.8	1130	18.4	1187	20	1243	21.6	1298	23.3
14500	514	6.03	553	6.59	592	7.17	629	7.79	700	9.08	766	10.4	830	11.8	893	13.2	953	14.7	1013	16.1	1071	17.7	1129	19.2	1185	20.8	1240	22.5	1294	24.2
15000	529	6.63	567	7.21	604	7.81	641	8.44	710	9.76	775	11.1	838	12.6	898	14	957	15.5	1016	17	1073	18.5	1129	20.1	1184	21.8	1238	23.5	1291	25.2
15500	544	7.28	580	7.87	617	8.49	653	9.13	720	10.5	784	11.9	845	13.4	904	14.8	962	16.3	1019	17.9	1075	19.5	1130	21.1	1184	22.8	1237	24.5	1289	26.2
16000	559	7.96	594	8.58	630	9.21	665	9.87	731	11.3	793	12.7	853	14.2	911	15.7	968	17.3	1023	18.8	1078	20.5	1131	22.1	1184	23.8	1236	25.5	1288	27.3
16500	574	8.69	609	9.33	643	9.98	677	10.7	742	12.1	803	13.6	862	15.1	918	16.6	974	18.2	1028	19.8	1081	21.5	1134	23.2	1186	24.9	1237	26.6	1287	28.4
17000	590	9.47	623	10.1	657	10.8	690	11.5	753	12.9	813	14.4	871	16	926	17.6	980	19.2	1033	20.9	1085	22.5	1137	24.3	1188	26	1238	27.8	1287	29.6
17500	605	10.3	637	11	670	11.6	702	12.3	764	13.8	823	15.4	880	17	934	18.6	987	20.3	1039	21.9	1090	23.7	1141	25.4	1190	27.2	1239	29		
18000	621	11.2	652	11.9	684	12.5	715	13.3	776	14.8	834	16.4	889	18	943	19.7	995	21.3	1046	23.1	1096	24.8	1145	26.6	1194	28.4				
18500	636	12.1	667	12.8	697	13.5	728	14.2	788	15.8	845	17.4	899	19.1	952	20.8	1003	22.5	1053	24.2	1102	26	1150	27.8	1198	29.7				
19000	652	13	681	13.8	711	14.5	741	15.3	800	16.8	855	18.5	909	20.2	961	21.9	1011	23.7	1060	25.5	1108	27.3	1155	29.1						
19500	668	14	696	14.8	725	15.6	755	16.3	812	17.9	867	19.6	919	21.3	970	23.1	1019	24.9	1067	26.7	1115	28.6								
20000	683	15.1	711	15.9	740	16.7	768	17.4	824	19.1	878	20.8	930	22.6	980	24.4	1028	26.2	1075	28.1	1122	30								
20500	699	16.2	726	17	754	17.8	782	18.6	836	20.3	890	22	940	23.8	989	25.7	1037	27.5	1084	29.5										
21000	715	17.4	741	18.2	768	19	795	19.9	849	21.5	901	23.3	951	25.1	1000	27	1047	28.9												
21500	731	18.6	756	19.5	783	20.3	809	21.1	862	22.9	913	24.7	962	26.5	1010	28.4														
22000	746	19.9	771	20.8	797	21.6	823	22.5	875	24.2	925	26.1	973	28	1020	29.9														
22500	762	21.3	787	22.2	812	23	837	23.9	888	25.7	937	27.5	985	29.5																
23000	778	22.7	802	23.6	826	24.5	851	25.4	901	27.2	949	29.1																		
23500	794	24.1	817	25.1	841	26	865	26.9	914	28.7																				
24000	810	25.7	833	26.6	856	27.6	880	28.5																						

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 20-18	Area 1	RPM < 561	**13.2**	12	4	2	-3	-7	-10	-17	-25
		562 <RPM< 1121	**13.0**	12	3	0	-3	-6	-9	-14	-22
		RPM > 1122	**11.6**	10	4	-1	-4	-4	-8	-13	-20
	Area 2	RPM < 561	**9.2**	7	-1	2	-3	-5	-9	-15	-23
		562 <RPM< 1121	**6.9**	4	-2	-4	-1	-5	-8	-13	-20
		RPM > 1122	**5.0**	1	-2	-6	-5	-4	-7	-11	-17
	Area 3	RPM < 561	**6.4**	3	-2	-1	-4	-5	-8	-11	-16
		562 <RPM< 1121	**5.9**	3	-2	-7	-4	-5	-6	-10	-15
		RPM > 1122	**4.9**	2	-4	-8	-7	-5	-6	-9	-12

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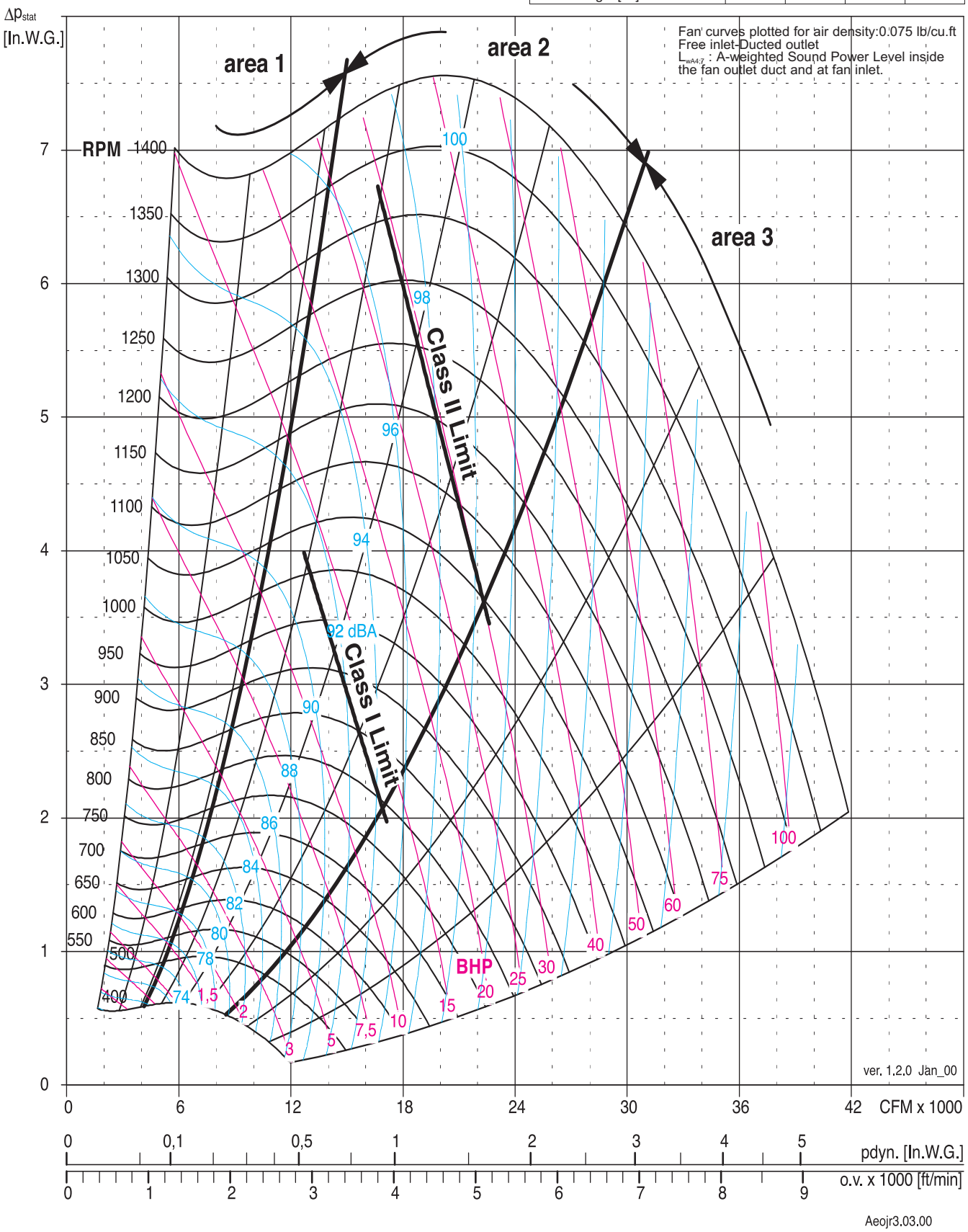
ATLI 20-20	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	1050	1050	1330
Fan Max BHP	-	13.5	20	30
Fan Outlet Area O.A. [ft^2]	4.38			
Fan weight [Lb]	-	158.73	204.3	221.15
Wheel diameter [in.]	19.69			
Wheel width [in.]	16.34			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	19.93	19.93	21.36
Wheel weight [Lb]	-	40.8	40.8	50.2



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ATLI 20-20 R / T1 / T2

Δp_{stat} [In.W.G]

V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			377	0.41	465	0.66	537	0.94	652	1.57																				
4000			366	0.52	458	0.8	535	1.11	658	1.81	758	2.58	843	3.42	919	4.33														
5000			360	0.67	448	0.98	525	1.32	654	2.07	759	2.91	849	3.82	929	4.79	1000	5.82	1066	6.89	1127	8.02	1184	9.18						
5500			360	0.77	444	1.09	520	1.44	650	2.22	757	3.09	849	4.03	931	5.04	1004	6.1	1071	7.21	1133	8.36	1191	9.56	1246	10.8	1297	12.1		
6000			362	0.87	442	1.21	515	1.57	644	2.38	753	3.28	847	4.25	930	5.29	1005	6.38	1074	7.53	1137	8.72	1196	9.95	1252	11.2	1304	12.6		
6500			366	0.99	441	1.34	512	1.72	639	2.55	749	3.48	844	4.48	929	5.55	1005	6.67	1075	7.85	1139	9.08	1199	10.4	1256	11.7	1309	13		
7000			372	1.13	442	1.49	510	1.88	634	2.74	743	3.69	840	4.72	925	5.82	1003	6.98	1074	8.19	1140	9.45	1201	10.8	1259	12.1	1313	13.5		
7500			378	1.27	445	1.66	509	2.06	630	2.95	738	3.92	835	4.98	921	6.11	1000	7.3	1072	8.54	1139	9.83	1201	11.2	1260	12.6	1315	14		
8000			385	1.44	449	1.84	510	2.26	626	3.17	733	4.18	829	5.26	916	6.41	996	7.63	1069	8.9	1137	10.2	1200	11.6	1260	13	1316	14.5		
8500			393	1.62	454	2.04	513	2.48	624	3.42	728	4.45	824	5.55	911	6.73	991	7.98	1065	9.28	1134	10.6	1198	12	1259	13.5	1316	15		
9000			402	1.82	460	2.25	516	2.71	624	3.68	725	4.74	819	5.87	906	7.08	986	8.35	1061	9.68	1130	11.1	1195	12.5	1256	14	1314	15.5		
9500	352	1.65	411	2.05	467	2.49	521	2.96	624	3.97	722	5.05	814	6.21	900	7.44	981	8.74	1055	10.1	1125	11.5	1191	13	1253	14.5	1312	16		
10000	364	1.89	420	2.29	475	2.75	527	3.24	626	4.28	721	5.39	811	6.57	896	7.83	975	9.15	1050	10.5	1120	12	1186	13.5	1249	15	1308	16.6		
10500	377	2.15	431	2.56	483	3.03	533	3.54	629	4.61	720	5.75	808	6.96	891	8.24	970	9.59	1045	11	1115	12.5	1181	14	1244	15.5	1304	17.2		
11000	390	2.44	441	2.85	491	3.33	540	3.86	632	4.96	721	6.14	806	7.38	888	8.68	965	10.1	1039	11.5	1110	13	1176	14.5	1239	16.1	1299	17.8		
11500	403	2.75	452	3.17	501	3.66	547	4.2	637	5.34	722	6.55	805	7.82	885	9.15	962	10.6	1035	12	1104	13.5	1171	15.1	1234	16.7	1294	18.4		
12000	416	3.09	463	3.52	510	4.02	555	4.57	642	5.74	725	6.98	805	8.28	883	9.65	958	11.1	1030	12.6	1099	14.1	1165	15.7	1228	17.3	1289	19		
12500	430	3.46	475	3.89	520	4.4	564	4.97	648	6.17	729	7.45	807	8.78	882	10.2	956	11.6	1026	13.1	1095	14.7	1160	16.3	1223	18	1283	19.7		
13000	444	3.86	487	4.3	530	4.82	573	5.39	654	6.63	733	7.93	808	9.3	882	10.7	954	12.2	1023	13.7	1091	15.3	1155	17	1218	18.7	1278	20.4		
13500	457	4.29	499	4.74	541	5.26	582	5.85	661	7.11	737	8.45	811	9.85	883	11.3	953	12.8	1021	14.4	1087	16	1151	17.7	1213	19.4	1273	21.1		
14000	472	4.75	511	5.21	552	5.74	592	6.33	669	7.62	743	9	815	10.4	885	11.9	953	13.5	1019	15.1	1084	16.7	1147	18.4	1208	20.1	1268	21.9	1325	23.8
14500	486	5.24	524	5.71	563	6.25	602	6.85	677	8.17	749	9.58	819	11.1	887	12.6	953	14.1	1019	15.8	1082	17.4	1144	19.1	1205	20.9	1263	22.7	1320	24.6
15000	500	5.77	537	6.25	574	6.8	612	7.41	685	8.75	755	10.2	823	11.7	890	13.2	955	14.8	1019	16.5	1081	18.2	1142	19.9	1201	21.7	1259	23.6	1316	25.5
15500	514	6.34	550	6.83	586	7.38	623	8	694	9.36	763	10.8	829	12.4	894	14	957	15.6	1019	17.3	1080	19	1140	20.8	1199	22.6	1256	24.5	1312	26.4
16000	529	6.94	563	7.44	598	8	634	8.62	703	10	770	11.5	835	13.1	898	14.7	960	16.4	1021	18.1	1080	19.8	1139	21.6	1197	23.5	1253	25.4	1308	27.3
16500	543	7.58	576	8.09	610	8.66	645	9.29	712	10.7	778	12.2	841	13.8	903	15.5	963	17.2	1023	18.9	1081	20.7	1139	22.5	1195	24.4	1251	26.3	1305	28.3
17000	558	8.26	590	8.78	623	9.36	656	9.99	722	11.4	786	13	848	14.6	908	16.3	967	18	1026	19.8	1083	21.6	1139	23.5	1194	25.4	1249	27.3	1302	29.3
17500	572	8.98	603	9.51	635	10.1	668	10.7	732	12.2	794	13.8	855	15.4	914	17.1	972	18.9	1029	20.7	1085	22.6	1140	24.5	1194	26.4	1248	28.4		
18000	587	9.74	617	10.3	648	10.9	679	11.5	742	13	803	14.6	862	16.3	920	18	977	19.8	1033	21.7	1088	23.6	1142	25.5	1195	27.5	1247	29.5		
19000	617	11.4	644	12	674	12.6	703	13.2	763	14.7	822	16.4	879	18.1	934	19.9	988	21.8	1042	23.7	1095	25.7	1147	27.7	1198	29.7				
20000	646	13.2	673	13.8	700	14.5	728	15.1	785	16.6	841	18.3	896	20.1	949	22	1002	23.9	1053	25.9	1104	27.9	1154	30						
21000	676	15.2	701	15.9	727	16.5	753	17.2	808	18.8	861	20.5	914	22.3	965	24.2	1016	26.2	1066	28.3										
21500	691	16.3	715	17	740	17.6	766	18.3	819	19.9	872	21.6	923	23.5	974	25.4	1024	27.5	1072	29.5										
22000	706	17.5	730	18.1	754	18.8	779	19.5	831	21.1	882	22.8	933	24.7	983	26.7	1032	28.7												
22500	721	18.7	744	19.3	768	20	792	20.7	843	22.3	893	24.1	943	26	992	28	1040	30.1												
23000	736	19.9	759	20.6	782	21.3	806	22	855	23.6	904	25.4	953	27.3	1001	29.3														
23500	751	21.2	773	21.9	796	22.6	819	23.3	867	24.9	915	26.7	963	28.7																
24000	766	22.5	788	23.3	810	24	833	24.7	879	26.3	927	28.1	974	30.1																
24500	782	23.9	802	24.7	824	25.4	846	26.2	892	27.8	938	29.6																		
25000	797	25.4	817	26.2	838	26.9	860	27.7	904	29.3																				
25500	812	26.9	832	27.7	852	28.5	873	29.2																						
26000	827	28.5	846	29.3	867	30.1																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 20-20	Area 1	RPM < 561	**13.2**	12	4	2	-3	-7	-10	-17	-24
		562 <RPM< 1121	**12.3**	11	4	0	-3	-6	-9	-14	-21
		RPM > 1122	**10.9**	9	4	-1	-4	-4	-8	-13	-22
	Area 2	RPM < 561	**10.0**	8	1	2	-3	-6	-9	-14	-21
		562 <RPM< 1121	**7.7**	5	1	-4	-3	-6	-8	-11	-16
		RPM > 1122	**5.3**	2	-2	-6	-6	-5	-7	-10	-16
	Area 3	RPM < 561	**8.5**	6	1	-1	-4	-5	-8	-10	-16
		562 <RPM< 1121	**8.0**	6	0	-5	-4	-6	-7	-9	-14
		RPM > 1122	**6.4**	4	-2	-7	-7	-5	-6	-8	-12

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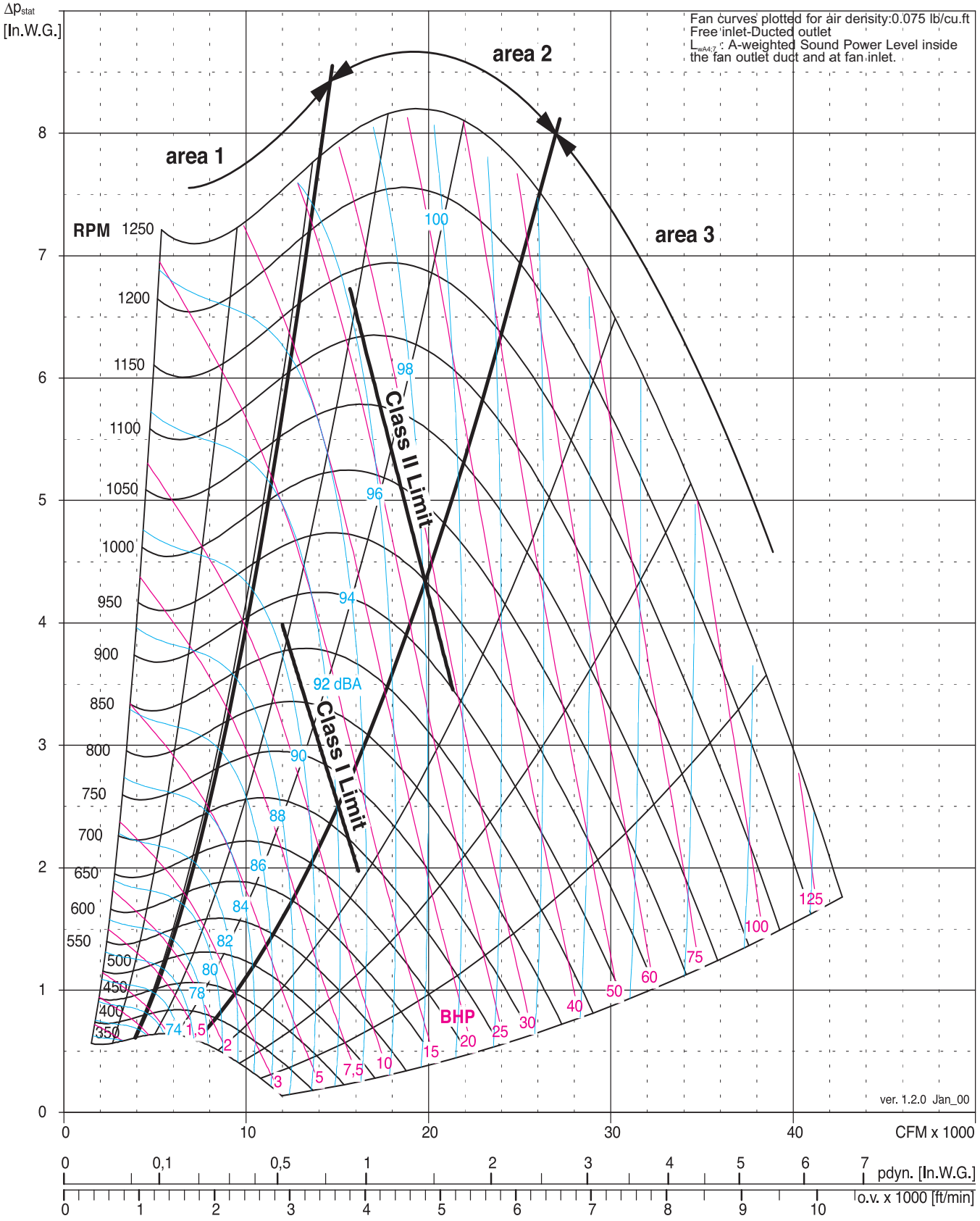
ATLI 22-15	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	975	975	1200
Fan Max BHP	-	16	20	33
Fan Outlet Area O.A. [ft^2]	4.13			
Fan weight [Lb]	-	197.2	252.45	304.46
Wheel diameter [in.]	22.05			
Wheel width [in.]	12.4			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	23	23	26.4
Wheel weight [Lb]	-	38.8	38.8	55.14



ATLI 22-15 R / T1 / T2

Δp_{stat} [In.W.G]																														
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			323	0.4	403	0.65	469	0.94	574	1.6	660	2.36																				
4000			312	0.5	392	0.77	460	1.08	572	1.78	663	2.59	742	3.47	811	4.44	873	5.47	931	6.56												
5000			309	0.67	381	0.95	448	1.27	562	2	658	2.85	740	3.78	812	4.79	878	5.87	938	7.01	994	8.2	1046	9.45	1095	10.8	1141	12.1				
5500			311	0.78	379	1.06	442	1.39	556	2.14	652	3	736	3.95	810	4.98	877	6.08	938	7.24	995	8.46	1048	9.74	1098	11.1	1146	12.4	1191	13.9		
6000			314	0.9	378	1.2	439	1.53	549	2.29	646	3.16	731	4.13	806	5.18	875	6.3	937	7.49	995	8.73	1049	10	1100	11.4	1148	12.8	1194	14.2		
6500			320	1.04	379	1.35	437	1.69	544	2.46	640	3.35	725	4.33	801	5.4	871	6.54	934	7.75	993	9.01	1048	10.3	1100	11.7	1149	13.1	1196	14.6		
7000			326	1.2	382	1.53	437	1.87	540	2.65	634	3.55	719	4.55	796	5.63	866	6.79	930	8.02	990	9.31	1046	10.7	1099	12.1	1149	13.5	1196	15		
7500			333	1.38	387	1.72	438	2.08	537	2.87	628	3.78	712	4.79	789	5.89	860	7.07	926	8.31	986	9.62	1043	11	1096	12.4	1147	13.9	1195	15.4		
8000			341	1.57	392	1.93	441	2.31	535	3.12	624	4.04	706	5.06	783	6.17	854	7.36	920	8.62	981	9.95	1039	11.3	1093	12.8	1144	14.3	1193	15.8		
9000			357	2.02	405	2.43	450	2.84	536	3.7	618	4.64	697	5.68	771	6.81	841	8.03	907	9.32	969	10.7	1028	12.1	1083	13.6	1135	15.1	1185	16.7		
9500	316	1.82	367	2.27	412	2.71	456	3.14	538	4.03	617	4.99	694	6.04	766	7.18	835	8.41	901	9.71	963	11.1	1021	12.5	1077	14	1130	15.6	1180	17.2		
10000	326	2.06	376	2.55	420	3.01	462	3.47	541	4.39	618	5.37	691	6.44	762	7.59	830	8.82	895	10.1	957	11.5	1015	13	1071	14.5	1124	16	1175	17.7		
10500	338	2.34	385	2.85	429	3.34	469	3.82	546	4.78	619	5.79	690	6.87	759	8.03	826	9.27	889	10.6	951	12	1009	13.4	1064	15	1118	16.6	1169	18.2		
11000	349	2.63	395	3.17	437	3.69	477	4.19	551	5.19	622	6.23	690	7.33	757	8.51	822	9.76	885	11.1	945	12.5	1003	14	1058	15.5	1111	17.1	1162	18.7		
11500	360	2.96	405	3.52	446	4.07	485	4.6	556	5.64	625	6.71	691	7.83	756	9.03	819	10.3	881	11.6	940	13	997	14.5	1052	16.1	1105	17.7	1156	19.3		
12000	372	3.31	416	3.9	456	4.47	493	5.03	563	6.12	629	7.22	693	8.37	756	9.58	818	10.9	877	12.2	936	13.6	992	15.1	1046	16.7	1099	18.3	1150	20	1199	21.7
12500	384	3.69	426	4.3	465	4.91	502	5.49	569	6.63	634	7.77	696	8.94	757	10.2	817	11.5	875	12.8	932	14.3	987	15.8	1041	17.3	1093	19	1144	20.6	1193	22.4
13000	396	4.1	437	4.74	475	5.37	510	5.98	577	7.17	639	8.35	700	9.56	759	10.8	817	12.1	874	13.5	929	15	984	16.5	1037	18	1088	19.7	1138	21.4	1187	23.1
13500	408	4.54	448	5.2	485	5.86	520	6.5	584	7.74	645	8.96	704	10.2	761	11.5	818	12.8	873	14.2	927	15.7	980	17.2	1032	18.8	1083	20.4	1133	22.1	1181	23.9
14000	420	5.01	459	5.69	495	6.38	529	7.05	592	8.34	652	9.61	709	10.9	765	12.2	820	13.6	873	15	926	16.5	978	18	1029	19.6	1079	21.2	1128	22.9	1176	24.7
14500	432	5.52	470	6.22	505	6.93	538	7.63	600	8.98	658	10.3	714	11.6	769	13	822	14.3	874	15.8	926	17.3	977	18.8	1027	20.4	1076	22.1	1124	23.8	1171	25.6
15000	444	6.06	481	6.78	515	7.52	548	8.25	609	9.65	666	11	720	12.4	773	13.8	825	15.2	876	16.6	927	18.1	976	19.7	1025	21.3	1073	23	1120	24.7	1167	26.5
15500	457	6.65	492	7.38	526	8.14	558	8.9	618	10.4	673	11.8	727	13.2	778	14.6	829	16	879	17.5	928	19.1	976	20.6	1024	22.3	1071	24	1117	25.7	1163	27.5
16000	469	7.26	503	8.01	537	8.8	568	9.59	627	11.1	681	12.6	733	14	784	15.5	833	17	882	18.5	930	20	977	21.6	1024	23.3	1070	25	1115	26.7	1160	28.5
16500	481	7.92	515	8.69	547	9.5	578	10.3	636	11.9	689	13.4	740	14.9	790	16.4	838	17.9	886	19.5	932	21	979	22.7	1024	24.3	1069	26	1114	27.8	1158	29.6
17000	494	8.62	527	9.4	558	10.2	589	11.1	645	12.7	698	14.3	748	15.8	796	17.4	843	18.9	890	20.5	936	22.1	981	23.7	1025	25.4	1069	27.2	1113	29	1156	30.8	1199	32.7
17500	507	9.35	538	10.2	569	11	599	11.9	654	13.6	706	15.2	755	16.8	803	18.4	849	20	895	21.6	939	23.2	983	24.9	1027	26.6	1070	28.4	1113	30.2	1155	32		
18000	520	10.1	550	11	580	11.8	610	12.7	664	14.5	715	16.2	763	17.8	810	19.4	855	21.1	900	22.7	944	24.4	987	26.1	1029	27.8	1072	29.6	1114	31.4		
18500	532	11	562	11.8	592	12.7	620	13.6	674	15.4	724	17.2	771	18.9	817	20.5	862	22.2	905	23.9	948	25.6	991	27.3	1032	29.1	1074	30.9	1115	32.7		
19000	545	11.8	574	12.7	603	13.6	631	14.5	684	16.4	733	18.2	780	19.9	825	21.7	869	23.4	911	25.1	953	26.9	995	28.6	1036	30.4	1076	32.2				
19500	558	12.8	586	13.6	614	14.5	642	15.5	694	17.4	742	19.3	788	21.1	833	22.9	876	24.6	918	26.4	959	28.2	999	30	1040	31.8						
20000	571	13.7	598	14.6	626	15.5	653	16.5	704	18.5	752	20.4	797	22.3	841	24.1	883	25.9	924	27.7	965	29.5	1005	31.4								
20500	584	14.7	611	15.6	638	16.6	664	17.6	714	19.6	761	21.6	806	23.5	849	25.4	891	27.2	931	29.1	971	31	1010	32.8								
21000	597	15.8	623	16.7	649	17.7	675	18.7	725	20.8	771	22.8	815	24.8	857	26.7	898	28.6	938	30.5	977	32.4										
21500	610	16.9	635	17.8	661	18.8	686	19.9	735	22	781	24.1	824	26.1	866	28.1	906	30.1	946	32												
22000	623	18.1	648	19	673	20	698	21.1	746	23.2	791	25.4	834	27.5	875	29.5	915	31.6														
22500	636	19.3	660	20.2	685	21.3	709	22.3	756	24.6	801	26.8	843	28.9	884	31																
23000	649	20.6	673	21.5	697	22.6	721	23.7	767	25.9	811	28.2	853	30.4	893	32.6																
23500	662	21.9	685	22.9	709	23.9	732	25	778	27.4	821	29.7	862	31.9																		
24000	675	23.3	698	24.3	721	25.3	744	26.5	789	28.8	831	31.2																				
24500	688	24.7	710	25.7	733	26.8	756	28	800	30.4	842	32.8																				
25000	701	26.3	723	27.2	745	28.3	767	29.5	811	32																						
25500	714	27.8	736	28.8	757	29.9	779	31.1																								
26000	728	29.5	749	30.5	770	31.6	791	32.8																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 22-15	Area 1	RPM < 507	**14.0**	13	4	2	-2	-6	-10	-16	-24
		508 <RPM< 1014	**12.1**	11	3	-3	-3	-5	-9	-12	-18
		RPM > 1015	**11.3**	10	3	-3	-4	-4	-8	-12	-17
	Area 2	RPM < 507	**9.6**	8	-2	0	-2	-5	-9	-13	-21
		508 <RPM< 1014	**6.0**	3	-1	-7	-5	-5	-6	-11	-16
		RPM > 1015	**5.0**	1	-2	-7	-6	-4	-6	-10	-14
	Area 3	RPM < 507	**5.3**	2	-3	-4	-5	-5	-8	-11	-16
		508 <RPM< 1014	**6.5**	4	-1	-6	-5	-6	-7	-9	-12
		RPM > 1015	**5.1**	2	-3	-8	-8	-5	-6	-8	-11

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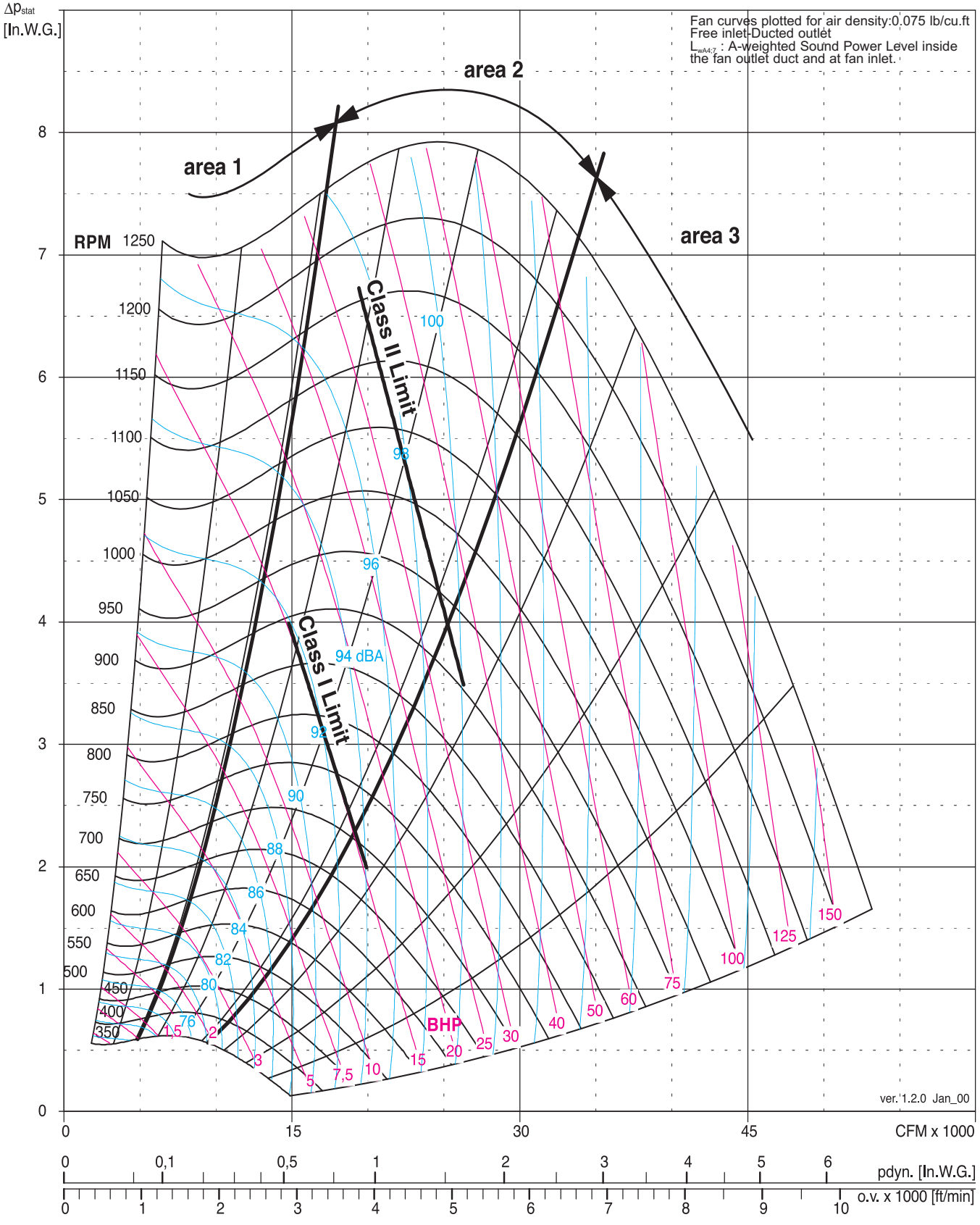
ATLI 22-20	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	975	975	1200
Fan Max BHP	-	16	20	36
Fan Outlet Area O.A. [ft^2]	5.11			
Fan weight [Lb]	-	214.27	269.54	323.7
Wheel diameter [in.]	22.05			
Wheel width [in.]	16.97			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	27.8	27.8	31.32
Wheel weight [Lb]	-	45.7	45.7	62



ATLI 22-20 R / T1 / T2

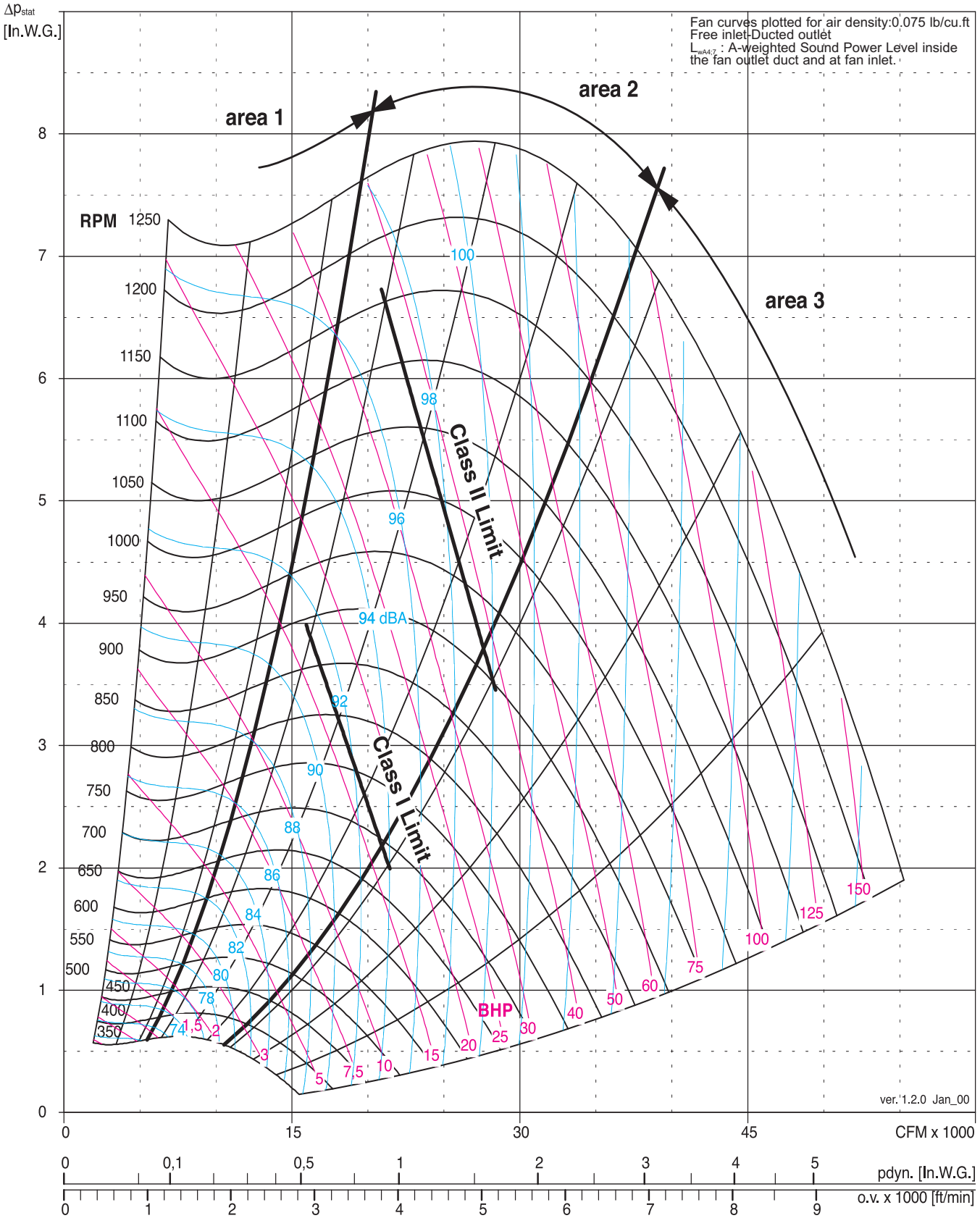
	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			333	0.43	410	0.72	472	1.05	574	1.79																				
4000			326	0.52	406	0.84	472	1.19	579	2	667	2.9	742	3.9																
5000			318	0.64	398	0.97	466	1.35	578	2.21	669	3.18	748	4.24	817	5.38	880	6.59	939	7.86										
5500			315	0.71	394	1.06	462	1.45	575	2.33	668	3.32	748	4.41	819	5.58	883	6.82	942	8.13	997	9.5	1048	10.9						
6000			314	0.8	390	1.15	458	1.55	572	2.46	666	3.48	748	4.59	820	5.79	885	7.06	945	8.4	1000	9.8	1052	11.3	1102	12.8	1148	14.4		
6500			314	0.89	387	1.26	454	1.66	568	2.59	664	3.64	746	4.78	819	6	885	7.3	946	8.67	1002	10.1	1055	11.6	1105	13.1	1152	14.8	1197	16.4	
7000			316	1	385	1.37	450	1.79	564	2.74	660	3.8	743	4.97	818	6.23	885	7.56	946	8.95	1004	10.4	1057	11.9	1108	13.5	1155	15.2			
7500			318	1.12	385	1.51	447	1.93	559	2.9	656	3.99	740	5.18	815	6.46	883	7.81	946	9.24	1004	10.7	1058	12.3	1109	13.9	1157	15.6			
8000			322	1.26	385	1.66	445	2.09	555	3.07	652	4.18	737	5.39	812	6.7	881	8.08	945	9.54	1003	11.1	1058	12.6	1110	14.3	1159	16			
8500			326	1.41	386	1.82	444	2.26	552	3.26	647	4.39	732	5.62	809	6.95	878	8.36	942	9.84	1002	11.4	1057	13	1110	14.7	1159	16.4			
9000			331	1.57	389	2	444	2.45	549	3.47	643	4.61	728	5.87	805	7.22	875	8.65	940	10.2	1000	11.7	1056	13.4	1109	15.1	1159	16.8			
9500			337	1.75	392	2.19	445	2.66	546	3.69	639	4.86	724	6.13	801	7.5	871	8.96	936	10.5	997	12.1	1054	13.8	1107	15.5	1158	17.3			
10000			343	1.94	396	2.4	447	2.88	545	3.94	636	5.12	719	6.41	796	7.8	867	9.28	933	10.8	994	12.5	1051	14.2	1105	15.9	1156	17.7			
10500			349	2.15	400	2.63	449	3.13	544	4.21	633	5.4	716	6.71	792	8.12	863	9.62	929	11.2	990	12.8	1048	14.6	1102	16.3	1154	18.2			
11000			356	2.37	405	2.87	453	3.39	544	4.49	631	5.71	712	7.03	788	8.46	858	9.97	924	11.6	986	13.2	1044	15	1099	16.8	1151	18.6			
11500	311	2.09	363	2.61	411	3.13	457	3.67	545	4.8	629	6.03	709	7.38	784	8.82	854	10.4	920	12	982	13.7	1040	15.4	1095	17.3	1148	19.1	1198	21.1	
12000	320	2.33	370	2.87	417	3.41	461	3.97	546	5.13	628	6.38	706	7.74	780	9.2	850	10.8	916	12.4	978	14.1	1036	15.9	1091	17.7	1144	19.6	1194	21.6	
12500	328	2.58	378	3.15	423	3.71	466	4.29	549	5.48	628	6.76	704	8.13	777	9.61	846	11.2	911	12.8	973	14.6	1032	16.4	1087	18.2	1140	20.2	1191	22.2	
13000	338	2.86	385	3.45	429	4.03	471	4.63	551	5.85	629	7.15	703	8.55	774	10.1	842	11.6	907	13.3	969	15.1	1027	16.9	1083	18.8	1136	20.7	1187	22.7	
14000	356	3.47	401	4.1	443	4.73	483	5.37	559	6.67	632	8.02	702	9.47	771	11	837	12.6	900	14.3	961	16.1	1019	18	1074	19.9	1127	21.9	1178	23.9	
15000	375	4.17	418	4.85	458	5.52	496	6.2	568	7.57	637	9	704	10.5	769	12.1	833	13.7	894	15.5	954	17.3	1011	19.2	1066	21.1	1119	23.2	1170	25.3	
16000	394	4.96	435	5.68	473	6.4	509	7.13	578	8.58	644	10.1	708	11.6	770	13.2	831	14.9	890	16.7	948	18.6	1004	20.5	1058	22.5	1110	24.6	1161	26.7	
16500	403	5.39	444	6.14	481	6.88	517	7.63	584	9.12	648	10.7	710	12.2	771	13.9	831	15.6	889	17.4	946	19.3	1001	21.2	1055	23.2	1107	25.3	1157	27.5	
17000	413	5.85	452	6.62	489	7.38	524	8.15	590	9.69	652	11.3	713	12.9	773	14.5	831	16.3	888	18.1	944	20	999	22	1052	24	1103	26.1	1153	28.2	
17500	423	6.34	461	7.13	497	7.91	531	8.7	596	10.3	657	11.9	717	13.5	775	15.2	832	17	888	18.8	943	20.8	997	22.7	1049	24.8	1100	26.9	1150	29.1	1198	31.3
18000	433	6.85	470	7.66	506	8.47	539	9.28	602	10.9	662	12.6	721	14.2	778	16	834	17.8	888	19.6	942	21.5	995	23.5	1047	25.6	1097	27.7	1146	29.9	1194	32.2
18500	442	7.39	479	8.22	514	9.06	547	9.89	609	11.6	668	13.2	725	15	781	16.7	835	18.6	889	20.4	942	22.4	994	24.4	1045	26.5	1095	28.6	1143	30.8	1191	33.1
19000	452	7.96	488	8.81	522	9.67	555	10.5	616	12.2	673	14	729	15.7	784	17.5	838	19.4	890	21.3	942	23.2	993	25.3	1043	27.4	1092	29.6	1141	31.8	1187	34.1
19500	462	8.56	498	9.44	531	10.3	563	11.2	623	13	679	14.7	734	16.5	788	18.3	840	20.2	892	22.2	943	24.2	993	26.2	1042	28.3	1091	30.5	1138	32.8	1185	35.1
20000	472	9.19	507	10.1	540	11	571	11.9	630	13.7	685	15.5	739	17.3	792	19.2	843	21.1	894	23.1	944	25.1	993	27.2	1042	29.3	1089	31.5	1136	33.8		
20500	482	9.85	516	10.8	548	11.7	579	12.6	637	14.5	692	16.3	744	18.2	796	20.1	847	22	896	24	945	26.1	994	28.2	1042	30.3	1088	32.6	1135	34.8		
21000	493	10.5	526	11.5	557	12.4	587	13.4	644	15.3	698	17.2	750	19.1	801	21	850	23	899	25	947	27.1	995	29.2	1042	31.4	1088	33.6	1133	35.9		
22000	513	12	545	13	575	14	604	15	659	17	712	19	762	21	811	23	859	25	906	27.1	952	29.2	998	31.4	1043	33.6	1088	35.9			
23000	533	13.6	564	14.7	593	15.7	622	16.7	675	18.8	726	20.9	774	23	822	25.1	868	27.2	913	29.3	958	31.5	1003	33.8								
24000	554	15.4	583	16.5	612	17.6	639	18.6	691	20.8	740	23	788	25.1	833	27.3	878	29.5	922	31.7	965	34										
25000	574	17.3	603	18.4	630	19.6	657	20.7	708	22.9	755	25.2	801	27.5	846	29.7	889	32	932	34.3												
25500	585	18.3	613	19.5	640	20.6	666	21.8	716	24.1	763	26.4	808	28.7	852	31	895	33.3	937	35.6												
26000	595	19.4	623	20.6	649	21.7	675	22.9	724	25.2	771	27.6	815	29.9	859	32.3	901	34.6														
26500	606	20.5	632	21.7	659	22.9	684	24.1	733	26.4	779	28.8	823	31.2	866	33.6																
27000	616	21.6	642	22.8	668	24	693	25.2	741	27.7	787	30.1	830	32.6	872	35																
27500	626	22.8	652	24	678	25.3	703	26.5	750	29	795	31.5	838	33.9																		
28000	637	24	662	25.3	687	26.5	712	27.8	758	30.3	803	32.8	845	35.4																		
28500	647	25.3	672	26.6	697	27.8	721	29.1	767	31.7	811	34.2																				
29000	658	26.6	683	27.9	707	29.2	730	30.5	776	33.1	819	35.7																				
29500	668	27.9	693	29.3	717	30.6	740	31.9	785	34.6																						
30000	679	29.3	703	30.7	726	32	749	33.4																								
30500	689	30.8	713	32.1	736	33.5	759	34.9																								
31000	700	32.3	723	33.7	746	35																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{wocl4} 63	ΔL_{wocl4} 125	ΔL_{wocl4} 250	ΔL_{wocl4} 500	ΔL_{wocl4} 1000	ΔL_{wocl4} 2000	ΔL_{wocl4} 4000	ΔL_{wocl4} 8000
ATLI 22-20	Area 1	RPM < 507	**12.2**	11	3	1	-3	-6	-9	-17	-26
		508 <RPM< 1014	**11.6**	10	4	-1	-3	-5	-9	-13	-21
		RPM > 1015	**10.8**	9	4	-2	-4	-4	-8	-12	-19
	Area 2	RPM < 507	**8.8**	7	-2	0	-3	-5	-8	-15	-24
		508 <RPM< 1014	**6.4**	3	0	-5	-3	-5	-8	-12	-17
		RPM > 1015	**5.1**	1	-1	-6	-6	-4	-7	-11	-14
	Area 3	RPM < 507	**5.6**	2	-3	-3	-4	-4	-8	-12	-18
		508 <RPM< 1014	**7.9**	6	-1	-5	-4	-6	-7	-10	-12
		RPM > 1015	**5.7**	3	-3	-7	-6	-5	-6	-9	-11

comefri

ATLI 22-22	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	950	950	1200
Fan Max BHP	-	16	20	40
Fan Outlet Area O.A. [ft^2]	5.5			
Fan weight [Lb]	-	220.8	276	331
Wheel diameter [in.]	22.05			
Wheel width [in.]	18.39			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	29.9	29.9	33.3
Wheel weight [Lb]	-	48.5	48.5	64.86



ATLI 22-22 R / T1 / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2000			329	0.4																										
3000			332	0.47	406	0.79	466	1.15																						
4000			327	0.55	406	0.9	469	1.29	573	2.17	658	3.18																		
5000			320	0.66	400	1.03	467	1.45	575	2.39	663	3.46	739	4.62	807	5.88	868	7.22												
6000			315	0.8	393	1.19	461	1.63	572	2.62	664	3.75	742	4.98	812	6.3	875	7.7	933	9.18	987	10.7	1038	12.4	1085	14				
7000			314	0.98	387	1.39	454	1.85	567	2.89	661	4.06	742	5.35	813	6.73	878	8.19	938	9.73	993	11.4	1045	13	1094	14.8	1140	16.6	1184	18.4		
8000			317	1.21	384	1.64	448	2.11	560	3.19	655	4.42	738	5.75	811	7.19	878	8.71	939	10.3	996	12	1049	13.7	1099	15.5	1146	17.4	1191	19.3		
9000			323	1.48	385	1.94	444	2.44	553	3.55	648	4.81	732	6.2	807	7.68	875	9.26	938	10.9	996	12.7	1050	14.5	1101	16.3	1149	18.3	1195	20.2		
10000			332	1.81	389	2.3	444	2.82	547	3.97	641	5.27	725	6.7	801	8.23	870	9.85	934	11.6	993	13.4	1048	15.2	1101	17.1	1150	19.1	1197	21.2		
11000			343	2.19	396	2.72	447	3.27	544	4.46	635	5.8	718	7.26	794	8.83	864	10.5	928	12.3	988	14.1	1045	16	1098	18	1148	20	1196	22.1		
12000			356	2.62	405	3.2	452	3.78	543	5.03	630	6.4	711	7.9	787	9.5	856	11.2	922	13	982	14.9	1040	16.9	1094	18.9	1145	21	1193	23.2		
13000	322	2.53	370	3.12	415	3.74	459	4.37	545	5.67	628	7.09	706	8.62	780	10.3	849	12	914	13.9	976	15.8	1033	17.8	1088	19.9	1140	22	1189	24.2		
13500	331	2.79	377	3.4	421	4.03	464	4.68	547	6.02	627	7.46	704	9.01	777	10.7	846	12.4	911	14.3	972	16.3	1030	18.3	1085	20.4	1137	22.6	1186	24.8		
14000	340	3.07	384	3.69	427	4.35	468	5.02	549	6.4	627	7.86	703	9.43	775	11.1	843	12.9	907	14.8	968	16.7	1026	18.8	1081	20.9	1134	23.1	1183	25.4		
14500	349	3.36	392	4	433	4.68	474	5.37	552	6.79	628	8.28	702	9.87	772	11.6	840	13.4	904	15.3	965	17.3	1023	19.3	1078	21.5	1130	23.7	1180	26		
15000	358	3.68	400	4.33	440	5.03	479	5.75	555	7.2	630	8.73	701	10.3	771	12.1	837	13.9	901	15.8	961	17.8	1019	19.9	1074	22	1127	24.3	1177	26.6		
15500	367	4.02	408	4.68	447	5.4	485	6.14	559	7.64	631	9.19	701	10.8	769	12.6	835	14.4	898	16.3	958	18.4	1015	20.5	1070	22.7	1123	24.9	1173	27.2		
16000	376	4.39	416	5.06	454	5.8	491	6.55	563	8.09	633	9.68	702	11.4	769	13.1	833	15	895	16.9	955	19	1012	21.1	1067	23.3	1119	25.6	1170	27.9		
16500	386	4.77	424	5.45	461	6.21	497	6.99	568	8.57	636	10.2	703	11.9	768	13.7	832	15.5	893	17.5	952	19.6	1009	21.7	1063	23.9	1116	26.2	1166	28.6		
17000	395	5.18	432	5.87	469	6.65	504	7.44	572	9.07	639	10.7	704	12.5	768	14.3	831	16.2	891	18.1	949	20.2	1006	22.4	1060	24.6	1112	26.9	1162	29.3		
17500	404	5.62	441	6.31	476	7.1	511	7.92	577	9.59	643	11.3	706	13.1	769	14.9	830	16.8	889	18.8	947	20.9	1003	23.1	1057	25.3	1109	27.7	1159	30.1		
18000	414	6.07	449	6.78	484	7.58	517	8.42	583	10.1	646	11.9	709	13.7	770	15.5	830	17.5	888	19.5	945	21.6	1000	23.8	1054	26.1	1105	28.4	1155	30.8		
18500	423	6.56	458	7.27	492	8.09	525	8.95	588	10.7	651	12.5	711	14.3	771	16.2	830	18.2	888	20.2	944	22.3	998	24.6	1051	26.8	1102	29.2	1152	31.7		
19000	433	7.07	467	7.79	500	8.62	532	9.5	594	11.3	655	13.1	715	15	773	16.9	831	18.9	887	21	942	23.1	996	25.3	1049	27.7	1099	30	1149	32.5	1197	35
19500	443	7.62	476	8.33	508	9.18	539	10.1	600	11.9	660	13.8	718	15.7	775	17.6	832	19.7	887	21.8	942	23.9	995	26.2	1046	28.5	1097	30.9	1146	33.4	1194	35.9
20000	452	8.19	484	8.9	516	9.76	547	10.7	606	12.6	665	14.5	722	16.4	778	18.4	833	20.5	888	22.6	941	24.8	993	27	1045	29.4	1095	31.8	1143	34.3	1191	36.8
21000	472	9.42	502	10.1	533	11	562	12	619	13.9	675	15.9	730	18	784	20	837	22.1	890	24.3	941	26.5	992	28.8	1042	31.2	1091	33.7	1138	36.2	1185	38.8
22000	491	10.8	521	11.5	550	12.4	578	13.4	633	15.4	687	17.5	739	19.6	791	21.7	842	23.9	893	26.2	943	28.4	992	30.8	1040	33.2	1088	35.7	1135	38.3		
23000	511	12.3	539	13	567	13.9	594	14.9	647	17	699	19.2	750	21.4	800	23.6	849	25.8	898	28.1	946	30.5	993	32.9	1040	35.4	1087	37.9				
24000	531	13.9	558	14.6	585	15.5	611	16.5	662	18.7	712	21	761	23.3	809	25.6	857	27.9	904	30.3	950	32.7	996	35.1	1042	37.7						
25000	551	15.6	577	16.3	602	17.3	628	18.3	677	20.6	725	22.9	773	25.3	819	27.7	865	30.1	911	32.5	956	35	1000	37.5								
26000	571	17.5	596	18.2	620	19.2	645	20.2	693	22.6	739	25	785	27.4	830	29.9	875	32.4	919	34.9	962	37.5										
26500	581	18.6	605	19.2	630	20.2	654	21.3	701	23.6	747	26.1	792	28.6	836	31.1	880	33.6	923	36.2	966	38.8										
27000	591	19.6	615	20.3	639	21.2	662	22.3	709	24.7	754	27.2	798	29.7	842	32.3	885	34.9	927	37.5												
27500	601	20.7	625	21.4	648	22.3	671	23.4	717	25.8	761	28.3	805	30.9	848	33.5	890	36.1	932	38.8												
28000	611	21.8	634	22.5	657	23.4	680	24.5	725	26.9	769	29.5	812	32.1	854	34.8	896	37.5														
28500	621	23	644	23.7	666	24.6	689	25.7	733	28.1	776	30.7	819	33.4	860	36.1	901	38.8														
29000	631	24.2	654	24.9	676	25.8	698	26.9	741	29.4	784	32	826	34.7	867	37.5																
29500	641	25.5	663	26.1	685	27.1	707	28.2	750	30.6	792	33.3	833	36.1	873	38.8																
30000	651	26.8	673	27.4	695	28.4	716	29.5	758	32	800	34.7	840	37.4																		
30500	662	28.1	683	28.8	704	29.7	725	30.8	767	33.3	808	36	847	38.9																		
31000	672	29.5	693	30.1	714	31.1	734	32.2	775	34.7	815	37.5																				
31500	682	30.9	703	31.6	723	32.5	743	33.6	784	36.2	823	38.9																				
32000	692	32.4	712	33.1	733	34	753	35.1	793	37.6																						
32500	702	34	722	34.6	742	35.5	762	36.6	801	39.2																						
33000	713	35.5	732	36.1	752	37.1	771	38.2																								
33500	723	37.2	742	37.8	761	38.7	781	39.8																								
34000	733	38.8	752	39.4																												

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{wocl4} 63	ΔL_{wocl4} 125	ΔL_{wocl4} 250	ΔL_{wocl4} 500	ΔL_{wocl4} 1000	ΔL_{wocl4} 2000	ΔL_{wocl4} 4000	ΔL_{wocl4} 8000
ATLI 22-22	Area 1	RPM < 507	**13.3**	12	5	2	-3	-7	-10	-17	-25
		508 <RPM< 1014	**11.8**	10	5	0	-3	-6	-9	-14	-22
		RPM > 1015	**10.9**	9	4	-1	-4	-5	-8	-13	-21
	Area 2	RPM < 507	**10.3**	8	2	3	-3	-7	-9	-14	-24
		508 <RPM< 1014	**8.0**	5	2	-4	-2	-5	-8	-12	-16
		RPM > 1015	**5.9**	2	0	-5	-5	-4	-7	-11	-14
	Area 3	RPM < 507	**8.0**	5	1	0	-4	-6	-8	-11	-17
		508 <RPM< 1014	**9.7**	8	2	-4	-3	-6	-7	-10	-12
		RPM > 1015	**6.6**	4	-1	-6	-6	-5	-6	-9	-11

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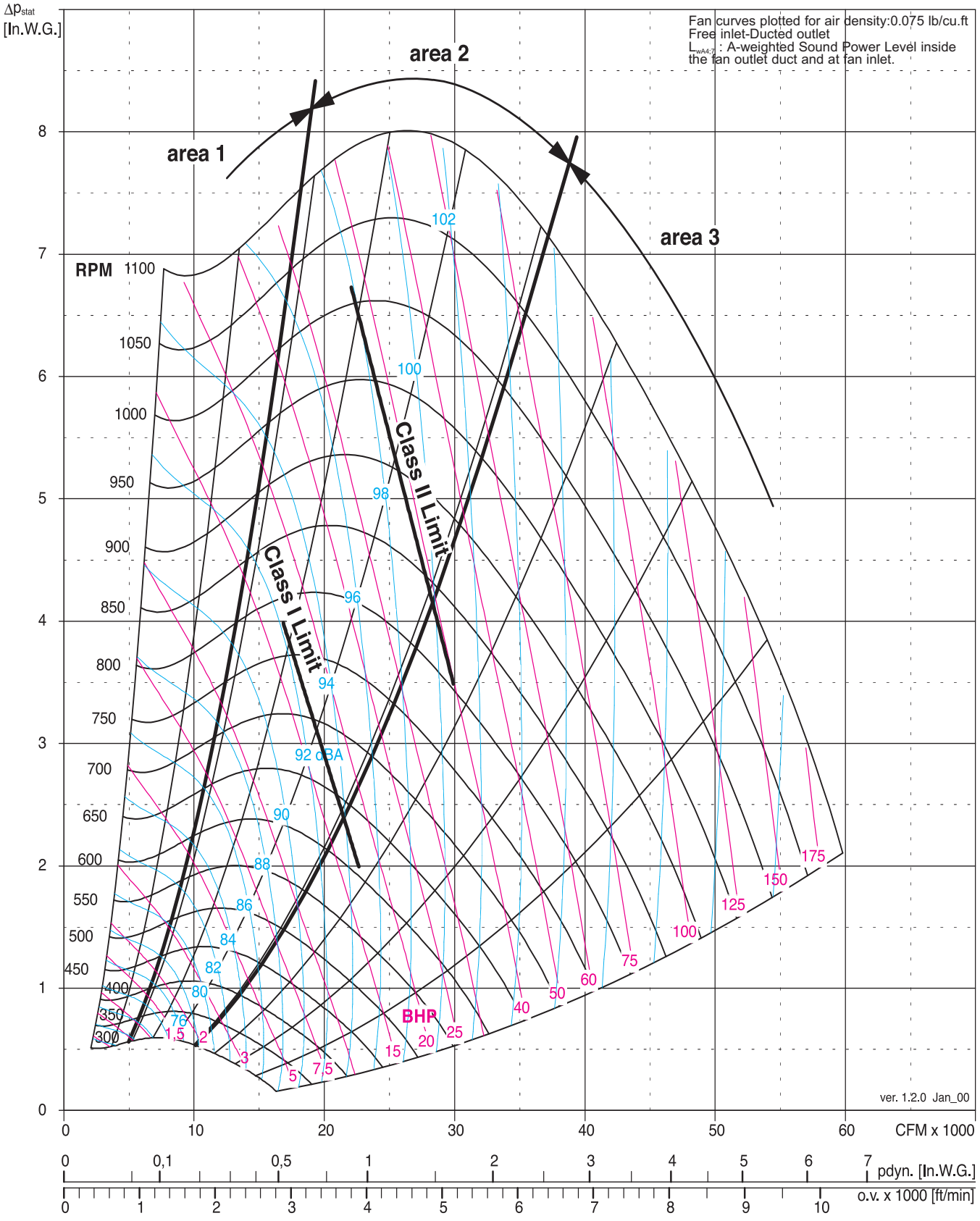
ATLI 25-20	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	875	875	1025
Fan Max BHP	-	16	22	40
Fan Outlet Area O.A. [ft^2]	5.81			
Fan weight [Lb]	-	254.2	344.3	398.62
Wheel diameter [in.]	24.8			
Wheel width [in.]	16.97			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	44.5	48.5	49.6
Wheel weight [Lb]	-	58.3	73.57	74.67



ATLI 25-20 R / T1 / T2

Δp_{stat} [In.W.G]																										
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			297	0.44	365	0.73	420	1.06																						
4000			289	0.51	362	0.84	421	1.2	515	2.02	592	2.95																		
5000			281	0.62	354	0.96	415	1.35	515	2.22	596	3.21	665	4.29	726	5.46	782	6.7												
6000			276	0.76	345	1.11	406	1.52	509	2.44	593	3.48	666	4.62	729	5.85	787	7.15	839	8.52	889	9.96	934	11.5	978	13				
7000			275	0.93	339	1.31	398	1.73	501	2.69	588	3.78	662	4.97	728	6.25	788	7.61	842	9.04	893	10.5	940	12.1	984	13.7				
8000			279	1.14	337	1.55	392	1.99	492	2.99	579	4.12	655	5.35	723	6.68	785	8.1	841	9.58	893	11.1	942	12.8	987	14.4				
9000			285	1.4	338	1.84	389	2.31	484	3.34	570	4.5	647	5.78	716	7.15	779	8.62	837	10.2	890	11.8	940	13.4	987	15.2				
9500			288	1.54	340	2	389	2.48	481	3.54	566	4.72	642	6.01	712	7.41	775	8.89	834	10.5	888	12.1	938	13.8	986	15.5				
10000			292	1.69	342	2.17	389	2.67	479	3.75	562	4.95	638	6.26	707	7.68	771	9.18	830	10.8	885	12.4	936	14.1	984	15.9				
10500			297	1.86	345	2.36	391	2.88	477	3.98	558	5.2	633	6.53	703	7.96	767	9.48	826	11.1	881	12.8	933	14.5	981	16.3				
11000			301	2.04	348	2.56	392	3.09	476	4.22	555	5.46	629	6.81	698	8.26	762	9.8	822	11.4	877	13.1	929	14.9	978	16.7				
12000			311	2.43	356	3	398	3.57	476	4.76	551	6.05	622	7.43	690	8.92	753	10.5	813	12.2	868	13.9	921	15.7	971	17.6	1018	19.5		
12500			316	2.65	360	3.24	401	3.83	477	5.06	550	6.37	620	7.77	686	9.27	749	10.9	808	12.6	864	14.3	917	16.2	967	18.1	1015	20		
13000			321	2.88	364	3.49	404	4.11	479	5.37	550	6.71	618	8.13	683	9.65	745	11.3	804	13	859	14.7	912	16.6	963	18.5	1010	20.5		
13500	277	2.52	326	3.12	369	3.76	408	4.4	481	5.7	550	7.07	616	8.52	680	10.1	741	11.7	799	13.4	855	15.2	908	17.1	958	19	1006	21		
14000	283	2.76	331	3.39	374	4.04	412	4.7	483	6.05	550	7.45	615	8.92	677	10.5	738	12.1	795	13.9	851	15.7	903	17.6	953	19.5	1001	21.6		
14500	290	3.03	337	3.67	379	4.34	416	5.03	486	6.41	551	7.84	615	9.34	676	10.9	735	12.6	792	14.3	846	16.2	899	18.1	949	20.1	997	22.1		
15000	297	3.31	343	3.96	384	4.66	421	5.37	489	6.8	553	8.26	615	9.79	674	11.4	732	13.1	788	14.9	842	16.7	894	18.6	944	20.6	992	22.7		
15500	304	3.6	348	4.28	389	4.99	425	5.72	492	7.2	555	8.7	615	10.3	674	11.9	730	13.6	785	15.4	839	17.3	890	19.2	940	21.2	988	23.3		
16000	311	3.92	354	4.61	394	5.34	430	6.1	496	7.61	557	9.15	616	10.8	673	12.4	729	14.1	783	15.9	836	17.8	887	19.8	936	21.8	983	23.9		
16500	318	4.26	360	4.96	399	5.72	435	6.49	500	8.05	560	9.63	617	11.3	673	12.9	728	14.7	781	16.5	833	18.4	883	20.4	932	22.5	979	24.6		
17000	325	4.61	366	5.33	404	6.11	440	6.9	504	8.5	563	10.1	619	11.8	674	13.5	727	15.3	780	17.1	830	19.1	880	21.1	928	23.1	975	25.3	1021	27.5
17500	332	4.99	372	5.73	410	6.51	445	7.33	508	8.98	566	10.7	621	12.4	675	14.1	727	15.9	778	17.8	828	19.7	877	21.7	925	23.8	971	26	1017	28.2
18000	340	5.39	378	6.14	415	6.94	450	7.78	512	9.48	569	11.2	623	12.9	676	14.7	727	16.6	778	18.5	827	20.4	875	22.4	922	24.5	968	26.7	1013	29
18500	347	5.81	384	6.58	421	7.4	455	8.25	517	9.99	573	11.8	626	13.5	678	15.3	728	17.2	777	19.1	826	21.1	873	23.2	919	25.3	965	27.5	1009	29.7
19000	355	6.25	390	7.03	427	7.87	460	8.75	521	10.5	577	12.3	629	14.2	680	16	729	17.9	777	19.9	825	21.9	872	23.9	917	26.1	962	28.3	1006	30.6
20000	370	7.2	403	8.02	438	8.89	471	9.8	531	11.7	585	13.6	635	15.5	684	17.4	732	19.4	779	21.4	825	23.4	870	25.6	914	27.8	957	30	1000	32.3
21000	385	8.25	417	9.11	450	10	482	11	540	12.9	593	14.9	643	16.9	690	18.9	736	20.9	781	23	825	25.1	869	27.3	912	29.5	954	31.8	996	34.2
22000	401	9.4	430	10.3	462	11.2	493	12.2	550	14.2	602	16.3	651	18.4	697	20.5	741	22.6	785	24.8	828	26.9	870	29.2	912	31.5	952	33.8	993	36.2
23000	416	10.7	444	11.6	475	12.6	505	13.6	561	15.7	612	17.8	659	20	704	22.2	747	24.4	790	26.6	831	28.9	872	31.2	912	33.5	952	35.9	991	38.3
23500	424	11.3	452	12.3	481	13.3	511	14.3	566	16.4	617	18.6	663	20.8	708	23.1	751	25.3	792	27.6	833	29.9	874	32.2	913	34.6	952	37	991	39.5
24000	432	12	459	13	488	14	517	15	571	17.2	621	19.4	668	21.7	712	24	754	26.3	795	28.6	836	30.9	875	33.3	914	35.7	953	38.1		
25000	449	13.5	473	14.5	501	15.5	529	16.6	582	18.9	632	21.2	677	23.5	720	25.9	762	28.3	802	30.7	841	33.1	879	35.5	917	38				
26000	465	15.1	488	16.2	514	17.2	541	18.3	594	20.6	642	23	687	25.5	729	27.9	770	30.4	809	32.9	847	35.4	885	37.9						
27000	481	16.8	503	17.9	528	19	554	20.2	605	22.5	652	25	696	27.5	738	30.1	778	32.6	816	35.2	854	37.8								
28000	497	18.7	518	19.8	542	21	567	22.1	616	24.6	663	27.1	707	29.7	748	32.4	787	35	824	37.6										
28500	505	19.6	526	20.8	549	22	573	23.1	622	25.6	668	28.2	712	30.9	752	33.5	791	36.2	829	38.9										
29000	513	20.6	534	21.8	556	23	580	24.2	628	26.7	674	29.3	717	32	757	34.7	796	37.5												
29500	522	21.7	542	22.9	564	24.1	587	25.3	634	27.8	679	30.5	722	33.2	762	36	800	38.8												
30000	530	22.7	549	24	571	25.2	594	26.5	640	29	685	31.7	727	34.5	767	37.3														
30500	538	23.9	557	25.1	578	26.4	600	27.6	646	30.2	691	32.9	733	35.8	772	38.6														
31000	546	25	565	26.3	585	27.6	607	28.8	652	31.5	696	34.2	738	37.1	777	39.9														
31500	555	26.2	573	27.5	593	28.8	614	30.1	659	32.7	702	35.5	743	38.4																
32000	563	27.4	581	28.8	600	30.1	621	31.4	665	34.1	708	36.9	749	39.8																
32500	571	28.7	589	30.1	608	31.4	628	32.7	671	35.4	714	38.3																		
33000	579	30	597	31.4	615	32.7	635	34.1	677	36.8	720	39.7																		
33500	588	31.3	604	32.7	623	34.1	642	35.5	684	38.3																				
34000	596	32.7	613	34.2	630	35.5	650	36.9	690	39.7																				
34500	604	34.1	620	35.6	638	37	657	38.4																						
35000	613	35.6	628	37.1	646	38.5	664	39.9																						

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 25-20	Area 1	RPM < 284	**12.1**	10	5	4	-5	-8	-13	-20	-26
		285 <RPM< 561	**12.0**	10	3	5	-4	-8	-12	-17	-24
		RPM > 562	**11.8**	10	5	0	-3	-6	-9	-14	-20
	Area 2	RPM < 284	**10.4**	8	3	3	-4	-7	-12	-20	-24
		285 <RPM< 561	**10.2**	8	0	4	-4	-7	-11	-16	-18
		RPM > 562	**7.7**	5	0	-3	-2	-5	-8	-12	-17
	Area 3	RPM < 284	**8.0**	4	2	1	-3	-5	-9	-15	-20
		285 <RPM< 561	**7.2**	4	-1	0	-5	-4	-9	-12	-16
		RPM > 562	**8.9**	7	1	-4	-3	-5	-7	-11	-13

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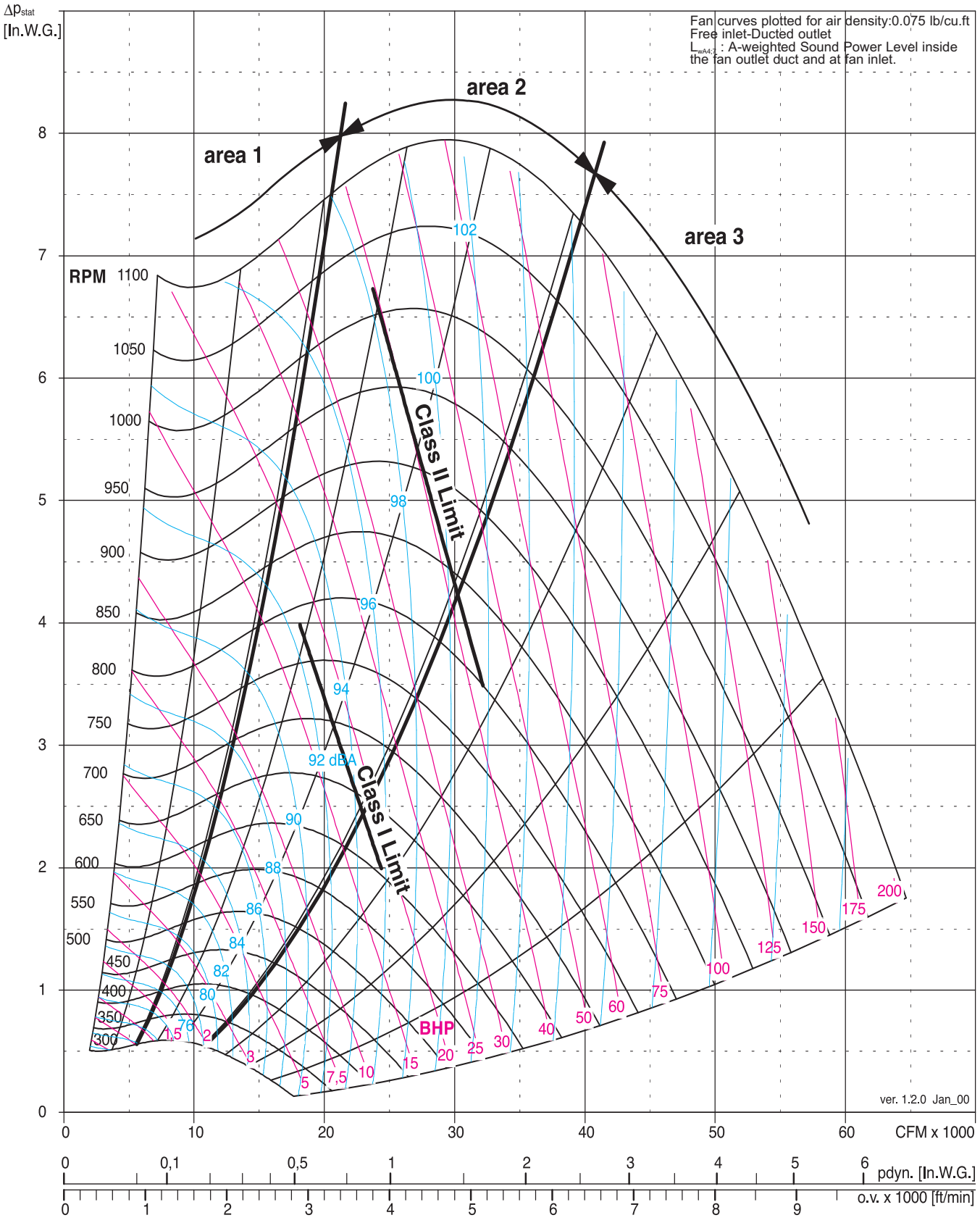
ATLI 25-22	B	R	T1	T2
Fan Max RPM [min-1]	-	875	875	1025
Fan Max BHP	-	16	22	45
Fan Outlet Area O.A. [ft2]	6.25			
Fan weight [Lb]	-	259.84	352.65	410
Wheel diameter [in.]	24.8			
Wheel width [in.]	18.7			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft2]	-	48	52	53.16
Wheel weight [Lb]	-	62.35	77.6	78.7



ATLI 25-22 R / T1 / T2

Δp_{stat} [In.W.G]																														
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000			299	0.5	367	0.8	422	1.1	513	2																				
4000			294	0.5	365	0.9	423	1.3	518	2.1	596	3.1	663	4.2																
5000			286	0.6	359	1	420	1.4	519	2.3	599	3.4	668	4.5	730	5.8	786	7.1	838	8.5										
6000			279	0.7	351	1.1	413	1.6	515	2.5	598	3.6	670	4.9	733	6.2	791	7.5	844	9	893	11								
7000			276	0.9	344	1.3	405	1.7	509	2.8	594	3.9	668	5.2	733	6.5	793	8	847	9.5	898	11	945	13	990	15				
8000			277	1.1	340	1.5	398	2	501	3	588	4.2	663	5.5	731	6.9	791	8.4	847	10	899	12	947	13	993	15				
9000			280	1.3	338	1.8	393	2.2	493	3.3	580	4.6	657	5.9	725	7.4	787	8.9	844	11	897	12	947	14	994	16				
10000			286	1.6	339	2.1	390	2.6	486	3.7	572	4.9	649	6.3	719	7.8	782	9.4	840	11	894	13	944	15	992	17				
11000			293	1.9	343	2.4	391	2.9	481	4.1	565	5.4	641	6.8	711	8.4	775	10	834	12	889	14	940	15	988	17				
12000			301	2.3	348	2.8	393	3.4	479	4.6	559	5.9	634	7.4	703	8.9	767	11	826	12	882	14	934	16	983	18				
13000			311	2.7	355	3.2	397	3.8	478	5.1	555	6.5	627	8	695	9.6	759	11	818	13	874	15	927	17	977	19				
14000	274	2.5	321	3.1	363	3.7	403	4.4	479	5.7	552	7.1	622	8.6	689	10	751	12	811	14	866	16	919	18	970	20	1017	22		
15000	286	3	331	3.6	372	4.3	410	5	482	6.4	552	7.8	619	9.4	683	11	744	13	803	15	858	17	911	19	962	21	1010	23		
16000	299	3.5	342	4.2	381	4.9	418	5.7	487	7.1	553	8.6	617	10	679	12	739	14	796	16	851	18	903	20	954	22	1002	24		
17000	312	4.1	353	4.8	391	5.6	426	6.4	493	7.9	556	9.5	617	11	677	13	734	15	790	17	844	19	896	21	946	23	994	25		
18000	325	4.8	365	5.6	402	6.4	436	7.2	499	8.8	560	10	619	12	676	14	732	16	786	18	838	20	889	22	938	24	986	27		
18500	332	5.1	371	5.9	407	6.8	440	7.6	503	9.3	562	11	620	13	676	15	731	16	784	18	836	20	886	23	935	25	982	27		
19000	339	5.5	377	6.3	412	7.2	445	8	507	9.8	565	11	621	13	676	15	730	17	783	19	834	21	884	23	932	26	979	28		
20000	353	6.4	389	7.2	423	8.1	455	9	515	11	571	13	625	14	678	16	730	18	781	20	831	23	879	25	926	27	973	29	1017	32
20500	360	6.8	396	7.7	429	8.6	461	9.5	519	11	575	13	628	15	680	17	731	19	780	21	829	23	877	25	924	28	970	30	1014	33
21000	367	7.3	402	8.1	435	9.1	466	10	524	12	578	14	630	16	681	18	731	20	780	22	829	24	876	26	922	29	967	31	1011	33
22000	381	8.3	415	9.2	447	10	477	11	533	13	586	15	636	17	686	19	734	21	781	23	828	26	874	28	919	30	963	33	1006	35
23000	395	9.4	428	10	459	11	488	12	543	14	594	16	643	19	691	21	737	23	783	25	828	27	873	30	916	32	959	34	1001	37
24000	409	11	441	12	471	13	499	14	553	16	602	18	650	20	696	22	742	25	786	27	830	29	873	31	915	34	957	36	998	39
24500	417	11	447	12	477	13	505	14	558	17	607	19	654	21	700	23	744	25	788	28	831	30	873	32	915	35	956	37	997	40
25000	424	12	454	13	483	14	511	15	563	17	612	20	658	22	703	24	747	26	790	29	832	31	874	33	915	36	956	39	996	41
26000	438	13	467	14	496	15	523	17	574	19	621	21	666	24	710	26	753	28	795	31	836	33	876	36	916	38	956	41	995	43
27000	453	15	481	16	508	17	535	18	585	21	631	23	675	25	718	28	759	30	800	33	840	35	879	38	918	40	957	43		
28000	468	17	495	18	521	19	547	20	596	22	641	25	684	27	726	30	766	32	806	35	845	38	883	40	921	43				
28500	475	17	502	18	528	20	553	21	601	23	646	26	689	28	730	31	770	34	809	36	848	39	885	41	923	44				
29000	483	18	509	19	534	20	559	22	607	24	651	27	694	30	734	32	774	35	813	37	851	40	888	43						
30000	498	20	523	21	548	22	572	24	619	26	662	29	704	32	743	34	782	37	820	40	857	43								
30500	505	21	530	22	554	23	578	25	624	27	667	30	709	33	748	36	786	38	823	41	860	44								
31000	513	22	537	23	561	24	585	26	630	28	673	31	714	34	753	37	790	40	827	42										
31500	520	23	544	24	568	25	591	27	636	30	679	32	719	35	757	38	795	41	831	44										
32000	528	24	551	25	575	27	598	28	642	31	684	34	724	36	762	39	799	42												
32500	535	26	558	27	581	28	604	29	648	32	690	35	729	38	767	41	804	44												
33000	543	27	565	28	588	29	611	30	654	33	695	36	735	39	772	42														
33500	550	28	573	29	595	30	617	31	660	34	701	37	740	40	777	43														
34000	558	29	580	30	602	31	624	33	666	36	707	39	745	42	782	45														
34500	565	30	587	31	609	33	630	34	673	37	713	40	751	43																
35000	573	32	594	33	616	34	637	35	679	38	718	41	756	45																
35500	580	33	602	34	623	35	644	37	685	40	724	43																		
36000	588	34	609	36	630	37	651	38	691	41	730	44																		
36500	596	36	616	37	637	38	657	40	698	43																				
37000	603	37	623	38	644	40	664	41	704	44																				
37500	611	39	631	40	651	41	671	43																						
38000	619	40	638	41	658	43	678	44																						
38500	626	42	645	43	665	44																								
39000	634	44	653	45																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 25-22	Area 1	RPM < 284	**13.8**	12	7	4	-4	-7	-12	-20	-26
		285 <RPM< 561	**14.3**	13	6	3	-3	-7	-11	-17	-24
		RPM > 562	**12.7**	11	6	0	-3	-6	-9	-14	-20
	Area 2	RPM < 284	**11.0**	9	4	1	-3	-7	-11	-18	-22
		285 <RPM< 561	**10.8**	9	2	2	-3	-6	-9	-15	-19
		RPM > 562	**8.4**	6	1	-3	-2	-5	-9	-12	-16
	Area 3	RPM < 284	**7.6**	4	1	0	-3	-5	-9	-14	-20
		285 <RPM< 561	**7.6**	5	0	-2	-5	-4	-9	-11	-16
		RPM > 562	**9.8**	8	2	-3	-3	-6	-8	-11	-12

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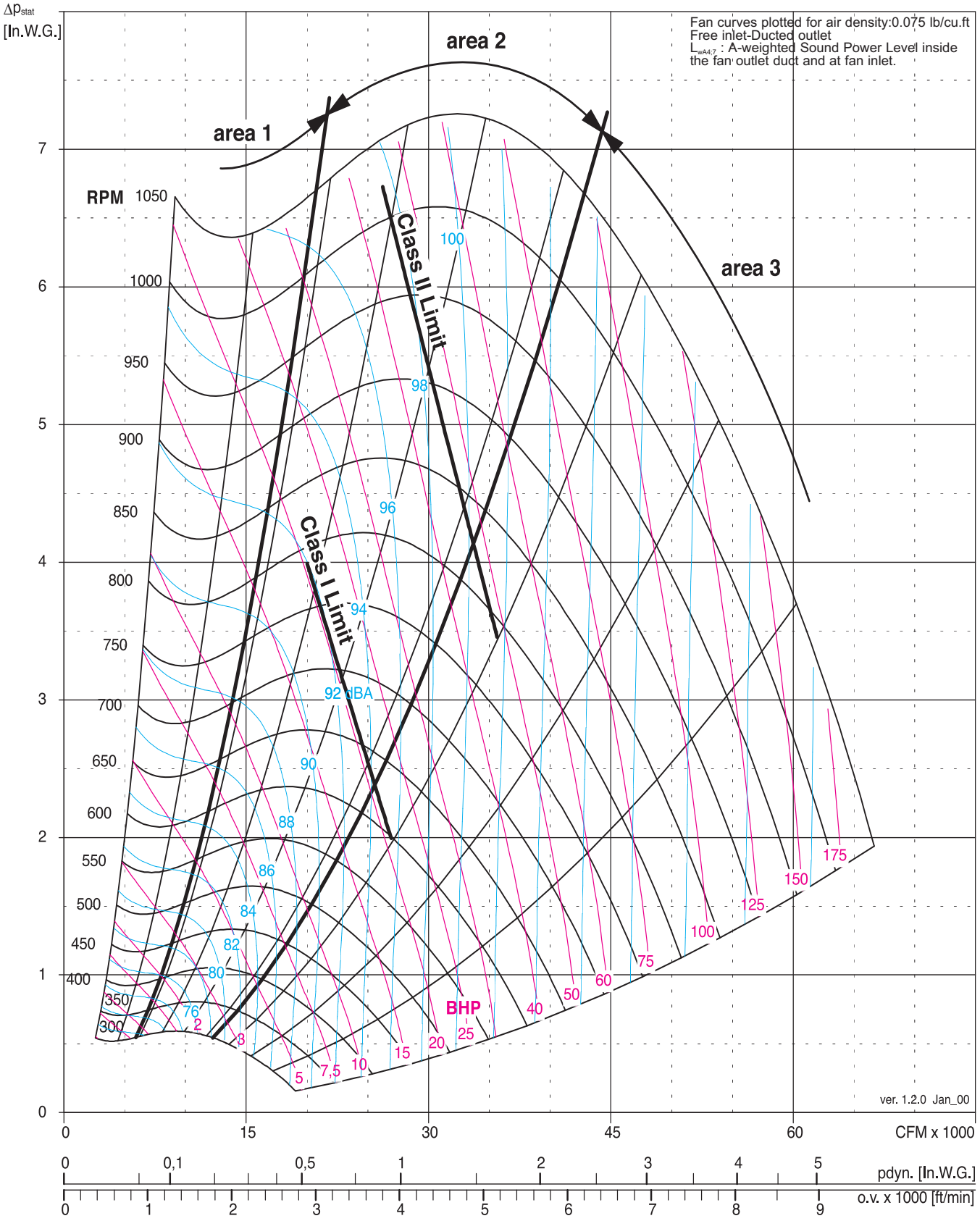
ATLI 25-25	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	850	850	1025
Fan Max BHP	-	16	23	50
Fan Outlet Area O.A. [ft^2]	6.9			
Fan weight [Lb]	-	272.5	365.77	424.48
Wheel diameter [in.]	24.8			
Wheel width [in.]	20.35			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	54.58	57.43	58.38
Wheel weight [Lb]	-	68.34	83.6	84.7



ATLI 25-25 R / T1 / T2

Δp_{stat} [In.W.G]																										
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000			294	0.55	359	0.9	411	1.29																				
5000			291	0.64	360	1.02	416	1.45	504	2.39																		
6000			285	0.75	357	1.16	416	1.61	509	2.63	584	3.76	647	4.98														
7000			279	0.89	351	1.32	412	1.8	510	2.88	588	4.07	654	5.36	713	6.74	765	8.19										
8000			276	1.06	345	1.51	406	2.01	507	3.14	589	4.4	658	5.76	718	7.21	773	8.72	822	10.3	868	12	911	13.7				
9000			276	1.26	340	1.74	399	2.26	502	3.44	586	4.75	658	6.17	721	7.69	777	9.28	828	10.9	876	12.7	920	14.5	961	16.3	1000	18.2	
10000			279	1.5	338	2.01	394	2.55	496	3.77	582	5.13	656	6.61	721	8.19	779	9.84	832	11.6	881	13.4	926	15.2	968	17.2	1009	19.2	
11000			283	1.77	338	2.32	391	2.89	489	4.15	576	5.55	651	7.08	718	8.71	778	10.4	833	12.2	883	14.1	930	16	973	18	1014	20.1	
12000			289	2.08	340	2.67	390	3.27	484	4.57	569	6.02	646	7.59	714	9.28	775	11.1	831	12.9	883	14.9	931	16.9	976	18.9	1018	21	
13000			296	2.43	344	3.06	391	3.7	480	5.05	563	6.54	639	8.16	708	9.89	771	11.7	828	13.6	881	15.6	930	17.7	976	19.8	1020	22	
14000			304	2.82	350	3.49	394	4.18	478	5.6	558	7.13	633	8.79	702	10.6	765	12.4	824	14.4	878	16.5	928	18.6	975	20.8	1020	23	
15000			313	3.26	356	3.98	398	4.7	477	6.19	554	7.78	627	9.47	695	11.3	759	13.2	818	15.2	873	17.3	924	19.5	972	21.7	1018	24.1	
16000	277	3.03	322	3.74	363	4.51	403	5.28	479	6.85	552	8.49	622	10.2	689	12.1	752	14.1	811	16.1	867	18.3	919	20.5	968	22.8	1014	25.1	
17000	289	3.55	331	4.28	371	5.09	409	5.91	482	7.57	551	9.27	619	11.1	684	13	746	15	805	17.1	860	19.3	913	21.5	962	23.9	1009	26.3	
18000	301	4.14	341	4.88	380	5.73	416	6.6	485	8.34	552	10.1	617	12	680	13.9	741	16	799	18.1	854	20.3	907	22.6	956	25	1004	27.5	
19000	313	4.79	351	5.55	388	6.43	424	7.34	490	9.18	554	11	616	13	677	14.9	736	17	793	19.2	848	21.5	900	23.8	950	26.3	998	28.8	
20000	326	5.52	362	6.28	398	7.19	432	8.14	496	10.1	557	12	617	14	675	16.1	733	18.2	788	20.4	842	22.7	894	25.1	943	27.6	991	30.2	
21000	338	6.33	373	7.09	407	8.02	440	9.01	502	11	561	13.1	619	15.1	675	17.3	730	19.4	784	21.7	837	24.1	888	26.5	937	29	985	31.6	
22000	351	7.21	384	7.98	417	8.93	449	9.95	509	12.1	566	14.2	622	16.4	676	18.5	729	20.8	782	23.1	833	25.5	883	28	931	30.5	978	33.2	1024	35.9
23000	365	8.18	396	8.95	428	9.91	458	11	517	13.2	572	15.4	625	17.6	678	19.9	729	22.2	780	24.6	830	27	879	29.5	926	32.1	973	34.8	1018	37.6
24000	378	9.24	408	10	438	11	468	12.1	525	14.4	578	16.7	630	19	681	21.3	731	23.7	780	26.2	828	28.7	875	31.2	922	33.9	968	36.6	1012	39.4
25000	391	10.4	420	11.2	449	12.1	478	13.3	533	15.6	585	18	635	20.4	684	22.9	733	25.3	780	27.8	827	30.4	873	33	919	35.7	963	38.5	1007	41.3
26000	405	11.6	432	12.4	460	13.4	488	14.5	542	16.9	592	19.5	641	22	689	24.5	736	27	782	29.6	827	32.2	872	34.9	916	37.6	960	40.5	1003	43.3
27000	418	13	444	13.7	471	14.7	498	15.9	551	18.4	600	21	648	23.6	694	26.2	739	28.8	784	31.5	828	34.2	872	36.9	915	39.7	957	42.6	999	45.5
27500	425	13.7	451	14.5	477	15.4	504	16.6	555	19.1	604	21.8	651	24.4	697	27.1	741	29.7	785	32.4	829	35.2	872	37.9	914	40.8	956	43.6	998	46.6
28000	432	14.4	457	15.2	483	16.2	509	17.3	560	19.9	608	22.6	655	25.3	700	28	744	30.7	787	33.4	830	36.2	872	39	914	41.9	956	44.8	997	47.7
29000	446	16	470	16.7	495	17.7	520	18.9	569	21.5	617	24.3	662	27	706	29.8	749	32.7	791	35.5	832	38.3	874	41.2	914	44.1	955	47.1		
30000	460	17.7	482	18.4	506	19.4	531	20.6	579	23.2	625	26.1	670	28.9	712	31.8	754	34.7	795	37.6	836	40.6	876	43.5	916	46.5	955	49.6		
30500	467	18.5	489	19.3	512	20.3	536	21.4	584	24.1	630	27	673	29.9	716	32.8	757	35.8	798	38.8	838	41.7	877	44.7	917	47.8				
31000	474	19.4	496	20.2	519	21.2	542	22.4	589	25	634	27.9	677	30.9	719	33.9	760	36.9	800	39.9	840	42.9	879	46	917	49				
32000	488	21.4	509	22.1	531	23.1	554	24.3	599	27	643	29.9	686	33	727	36.1	767	39.2	806	42.3	844	45.4	882	48.5						
32500	495	22.4	515	23.1	537	24.1	559	25.3	604	28	648	31	690	34.1	731	37.2	770	40.3	809	43.5	847	46.6	884	49.8						
33000	502	23.4	522	24.1	543	25.1	565	26.3	610	29	653	32	694	35.2	734	38.3	773	41.5	812	44.7	849	47.9								
33500	509	24.4	529	25.2	550	26.2	571	27.3	615	30.1	658	33.1	699	36.3	738	39.5	777	42.8	815	46	852	49.2								
34000	516	25.5	535	26.3	556	27.2	577	28.4	620	31.2	662	34.3	703	37.5	743	40.7	781	44	818	47.3										
34500	523	26.7	542	27.4	562	28.4	583	29.5	626	32.3	667	35.4	707	38.7	747	42	785	45.3	822	48.6										
35000	530	27.8	549	28.5	569	29.5	589	30.7	631	33.5	672	36.6	712	39.9	751	43.2	788	46.6												
35500	537	29	555	29.7	575	30.7	595	31.9	637	34.7	677	37.8	717	41.1	755	44.5	792	47.9												
36000	544	30.2	562	31	581	31.9	601	33.1	642	35.9	682	39.1	721	42.4	759	45.8	796	49.3												
36500	551	31.5	569	32.2	588	33.2	607	34.4	648	37.2	687	40.3	726	43.7	764	47.2														
37000	558	32.8	576	33.5	594	34.5	614	35.7	653	38.5	692	41.7	731	45.1	768	48.6														
37500	565	34.1	583	34.8	601	35.8	620	37	659	39.8	698	43	736	46.4																
38000	572	35.5	589	36.2	607	37.2	626	38.3	664	41.2	703	44.4	740	47.8																
38500	580	36.9	596	37.6	614	38.6	632	39.7	670	42.6	708	45.8	745	49.3																
39000	587	38.3	603	39.1	620	40	639	41.2	676	44	713	47.3																		
39500	594	39.8	610	40.5	627	41.5	645	42.7	682	45.5	719	48.7																		
40000	601	41.3	617	42	634	43	651	44.2	687	47																				
40500	608	42.9	624	43.6	640	44.6	658	45.7	693	48.5																				
41000	615	44.5	631	45.2	647	46.2	664	47.3																						
41500	622	46.1	637	46.8	654	47.8	670	48.9																						
42000	629	47.8	644	48.5	660	49.4																								

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 25-25	Area 1	RPM < 284	**13.7**	12	7	3	-4	-7	-11	-20	-26
		285 <RPM< 561	**14.4**	13	7	2	-3	-7	-9	-17	-24
		RPM > 562	**12.7**	11	6	1	-3	-6	-9	-14	-22
	Area 2	RPM < 284	**9.8**	7	4	1	-3	-7	-11	-19	-26
		285 <RPM< 561	**9.6**	7	2	2	-3	-7	-8	-13	-22
		RPM > 562	**9.9**	8	2	-1	-2	-6	-9	-12	-17
	Area 3	RPM < 284	**7.6**	4	1	0	-3	-6	-8	-13	-19
		285 <RPM< 561	**7.7**	5	0	-1	-5	-6	-7	-10	-14
		RPM > 562	**9.6**	8	1	-3	-3	-6	-8	-10	-12

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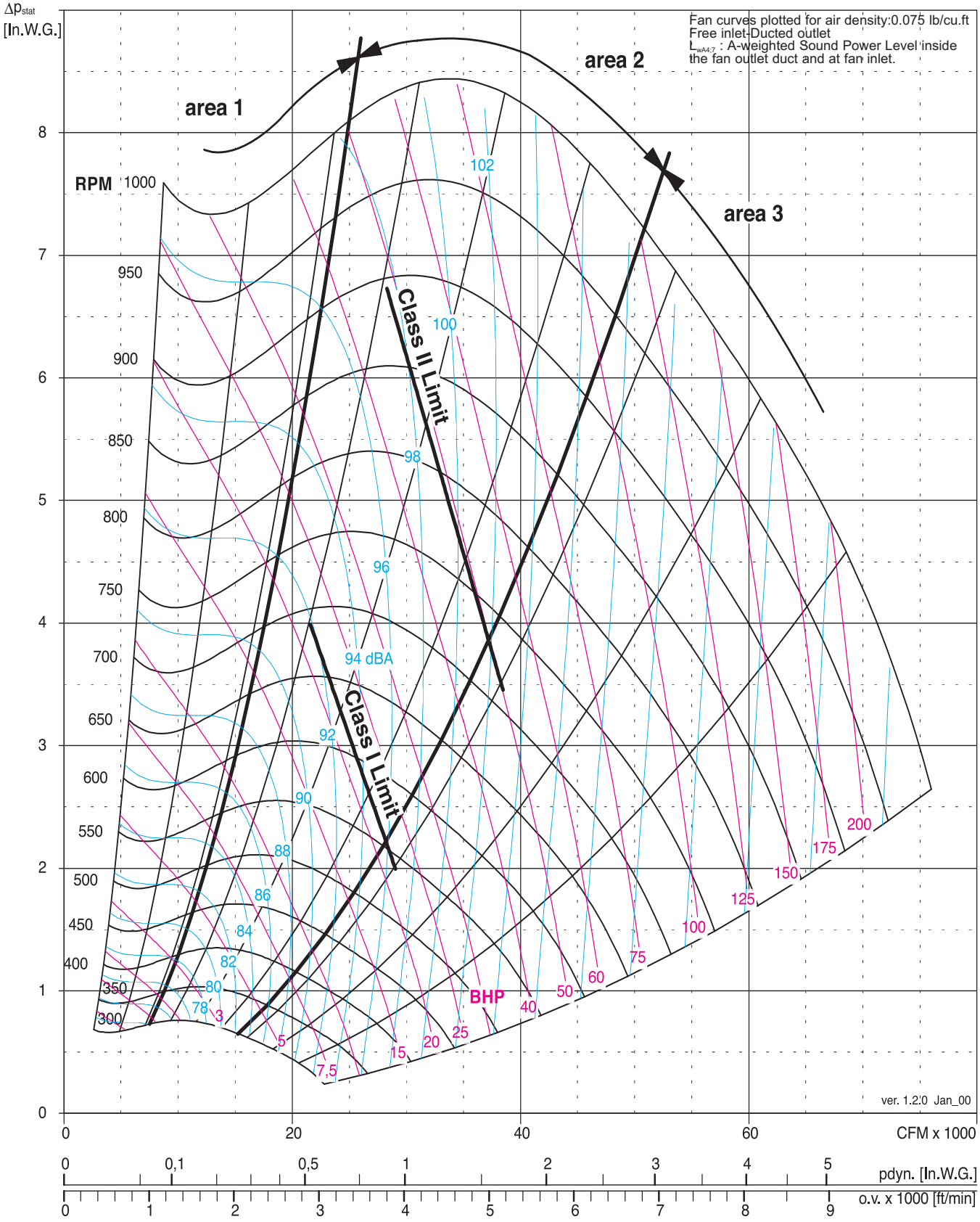
ATLI 28-22	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	775	775	900
Fan Max BHP	-	19	30	50
Fan Outlet Area O.A. [ft^2]	7.45			
Fan weight [Lb]	-	361	443	481.7
Wheel diameter [in.]	27.95			
Wheel width [in.]	19.57			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	71.7	75.22	76.4
Wheel weight [Lb]	-	73.37	87.94	90.87



ATLI 28-22 R / T1 / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000			260	0.58	320	0.98	368	1.42	446	2.44																		
5000			255	0.66	318	1.08	369	1.55	451	2.63	517	3.85																
6000			250	0.75	314	1.2	367	1.69	452	2.83	521	4.11	580	5.52	632	7.04	680	8.66										
7000			245	0.87	308	1.33	362	1.85	450	3.04	522	4.37	583	5.84	637	7.41	686	9.1	731	10.9	772	12.7						
8000			243	1.02	302	1.5	356	2.04	446	3.26	520	4.65	584	6.17	639	7.8	690	9.54	736	11.4	778	13.3	818	15.3	855	17.4	891	19.5	
9000			244	1.2	299	1.69	350	2.25	440	3.51	516	4.95	582	6.52	639	8.21	691	10	738	11.9	782	13.9	823	15.9	861	18.1	897	20.3	
10000			247	1.4	298	1.93	347	2.5	435	3.8	511	5.27	577	6.89	636	8.63	690	10.5	738	12.4	783	14.5	825	16.6	864	18.8				
11000			251	1.63	299	2.19	344	2.79	429	4.12	505	5.63	572	7.29	632	9.08	687	11	737	13	783	15.1	826	17.2	866	19.5				
12000			256	1.9	301	2.49	344	3.12	425	4.5	499	6.04	566	7.73	627	9.56	682	11.5	733	13.6	780	15.7	824	17.9	865	20.2				
13000			261	2.2	305	2.83	346	3.49	423	4.91	494	6.49	560	8.22	621	10.1	677	12.1	729	14.2	777	16.4	821	18.6	864	21				
14000			267	2.53	309	3.2	348	3.9	422	5.38	490	7	555	8.76	615	10.7	671	12.7	723	14.8	772	17.1	817	19.4	860	21.8				
15000			273	2.9	315	3.62	352	4.35	422	5.89	488	7.56	551	9.36	610	11.3	665	13.4	717	15.5	766	17.8	812	20.2	856	22.6	897	25.2		
16000			280	3.32	320	4.07	356	4.85	424	6.46	487	8.17	547	10	605	12	660	14.1	712	16.3	760	18.6	807	21	850	23.5	892	26.1		
17000	242	3.1	287	3.78	326	4.57	361	5.38	426	7.07	487	8.84	545	10.7	601	12.7	655	14.9	706	17.1	754	19.5	801	21.9	845	24.4	887	27.1		
18000	252	3.6	294	4.3	332	5.12	367	5.97	430	7.74	488	9.57	544	11.5	598	13.6	651	15.7	701	18	749	20.4	795	22.9	839	25.4	881	28.1		
19000	262	4.16	301	4.87	339	5.71	373	6.61	434	8.45	490	10.4	544	12.4	597	14.5	647	16.7	696	19	744	21.4	789	23.9	833	26.5	875	29.2		
20000	272	4.78	309	5.5	345	6.37	379	7.3	439	9.22	493	11.2	546	13.3	596	15.4	645	17.7	693	20	739	22.5	784	25	827	27.7	869	30.4		
21000	282	5.47	317	6.2	352	7.08	385	8.05	444	10	497	12.1	548	14.2	597	16.4	644	18.7	691	21.1	736	23.6	780	26.2	822	28.9	864	31.7		
22000	293	6.22	325	6.97	359	7.86	392	8.85	449	10.9	501	13.1	550	15.3	598	17.5	644	19.9	689	22.3	733	24.9	776	27.5	818	30.2	859	33	898	35.9
23000	303	7.04	334	7.8	367	8.71	398	9.72	455	11.9	506	14.1	554	16.4	600	18.7	645	21.1	689	23.6	731	26.2	773	28.8	814	31.6	854	34.4	893	37.4
24000	314	7.93	343	8.72	374	9.63	405	10.7	461	12.9	511	15.2	558	17.5	603	19.9	646	22.4	689	25	730	27.6	771	30.3	811	33.1	850	36	889	38.9
25000	325	8.9	352	9.7	382	10.6	412	11.7	467	14	516	16.3	562	18.8	606	21.3	648	23.8	690	26.4	730	29.1	770	31.8	809	34.7	847	37.6	885	40.6
26000	337	9.94	361	10.8	390	11.7	419	12.8	473	15.1	522	17.6	567	20.1	610	22.6	651	25.3	691	27.9	731	30.7	770	33.5	808	36.3	845	39.3	882	42.3
27000	348	11.1	371	11.9	398	12.9	427	13.9	480	16.3	528	18.9	572	21.5	614	24.1	655	26.8	694	29.5	732	32.3	770	35.2	807	38.1	844	41.1	880	44.2
28000	359	12.3	381	13.2	407	14.1	434	15.2	487	17.6	534	20.2	577	22.9	619	25.6	658	28.4	697	31.2	734	34.1	771	37	807	40	843	43	878	46.2
29000	371	13.6	392	14.5	416	15.5	442	16.6	493	19	540	21.7	583	24.4	624	27.2	663	30.1	700	33	737	35.9	773	38.9	808	41.9	843	45	878	48.2
29500	377	14.3	397	15.2	421	16.2	446	17.3	497	19.7	543	22.5	586	25.2	626	28.1	665	31	702	33.9	738	36.9	774	39.9	809	42.9	844	46.1	878	49.3
30000	382	15	402	15.9	425	16.9	450	18	500	20.5	547	23.2	589	26.1	629	28.9	667	31.9	704	34.8	740	37.8	775	40.9	810	44	844	47.2		
31000	394	16.4	413	17.4	435	18.4	459	19.5	507	22.1	553	24.9	595	27.8	635	30.7	672	33.7	708	36.8	744	39.8	778	43	812	46.1	845	49.4		
31500	400	17.2	418	18.2	439	19.2	463	20.3	511	22.9	556	25.7	598	28.6	637	31.6	675	34.7	711	37.8	746	40.9	780	44	813	47.2				
32000	406	18	423	19	444	20.1	467	21.2	515	23.7	560	26.6	601	29.5	640	32.6	677	35.7	713	38.8	747	41.9	781	45.1	815	48.4				
33000	417	19.7	434	20.7	454	21.8	476	22.9	522	25.5	566	28.4	607	31.4	646	34.5	683	37.7	718	40.9	752	44.1	785	47.4						
34000	429	21.4	445	22.5	464	23.6	485	24.8	530	27.4	573	30.3	614	33.4	652	36.6	688	39.8	723	43.1	757	46.4	789	49.7						
35000	441	23.3	456	24.5	474	25.6	494	26.7	537	29.3	580	32.3	621	35.4	658	38.7	694	42	728	45.4	761	48.8								
36000	453	25.3	467	26.5	485	27.6	504	28.8	545	31.4	587	34.4	627	37.6	665	40.9	700	44.3	734	47.8										
37000	464	27.4	479	28.6	495	29.8	513	31	553	33.6	595	36.6	634	39.9	671	43.3	706	46.8												
37500	470	28.5	484	29.7	500	30.9	518	32.1	558	34.8	598	37.8	637	41.1	674	44.5	709	48												
38000	476	29.6	490	30.9	506	32.1	523	33.3	562	36	602	39	641	42.3	678	45.7	712	49.3												
38500	482	30.8	496	32	511	33.3	528	34.5	566	37.2	606	40.2	644	43.5	681	47														
39000	488	32	501	33.2	516	34.5	533	35.7	570	38.4	610	41.5	648	44.8	684	48.3														
39500	494	33.2	507	34.5	522	35.7	538	37	575	39.7	613	42.7	651	46.1	687	49.6														
40000	500	34.4	513	35.7	527	37	543	38.3	579	41	617	44	655	47.4																
40500	506	35.7	519	37	533	38.3	548	39.6	584	42.3	621	45.4	659	48.8																
41000	512	37	524	38.3	538	39.7	554	40.9	588	43.7	625	46.8																		
41500	518	38.3	530	39.7	544	41	559	42.3	593	45.1	629	48.2																		
42000	524	39.7	536	41.1	549	42.4	564	43.8	597	46.5	633	49.6																		
42500	530	41.1	542	42.5	555	43.9	569	45.2	602	48																				
43000	536	42.5	548	44	560	45.3	575	46.7	606	49.5																				
43500	542	44	553	45.4	566	46.8	580	48.2																						
44000	548	45.5	559	47	572	48.4	585	49.8																						

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{WOCT4} 63	ΔL_{WOCT4} 125	ΔL_{WOCT4} 250	ΔL_{WOCT4} 500	ΔL_{WOCT4} 1000	ΔL_{WOCT4} 2000	ΔL_{WOCT4} 4000	ΔL_{WOCT4} 8000
ATLI 28-22	Area 1	RPM < 257	**10.2**	7	4	4	-5	-8	-12	-21	-29
		258 <RPM< 507	**10.4**	7	3	5	-4	-8	-10	-18	-27
		RPM > 508	**9.9**	7	4	1	-3	-6	-8	-14	-23
	Area 2	RPM < 257	**8.0**	3	3	2	-4	-7	-12	-17	-28
		258 <RPM< 507	**7.4**	1	0	4	-4	-7	-9	-14	-24
		RPM > 508	**5.5**	0	-2	-1	-2	-5	-8	-13	-21
	Area 3	RPM < 257	**6.4**	1	0	0	-2	-5	-8	-14	-22
		258 <RPM< 507	**4.2**	-3	-5	-1	-4	-5	-7	-11	-18
		RPM > 508	**3.2**	-6	-7	-4	-2	-5	-7	-12	-18

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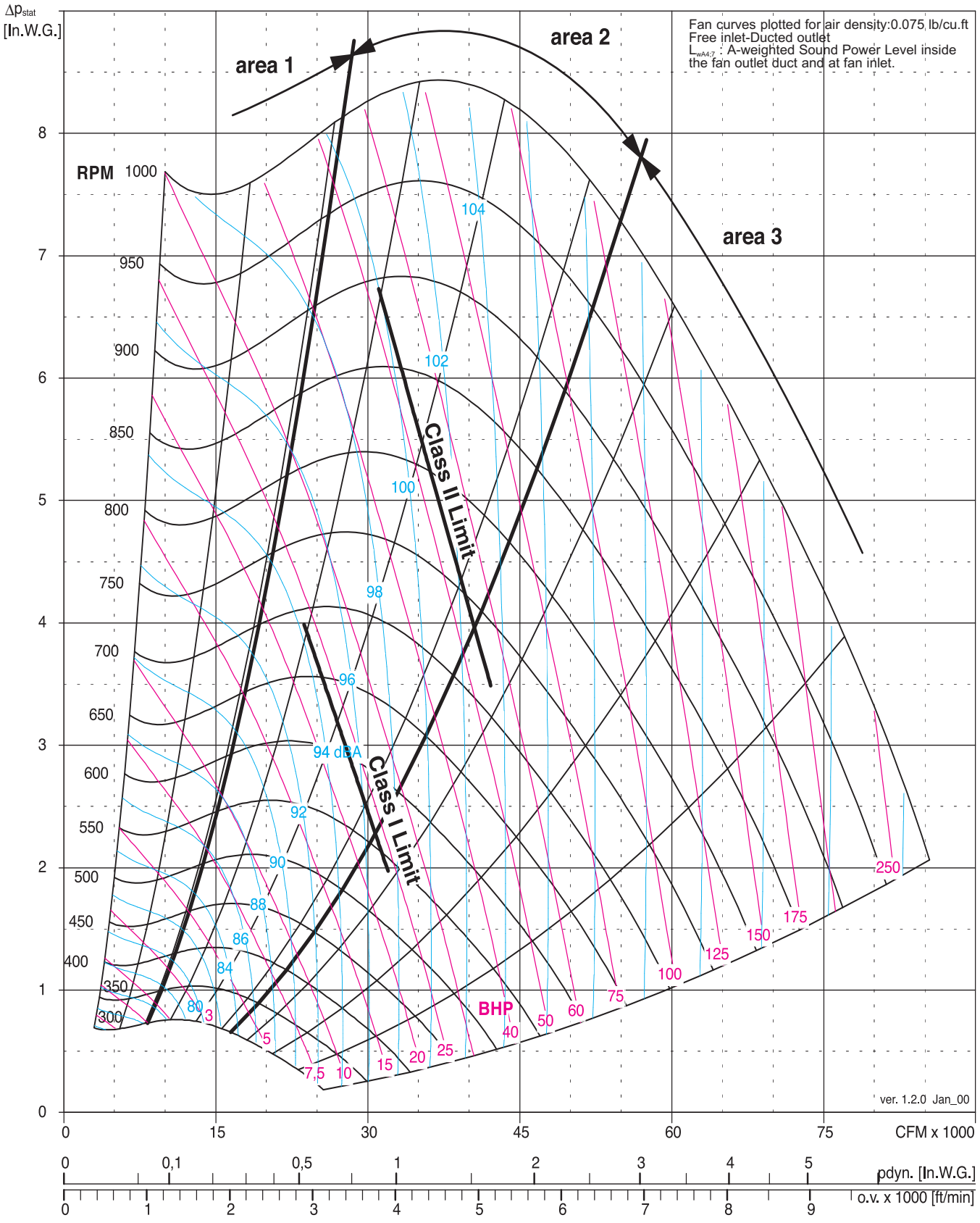
ATLI 28-25	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	775	775	900
Fan Max BHP	-	20	30	55
Fan Outlet Area O.A. [ft^2]	8.18			
Fan weight [Lb]	-	376.1	458.32	498.38
Wheel diameter [in.]	27.95			
Wheel width [in.]	21.57			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	79.26	83.3	84.48
Wheel weight [Lb]	-	79.98	94.56	97.5



ATLI 28-25 R / T1 / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000			258	0.59	316	1	363	1.46	439	2.51																				
6000			251	0.76	313	1.21	364	1.73	447	2.9	514	4.22	572	5.67	623	7.24	670	8.92	713	10.7										
8000			244	0.99	305	1.49	358	2.05	445	3.32	516	4.75	577	6.32	631	8	680	9.79	725	11.7	767	13.7								
10000			244	1.32	299	1.87	349	2.47	437	3.83	511	5.36	575	7.03	632	8.82	683	10.7	730	12.7	774	14.8	814	17	853	19.3	889	21.6		
12000			250	1.76	299	2.36	345	3.01	429	4.45	503	6.06	568	7.83	627	9.72	680	11.7	729	13.8	774	16.1	816	18.3	856	20.7	894	23.2		
14000			260	2.31	304	2.98	345	3.68	423	5.22	495	6.91	560	8.76	619	10.7	673	12.9	723	15.1	770	17.4	814	19.8	855	22.3	894	24.8		
15000			266	2.63	308	3.34	347	4.08	422	5.66	491	7.4	555	9.29	615	11.3	669	13.5	720	15.7	767	18.1	811	20.5	853	23.1	892	25.7		
16000			272	2.99	312	3.74	350	4.51	422	6.15	489	7.94	552	9.87	610	11.9	665	14.1	715	16.4	763	18.8	808	21.3	850	23.9	890	26.6		
17000			278	3.39	317	4.17	354	4.98	423	6.68	487	8.52	549	10.5	606	12.6	660	14.8	711	17.2	759	19.6	804	22.2	846	24.8	887	27.5		
18000			285	3.83	323	4.65	358	5.49	424	7.26	487	9.15	546	11.2	603	13.3	656	15.6	707	18	754	20.5	799	23.1	842	25.7	883	28.5		
20000	257	4.04	299	4.85	335	5.73	369	6.65	430	8.56	489	10.6	544	12.7	598	14.9	650	17.3	699	19.7	746	22.3	791	25	833	27.8	874	30.6		
22000	275	5.21	314	6.07	348	7.01	380	8	439	10.1	493	12.2	546	14.4	596	16.8	645	19.2	693	21.8	738	24.4	782	27.2	825	30	866	33		
23000	284	5.87	321	6.76	355	7.72	386	8.75	443	10.9	497	13.1	548	15.4	597	17.8	644	20.3	691	22.9	736	25.6	779	28.4	821	31.3	861	34.2		
23500	288	6.22	325	7.12	359	8.11	390	9.14	446	11.3	499	13.6	549	15.9	597	18.3	644	20.8	690	23.5	734	26.2	777	29	819	31.9	859	34.9	898	38
24000	293	6.59	329	7.5	362	8.5	393	9.55	449	11.8	500	14.1	550	16.4	598	18.9	644	21.4	689	24.1	733	26.8	776	29.6	817	32.6	858	35.6	896	38.7
25000	302	7.36	337	8.32	369	9.33	400	10.4	454	12.7	505	15.1	553	17.5	599	20	645	22.6	689	25.3	732	28.1	774	31	814	33.9	854	37	893	40.1
26000	312	8.2	345	9.19	377	10.2	406	11.4	460	13.7	509	16.1	556	18.6	602	21.2	646	23.9	689	26.6	731	29.4	772	32.4	812	35.4	851	38.5	889	41.7
27000	321	9.1	353	10.1	384	11.2	413	12.3	466	14.8	514	17.3	560	19.8	604	22.5	647	25.2	689	28	730	30.9	771	33.9	810	36.9	848	40.1	886	43.3
28000	331	10.1	362	11.1	392	12.2	420	13.4	472	15.9	520	18.5	564	21.1	608	23.8	650	26.6	691	29.5	731	32.4	770	35.4	809	38.5	846	41.7	883	45
29000	341	11.1	370	12.2	400	13.3	428	14.5	479	17.1	525	19.7	569	22.4	611	25.2	652	28.1	692	31	732	34	770	37.1	808	40.2	845	43.5	881	46.8
30000	351	12.2	379	13.4	408	14.5	435	15.7	485	18.3	531	21.1	574	23.9	615	26.7	655	29.6	695	32.6	733	35.7	771	38.8	808	42	844	45.3	879	48.7
31000	360	13.4	388	14.6	416	15.8	442	17	492	19.7	537	22.5	579	25.3	620	28.3	659	31.3	697	34.3	735	37.4	772	40.6	808	43.9	844	47.2	878	50.6
32000	370	14.6	397	15.9	424	17.1	450	18.4	499	21.1	543	23.9	585	26.9	625	29.9	663	33	700	36.1	737	39.3	773	42.5	809	45.8	844	49.2	878	52.7
33000	381	15.9	406	17.3	432	18.5	458	19.8	506	22.6	549	25.5	591	28.5	630	31.6	667	34.7	704	37.9	740	41.2	775	44.5	810	47.9	844	51.3	878	54.8
34000	391	17.3	415	18.7	441	20	466	21.3	513	24.1	556	27.1	596	30.2	635	33.4	672	36.6	708	39.9	743	43.2	778	46.5	812	50	845	53.5		
35000	401	18.8	424	20.3	449	21.6	474	22.9	520	25.8	563	28.8	602	32	640	35.2	677	38.5	712	41.9	747	45.2	781	48.7	814	52.2				
36000	411	20.4	434	21.9	458	23.3	482	24.6	527	27.5	569	30.7	609	33.9	646	37.2	682	40.5	717	44	751	47.4	784	50.9	817	54.5				
36500	416	21.2	438	22.7	462	24.1	486	25.5	531	28.4	573	31.6	612	34.8	649	38.2	684	41.6	719	45	753	48.5	786	52.1						
37000	421	22	443	23.6	466	25	490	26.4	535	29.4	576	32.5	615	35.8	652	39.2	687	42.6	721	46.1	755	49.7	788	53.3						
38000	432	23.8	453	25.4	475	26.9	498	28.3	542	31.3	583	34.5	621	37.9	658	41.3	693	44.8	727	48.4	759	52								
39000	442	25.6	462	27.3	484	28.8	506	30.3	550	33.3	590	36.6	628	40	664	43.5	699	47.1	732	50.7	764	54.4								
40000	452	27.5	472	29.3	493	30.8	515	32.3	558	35.5	597	38.8	635	42.3	670	45.8	704	49.5	737	53.2										
41000	463	29.5	482	31.4	502	33	524	34.5	565	37.7	605	41.1	642	44.6	677	48.2	710	52												
41500	468	30.6	487	32.4	507	34.1	528	35.6	569	38.8	608	42.2	645	45.8	680	49.5	713	53.2												
42000	473	31.6	492	33.5	512	35.2	532	36.8	573	40	612	43.4	649	47	683	50.7	717	54.5												
42500	478	32.7	496	34.6	516	36.4	537	38	577	41.2	616	44.7	652	48.3	687	52														
43000	483	33.8	501	35.8	521	37.5	541	39.2	581	42.5	619	45.9	656	49.6	690	53.3														
43500	489	35	506	37	526	38.8	545	40.4	585	43.7	623	47.2	659	50.9	693	54.7														
44000	494	36.1	511	38.2	530	40	550	41.7	589	45	627	48.5	663	52.2																
44500	499	37.3	516	39.4	535	41.2	554	42.9	593	46.3	631	49.9	666	53.6																
45000	504	38.6	521	40.7	540	42.5	559	44.3	597	47.7	635	51.2																		
45500	509	39.8	526	42	544	43.8	563	45.6	601	49	638	52.6																		
46000	515	41.1	531	43.3	549	45.2	568	47	606	50.4	642	54																		
46500	520	42.4	536	44.6	554	46.5	572	48.3	610	51.9																				
47000	525	43.7	542	46	559	47.9	577	49.8	614	53.3																				
47500	531	45.1	547	47.4	564	49.4	582	51.2	618	54.8																				
48000	536	46.4	552	48.8	568	50.8	586	52.7																						
48500	541	47.9	557	50.2	573	52.3	591	54.2																						
49000	546	49.3	562	51.7	578	53.8																								
49500	552	50.8	567	53.2																										
50000	557	52.3	572	54.7																										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 28-25	Area 1	RPM < 257	**11.8**	9	6	4	-5	-7	-11	-20	-29
		258 <RPM< 507	**11.4**	9	5	3	-4	-7	-9	-17	-27
		RPM > 508	**9.9**	7	4	1	-3	-6	-9	-14	-23
	Area 2	RPM < 257	**8.9**	4	4	3	-4	-7	-10	-18	-29
		258 <RPM< 507	**8.5**	4	1	4	-4	-7	-8	-15	-25
		RPM > 508	**5.7**	-1	-1	0	-2	-6	-8	-12	-21
	Area 3	RPM < 257	**6.5**	1	1	0	-3	-6	-8	-14	-23
		258 <RPM< 507	**4.5**	-3	-4	0	-5	-5	-7	-11	-19
		RPM > 508	**3.5**	-5	-6	-3	-2	-6	-7	-11	-18

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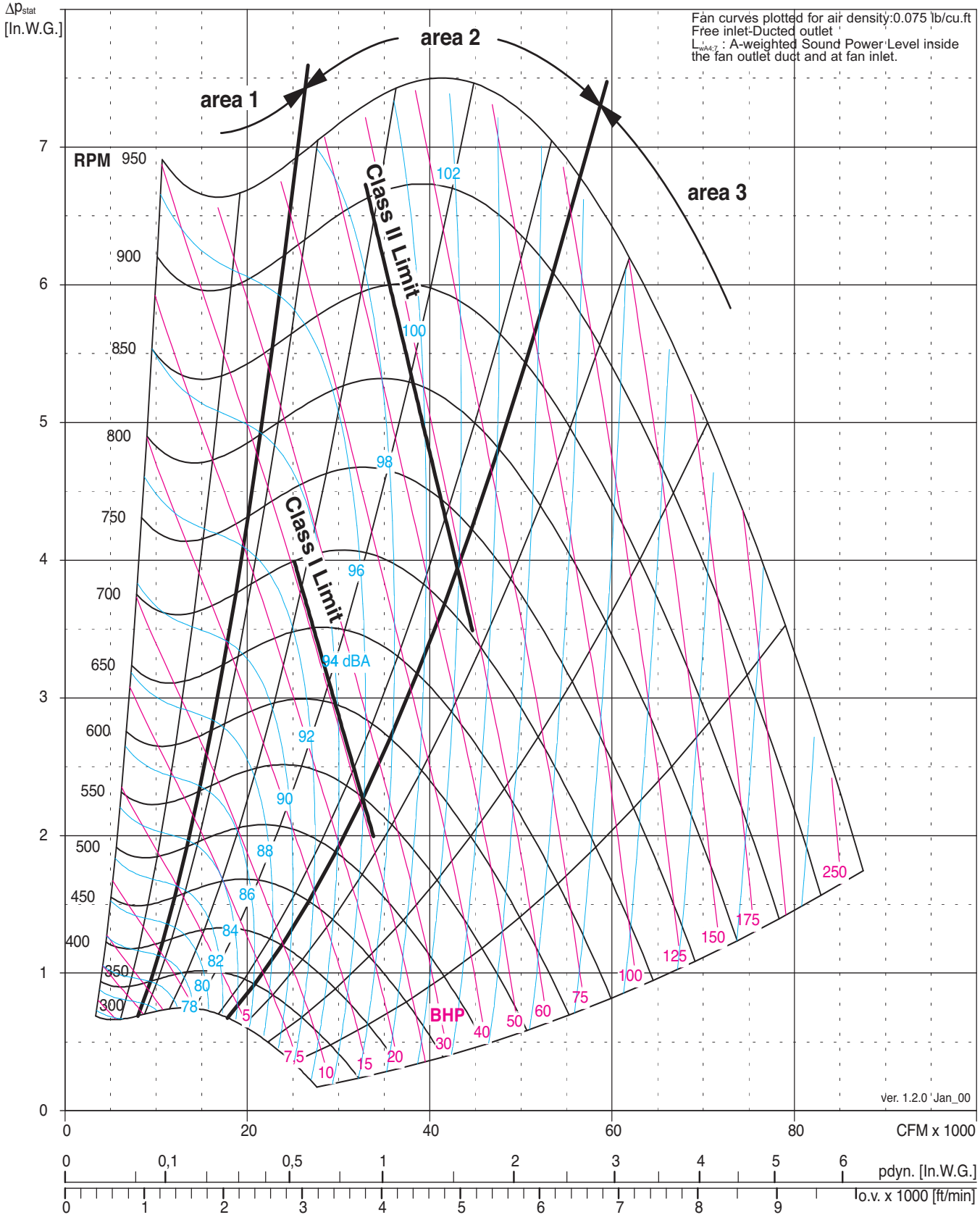
ATLI 28-28	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	750	750	860
Fan Max BHP	-	20	30	55
Fan Outlet Area O.A. [ft^2]	8.67			
Fan weight [Lb]	-	386.47	468.68	509.82
Wheel diameter [in.]	27.95			
Wheel width [in.]	22.72			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	84.48	88.5	89.7
Wheel weight [Lb]	-	84.48	99	101.94



ATLI 28-28 R / T1 / T2

Δp_{stat} [In.W.G]																										
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000			261	0.66	319	1.08	366	1.53	443	2.56																		
7000			255	0.87	317	1.34	369	1.87	451	3.02	518	4.31	575	5.71														
9000			247	1.15	310	1.67	364	2.26	451	3.54	521	4.96	582	6.49	635	8.12	684	9.84	728	11.7	769	13.5						
10000			246	1.32	306	1.87	360	2.48	449	3.83	521	5.31	583	6.91	638	8.61	687	10.4	732	12.3	774	14.2	813	16.2	851	18.3		
11000			245	1.51	303	2.1	356	2.73	445	4.14	519	5.68	583	7.34	639	9.11	689	11	735	12.9	778	14.9	818	17	856	19.2		
12000			246	1.73	301	2.35	352	3.02	441	4.47	517	6.08	581	7.8	638	9.63	690	11.5	737	13.6	781	15.6	821	17.8				
13000			249	1.97	300	2.63	349	3.33	437	4.84	513	6.5	579	8.28	637	10.2	690	12.2	738	14.2	782	16.4	823	18.6				
14000			252	2.24	301	2.94	348	3.67	434	5.24	509	6.95	576	8.79	635	10.7	688	12.8	737	14.9	782	17.1	825	19.4				
15000			256	2.54	302	3.28	347	4.05	430	5.68	505	7.45	572	9.34	632	11.4	686	13.5	736	15.7	782	17.9	825	20.3				
16000			261	2.86	305	3.65	347	4.46	428	6.16	501	7.98	568	9.93	628	12	683	14.2	733	16.4	780	18.8	824	21.2				
17000			267	3.22	308	4.05	349	4.9	426	6.67	498	8.55	564	10.6	624	12.7	679	14.9	731	17.2	778	19.6	822	22.1				
18000			272	3.62	312	4.49	351	5.38	425	7.23	495	9.17	560	11.2	620	13.4	676	15.7	727	18	775	20.5	820	23				
19000			278	4.06	317	4.96	354	5.9	425	7.82	493	9.83	557	12	616	14.2	672	16.5	723	18.9	772	21.4	817	24				
20000	245	3.69	285	4.53	322	5.47	358	6.45	426	8.46	491	10.5	554	12.7	612	15	668	17.4	719	19.9	768	22.4	813	25.1	856	27.8		
21000	253	4.19	292	5.05	327	6.03	362	7.04	427	9.13	491	11.3	551	13.5	609	15.9	664	18.3	715	20.9	764	23.5	810	26.2	853	29		
22000	261	4.74	299	5.62	333	6.62	366	7.68	430	9.85	491	12.1	550	14.4	606	16.8	660	19.3	711	21.9	760	24.6	806	27.3	849	30.2		
23000	269	5.34	306	6.24	339	7.27	371	8.36	432	10.6	491	12.9	549	15.3	604	17.8	657	20.3	707	23	756	25.7	801	28.5	845	31.4		
24000	278	5.99	313	6.91	346	7.96	377	9.09	436	11.4	493	13.8	548	16.3	602	18.8	654	21.4	704	24.1	752	26.9	798	29.8	841	32.8		
25000	286	6.7	320	7.64	352	8.71	382	9.87	440	12.3	495	14.8	549	17.3	601	19.9	652	22.6	701	25.4	748	28.2	794	31.1	837	34.1		
25500	291	7.07	324	8.02	356	9.11	385	10.3	442	12.7	496	15.3	549	17.9	601	20.5	651	23.2	700	26	747	28.9	792	31.8	835	34.9		
26000	295	7.46	328	8.42	359	9.51	388	10.7	444	13.2	498	15.8	550	18.4	601	21.1	650	23.8	699	26.6	745	29.5	790	32.5	833	35.6		
27000	304	8.28	336	9.26	366	10.4	394	11.6	449	14.2	501	16.8	551	19.5	601	22.3	649	25.1	696	28	742	31	787	34	829	37.1		
27500	308	8.71	340	9.71	369	10.8	398	12.1	451	14.7	503	17.4	552	20.1	601	22.9	649	25.8	696	28.7	741	31.7	785	34.8	828	37.9		
28000	313	9.16	344	10.2	373	11.3	401	12.5	454	15.2	505	17.9	554	20.7	602	23.6	649	26.4	695	29.4	740	32.4	784	35.5	826	38.7		
29000	322	10.1	352	11.1	380	12.3	407	13.6	459	16.3	508	19.1	556	22	603	24.9	649	27.8	694	30.9	738	34	781	37.1	823	40.4		
29500	326	10.6	356	11.7	384	12.8	411	14.1	462	16.8	511	19.7	558	22.6	604	25.6	649	28.6	694	31.6	737	34.8	780	37.9	822	41.2		
30000	331	11.1	360	12.2	388	13.3	414	14.6	465	17.4	513	20.3	559	23.3	605	26.3	650	29.3	694	32.4	737	35.6	779	38.8	820	42.1		
31000	340	12.2	368	13.3	395	14.5	421	15.8	471	18.6	517	21.6	563	24.6	607	27.7	651	30.8	694	34	736	37.3	777	40.5	818	43.9	858	47.3
31500	345	12.8	372	13.9	399	15.1	425	16.4	473	19.2	520	22.2	565	25.3	609	28.5	652	31.6	694	34.8	736	38.1	777	41.4	817	44.8	856	48.3
32000	349	13.3	376	14.5	403	15.7	428	17	477	19.9	522	22.9	567	26	610	29.2	653	32.4	694	35.7	736	39	776	42.4	816	45.8	855	49.3
33000	358	14.6	385	15.7	411	16.9	435	18.3	483	21.2	528	24.3	571	27.5	613	30.8	655	34.1	696	37.4	736	40.8	776	44.2	815	47.7	853	51.3
34000	368	15.8	393	17	419	18.3	443	19.6	489	22.6	533	25.8	575	29.1	617	32.4	657	35.8	697	39.2	737	42.7	776	46.2	814	49.8	852	53.4
35000	377	17.2	402	18.4	427	19.7	450	21.1	496	24.1	539	27.3	580	30.7	621	34.1	660	37.6	699	41.1	738	44.7	776	48.2	813	51.9		
37000	396	20.2	419	21.5	443	22.8	466	24.2	509	27.3	551	30.7	590	34.2	629	37.8	667	41.4	705	45.1	742	48.8	778	52.5				
39000	415	23.4	437	24.8	459	26.2	481	27.7	523	30.9	563	34.3	602	38	639	41.7	675	45.5	711	49.3	747	53.2						
41000	434	27.1	455	28.6	476	30	497	31.5	538	34.7	576	38.3	613	42.1	649	46	684	49.9	719	53.9								
42000	443	29	464	30.6	485	32	505	33.5	545	36.8	583	40.4	620	44.3	655	48.2	689	52.2										
43000	453	31.1	473	32.6	493	34.1	514	35.7	553	39	590	42.7	626	46.5	661	50.6	694	54.7										
44000	462	33.2	482	34.8	502	36.4	522	37.9	560	41.3	597	45	632	48.9	666	53												
44500	467	34.3	487	36	506	37.5	526	39.1	564	42.5	600	46.2	635	50.1	669	54.2												
45000	472	35.4	491	37.1	511	38.7	530	40.3	568	43.7	604	47.4	639	51.4														
46000	482	37.7	501	39.5	520	41.1	539	42.7	576	46.2	611	49.9	645	54														
46500	487	38.9	505	40.7	524	42.4	543	44	579	47.4	615	51.2																
47000	491	40.2	510	42	528	43.6	547	45.3	583	48.8	618	52.6																
47500	496	41.4	515	43.3	533	44.9	551	46.6	587	50.1	622	53.9																
48000	501	42.7	519	44.6	537	46.3	556	47.9	591	51.4																		
48500	506	44	524	45.9	542	47.6	560	49.3	595	52.8																		
49000	511	45.3	528	47.3	546	49	564	50.7	599	54.3																		
49500	516	46.7	533	48.7	551	50.4	568	52.1																				
50000	521	48.1	538	50.1	555	51.8	573	53.6																				

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{woct} 63	ΔL_{woct} 125	ΔL_{woct} 250	ΔL_{woct} 500	ΔL_{woct} 1000	ΔL_{woct} 2000	ΔL_{woct} 4000	ΔL_{woct} 8000
ATLI 28-28	Area 1	RPM < 257	**11.6**	9	6	3	-5	-6	-10	-19	-27
		258 <RPM< 507	**11.3**	9	5	2	-4	-6	-8	-15	-24
		RPM > 508	**10.6**	8	5	1	-4	-6	-8	-14	-22
	Area 2	RPM < 257	**8.1**	3	3	2	-3	-7	-10	-16	-25
		258 <RPM< 507	**7.5**	2	0	3	-3	-6	-7	-13	-21
		RPM > 508	**5.8**	0	-1	0	-3	-6	-8	-11	-19
	Area 3	RPM < 257	**5.8**	0	0	-1	-3	-6	-8	-13	-23
		258 <RPM< 507	**3.9**	-4	-5	-1	-5	-6	-6	-10	-16
		RPM > 508	**3.0**	-5	-6	-4	-4	-6	-6	-10	-16

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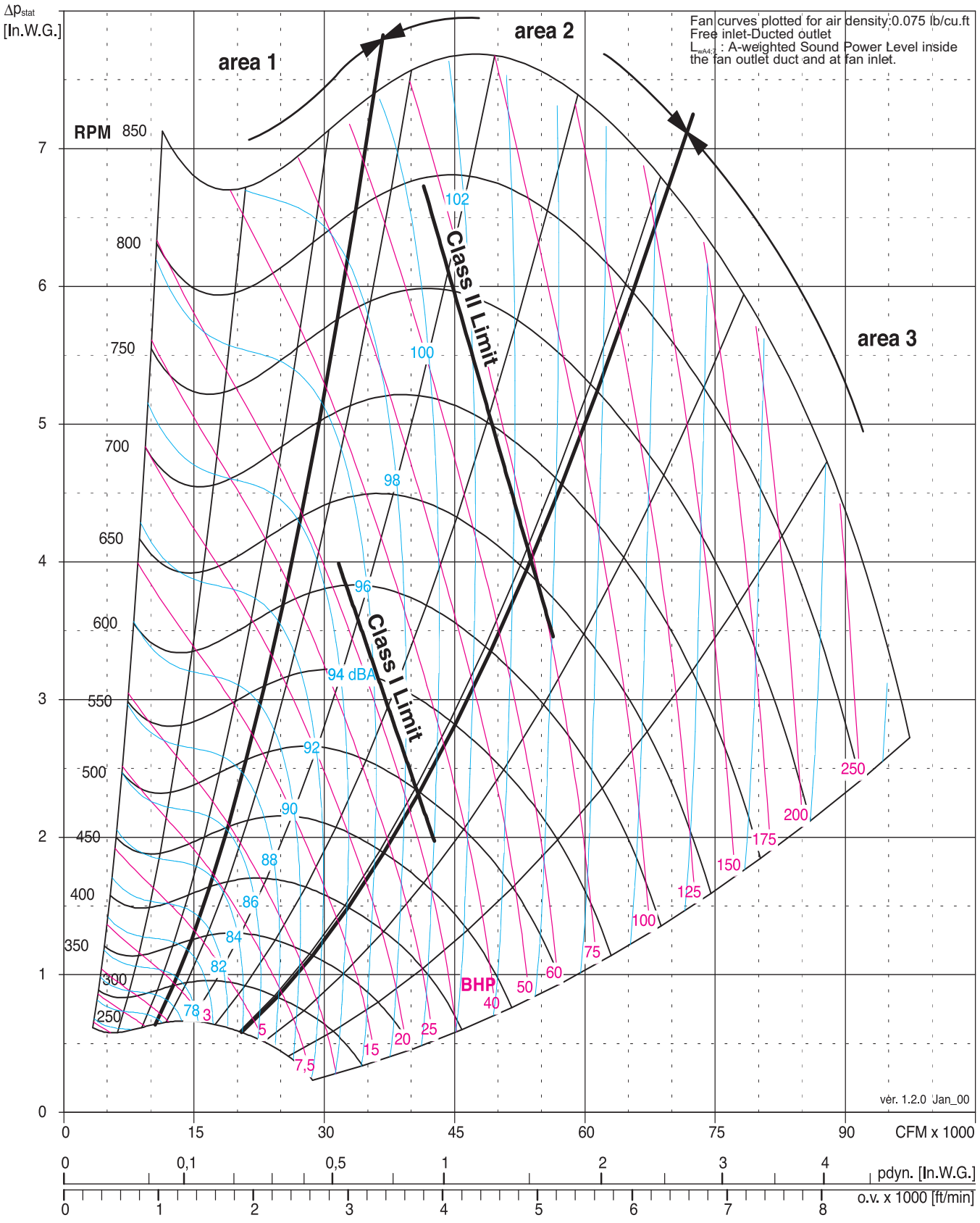
ATLI 32-32	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	-	675	760
Fan Max BHP	-	-	40	70
Fan Outlet Area O.A. [ft^2]	10.91			
Fan weight [Lb]	-	-	564.43	629.95
Wheel diameter [in.]	31.5			
Wheel width [in.]	25.43			
Wheel No. Blades	38			
Wheel Moment of Inertia [Lb ft^2]	-	-	142.14	142.85
Wheel weight [Lb]	-	-	132.28	134.48



ATLI 32-32 T1 / T2

	Δp_{stat} [In.W.G]																									
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000			232	0.8	282	1.35	323	1.98																				
7000			229	0.95	284	1.56	328	2.25	399	3.81	456	5.58	505	7.52														
9000			222	1.14	279	1.79	326	2.54	402	4.22	463	6.12	515	8.19	561	10.4	602	12.8	640	15.3								
13000			217	1.72	267	2.46	313	3.28	393	5.15	461	7.27	518	9.58	569	12.1	614	14.7	655	17.5	694	20.4	729	23.4				
14000			218	1.92	266	2.68	310	3.51	390	5.42	458	7.58	516	9.95	568	12.5	614	15.2	657	18	696	21	732	24				
15000			220	2.14	266	2.92	308	3.78	386	5.72	454	7.92	514	10.3	566	12.9	614	15.7	657	18.6	697	21.6	733	24.7				
16000			223	2.38	266	3.19	307	4.07	383	6.05	451	8.29	511	10.7	564	13.4	612	16.2	656	19.1	697	22.2	734	25.4				
17000			225	2.65	267	3.48	307	4.39	380	6.4	447	8.68	507	11.2	561	13.9	610	16.7	655	19.7	696	22.8	734	26.1				
18000			228	2.94	269	3.8	307	4.74	378	6.79	444	9.1	503	11.6	558	14.4	607	17.3	652	20.3	694	23.5	733	26.8				
19000			232	3.26	271	4.15	308	5.11	377	7.21	441	9.55	500	12.1	554	14.9	604	17.8	650	20.9	692	24.2	732	27.5				
20000			235	3.61	274	4.53	309	5.52	376	7.67	438	10.1	496	12.7	550	15.5	600	18.4	647	21.6	690	24.9	730	28.3				
21000			239	4	277	4.94	311	5.95	375	8.15	436	10.6	493	13.2	547	16	597	19.1	643	22.3	686	25.6	727	29.1				
22000			244	4.43	280	5.38	313	6.42	376	8.67	435	11.1	491	13.8	543	16.7	593	19.7	640	23	683	26.3	724	29.9				
23000	212	4.15	248	4.89	283	5.86	316	6.92	377	9.23	434	11.7	489	14.5	541	17.4	590	20.5	636	23.7	680	27.1	721	30.7				
24000	219	4.67	252	5.4	286	6.37	319	7.46	378	9.83	434	12.4	487	15.1	538	18.1	586	21.2	632	24.5	676	28	717	31.6	756	35.3		
25000	226	5.23	257	5.95	290	6.93	322	8.04	379	10.5	434	13.1	486	15.9	536	18.8	583	22	629	25.3	672	28.8	714	32.5	753	36.2		
26000	233	5.83	262	6.55	294	7.52	325	8.65	381	11.1	434	13.8	485	16.6	534	19.7	581	22.9	626	26.2	669	29.7	710	33.4	749	37.2		
27000	240	6.48	268	7.2	298	8.17	328	9.31	384	11.8	435	14.6	485	17.4	532	20.5	579	23.8	623	27.1	666	30.7	706	34.4	746	38.3		
28000	247	7.18	273	7.89	303	8.86	332	10	386	12.6	437	15.4	485	18.3	532	21.4	577	24.7	620	28.1	662	31.7	703	35.5	742	39.4		
29000	254	7.94	279	8.65	307	9.6	336	10.8	389	13.4	438	16.2	485	19.2	531	22.4	575	25.7	618	29.2	660	32.8	700	36.6	739	40.5		
30000	261	8.74	285	9.46	312	10.4	340	11.6	392	14.2	440	17.1	487	20.2	531	23.4	574	26.7	616	30.2	657	33.9	697	37.7	735	41.7		
31000	268	9.6	291	10.3	317	11.3	344	12.4	395	15.1	443	18.1	488	21.2	531	24.4	574	27.8	615	31.4	655	35.1	694	38.9	732	42.9		
32000	276	10.5	297	11.2	322	12.2	348	13.3	398	16	445	19	489	22.2	532	25.5	574	29	614	32.6	653	36.3	692	40.2	729	44.2		
33000	283	11.5	304	12.2	327	13.2	353	14.3	402	17	448	20.1	491	23.3	533	26.7	574	30.2	613	33.8	652	37.6	690	41.5	727	45.6		
34000	291	12.5	310	13.3	333	14.2	357	15.3	405	18.1	451	21.2	493	24.5	534	27.9	574	31.4	613	35.1	651	38.9	688	42.9	725	47		
35000	298	13.6	317	14.4	339	15.3	362	16.4	409	19.2	454	22.3	496	25.6	536	29.1	575	32.7	613	36.5	651	40.3	687	44.3	723	48.5	758	52.8
36000	306	14.8	324	15.6	344	16.5	367	17.6	413	20.3	457	23.5	498	26.9	538	30.4	576	34.1	614	37.9	650	41.8	686	45.9	722	50	756	54.3
37000	313	16	331	16.8	350	17.7	372	18.8	417	21.6	460	24.8	501	28.2	540	31.8	578	35.5	614	39.4	650	43.3	686	47.4	720	51.6	754	56
39000	329	18.6	344	19.5	363	20.4	383	21.5	426	24.2	467	27.5	507	31	545	34.7	581	38.5	617	42.5	651	46.6	686	50.7	719	55	752	59.5
41000	344	21.6	359	22.4	376	23.4	394	24.4	435	27.2	475	30.4	513	34	550	37.8	586	41.8	620	45.9	654	50	687	54.3	719	58.7	751	63.2
43000	360	24.8	373	25.7	389	26.6	406	27.7	444	30.4	483	33.7	520	37.3	556	41.2	591	45.3	624	49.5	657	53.8	689	58.2	720	62.7	751	67.3
45000	375	28.3	388	29.3	403	30.2	419	31.3	454	34	491	37.2	527	40.9	563	44.9	596	49	629	53.3	661	57.8	692	62.3	722	66.9		
47000	391	32.2	403	33.2	417	34.2	431	35.2	465	37.9	500	41.1	535	44.8	569	48.9	602	53.1	634	57.5	665	62	695	66.6				
49000	407	36.4	418	37.4	431	38.4	445	39.5	476	42.1	510	45.3	544	49.1	577	53.1	609	57.5	640	62	670	66.6						
49500	411	37.5	422	38.5	434	39.6	448	40.7	479	43.3	512	46.4	546	50.2	579	54.3	611	58.6	642	63.1	672	67.8						
50000	415	38.6	426	39.7	438	40.7	451	41.8	482	44.4	515	47.6	548	51.3	581	55.4	612	59.8	643	64.3	673	69						
51000	422	40.9	433	42	445	43.1	458	44.2	488	46.8	520	49.9	552	53.6	585	57.8	616	62.1	646	66.7								
52000	430	43.3	441	44.4	452	45.5	465	46.6	494	49.2	525	52.4	557	56.1	589	60.2	620	64.6	650	69.2								
53000	438	45.8	449	46.9	460	48.1	472	49.2	500	51.8	530	54.9	561	58.6	593	62.7	623	67.2										
53500	442	47.1	452	48.2	463	49.4	476	50.5	503	53.1	533	56.2	564	59.9	595	64	625	68.5										
54000	446	48.4	456	49.6	467	50.7	479	51.9	506	54.4	535	57.6	566	61.2	597	65.4	627	69.8										
55000	454	51.1	464	52.3	475	53.4	486	54.6	512	57.2	541	60.3	571	64	601	68.1												
56000	462	53.9	472	55.1	482	56.3	493	57.5	518	60.1	546	63.2	576	66.8														
57000	470	56.8	479	58	489	59.2	500	60.4	525	63	552	66.1	581	69.7														
58000	478	59.8	487	61	497	62.3	508	63.5	531	66.1	558	69.2																
59000	486	62.9	495	64.2	504	65.4	515	66.6	538	69.3																		
60000	494	66.1	503	67.4	512	68.7	522	69.9																				

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed			ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 32-32	Area 1	RPM	<	284	**9.0**	5	4	2	-5	-6	-14	-23	-32
		285	<RPM<	561	**10.7**	8	4	3	-3	-5	-10	-16	-24
		RPM	>	562	**9.9**	7	4	1	-3	-5	-10	-14	-23
	Area 2	RPM	<	284	**8.0**	3	3	2	-4	-6	-12	-21	-30
		285	<RPM<	561	**6.1**	1	-2	1	-4	-5	-9	-13	-21
		RPM	>	562	**5.0**	0	-3	-3	-2	-5	-9	-13	-20
	Area 3	RPM	<	284	**7.0**	1	2	1	-3	-6	-9	-15	-25
		285	<RPM<	561	**5.4**	0	-3	0	-5	-4	-8	-12	-19
		RPM	>	562	**4.4**	-1	-4	-4	-3	-5	-7	-11	-14

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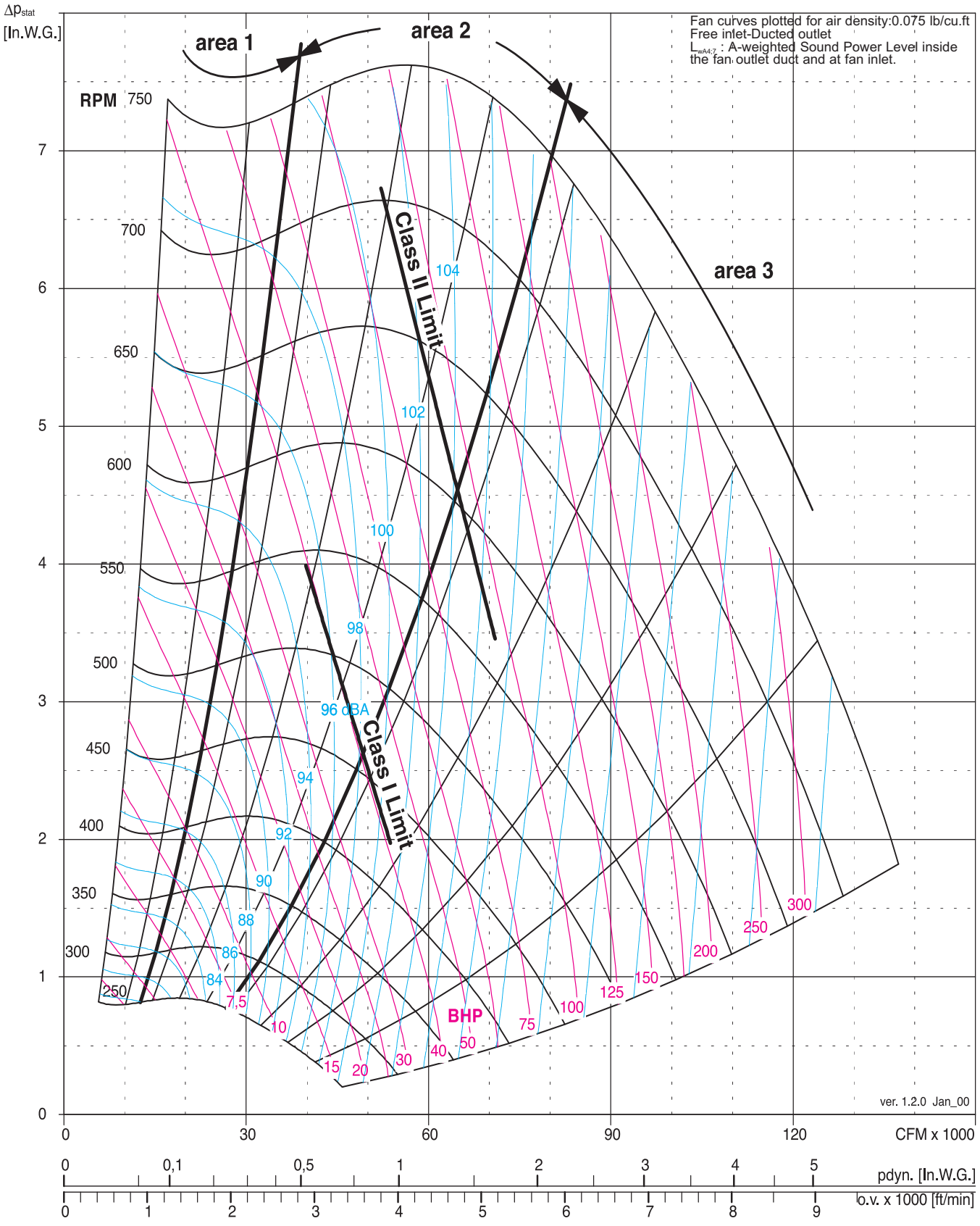
ATLI 36-36	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	-	600	665
Fan Max BHP	-	-	50	75
Fan Outlet Area O.A. [ft^2]	13.74			
Fan weight [Lb]	-	-	703.34	785.42
Wheel diameter [in.]	35.43			
Wheel width [in.]	28.58			
Wheel No. Blades	42			
Wheel Moment of Inertia [Lb ft^2]	-	-	220.93	225
Wheel weight [Lb]	-	-	157.85	178



ATLI 36-36 T1 / T2

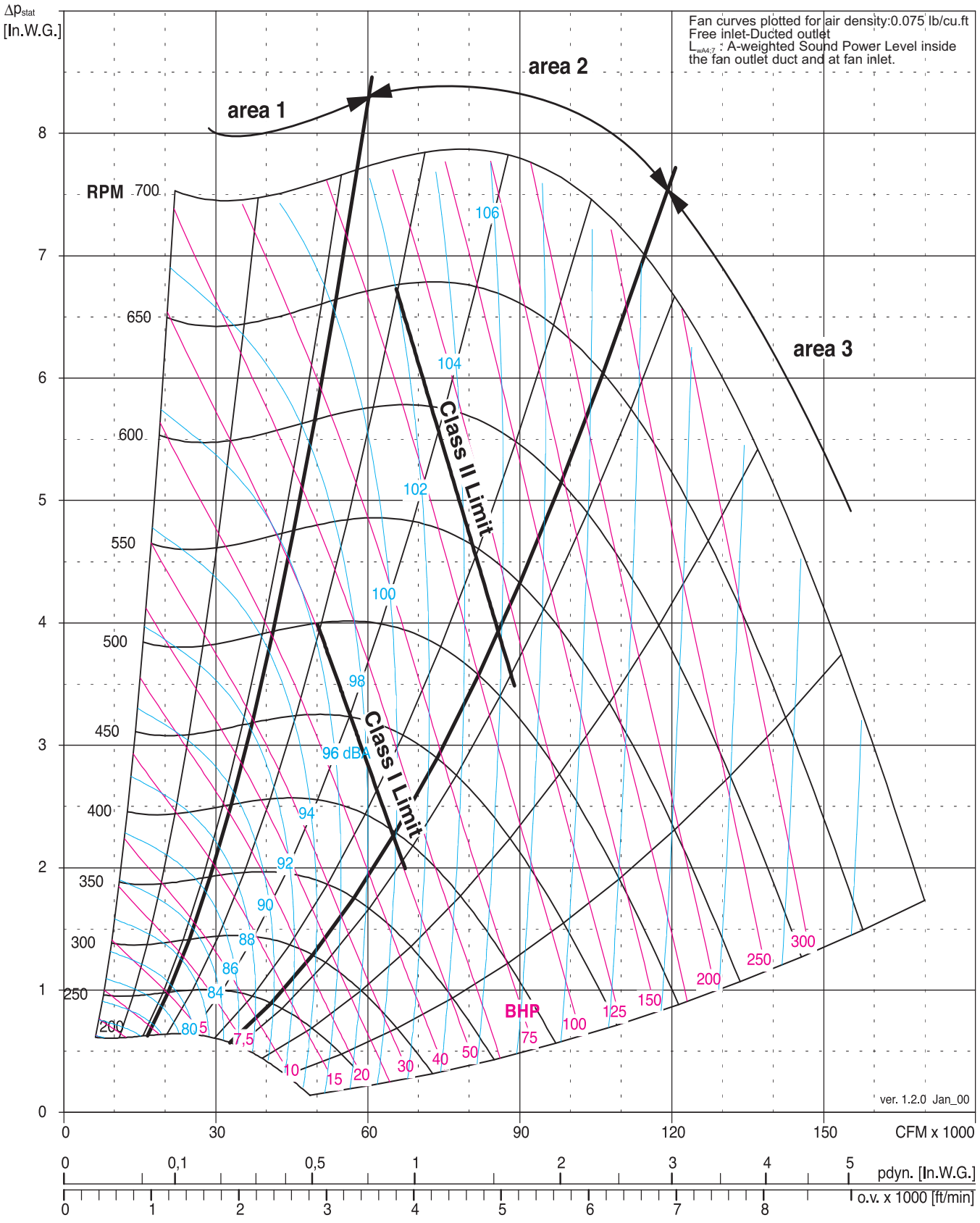
Δp_{stat} [In.W.G]																								
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000			198	0.84	240	1.39	275	2.02																		
8000			198	1	242	1.62	279	2.3	339	3.84	388	5.57														
10000			196	1.2	242	1.87	280	2.61	342	4.28	393	6.13	437	8.15	476	10.3	512	12.6								
12000			193	1.44	240	2.16	279	2.96	343	4.74	395	6.72	441	8.87	481	11.2	517	13.6	551	16.1	582	18.8	611	21.6		
14000			192	1.74	237	2.51	277	3.36	342	5.25	396	7.34	443	9.61	484	12	521	14.6	555	17.3	587	20.1	617	23	646	26
16000			193	2.09	236	2.92	274	3.82	340	5.81	395	8.02	443	10.4	485	13	523	15.6	558	18.4	591	21.3	622	24.4	651	27.5
18000			195	2.51	235	3.4	273	4.36	338	6.45	393	8.76	442	11.3	485	13.9	524	16.7	560	19.6	593	22.7	624	25.8	654	29.1
20000			198	2.99	236	3.96	272	4.98	335	7.17	391	9.58	440	12.2	484	15	524	17.9	560	20.9	594	24.1	626	27.3	656	30.7
22000			202	3.53	238	4.6	272	5.68	334	7.98	389	10.5	438	13.2	482	16.1	522	19.1	559	22.2	594	25.5	626	28.9	657	32.4
24000			207	4.15	241	5.3	274	6.47	333	8.9	387	11.5	435	14.3	480	17.3	520	20.4	558	23.7	593	27.1	626	30.6	657	34.2
26000			212	4.83	245	6.09	276	7.34	333	9.91	385	12.6	433	15.5	477	18.6	518	21.8	556	25.2	591	28.7	624	32.3	656	36.1
28000			218	5.59	250	6.96	279	8.31	334	11	384	13.9	431	16.9	475	20.1	515	23.4	553	26.9	589	30.5	622	34.2	654	38
30000			224	6.45	255	7.91	283	9.37	336	12.3	384	15.3	430	18.4	473	21.6	513	25.1	551	28.6	587	32.3	620	36.2	652	40.1
32000	197	5.95	231	7.4	261	8.96	288	10.5	338	13.6	385	16.7	430	20	471	23.4	511	26.9	549	30.6	584	34.4	618	38.3	650	42.3
34000	204	6.98	237	8.45	266	10.1	293	11.8	342	15	387	18.3	430	21.7	471	25.2	510	28.9	547	32.6	582	36.5	615	40.6	647	44.7
36000	213	8.14	244	9.63	272	11.4	298	13.1	345	16.6	389	20.1	431	23.6	471	27.2	509	31	545	34.8	580	38.9	613	43	645	47.2
38000	221	9.43	251	10.9	279	12.7	304	14.6	350	18.3	392	21.9	433	25.6	471	29.4	508	33.3	544	37.2	578	41.4	611	45.6	643	49.9
40000	229	10.9	258	12.4	285	14.2	310	16.2	354	20.1	396	23.9	435	27.8	472	31.7	509	35.7	543	39.8	577	44	610	48.4	641	52.8
42000	238	12.5	266	13.9	292	15.8	316	17.9	360	22	400	26	438	30.1	474	34.2	509	38.3	543	42.5	576	46.9	608	51.3	639	55.9
44000	247	14.2	273	15.7	299	17.6	322	19.7	365	24	404	28.3	441	32.5	477	36.8	511	41.1	544	45.4	576	49.9	608	54.4	638	59.1
46000	256	16.2	281	17.6	306	19.5	329	21.7	371	26.2	409	30.6	445	35.1	480	39.5	513	44	545	48.5	577	53.1	607	57.8	637	62.6
48000	265	18.3	289	19.7	313	21.6	335	23.8	376	28.5	414	33.2	449	37.8	483	42.4	515	47.1	547	51.7	578	56.5	608	61.3	637	66.2
50000	274	20.6	297	21.9	320	23.9	342	26.1	382	31	419	35.8	454	40.7	487	45.5	518	50.3	549	55.2	579	60.1	609	65	637	70
50500	276	21.2	299	22.5	322	24.5	344	26.7	384	31.6	421	36.5	455	41.4	488	46.3	519	51.2	550	56.1	580	61	609	66	638	71
51000	278	21.8	301	23.1	324	25.1	345	27.3	385	32.2	422	37.2	456	42.2	489	47.1	520	52	551	56.9	580	61.9	609	66.9	638	72
51500	281	22.5	303	23.7	326	25.7	347	28	387	32.9	423	37.9	457	42.9	490	47.9	521	52.9	551	57.9	581	62.8	610	67.9	638	73.1
52000	283	23.1	305	24.4	327	26.3	349	28.6	389	33.6	425	38.6	459	43.7	491	48.7	522	53.7	552	58.8	581	63.8	610	68.9	638	74.1
54000	292	25.8	313	27	335	28.9	356	31.3	395	36.4	430	41.6	464	46.9	495	52.1	526	57.3	555	62.5	584	67.8	612	73		
56000	302	28.7	322	29.9	343	31.8	363	34.1	401	39.3	436	44.8	469	50.2	500	55.7	530	61.1	559	66.5	587	71.9				
56500	304	29.5	324	30.7	345	32.5	365	34.9	403	40.1	438	45.6	470	51.1	501	56.6	531	62	560	67.5	587	72.9				
57000	306	30.3	326	31.4	347	33.3	367	35.6	405	40.9	439	46.4	472	52	502	57.5	532	63	560	68.5	588	74				
57500	309	31.1	328	32.2	349	34.1	369	36.4	406	41.7	441	47.3	473	52.9	504	58.5	533	64	561	69.6						
58000	311	31.9	330	33	351	34.8	371	37.2	408	42.5	442	48.1	474	53.8	505	59.4	534	65	562	70.6						
60000	321	35.3	339	36.3	359	38.1	378	40.4	415	45.8	449	51.6	480	57.5	510	63.3	539	69.1	567	74.9						
60500	323	36.1	341	37.2	361	39	380	41.3	416	46.7	450	52.5	482	58.4	511	64.3	540	70.2								
61000	325	37	343	38.1	363	39.8	382	42.2	418	47.6	452	53.4	483	59.4	513	65.3	541	71.3								
61500	328	37.9	346	39	365	40.7	384	43	420	48.5	453	54.4	484	60.4	514	66.4	542	72.3								
62000	330	38.9	348	39.9	367	41.6	385	43.9	422	49.4	455	55.3	486	61.3	515	67.4	544	73.4								
64000	340	42.7	357	43.7	375	45.4	393	47.7	428	53.1	461	59.2	492	65.4	521	71.7										
66000	349	46.8	366	47.7	383	49.4	401	51.6	436	57.1	468	63.3	498	69.7												
67000	354	48.9	370	49.8	387	51.5	405	53.7	439	59.2	471	65.5	501	71.9												
68000	359	51.1	375	52	392	53.6	409	55.8	443	61.4	475	67.6	504	74.2												
69000	364	53.4	379	54.3	396	55.9	413	58.1	446	63.6	478	69.9														
70000	369	55.8	384	56.6	400	58.2	417	60.3	450	65.8	481	72.2														
71000	374	58.2	388	59	404	60.5	421	62.7	454	68.2	485	74.6														
72000	378	60.7	393	61.5	409	63	425	65.1	457	70.6																
73000	383	63.2	398	64	413	65.5	429	67.6	461	73																
74000	388	65.8	402	66.6	418	68.1	433	70.1																		

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 36-36	Area 1	RPM < 257	**10.8**	8	5	2	-3	-5	-11	-20	-28
		258 <RPM< 507	**10.4**	8	4	1	-3	-5	-10	-17	-26
		RPM > 508	**9.8**	7	4	0	-3	-5	-10	-14	-24
	Area 2	RPM < 257	**8.6**	4	4	1	-3	-6	-9	-18	-27
		258 <RPM< 507	**8.0**	4	1	2	-3	-5	-9	-14	-23
		RPM > 508	**6.5**	2	0	-2	-1	-5	-9	-13	-21
	Area 3	RPM < 257	**7.0**	2	2	-1	-3	-5	-9	-13	-23
		258 <RPM< 507	**6.2**	2	-2	0	-4	-4	-9	-13	-20
		RPM > 508	**6.1**	2	-1	-3	-2	-5	-8	-12	-16

comefri

ATLI 40-40	B	R	T1	T2
Fan Max RPM [min^{-1}]	-	-	550	600
Fan Max BHP	-	-	55	75
Fan Outlet Area O.A. [ft^2]	17.27			
Fan weight [Lb]	-	-	811.4	895.7
Wheel diameter [in.]	38.98			
Wheel width [in.]	32.13			
Wheel No. Blades	48			
Wheel Moment of Inertia [Lb ft^2]	-	-	345	350
Wheel weight [Lb]	-	-	194.23	214.5



ATLI 40-40 T1 / T2

Δp_{stat} [In.W.G]																								
V	0,25		0,5		0,75		1		1,5		2		2,5		3		3,5		4		4,5		5		5,5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000			181	1.3	222	2.16	256	3.13	312	5.33																
11000			181	1.46	222	2.38	256	3.42	313	5.75	360	8.37	402	11.3												
13000			180	1.65	221	2.63	256	3.72	314	6.17	362	8.93	404	12	441	15.2	475	18.6								
15000			178	1.87	220	2.9	256	4.05	314	6.62	362	9.49	405	12.6	443	16	477	19.6	509	23.4	539	27.3	568	31.4		
17000			177	2.13	219	3.21	255	4.41	314	7.09	363	10.1	405	13.4	444	16.9	479	20.6	511	24.5	541	28.6	570	32.8	597	37.2
19000			176	2.43	218	3.56	253	4.8	313	7.6	362	10.7	406	14.1	444	17.7	479	21.6	512	25.6	543	29.8	571	34.2	598	38.8
21000			177	2.78	217	3.95	252	5.25	312	8.14	362	11.4	405	14.9	444	18.6	480	22.6	513	26.7	543	31.1	572	35.6		
23000			177	3.19	216	4.41	251	5.75	311	8.74	361	12.1	405	15.7	444	19.6	480	23.6	513	27.9	544	32.4	573	37		
25000			179	3.64	216	4.92	250	6.3	309	9.39	360	12.8	404	16.6	443	20.5	479	24.7	513	29.1	544	33.7	573	38.5		
27000			181	4.16	217	5.49	250	6.93	308	10.1	358	13.6	403	17.5	442	21.6	479	25.9	512	30.4	544	35.1	573	40		
29000			184	4.73	218	6.13	250	7.61	307	10.9	357	14.5	401	18.5	441	22.6	478	27.1	512	31.7	543	36.5	573	41.5		
31000			188	5.36	220	6.83	250	8.38	306	11.8	356	15.5	400	19.5	440	23.8	477	28.3	511	33.1	543	38	573	43.1		
33000			192	6.06	222	7.61	251	9.22	306	12.7	355	16.5	399	20.6	439	25	476	29.7	510	34.5	542	39.5	572	44.8		
35000			196	6.81	225	8.45	253	10.1	306	13.7	354	17.6	398	21.8	438	26.3	474	31.1	509	36	541	41.2	571	46.5		
37000	173	5.9	201	7.64	228	9.37	255	11.1	306	14.8	353	18.8	396	23.1	436	27.7	473	32.6	507	37.6	540	42.9	570	48.3	599	53.9
39000	179	6.7	206	8.55	232	10.4	258	12.2	307	16	353	20.1	396	24.5	435	29.2	472	34.1	506	39.3	538	44.7	569	50.2	598	55.9
41000	185	7.58	211	9.53	236	11.5	261	13.4	308	17.3	353	21.5	395	26	434	30.8	471	35.8	505	41.1	537	46.5	568	52.2	597	58
43000	192	8.55	216	10.6	240	12.6	264	14.6	310	18.7	353	23	395	27.6	433	32.5	469	37.6	504	42.9	536	48.5	566	54.3	595	60.2
45000	198	9.6	222	11.7	245	13.9	268	16	312	20.2	354	24.6	395	29.3	433	34.3	469	39.5	502	44.9	535	50.6	565	56.4	594	62.5
46000	202	10.2	225	12.3	248	14.5	270	16.7	313	21	355	25.5	395	30.2	432	35.2	468	40.5	502	46	534	51.7	564	57.6	593	63.7
49000	212	12	234	14.3	255	16.6	276	18.9	317	23.5	357	28.2	395	33.1	432	38.3	467	43.6	501	49.3	532	55.1	562	61.1	591	67.4
51000	219	13.3	240	15.7	261	18.1	281	20.5	320	25.3	359	30.1	396	35.2	432	40.4	467	45.9	500	51.6	531	57.6	561	63.7	590	70
53000	225	14.7	246	17.2	266	19.7	286	22.2	324	27.2	361	32.2	398	37.4	433	42.7	467	48.3	499	54.1	530	60.1	560	66.4	589	72.8
55000	232	16.3	252	18.8	272	21.4	291	24	328	29.2	364	34.4	399	39.6	434	45.1	467	50.8	499	56.7	530	62.8	560	69.2		
57000	239	17.9	259	20.6	277	23.3	296	26	332	31.3	367	36.6	401	42.1	435	47.7	468	53.5	499	59.5	530	65.7	559	72.1		
59000	246	19.7	265	22.4	283	25.2	301	28	336	33.5	370	39	404	44.6	436	50.4	468	56.3	499	62.4	529	68.7				
61000	253	21.6	272	24.4	289	27.3	307	30.2	340	35.9	374	41.6	406	47.3	438	53.2	469	59.2	500	65.4	529	71.9				
63000	260	23.6	278	26.5	296	29.4	312	32.4	345	38.3	377	44.2	409	50.2	440	56.2	471	62.3	501	68.7						
64000	264	24.7	282	27.6	299	30.6	315	33.6	347	39.6	379	45.6	411	51.6	441	57.7	472	63.9	501	70.3						
65000	268	25.8	285	28.7	302	31.7	318	34.8	350	40.9	381	47	412	53.1	443	59.3	473	65.6	502	72						
67000	275	28	292	31	308	34.2	324	37.3	355	43.7	385	49.9	415	56.2	445	62.5	474	68.9								
68000	278	29.2	295	32.2	311	35.4	327	38.6	357	45.1	388	51.4	417	57.8	447	64.2	475	70.7								
69000	282	30.4	298	33.5	314	36.7	330	40	360	46.5	390	53	419	59.4	448	65.9	477	72.5								
71000	289	33	305	36.1	321	39.4	336	42.8	365	49.5	394	56.1	423	62.8	451	69.4										
72000	293	34.3	309	37.5	324	40.8	339	44.2	368	51	397	57.8	425	64.5	453	71.3										
73000	296	35.7	312	38.9	327	42.2	342	45.7	371	52.6	399	59.5	427	66.3	455	73.1										
75000	304	38.5	319	41.8	334	45.2	348	48.8	376	55.9	404	62.9	431	69.9												
77000	311	41.5	326	44.8	340	48.3	354	52	382	59.3	409	66.5	435	73.7												
79000	318	44.7	333	48	347	51.6	361	55.3	388	62.8	414	70.3														
81000	325	48	340	51.4	354	55.1	367	58.9	394	66.6	419	74.2														
83000	333	51.5	347	55	360	58.7	374	62.5	399	70.4																
85000	340	55.1	354	58.7	367	62.5	380	66.4	405	74.4																
87000	347	59	361	62.5	374	66.4	387	70.4																		
89000	355	63	368	66.6	381	70.5	393	74.6																		
91000	362	67.1	375	70.8	388	74.8																				

T1

T2

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{woct4} 63	ΔL_{woct4} 125	ΔL_{woct4} 250	ΔL_{woct4} 500	ΔL_{woct4} 1000	ΔL_{woct4} 2000	ΔL_{woct4} 4000	ΔL_{woct4} 8000
ATLI 40-40	Area 1	RPM < 225	**11.1**	9	4	2	-4	-6	-12	-20	-26
		226 <RPM< 444	**11.7**	10	4	1	-3	-5	-10	-16	-25
		RPM > 445	**10.9**	9	4	0	-3	-5	-10	-14	-24
	Area 2	RPM < 225	**9.1**	6	3	1	-3	-6	-10	-16	-25
		226 <RPM< 444	**8.9**	6	1	2	-3	-5	-9	-14	-23
		RPM > 445	**6.9**	3	0	-2	-1	-5	-9	-13	-21
	Area 3	RPM < 225	**7.8**	4	2	0	-3	-5	-9	-14	-23
		226 <RPM< 444	**6.6**	3	-2	0	-4	-4	-9	-13	-20
		RPM > 445	**5.9**	2	-3	-2	-2	-5	-8	-12	-16

8. Fan dimensions

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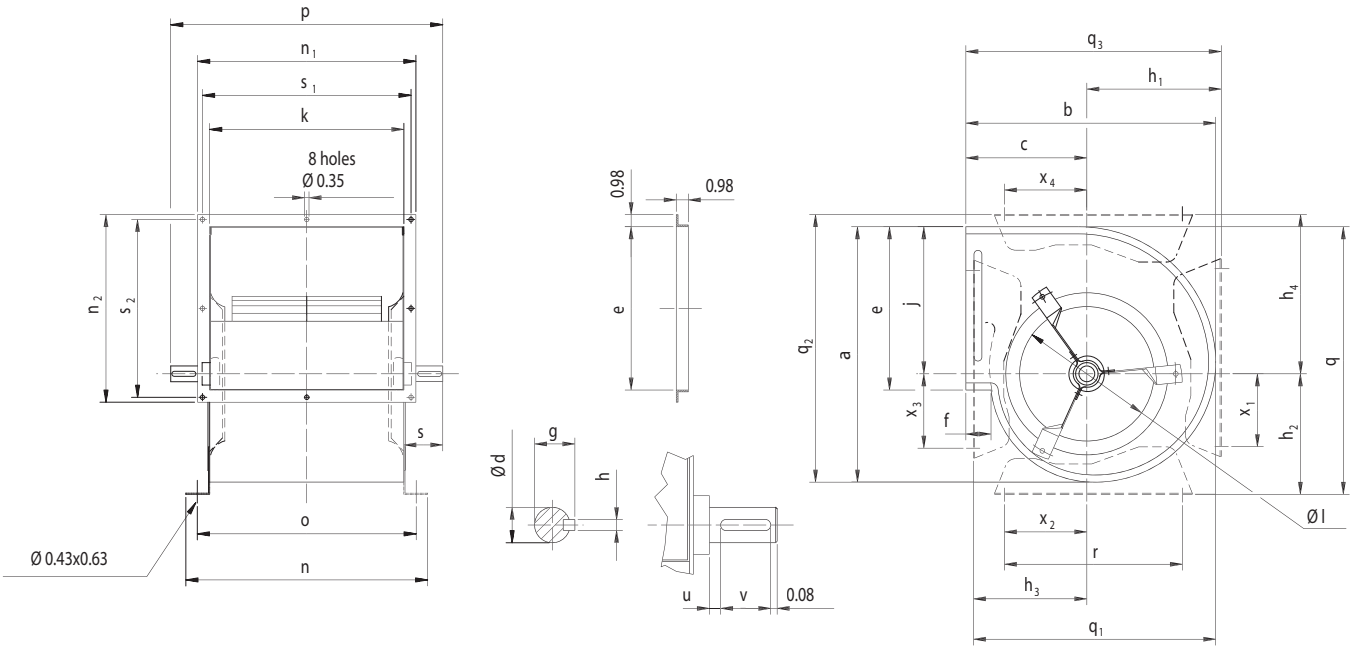
8.1. ATLI 7-7 B to 18-18 B

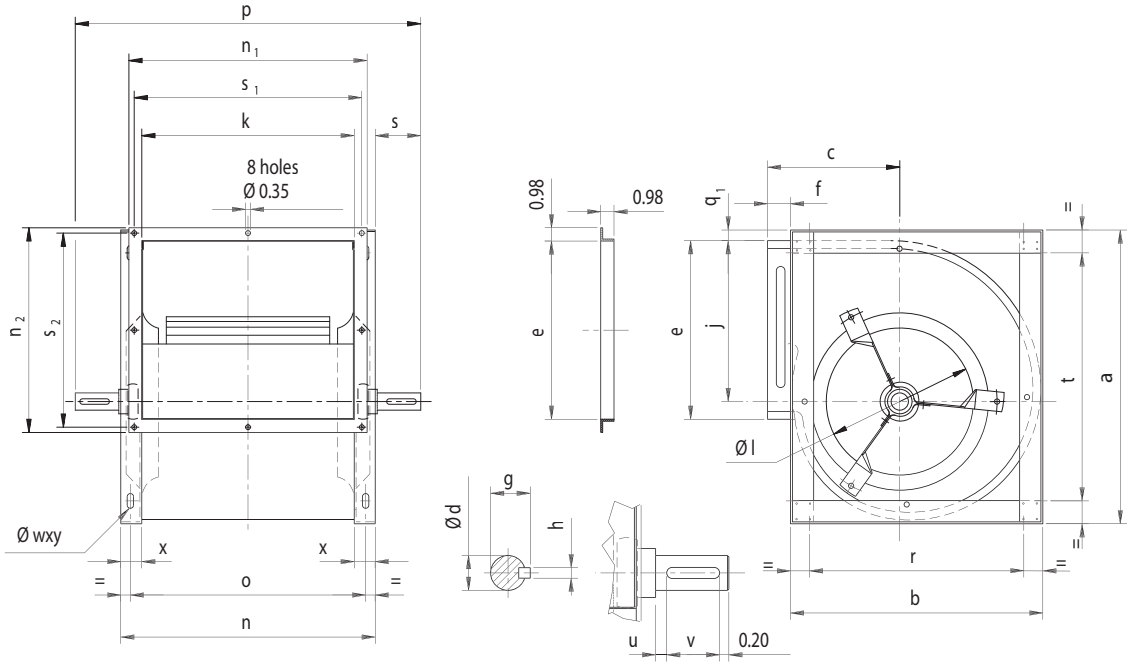


	a	b	c	Ø d	e	f	g	h	h_1	h_2	h_3	h_4	j	k	Ø l	n	n_1
ATLI 7-7 B	12.78	12.46	6.02	3/4" RI	8.19	1.26	0.83	3/16"	6.65	5.71	5.79	7.99	7.35	9.13	6.69	11.10	11.10
ATLI 9-4 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	6.81	7.80	8.78	8.78
ATLI 9-6 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	8.27	7.80	10.24	10.24
ATLI 9-7 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	9.13	7.80	11.10	11.10
ATLI 9-8 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	10.43	7.80	12.40	12.40
ATLI 9-9 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	11.73	7.80	13.70	13.70
ATLI 10-7 B	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	8.94	7.80	7.76	11.30	9.80	9.69	8.78	11.65	11.65
ATLI 10-8 B	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	8.94	7.80	7.76	11.30	9.80	10.43	8.78	12.40	12.40
ATLI 10-9 B	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	8.94	7.80	7.76	11.30	9.80	12.24	8.78	14.21	14.21
ATLI 10-10 B	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	8.94	7.80	7.76	11.30	9.80	13.03	8.78	15.00	15.00
ATLI 12-9 B	20.61	19.40	9.09	1" RI	13.45	1.57	1.11	1/4"	10.47	9.13	8.82	13.07	11.65	12.17	10.24	14.13	14.13
ATLI 12-12 B	20.61	19.40	9.09	1" RI	13.45	1.57	1.11	1/4"	10.47	9.13	8.82	13.07	11.65	15.55	10.24	17.52	17.52
ATLI 15-11 B	23.94	22.36	10.39	1" RI	15.87	1.57	1.11	1/4"	12.17	10.71	10.16	14.96	13.46	14.69	12.52	16.65	16.65
ATLI 15-15 B	23.94	22.36	10.39	1" RI	15.87	1.57	1.11	1/4"	12.17	10.71	10.16	14.96	13.46	18.54	12.52	20.51	20.51
ATLI 18-13 B	29.06	26.89	12.36	1" RI	18.78	1.57	1.11	1/4"	14.80	13.39	12.09	17.99	16.34	17.36	15.47	19.33	19.33
ATLI 18-18 B	29.06	26.89	12.36	1" RI	18.78	1.57	1.11	1/4"	14.80	13.39	12.09	17.99	16.34	21.93	15.47	23.90	23.90

	n_2	o	p	q	q_1	q_2	q_3	r	s	s_1	s_2	u	v	x_1	x_2	x_3	x_4
ATLI 7-7 B	9.92	10.16	12.68	13.06	12.22	13.41	12.68	8.86	1.77	10.31	9.13	0.20	0.98	3.39	3.46	1.85	4.61
ATLI 9-4 B	12.01	7.83	10.35	15.43	14.72	16.72	15.20	11.81	1.77	7.99	11.22	0.20	0.98	4.88	4.84	4.72	4.69
ATLI 9-6 B	12.01	9.29	11.81	15.43	14.72	16.72	15.20	11.81	1.77	9.45	11.22	0.20	0.98	4.88	4.84	4.72	4.69
ATLI 9-7 B	12.01	10.16	12.68	15.43	14.72	16.72	15.20	11.81	1.77	10.31	11.22	0.20	0.98	4.88	4.84	4.72	4.69
ATLI 9-8 B	12.01	11.46	14.02	15.43	14.72	16.72	15.20	11.81	1.79	11.61	11.22	0.22	0.98	4.88	4.84	4.72	4.69
ATLI 9-9 B	12.01	12.76	15.28	15.43	14.72	16.72	15.20	11.81	1.77	12.91	11.22	0.20	0.98	4.88	4.84	4.72	4.69
ATLI 10-7 B	13.15	10.71	13.23	17.59	16.53	18.93	17.01	13.39	1.77	10.87	12.36	0.20	0.98	5.20	5.31	5.20	5.35
ATLI 10-8 B	13.15	11.46	14.02	17.59	16.53	18.93	17.01	13.39	1.79	11.61	12.36	0.22	0.98	5.20	5.31	5.20	5.35
ATLI 10-9 B	13.15	13.27	15.98	17.59	16.53	18.93	17.01	13.39	1.87	13.43	12.36	0.30	0.98	5.20	5.31	5.20	5.35
ATLI 10-10 B	13.15	14.06	16.57	17.59	16.53	18.93	17.01	13.39	1.77	14.21	12.36	0.20	0.98	5.20	5.31	5.20	5.35
ATLI 12-9 B	15.16	13.19	16.38	20.79	19.13	22.04	19.57	16.06	2.11	13.35	14.37	0.31	1.38	6.02	6.34	6.02	6.34
ATLI 12-12 B	15.16	16.57	19.76	20.79	19.13	22.04	19.57	16.06	2.11	16.73	14.37	0.31	1.38	6.02	6.34	6.02	6.34
ATLI 15-11 B	17.60	15.71	18.70	24.17	22.13	25.43	22.56	19.49	2.01	15.87	16.81	0.22	1.38	8.31	7.91	7.87	7.76
ATLI 15-15 B	17.60	19.57	22.99	24.17	22.13	25.43	22.56	19.49	2.22	19.72	16.81	0.43	1.38	8.31	7.91	7.87	7.76
ATLI 18-13 B	20.51	18.39	24.37	29.72	26.61	30.71	27.17	23.94	3.50	18.54	19.72	0.73	2.36	11.14	10.94	11.34	10.31
ATLI 18-18 B	20.51	22.95	28.98	29.72	26.61	30.71	27.17	23.94	3.52	23.11	19.72	0.75	2.36	11.14	10.94	11.34	10.31

RI = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **R**ubber **I**nterliner

8.2. ATLI 7-7 R to 18-18 R

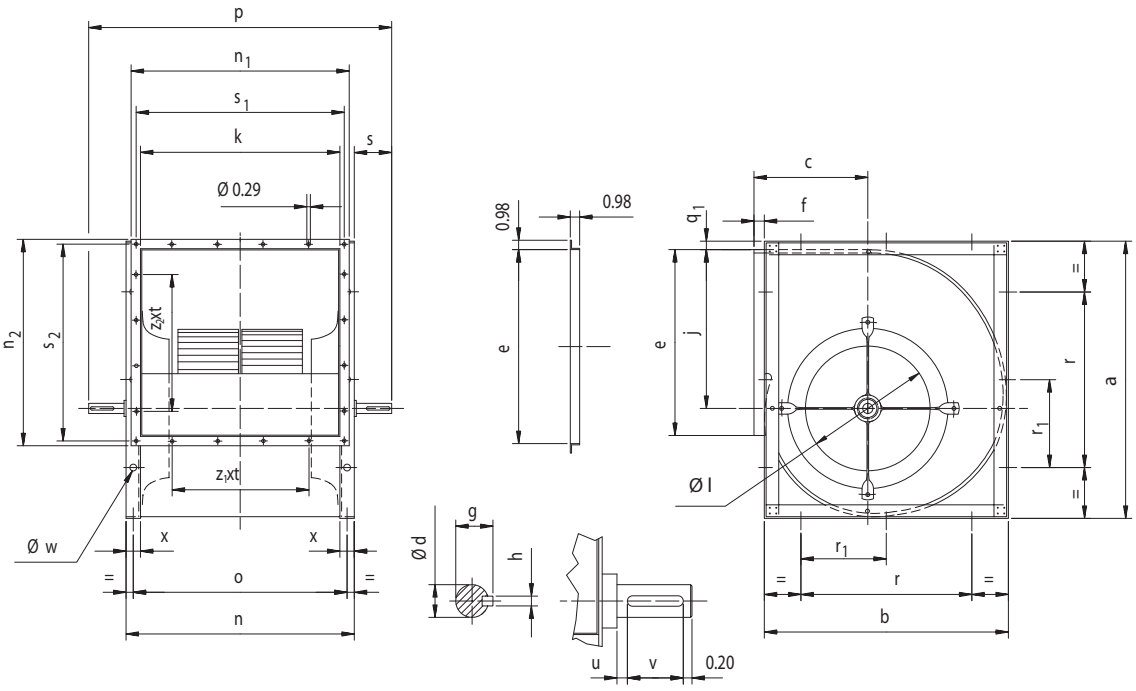


	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n_1
ATLI 7-7 R	13.27	11.22	6.02	3/4" RI	8.19	1.42	0.83	3/16"	7.35	9.13	6.69	11.10	11.10
ATLI 9-4 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	6.81	7.80	9.81	8.78
ATLI 9-6 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	8.27	7.80	11.27	10.24
ATLI 9-7 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	9.13	7.80	12.13	11.10
ATLI 9-8 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	10.43	7.80	13.43	12.40
ATLI 9-9 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	11.73	7.80	14.73	13.70
ATLI 10-7 R	18.62	15.83	8.07	3/4" RI	11.36	0.98	0.83	3/16"	9.80	9.69	8.78	12.69	11.65
ATLI 10-8 R	18.62	15.83	8.07	3/4" RI	11.36	0.98	0.83	3/16"	9.80	10.43	8.78	13.43	12.40
ATLI 10-9 R	18.62	15.83	8.07	3/4" RI	11.36	0.98	0.83	3/16"	9.80	12.24	8.78	15.24	14.21
ATLI 10-10 R	18.62	15.83	8.07	3/4" RI	11.36	0.98	0.83	3/16"	9.80	13.03	8.78	16.03	15.00
ATLI 12-9 R	21.61	18.62	9.09	1" RI	13.45	0.98	1.11	1/4"	11.65	12.17	10.24	15.17	14.13
ATLI 12-12 R	21.61	18.62	9.09	1" RI	13.45	0.98	1.11	1/4"	11.65	15.55	10.24	18.55	17.52
ATLI 15-11 R	25.51	21.93	10.39	1" RI	15.87	0.98	1.11	1/4"	13.46	14.69	12.52	17.69	16.65
ATLI 15-15 R	25.51	21.93	10.39	1" RI	15.87	0.98	1.11	1/4"	13.46	18.54	12.52	21.54	20.51
ATLI 18-13 R	30.43	26.26	12.36	1" RI	18.78	0.98	1.11	1/4"	16.34	17.36	15.47	20.36	19.33
ATLI 18-18 R	30.43	26.26	12.36	1" RI	18.78	0.98	1.11	1/4"	16.34	21.93	15.47	24.93	23.90

	n_2	o	p	q_1	r	s	s_1	s_2	t	u	v	Ø w x y	x
ATLI 7-7 R	9.92	10.00	17.44	0.20	8.27	3.17	10.31	9.13	10.31	0.69	1.77	0.35x0.47	0.98
ATLI 9-4 R	12.01	8.54	15.08	1.00	12.17	2.64	7.99	11.22	14.69	0.67	1.77	0.44x0.88	1.50
ATLI 9-6 R	12.01	10.00	16.50	1.00	12.17	2.62	9.45	11.22	14.69	0.65	1.77	0.44x0.88	1.50
ATLI 9-7 R	12.01	10.86	17.44	1.00	12.17	2.66	10.31	11.22	14.69	0.69	1.77	0.44x0.88	1.50
ATLI 9-8 R	12.01	12.17	18.74	1.00	12.17	2.66	11.61	11.22	14.69	0.69	1.77	0.44x0.88	1.50
ATLI 9-9 R	12.01	13.46	20.08	1.00	12.17	2.68	12.91	11.22	14.69	0.71	1.77	0.44x0.88	1.50
ATLI 10-7 R	13.15	11.48	17.95	1.00	13.83	2.64	10.87	12.36	16.62	0.67	1.77	0.44x0.88	1.50
ATLI 10-8 R	13.15	12.23	18.74	1.00	13.83	2.66	11.61	12.36	16.62	0.69	1.77	0.44x0.88	1.50
ATLI 10-9 R	13.15	14.04	20.24	1.00	13.83	2.50	13.43	12.36	16.62	0.53	1.77	0.44x0.88	1.50
ATLI 10-10 R	13.15	14.82	21.38	1.00	13.83	2.68	14.21	12.36	16.62	0.71	1.77	0.44x0.88	1.50
ATLI 12-9 R	15.16	14.00	20.51	0.88	16.62	2.68	13.35	14.37	19.61	0.49	1.77	0.44x0.88	1.50
ATLI 12-12 R	15.16	17.38	24.76	0.88	16.62	3.11	16.73	14.37	19.61	0.93	1.77	0.44x0.88	1.50
ATLI 15-11 R	17.60	16.47	23.39	1.00	19.93	2.85	15.87	16.81	23.51	0.67	1.77	0.44x0.88	1.50
ATLI 15-15 R	17.60	20.33	27.87	1.00	19.93	3.17	19.72	16.81	23.51	0.98	1.77	0.44x0.88	1.50
ATLI 18-13 R	20.51	19.09	27.64	0.98	24.26	3.64	18.54	19.72	28.43	0.87	2.36	0.44x0.88	1.50
ATLI 18-18 R	20.51	23.66	32.52	0.98	24.26	3.80	23.11	19.72	28.43	1.02	2.36	0.44x0.88	1.50

RI = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **R**ubber **I**nterliner

8.3. ATLI 20-15 R to 28-28 R

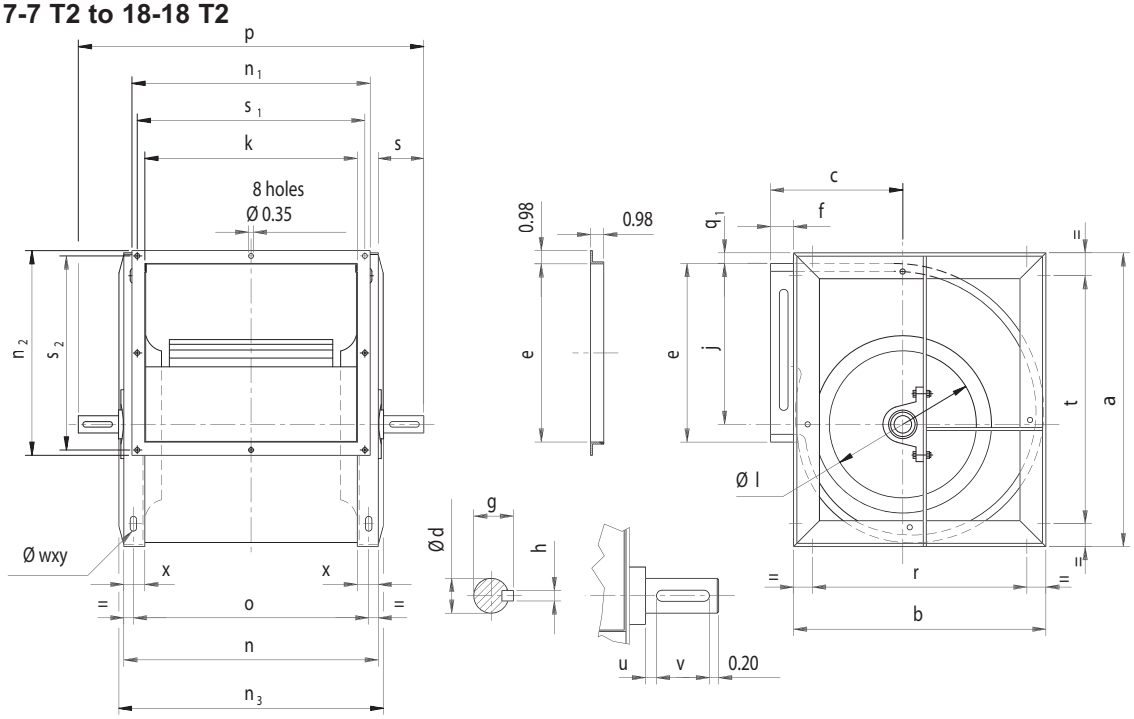


	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n_1	n_2
ATLI 20-15 R	36.14	29.29	13.86	1-3/8" RI	25.12	2.21	1.51	5/16"	21.26	20.12	16.22	23.27	22.13	27.13
ATLI 20-18 R	36.14	29.29	13.86	1-3/8" RI	25.12	2.21	1.51	5/16"	21.26	23.12	16.22	26.27	25.13	27.13
ATLI 20-20 R	36.14	29.29	13.86	1-3/8" RI	25.12	2.21	1.51	5/16"	21.26	25.12	16.22	28.27	27.13	27.13
ATLI 22-15 R	40.55	32.99	15.35	1-1/2" RI	28.15	2.13	1.66	3/8"	23.84	21.15	18.19	25.09	23.16	30.16
ATLI 22-20 R	40.55	32.99	15.35	1-1/2" RI	28.15	2.13	1.66	3/8"	23.84	26.15	18.19	30.09	28.16	30.16
ATLI 22-22 R	40.55	32.99	15.35	1-1/2" RI	28.15	2.13	1.66	3/8"	23.84	28.15	18.19	32.09	30.16	30.16
ATLI 25-20 R	45.59	36.85	17.09	1-1/2" RI	31.54	2.44	1.66	3/8"	26.79	26.54	20.39	30.48	28.55	33.55
ATLI 25-22 R	45.59	36.85	17.09	1-1/2" RI	31.54	2.44	1.66	3/8"	26.79	28.54	20.39	32.48	30.55	33.55
ATLI 25-25 R	45.59	36.85	17.09	1-1/2" RI	31.54	2.44	1.66	3/8"	26.79	31.54	20.39	35.48	33.55	33.55
ATLI 28-22 R	51.34	41.26	19.09	1-15/16" RI	35.35	2.81	2.17	1/2"	30.19	30.35	22.95	34.29	32.36	37.36
ATLI 28-25 R	51.34	41.26	19.09	1-15/16" RI	35.35	2.81	2.17	1/2"	30.19	33.35	22.95	37.29	35.36	37.36
ATLI 28-28 R	51.34	41.26	19.09	1-15/16" RI	35.35	2.81	2.17	1/2"	30.19	35.35	22.95	39.29	37.36	37.36

	o	p	q_1	r	r_1	s	s_1	s_2	u	v	Ø w	x	z_1 x t	z_2 x t
ATLI 20-15 R	21.69	29.45	0.16	17.71	8.86	3.09	21.30	26.30	0.95	1.57	0.47	1.57	4 x 3.54	6 x 3.54
ATLI 20-18 R	24.69	32.44	0.16	17.71	8.86	3.09	24.30	26.30	0.94	1.57	0.47	1.57	5 x 3.54	6 x 3.54
ATLI 20-20 R	26.69	34.45	0.16	17.71	8.86	3.09	26.30	26.30	0.95	1.57	0.47	1.57	6 x 3.54	4 x 3.54
ATLI 22-15 R	23.12	32.40	0.22	19.69	9.84	3.66	22.33	29.33	0.99	2.36	0.59	1.97	5 x 3.54	7 x 3.54
ATLI 22-20 R	28.12	37.36	0.22	19.69	9.84	3.64	27.33	29.33	0.97	2.36	0.59	1.97	6 x 3.54	7 x 3.54
ATLI 22-22 R	30.12	39.37	0.22	19.69	9.84	3.64	29.33	29.33	0.98	2.36	0.59	1.97	7 x 3.54	7 x 3.54
ATLI 25-20 R	28.50	37.91	0.26	22.05	11.02	3.72	27.72	32.72	1.05	2.36	0.59	1.97	6 x 3.54	8 x 3.54
ATLI 25-22 R	30.50	39.92	0.26	22.05	11.02	3.72	29.72	32.72	1.06	2.36	0.59	1.97	7 x 3.54	8 x 3.54
ATLI 25-25 R	33.50	42.91	0.26	22.05	11.02	3.72	32.72	32.72	1.05	2.36	0.59	1.97	8 x 3.54	8 x 3.54
ATLI 28-22 R	32.72	43.03	0.24	24.80	12.40	4.37	31.53	36.53	0.82	3.15	0.71	1.97	7 x 3.54	9 x 3.54
ATLI 28-25 R	35.72	46.02	0.24	24.80	12.40	4.37	34.53	36.53	0.82	3.15	0.71	1.97	8 x 3.54	9 x 3.54
ATLI 28-28 R	37.72	48.03	0.24	24.80	12.40	4.37	36.53	36.53	0.82	3.15	0.71	1.97	9 x 3.54	9 x 3.54

RI = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **R**ubber **I**nterliner

8.4. ATLI 7-7 T2 to 18-18 T2

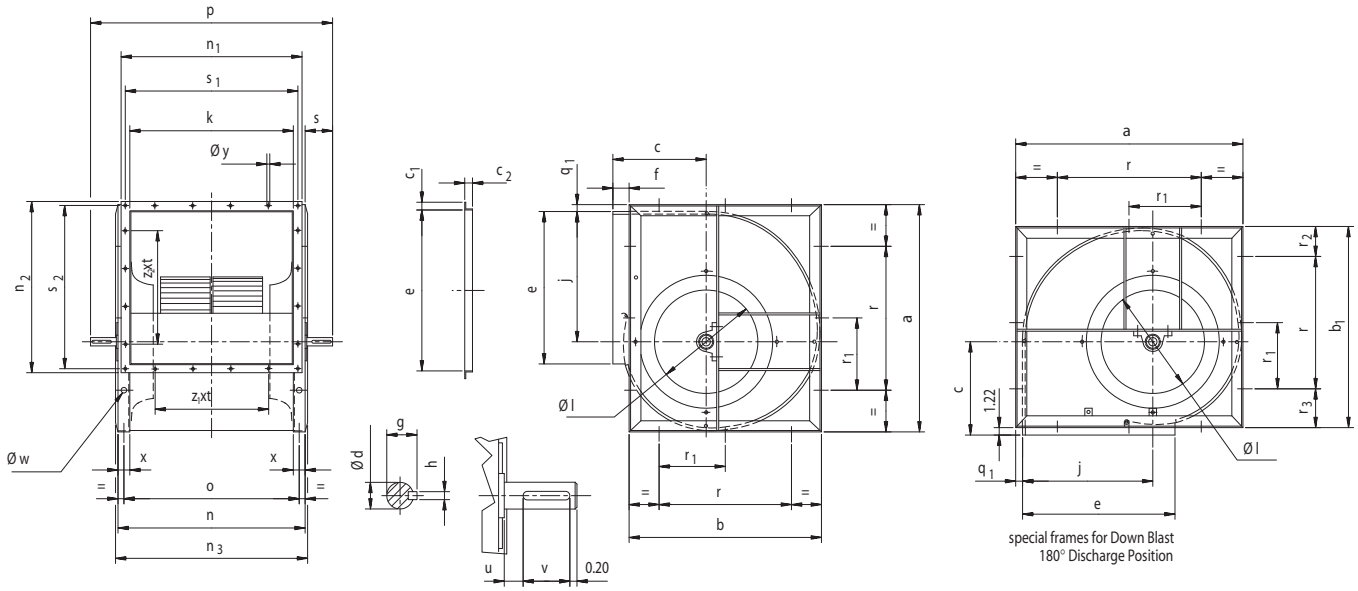


	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n_1	n_2
ATLI 7-7 T2	13.27	11.22	6.02	3/4" PB	8.19	1.42	0.83	3/16"	7.35	9.13	6.69	11.10	11.10	9.92
ATLI 9-4 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	6.81	7.80	9.81	8.78	12.01
ATLI 9-6 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	8.27	7.80	11.27	10.24	12.01
ATLI 9-7 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	9.13	7.80	12.13	11.10	12.01
ATLI 9-8 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	10.43	7.80	13.43	12.40	12.01
ATLI 9-9 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	11.73	7.80	14.73	13.70	12.01
ATLI 10-7 T2	18.62	15.83	8.07	3/4" PB	11.36	0.98	0.83	3/16"	9.80	9.69	8.78	12.69	11.65	13.15
ATLI 10-8 T2	18.62	15.83	8.07	3/4" PB	11.36	0.98	0.83	3/16"	9.80	10.43	8.78	13.43	12.40	13.15
ATLI 10-9 T2	18.62	15.83	8.07	3/4" PB	11.36	0.98	0.83	3/16"	9.80	12.24	8.78	15.24	14.21	13.15
ATLI 10-10 T2	18.62	15.83	8.07	3/4" PB	11.36	0.98	0.83	3/16"	9.80	13.03	8.78	16.03	15.00	13.15
ATLI 12-9 T2	21.61	18.62	9.09	1" PB	13.45	0.98	1.11	1/4"	11.65	12.17	10.24	15.17	14.13	15.16
ATLI 12-12 T2	21.61	18.62	9.09	1-3/16" PB	13.45	0.98	1.30	1/4"	11.65	15.55	10.24	18.55	17.52	15.16
ATLI 15-11 T2	25.51	21.93	10.39	1-3/16" PB	15.87	0.98	1.30	1/4"	13.46	14.69	12.52	17.69	16.65	17.60
ATLI 15-15 T2	25.51	21.93	10.39	1-3/16" PB	15.87	0.98	1.30	1/4"	13.46	18.54	12.52	21.54	20.51	17.60
ATLI 18-13 T2	30.43	26.26	12.36	1-3/16" PB	18.78	0.98	1.30	1/4"	16.34	17.36	15.47	20.36	19.33	20.51
ATLI 18-18 T2	30.43	26.26	12.36	1-7/16" PB	18.78	0.98	1.60	3/8"	16.34	21.93	15.47	24.93	23.90	20.51

	n_3	o	p	q_1	r	s	s_1	s_2	t	u	v	Ø w x y	x
ATLI 7-7 T2	11.10	10.00	17.44	0.20	8.27	3.17	10.31	9.13	10.31	0.45	1.77	0.35x0.47	0.98
ATLI 9-4 T2	9.81	8.54	15.08	1.00	12.17	2.64	7.99	11.22	14.69	0.43	1.77	0.44x0.88	1.50
ATLI 9-6 T2	11.27	10.00	16.50	1.00	12.17	2.62	9.45	11.22	14.69	0.41	1.77	0.44x0.88	1.50
ATLI 9-7 T2	12.13	10.87	17.44	1.00	12.17	2.66	10.31	11.22	14.69	0.45	1.77	0.44x0.88	1.50
ATLI 9-8 T2	13.43	12.17	18.74	1.00	12.17	2.66	11.61	11.22	14.69	0.45	1.77	0.44x0.88	1.50
ATLI 9-9 T2	14.73	13.46	20.08	1.00	12.17	2.68	12.91	11.22	14.69	0.47	1.77	0.44x0.88	1.50
ATLI 10-7 T2	12.69	11.48	17.95	1.00	13.83	2.64	10.87	12.36	16.62	0.43	1.77	0.44x0.88	1.50
ATLI 10-8 T2	13.43	12.23	18.74	1.00	13.83	2.66	11.61	12.36	16.62	0.45	1.77	0.44x0.88	1.50
ATLI 10-9 T2	15.24	14.04	20.24	1.00	13.83	2.50	13.43	12.36	16.62	0.30	1.77	0.44x0.88	1.50
ATLI 10-10 T2	16.03	14.82	21.38	1.00	13.83	2.68	14.21	12.36	16.62	0.47	1.77	0.44x0.88	1.50
ATLI 12-9 T2	15.56	14.00	20.51	0.88	16.62	2.68	13.35	14.37	19.61	0.37	1.77	0.44x0.88	1.50
ATLI 12-12 T2	18.94	17.38	24.76	0.88	16.62	3.11	16.73	14.37	19.61	0.67	1.77	0.44x0.88	1.50
ATLI 15-11 T2	18.16	16.47	23.39	1.00	19.93	2.85	15.87	16.81	23.51	0.39	1.77	0.44x0.88	1.50
ATLI 15-15 T2	22.01	20.33	27.87	1.00	19.93	3.17	19.72	16.81	23.51	0.70	1.77	0.44x0.88	1.50
ATLI 18-13 T2	21.22	19.09	27.64	0.98	24.26	3.64	18.54	19.72	28.43	0.58	2.36	0.44x0.88	1.50
ATLI 18-18 T2	25.79	23.66	32.52	0.98	24.26	3.80	23.11	19.72	28.43	0.54	2.36	0.44x0.88	1.50

PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **P**illow **B**lock cast iron housing

8.5. ATLI 20-15 T1/T2 to 40-40 T1/T2

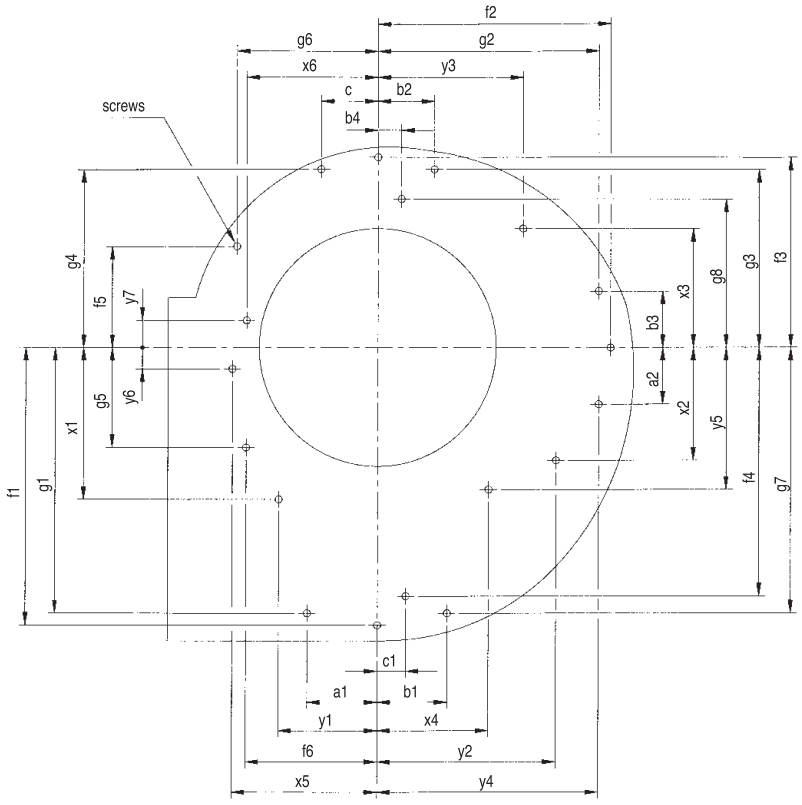


	a	b	b_1	c	c_1	c_2	Ø d		e	f	g		h		j	k	Ø l	n	n_1	n_2	n_3	
							T1	T2			T1	T2	T1	T2							T1	T2
ATLI 20-15 T	36.14	29.29	30.28	13.86	0.98	0.98	1-1/2" PB	1-11/16" PB	25.12	2.21	1.66	1.85	3/8"	3/8"	21.26	20.12	16.22	23.27	22.13	27.13	24.37	24.37
ATLI 20-18 T	36.14	29.29	30.28	13.86	0.98	0.98	1-1/2" PB	1-11/16" PB	25.12	2.21	1.66	1.85	3/8"	3/8"	21.26	23.12	16.22	26.27	25.13	27.13	27.37	27.37
ATLI 20-20 T	36.14	29.29	30.28	13.86	0.98	0.98	1-1/2" PB	1-11/16" PB	25.12	2.21	1.66	1.85	3/8"	3/8"	21.26	25.12	16.22	28.27	27.13	27.13	29.37	29.37
ATLI 22-15 T	40.55	32.99	33.90	15.35	0.98	0.98	1-1/2" PB	2" PB	28.15	2.13	1.66	2.22	3/8"	1/2"	23.84	21.15	18.19	25.09	23.16	30.16	25.48	26.26
ATLI 22-20 T	40.55	32.99	33.90	15.35	0.98	0.98	1-1/2" PB	2" PB	28.15	2.13	1.66	2.22	3/8"	1/2"	23.84	26.15	18.19	30.09	28.16	30.16	30.48	31.26
ATLI 22-22 T	40.55	32.99	33.90	15.35	0.98	0.98	1-1/2" PB	2" PB	28.15	2.13	1.66	2.22	3/8"	1/2"	23.84	28.15	18.19	32.09	30.16	30.16	32.48	33.26
ATLI 25-20 T	45.59	36.85	38.07	17.09	0.98	0.98	1-11/16" PB	2-7/16" PB	31.54	2.44	1.85	2.71	3/8"	5/8"	26.79	26.54	20.39	30.48	28.55	33.55	31.66	31.66
ATLI 25-22 T	45.59	36.85	38.07	17.09	0.98	0.98	1-11/16" PB	2-7/16" PB	31.54	2.44	1.85	2.71	3/8"	5/8"	26.79	28.54	20.39	32.48	30.55	33.55	33.66	33.66
ATLI 25-25 T	45.59	36.85	38.07	17.09	0.98	0.98	1-11/16" PB	2-7/16" PB	31.54	2.44	1.85	2.71	3/8"	5/8"	26.79	31.54	20.39	35.48	33.55	33.55	36.66	36.66
ATLI 28-22 T	51.34	41.26	42.83	19.09	0.98	0.98	1-15/16" PB	2-7/16" PB	35.35	2.81	2.17	2.71	1/2"	5/8"	30.19	30.35	22.95	34.29	32.36	37.36	35.47	35.47
ATLI 28-25 T	51.34	41.26	42.83	19.09	0.98	0.98	1-15/16" PB	2-7/16" PB	35.35	2.81	2.17	2.71	1/2"	5/8"	30.19	33.35	22.95	37.29	35.36	37.36	38.47	38.47
ATLI 28-28 T	51.34	41.26	42.83	19.09	0.98	0.98	1-15/16" PB	2-7/16" PB	35.35	2.81	2.17	2.71	1/2"	5/8"	30.19	35.35	22.95	39.29	37.36	37.36	40.47	40.47
ATLI 32-32 T	57.80	46.22	48.19	21.26	0.98	0.98	2-3/16" PB	2-3/16" SPB	39.65	3.19	2.41	2.41	1/2"	1/2"	34.03	39.65	25.79	43.59	41.61	41.61	44.77	44.77
ATLI 36-36 T	64.88	51.65	54.25	23.78	1.18	0.98	2-7/16" PB	2-7/16" SPB	44.49	3.82	2.71	2.71	5/8"	5/8"	38.26	44.49	29.02	48.43	46.85	46.85	49.61	49.61
ATLI 40-40 T	71.26	56.85	59.45	25.87	1.18	0.98	2-7/16" PB	2-7/16" SPB	49.88	3.82	2.71	2.71	5/8"	5/8"	42.06	49.88	32.72	53.82	52.24	52.24	55.00	55.00

	o	p		q_1	r	r_1	r_2	r_3	s		s_1	s_2	u		v		x	Ø y	Ø w	z_1 x t	z_2 x t
		T1	T2						T1	T2			T1	T2	T1	T2					
ATLI 20-15 T	21.69	30.67	32.68	0.16	17.71	8.86	5.79	6.77	3.70	4.70	21.30	26.30	0.68	0.90	1.97	2.76	1.57	0.29	0.47	4 x 3.54	6 x 3.54
ATLI 20-18 T	24.69	33.66	35.68	0.16	17.71	8.86	5.79	6.77	3.70	4.70	24.30	26.30	0.68	0.90	1.97	2.76	1.57	0.29	0.47	5 x 3.54	6 x 3.54
ATLI 20-20 T	26.69	35.67	37.68	0.16	17.71	8.86	5.79	6.77	3.70	4.70	26.30	26.30	0.68	0.90	1.97	2.76	1.57	0.29	0.47	6 x 3.54	6 x 3.54
ATLI 22-15 T	23.12	33.46	35.43	0.22	19.69	9.84	6.65	7.56	4.19	5.17	22.33	29.33	0.74	0.98	2.76	3.15	1.97	0.29	0.59	5 x 3.54	7 x 3.54
ATLI 22-20 T	28.12	38.46	40.43	0.22	19.69	9.84	6.65	7.56	4.19	5.17	27.33	29.33	0.74	0.98	2.76	3.15	1.97	0.29	0.59	6 x 3.54	7 x 3.54
ATLI 22-22 T	30.12	40.47	42.43	0.22	19.69	9.84	6.65	7.56	4.19	5.17	29.33	29.33	0.74	0.98	2.76	3.15	1.97	0.29	0.59	7 x 3.54	7 x 3.54
ATLI 25-20 T	28.50	38.90	41.34	0.26	22.05	11.02	7.40	8.62	4.21	5.43	27.72	32.72	0.56	1.12	2.76	3.15	1.97	0.29	0.59	6 x 3.54	8 x 3.54
ATLI 25-22 T	30.50	40.91	43.34	0.26	22.05	11.02	7.40	8.62	4.21	5.43	29.72	32.72	0.56	1.12	2.76	3.15	1.97	0.29	0.59	7 x 3.54	8 x 3.54
ATLI 25-25 T	33.50	43.90	46.34	0.26	22.05	11.02	7.40	8.62	4.21	5.43	32.72	32.72	0.56	1.12	2.76	3.15	1.97	0.29	0.59	8 x 3.54	8 x 3.54
ATLI 28-22 T	32.72	44.61	46.46	0.24	24.80	12.40	8.23	9.80	5.16	6.08	31.53	36.53	1.12	1.38	3.15	3.54	1.97	0.29	0.71	7 x 3.54	9 x 3.54
ATLI 28-25 T	35.72	47.60	49.46	0.24	24.80	12.40	8.23	9.80	5.16	6.08	34.53	36.53	1.11	1.38	3.15	3.54	1.97	0.29	0.71	8 x 3.54	9 x 3.54
ATLI 28-28 T	37.72	49.61	51.46	0.24	24.80	12.40	8.23	9.80	5.16	6.08	36.53	36.53	1.12	1.38	3.15	3.54	1.97	0.29	0.71	9 x 3.54	9 x 3.54
ATLI 32-32 T	42.01	53.82	56.89	0.26	27.95	13.98	9.13	11.10	5.12	6.65	40.83	40.83	0.93	1.34	3.15	3.54	1.97	0.29	0.71	11 x 3.54	11 x 3.54
ATLI 36-36 T	46.85	60.20	61.97	0.24	31.50	15.75	10.08	12.68	5.88	6.77	45.83	45.83	1.18	1.36	3.54	3.54	1.97	0.39	0.71	11 x 3.94	11 x 3.94
ATLI 40-40 T	52.24	65.59	67.40	0.26	35.43	17.72	10.71	13.31	5.89	6.79	51.22	51.22	1.18	1.38	3.54	3.54	1.97	0.39	0.71	12 x 3.94	12 x 3.94

PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **P**illow **B**lock cast iron housing
SPB = bearings with double row, roller type mounted in a **S**plit **P**illow **B**lock cast iron housing

8.6. Side plate holes ATLI 7-7 to 40-40



	a_1	a_2	b_1	b_2	b_3	b_4	c	c_1	f_1	f_2	f_3	f_4	f_5	f_6	g_1	g_2	g_3	g_4	g_5
7	3.11	1.73	2.68	1.65	1.89	-	1.97	0.51	-	-	-	6.50	0.35	4.29	6.49	5.16	4.21	4.21	3.27
9	2.40	1.64	3.98	1.68	2.60	-	2.56	1.83	-	-	-	7.63	2.44	5.03	7.93	6.12	4.95	5.26	1.79
10	3.82	0.16	4.31	0.04	3.66	-	3.78	-	9.20	-	6.89	-	2.42	4.02	9.17	6.81	5.70	5.67	4.47
12	3.92	1.73	5.73	1.44	8.21	1.46	3.90	1.44	-	9.61	-	10.79	3.03	6.54	10.79	3.62	8.15	6.83	1.75
15	6.52	0.59	7.60	0.98	5.10	-	5.43	-	12.80	-	-	-	5.98	-	10.24	7.44	9.84	6.63	-
18	0.65	0.85	8.98	1.04	7.07	-	5.79	-	-	-	-	-	7.09	8.80	15.67	8.98	12.03	8.74	10.43
20	8.39	8.39	8.39	8.39	8.39	-	8.39	-	20.43	16.65	13.74	-	-	-	15.75	11.02	8.15	8.15	-
22	9.25	9.25	9.25	9.25	9.25	-	9.25	-	22.87	18.58	15.31	-	-	-	19.45	14.25	10.87	10.87	-
25	9.25	9.25	9.25	9.25	9.25	-	9.25	-	25.83	21.06	17.36	-	-	-	22.32	16.97	12.91	12.91	-
28	10.43	10.43	10.43	10.43	10.43	-	10.43	-	29.02	23.66	19.53	-	-	-	25.08	18.74	14.61	14.61	-
32	-	-	-	-	-	-	-	-	32.87	26.81	22.13	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	37.13	30.31	25.00	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	40.91	33.43	27.56	-	-	-	-	-	-	-	-

	g_6	g_7	g_8	x_1	x_2	x_3	x_4	x_5	x_6	y_1	y_2	y_3	y_4	y_5	y_6	y_7	screws
7	4.29	5.94	-	5.43	3.90	3.66	-	-	-	3.74	4.61	3.82	5.16	-	-	-	Self-Tapping B6.3
9	5.02	6.52	-	3.94	3.78	3.84	3.63	-	-	3.92	4.70	3.82	5.81	4.48	-	-	Self-Tapping B6.3
10	5.66	7.55	-	-	4.47	4.06	0.16	5.73	-	-	5.20	4.35	8.06	6.84	5.66	-	Self-Tapping B6.3
12	6.54	8.48	6.83	6.04	-	4.35	-	6.73	-	4.11	-	8.09	8.21	-	-	-	Self-Tapping B6.3
15	6.67	9.35	-	-	-	7.07	-	-	7.99	-	-	7.44	11.30	-	-	0.12	Self-Tapping B8
18	8.35	11.79	-	11.69	8.78	8.54	-	-	9.76	7.72	8.48	8.50	13.44	-	-	1.67	Self-Tapping B8
20	-	15.75	-	10.63	-	-	-	-	-	10.63	-	-	11.02	-	-	-	M 10
22	-	19.45	-	12.01	-	-	-	-	-	12.01	-	-	14.25	-	-	-	M 12
25	-	22.32	-	13.39	-	-	-	-	-	13.39	-	-	16.97	-	-	-	M 12
28	-	25.08	-	14.86	-	-	-	-	-	14.86	-	-	18.74	-	-	-	M 12
32	-	-	-	16.63	-	-	-	-	-	16.63	-	-	-	-	-	-	M 12
36	-	-	-	18.60	18.60	-	-	-	-	18.60	11.71	-	-	-	-	-	M 12
40	-	-	-	20.67	20.67	-	-	-	-	20.67	12.76	-	-	-	-	-	M 12

9. Accessories

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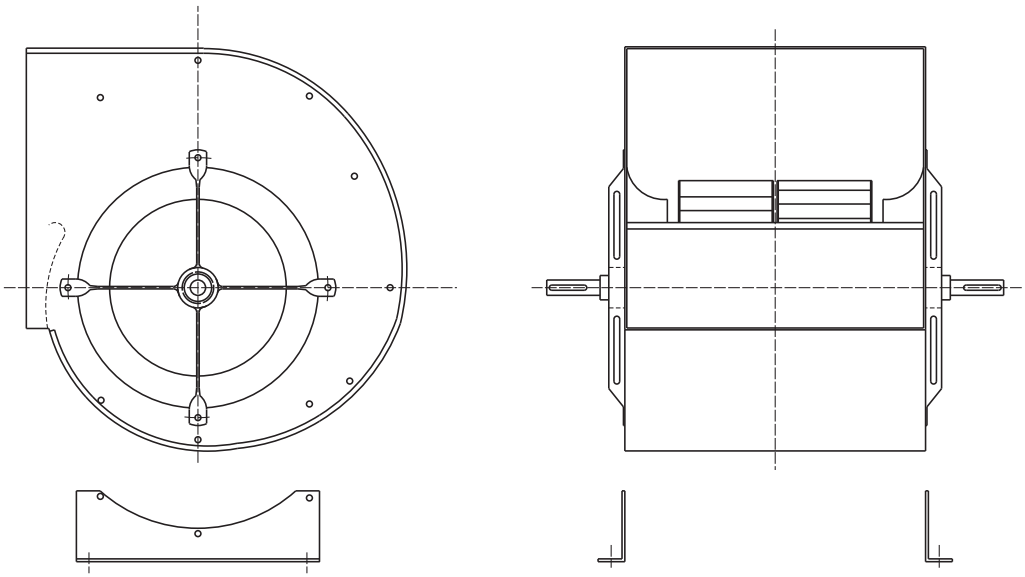
9.1. Spark resistant construction ..EX

Comefri's ATLI fans can also be supplied in a spark resistant construction that conforms to the requirements of AMCA 99-0401-86 (standard specification spark resistant construction).

9.2. Mounting feet ..F

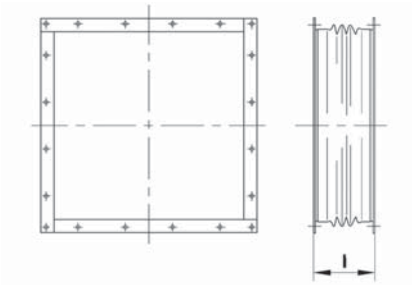
On the basic ATLI fans, 7-7 B up to 18-18 B mounting feet can be installed.
This accessory is available up to and including size 18.

Note: Mounting feet effects the fan's rigidity, so please consider the maximum applicable RPM and Power limits data when feet are going to be used.



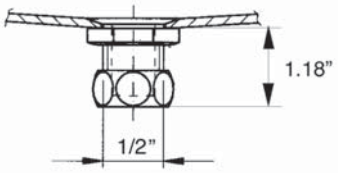
9.3. Outlet flange ..A

An outlet flange can be supplied separately or fitted at the customer's request. Manufactured in galvanized steel, the dimensions and hole locations are given in the fan dimension tables.



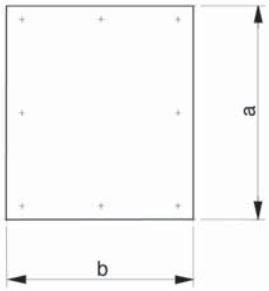
9.4. Flexible outlet connection ..AEL

The flexible connection for the outlet is manufactured from a polyester / PVC fabric with two matching flanges, made in galvanized sheet steel.
The "l" dimension, for all fan sizes, is equal to 6.10".
Special flexible connections can be manufactured on request.



9.5. Drain plug ..K

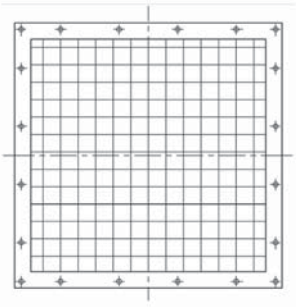
Usually fitted at the lowest part of the fan to facilitate draining of condensation.



9.6. Inspection door ..I

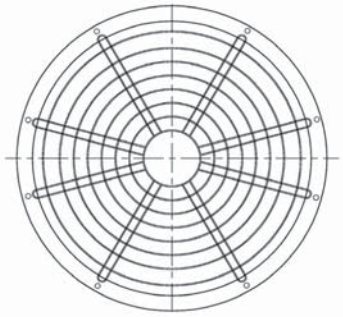
Can be fitted to the fan casing and made of a galvanized steel plate fixed by quick release fasteners. A synthetic gasket prevents leakage. Position of the inspection door must be clearly stated in the order.

	a	b
ATLI 7 to 10	6.69	7.48
ATLI 12 to 22	8.66	9.45
ATLI 25 to 40	10.63	11.42



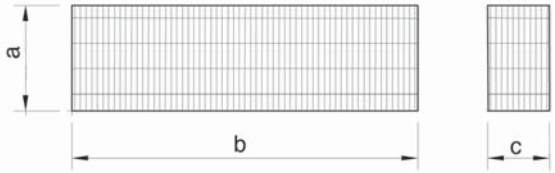
9.7. Outlet guard ..AS

Industrial safety regulations specify that reliable guards must be provided for rotating machinery.
Inlet and outlet protections are available, in full accordance to EN 294 and OSHA requirements.



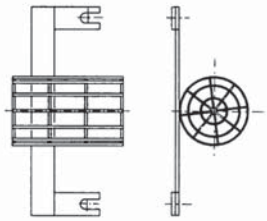
9.8. Inlet guard ..ZS

Industrial safety regulations specify that reliable guards must be provided for rotating machinery.
Inlet and outlet guards are available, according to EN 294 and OSHA requirements.



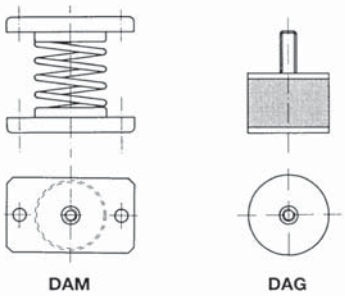
9.9. Belt guard ..RIS

Belt guards are manufactured in a zinc coated steel wire mesh, in full accordance with EN 294 and OSHA requirements.
Dimensions denoted with "a", "b" and "c" depend upon the corresponding sheave diameters and number of belts.
Upon request, access for speed measurement can be provided.



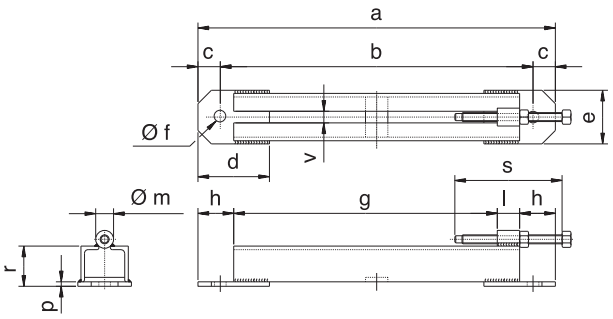
9.10. Shaft guard ..WES

A wire meshed shaft guard is available, for B, R and T1/T2 versions.



9.11. Anti vibration mountings, rubber type ..DAG and Anti vibration mountings, spring type ..DAM

The anti-vibration mountings are normally delivered separately, together with the necessary bolts to secure the mountings to the base frames.
They are selected taking into consideration the total weight of the fan, belt drive, motor and all the other accessories.
On request, and to suit special applications, spring type mountings can be ordered and supplied.

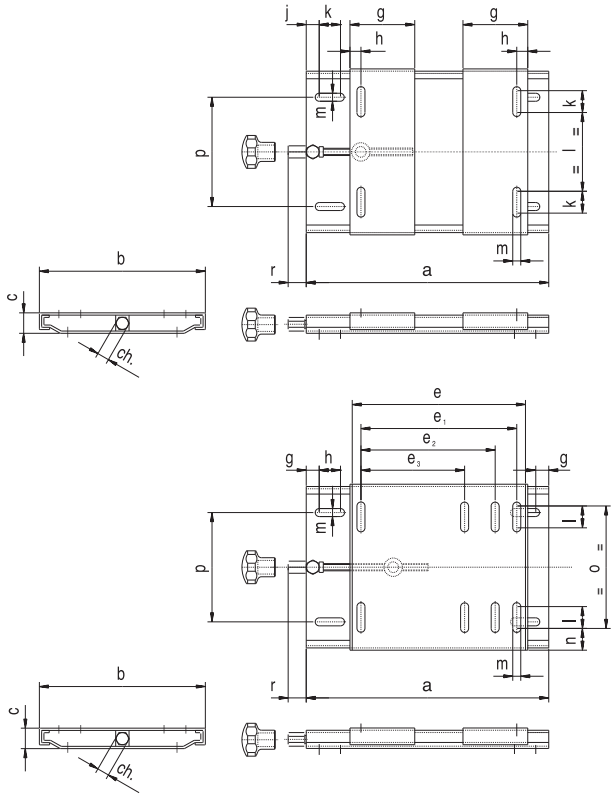


9.12. Motor rails ..SH

Four sizes of motor rails are available, covering motor sizes from 254 to 505.

	motor sizes	a	b	c	d	e	Ø f	g
SH 2	254 to 256	21.26	12.29	0.98	3.15	2.76	0.51	17.13
SH 3	284 to 326	27.17	23.62	1.77	3.94	3.54	0.71	20.67
SH 4	364 to 405	32.68	29.13	1.77	4.33	3.54	0.87	25.79
SH 5	444 to 505	40.55	37.01	1.77	5.12	3.94	0.87	33.66

	motor sizes	h	l	Ø m	p	r	s	v
SH 2	254 to 256	1.57	0.98	0.79	0.20	1.77	4.72	0.79
SH 3	284 to 326	2.56	1.38	1.18	0.31	2.28	6.30	1.18
SH 4	364 to 405	2.56	1.77	1.57	0.31	2.28	7.87	1.18
SH 5	444 to 505	2.56	1.77	1.57	0.39	2.76	7.87	1.18



9.13. Motor base plate ..SY

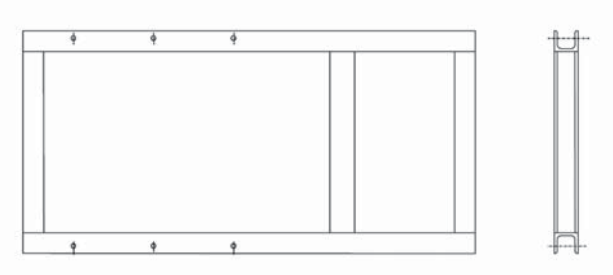
Two size of base plates are available, for motor sizes from 56 to 215.

	motor sizes	a	b	c	g	h	k
SY 1	56 to 145	10.63	7.68	1.30	2.76	0.79	1.97

	motor sizes	j	l	m	p	r	ch.
SY 1	56 to 145	0.98	1.69	0.41	3.86	1.18	0.75

	motor sizes	a	b	c	e	e_1	e_2	e_3	g
SY 2	182 to 215	13.39	11.42	1.57	11.26	8.50	7.48	6.30	1.10

	motor sizes	h	l	m	n	o	p	r	ch.
SY 2	182 to 215	2.48	1.87	0.49	1.48	8.46	6.50	1.18	0.87



9.14. Standard base frame ..GR

Made of carbon steel, welded "C" profile and painted.

10. Twin fan ATLI-B

ATLI–B Twin Fan from size 9-4 to size 40-40.
Main characteristics are: - optimally engineered for HVAC applications
- high quality and compact construction
- high efficiency and low power consumption
- quiet operation

11. Technical specifications

11.1 Construction

The Twin Fans ATLI-B are manufactured with the same components used for the forward curved ATLI Fans.

Executions available are:
- **ATLI BL** and **ATLI BP** for the sizes from 9-4 to 18-18
- **ATLI BT** for the sizes from 9-4 to 25-25
- **ATLI BT2/T1** for the sizes from 28-22 to 40-40

ATLI BL — Manufactured with two basic ATLI fans on a common shaft, supported with three bearings. Three stiffeners, which join the fan's scroll, guarantee's structural rigidity. Mounting feet could be supplied as an option.

ATLI BP — Fan frames in galvanized steel with four angular stiffeners joining the frames. Common shaft with three bearings.

ATLI BT — Reinforced angle iron frames on the fan's sideplates, with angle iron stiffeners joining the frames. The common shaft is supported with three pillow block bearings.

ATLI BT2/T1 — Assembled on the drive side with one ATLI T2 fan and on the non-drive side with one ATLI T1 fan. The fans are mounted over a common base frame. Flexible couplings join the two shafts. Angular stiffeners between the two fans increase the twin structural rigidity.

12. ATLI-B Selection

Parameters for an ATLI-B fan selection:

Twin Fan Static Pressure	$\Delta p_{stat\ TF}$
Air Volume Flow	$\dot{V}_{TF}$
Absorbed Power on Twin Fan Shaft	$P_{w\ TF}$
Rotational Speed	n_{TF}
Inlet Sound Power Level	$L_{wA7\ TF}$
Discharge Sound Power Level	$L_{wA4\ TF}$

Select the ATLI-B Twin Fan using the ATLI fan's selection charts.
The Air Volume Flow and Static Pressure to be used in the ATLI charts are:

$\Delta p_{stat} = \Delta p_{stat\ TF}$
$\dot{V} = \dot{V}_{TF} / 1.9$

From the performance chart:

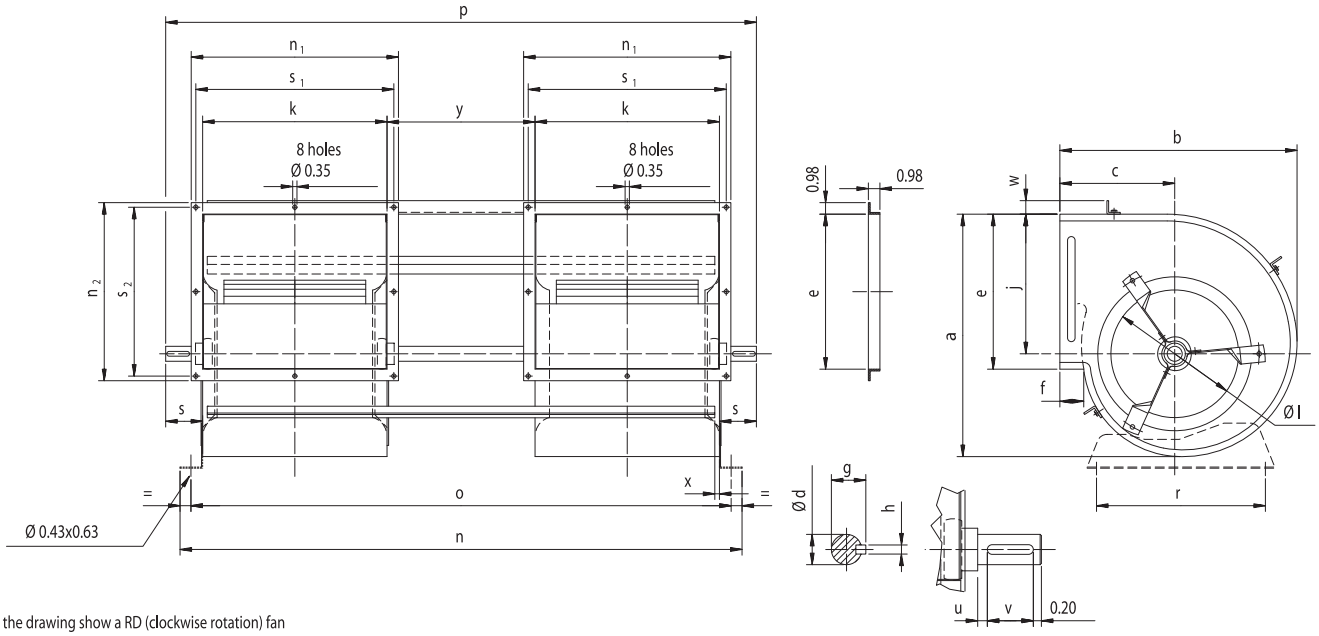
Single Fan ATLI Absorbed Power	P_w
Fan ATLI Speed	n
Sound Power Level	$L_{wA4/7}$
Twin ATLI-B Absorbed Power	$P_{w\ TF} = 2.1 \cdot P_w$
Twin Fan Speed	$n_{TF} = n$
Twin Inlet Sound Power Level	$L_{wA7\ TF} = L_{wA4/7} + 4$
Twin Induct Sound Power Level	$L_{wA4\ TF} = L_{wA4/7} + 1$ with ducted outlet

The values of the Twin Maximum Absorbed Power and Maximum Speed are listed on the following pages, beside the dimensional tables.

13. Twin fan dimensions

13.1. ATLI 9-4 BL to 18-18 BL 92
13.2. ATLI 9-4 BP to 18-18 BP 93
13.3. ATLI 9-4 BT to 18-18 BT 94
13.4. ATLI 20-15 BT to 25-25 BT 95
13.5. ATLI 28-22 BT2/T1 to 40-40 BT2/T1 96

13.1. ATLI 9-4 BL to 18-18 BL



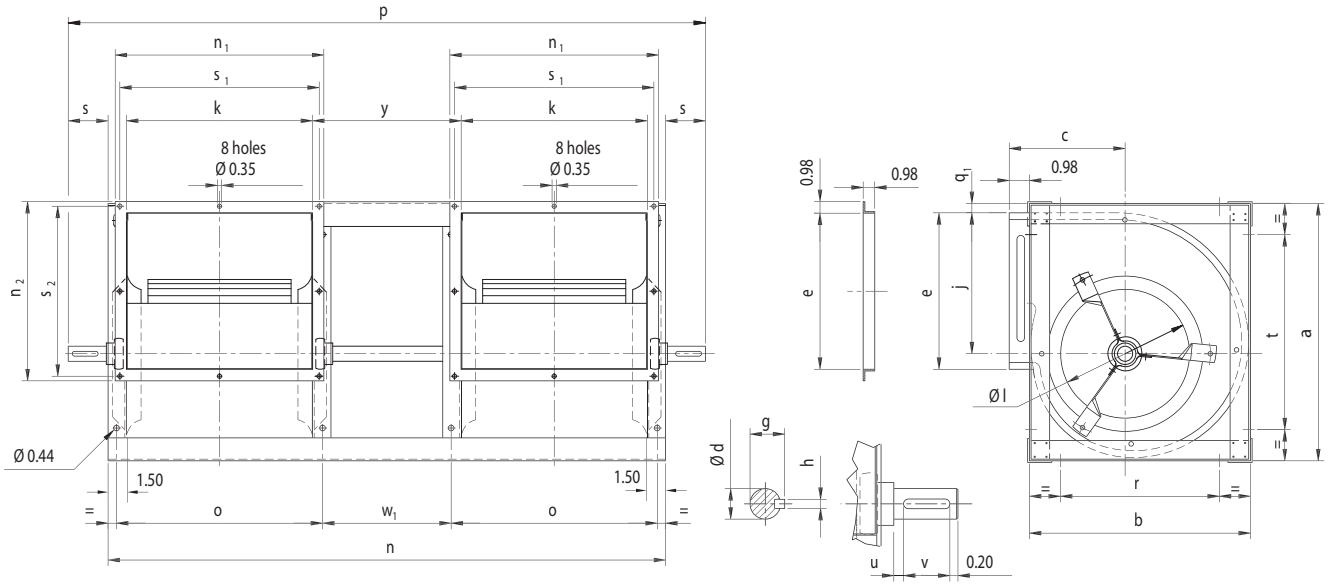
note: the drawing show a RD (clockwise rotation) fan

	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n_1	n_2
ATLI 9-4 BL	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	8.46	6.81	7.80	20.93	8.78	12.01
ATLI 9-6 BL	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	8.46	8.27	7.80	24.99	10.24	12.01
ATLI 9-7 BL	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	8.46	9.13	7.80	27.40	11.10	12.01
ATLI 9-8 BL	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	8.46	10.43	7.80	31.02	12.40	12.01
ATLI 9-9 BL	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	8.46	11.73	7.80	34.72	13.70	12.01
ATLI 10-7 BL	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	9.80	9.69	8.78	28.94	11.65	13.15
ATLI 10-8 BL	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	9.80	10.43	8.78	30.83	12.40	13.15
ATLI 10-9 BL	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	9.80	12.24	8.78	36.06	14.21	13.15
ATLI 10-10 BL	17.42	16.84	8.07	3/4" RI	11.36	1.57	0.83	3/16"	9.80	13.03	8.78	38.07	15.00	13.15
ATLI 12-9 BL	20.61	19.40	9.09	1" RI	13.45	1.57	1.11	1/4"	11.65	12.17	10.24	35.71	14.13	15.16
ATLI 12-12 BL	20.61	19.40	9.09	1" RI	13.45	1.57	1.11	1/4"	11.65	15.55	10.24	45.63	17.52	15.16
ATLI 15-11 BL	23.94	22.36	10.39	1" RI	15.87	1.57	1.11	1/4"	13.46	14.69	12.52	42.83	16.65	17.60
ATLI 15-15 BL	23.94	22.36	10.39	1" RI	15.87	1.57	1.11	1/4"	13.46	18.54	12.52	54.25	20.51	17.60
ATLI 18-13 BL	29.06	26.89	12.36	1" RI	18.78	1.57	1.11	1/4"	16.34	17.36	15.47	50.31	19.33	20.51
ATLI 18-18 BL	29.06	26.89	12.36	1" RI	18.78	1.57	1.11	1/4"	16.34	21.93	15.47	63.82	23.90	20.51

	o	p	r	s	s_1	s_2	u	v	w	x	y	max RPM	max BHP
ATLI 9-4 BL	19.99	24.80	11.81	2.92	7.99	11.22	0.44	1.77	0.59	0.079	5.34	2250	2.00
ATLI 9-6 BL	24.04	28.94	11.81	2.96	9.45	11.22	0.48	1.77	0.59	0.079	6.49	2215	2.50
ATLI 9-7 BL	26.46	31.22	11.81	2.89	10.31	11.22	0.41	1.77	0.59	0.079	7.17	2250	3.00
ATLI 9-8 BL	30.07	34.96	11.81	2.96	11.61	11.22	0.48	1.77	0.59	0.079	8.18	2200	3.00
ATLI 9-9 BL	33.78	38.70	11.81	2.97	12.91	11.22	0.49	1.77	0.59	0.079	9.29	2000	3.00
ATLI 10-7 BL	27.99	33.27	13.39	3.15	10.87	12.36	0.67	1.77	0.59	0.079	7.60	2100	3.00
ATLI 10-8 BL	29.88	35.43	13.39	3.29	11.61	12.36	0.81	1.77	0.59	0.079	7.99	2100	3.00
ATLI 10-9 BL	35.12	40.55	13.39	3.23	13.43	12.36	0.75	1.77	0.59	0.079	9.60	1900	3.00
ATLI 10-10 BL	37.13	42.68	13.39	3.29	14.21	12.36	0.81	1.77	0.59	0.079	10.04	1700	3.00
ATLI 12-9 BL	34.76	39.61	16.06	2.93	13.35	14.37	0.63	1.77	1.18	0.079	9.41	1900	4.00
ATLI 12-12 BL	44.69	49.45	16.06	2.89	16.73	14.37	0.59	1.77	1.18	0.079	12.56	1500	4.00
ATLI 15-11 BL	41.89	46.57	19.49	2.85	15.87	16.81	0.55	1.77	1.18	0.079	11.50	1600	4.00
ATLI 15-15 BL	53.31	58.15	19.49	2.93	19.72	16.81	0.63	1.77	1.18	0.079	15.20	1100	4.00
ATLI 18-13 BL	49.37	55.12	23.94	3.39	18.54	19.72	0.49	2.36	1.18	0.079	13.62	1100	4.00
ATLI 18-18 BL	62.87	68.90	23.94	3.52	23.11	19.72	0.63	2.36	1.18	0.079	17.99	750	4.00

RI = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **R**ubber **I**nterliner

13.2. ATLI 9-4 BP to 18-18 BP



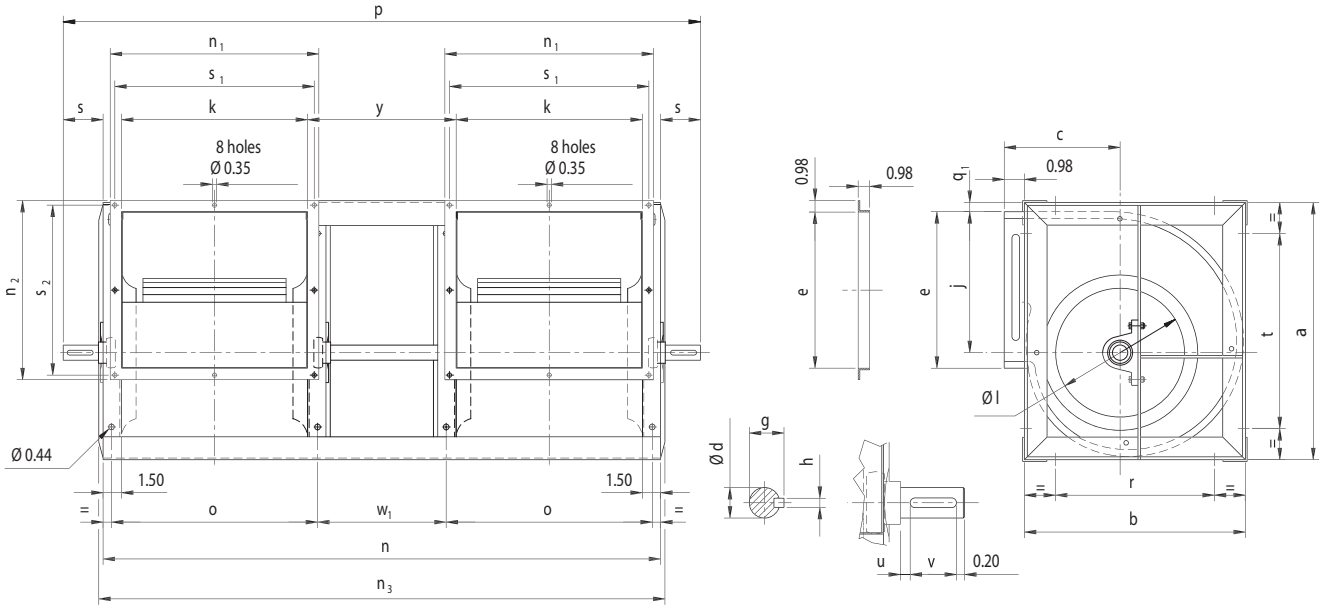
note: the drawing show a RD (clockwise rotation) fan

	a	b	c	Ø d	e	g	h	j	k	Ø l	n	n_1	n_2	o
ATLI 9-4 BP	16.69	14.17	7.36	3/4" RI	10.30	0.83	3/16"	8.46	6.81	7.80	21.97	8.78	12.01	8.54
ATLI 9-6 BP	16.69	14.17	7.36	3/4" RI	10.30	0.83	3/16"	8.46	8.27	7.80	26.02	10.24	12.01	10.00
ATLI 9-7 BP	16.69	14.17	7.36	3/4" RI	10.30	0.83	3/16"	8.46	9.13	7.80	28.43	11.10	12.01	10.86
ATLI 9-8 BP	16.69	14.17	7.36	3/4" RI	10.30	0.83	3/16"	8.46	10.43	7.80	32.05	12.40	12.01	12.17
ATLI 9-9 BP	16.69	14.17	7.36	3/4" RI	10.30	0.83	3/16"	8.46	11.73	7.80	35.75	13.70	12.01	13.46
ATLI 10-7 BP	18.62	15.83	8.07	3/4" RI	11.36	0.83	3/16"	9.80	9.69	8.78	29.96	11.65	13.15	11.48
ATLI 10-8 BP	18.62	15.83	8.07	3/4" RI	11.36	0.83	3/16"	9.80	10.43	8.78	31.85	12.40	13.15	12.23
ATLI 10-9 BP	18.62	15.83	8.07	3/4" RI	11.36	0.83	3/16"	9.80	12.24	8.78	37.09	14.21	13.15	14.04
ATLI 10-10 BP	18.62	15.83	8.07	3/4" RI	11.36	0.83	3/16"	9.80	13.03	8.78	39.09	15.00	13.15	14.82
ATLI 12-9 BP	21.61	18.62	9.09	1" RI	13.45	1.11	1/4"	11.65	12.17	10.24	36.73	14.13	15.16	14.00
ATLI 12-12 BP	21.61	18.62	9.09	1" RI	13.45	1.11	1/4"	11.65	15.55	10.24	46.65	17.52	15.16	17.38
ATLI 15-11 BP	25.51	21.93	10.39	1" RI	15.87	1.11	1/4"	13.46	14.69	12.52	43.86	16.65	17.60	16.47
ATLI 15-15 BP	25.51	21.93	10.39	1" RI	15.87	1.11	1/4"	13.46	18.54	12.52	55.28	20.51	17.60	20.33
ATLI 18-13 BP	30.43	26.26	12.36	1" RI	18.78	1.11	1/4"	16.34	17.36	15.47	51.34	19.33	20.51	19.09
ATLI 18-18 BP	30.43	26.26	12.36	1" RI	18.78	1.11	1/4"	16.34	21.93	15.47	64.84	23.90	20.51	23.66

	p	q_1	r	s	s_1	s_2	t	u	v	w_1	y	max RPM	max BHP
ATLI 9-4 BP	26.77	1.00	9.17	2.40	7.99	11.22	11.69	0.43	1.77	3.62	5.34	2250	2.00
ATLI 9-6 BP	30.91	1.00	9.17	2.44	9.45	11.22	11.69	0.47	1.77	4.76	6.49	2215	2.50
ATLI 9-7 BP	33.27	1.00	9.17	2.42	10.31	11.22	11.69	0.45	1.77	5.43	7.17	2250	3.00
ATLI 9-8 BP	37.01	1.00	9.17	2.48	11.61	11.22	11.69	0.51	1.77	6.46	8.18	2200	3.00
ATLI 9-9 BP	40.55	1.00	9.17	2.40	12.91	11.22	11.69	0.43	1.77	7.56	9.29	2000	3.00
ATLI 10-7 BP	34.84	1.00	10.83	2.44	10.87	12.36	13.62	0.47	1.77	5.81	7.60	2100	3.00
ATLI 10-8 BP	36.81	1.00	10.83	2.48	11.61	12.36	13.62	0.51	1.77	6.20	7.99	2100	3.00
ATLI 10-9 BP	41.93	1.00	10.83	2.42	13.43	12.36	13.62	0.45	1.77	7.82	9.60	1900	3.00
ATLI 10-10 BP	43.90	1.00	10.83	2.40	14.21	12.36	13.62	0.43	1.77	8.25	10.04	1700	5.00
ATLI 12-9 BP	42.13	0.88	12.62	2.70	13.35	14.37	15.61	0.51	1.77	7.58	9.41	1900	5.00
ATLI 12-12 BP	51.97	0.88	12.62	2.66	16.73	14.37	15.61	0.47	1.77	10.73	12.56	1500	5.00
ATLI 15-11 BP	49.21	1.00	15.93	2.68	15.87	16.81	19.51	0.49	1.77	9.72	11.50	1600	5.00
ATLI 15-15 BP	60.63	1.00	15.93	2.68	19.72	16.81	19.51	0.49	1.77	13.42	15.20	1100	7.50
ATLI 18-13 BP	57.87	0.98	20.26	3.27	18.54	19.72	24.43	0.49	2.36	11.89	13.62	1100	7.50
ATLI 18-18 BP	71.26	0.98	20.26	3.21	23.11	19.72	24.43	0.43	2.36	16.26	17.99	750	8.50

RI = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **R**ubber **I**nterliner

13.3. ATLI 9-4 BT to 18-18 BT



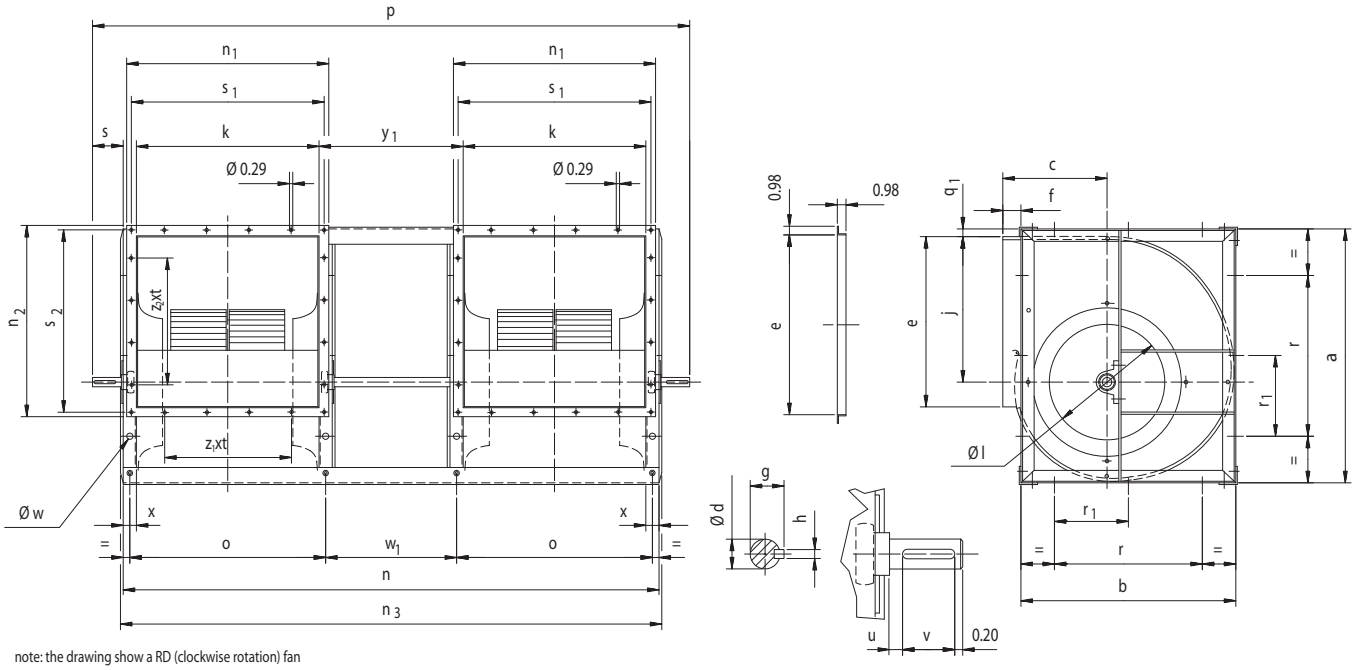
note: the drawing show a RD (clockwise rotation) fan

	a	b	c	Ø d	e	g	h	j	k	Ø l	n	n_1	n_2	n_3
ATLI 9-4 BT	16.69	14.17	7.36	3/4" PB	10.30	0.83	3/16"	8.46	6.81	7.80	21.97	8.78	12.01	21.97
ATLI 9-6 BT	16.69	14.17	7.36	3/4" PB	10.30	0.83	3/16"	8.46	8.27	7.80	26.02	10.24	12.01	26.02
ATLI 9-7 BT	16.69	14.17	7.36	3/4" PB	10.30	0.83	3/16"	8.46	9.13	7.80	28.43	11.10	12.01	28.43
ATLI 9-8 BT	16.69	14.17	7.36	3/4" PB	10.30	0.83	3/16"	8.46	10.43	7.80	32.05	12.40	12.01	32.05
ATLI 9-9 BT	16.69	14.17	7.36	3/4" PB	10.30	0.83	3/16"	8.46	11.73	7.80	35.75	13.70	12.01	35.75
ATLI 10-7 BT	18.62	15.83	8.07	3/4" PB	11.36	0.83	3/16"	9.80	9.69	8.78	29.96	11.65	13.15	29.96
ATLI 10-8 BT	18.62	15.83	8.07	3/4" PB	11.36	0.83	3/16"	9.80	10.43	8.78	31.85	12.40	13.15	31.85
ATLI 10-9 BT	18.62	15.83	8.07	3/4" PB	11.36	0.83	3/16"	9.80	12.24	8.78	37.09	14.21	13.15	37.09
ATLI 10-10 BT	18.62	15.83	8.07	3/4" PB	11.36	0.83	3/16"	9.80	13.03	8.78	39.09	15.00	13.15	39.09
ATLI 12-9 BT	21.61	18.62	9.09	1" PB	13.45	1.11	1/4"	11.65	12.17	10.24	36.73	14.13	15.16	37.12
ATLI 12-12 BT	21.61	18.62	9.09	1-3/16" PB	13.45	1.30	1/4"	11.65	15.55	10.24	46.65	17.52	15.16	47.04
ATLI 15-11 BT	25.51	21.93	10.39	1-3/16" PB	15.87	1.30	1/4"	13.46	14.69	12.52	43.86	16.65	17.60	44.33
ATLI 15-15 BT	25.51	21.93	10.39	1-3/16" PB	15.87	1.30	1/4"	13.46	18.54	12.52	55.28	20.51	17.60	55.75
ATLI 18-13 BT	30.43	26.26	12.36	1-3/16" PB	18.78	1.30	1/4"	16.34	17.36	15.47	51.34	19.33	20.51	52.20
ATLI 18-18 BT	30.43	26.26	12.36	1-7/16" PB	18.78	1.60	3/8"	16.34	21.93	15.47	64.84	23.90	20.51	65.70

	o	p	q_1	r	s	s_1	s_2	t	u	v	w_1	y	max RPM	max BHP
ATLI 9-4 BT	8.54	27.25	1.00	9.17	2.64	7.99	11.22	11.69	0.43	1.77	3.62	5.34	2800	5.00
ATLI 9-6 BT	10.00	31.26	1.00	9.17	2.62	9.45	11.22	11.69	0.41	1.77	4.76	6.49	2700	5.00
ATLI 9-7 BT	10.87	33.75	1.00	9.17	2.66	10.31	11.22	11.69	0.45	1.77	5.43	7.17	2600	5.00
ATLI 9-8 BT	12.17	37.37	1.00	9.17	2.66	11.61	11.22	11.69	0.45	1.77	6.46	8.18	2200	7.10
ATLI 9-9 BT	13.46	41.11	1.00	9.17	2.68	12.91	11.22	11.69	0.47	1.77	7.56	9.29	2000	7.20
ATLI 10-7 BT	11.48	35.24	1.00	10.83	2.64	10.87	12.36	13.62	0.43	1.77	5.81	7.60	2400	7.40
ATLI 10-8 BT	12.23	37.17	1.00	10.83	2.66	11.61	12.36	13.62	0.45	1.77	6.20	7.99	2200	7.40
ATLI 10-9 BT	14.04	42.09	1.00	10.83	2.50	13.43	12.36	13.62	0.30	1.77	7.82	9.60	1900	7.50
ATLI 10-10 BT	14.82	44.45	1.00	10.83	2.68	14.21	12.36	13.62	0.47	1.77	8.25	10.04	1700	7.50
ATLI 12-9 BT	14.00	42.09	0.88	12.62	2.68	13.35	14.37	15.61	0.37	1.77	7.58	9.41	2000	7.50
ATLI 12-12 BT	17.38	52.85	0.88	12.62	3.10	16.73	14.37	15.61	0.67	1.77	10.73	12.56	1800	12.00
ATLI 15-11 BT	16.47	49.58	1.00	15.93	2.86	15.87	16.81	19.51	0.39	1.77	9.72	11.50	1720	13.30
ATLI 15-15 BT	20.33	61.62	1.00	15.93	3.17	19.72	16.81	19.51	0.70	1.77	13.42	15.20	1300	13.80
ATLI 18-13 BT	19.09	58.62	0.98	20.26	3.64	18.54	19.72	24.43	0.58	2.36	11.89	13.62	1300	13.80
ATLI 18-18 BT	23.66	72.44	0.98	20.26	3.80	23.11	19.72	24.43	0.54	2.36	16.26	17.99	1100	18.20

PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **P**illow **B**lock cast iron housing

13.4. ATLI 20-15 BT to 25-25 BT



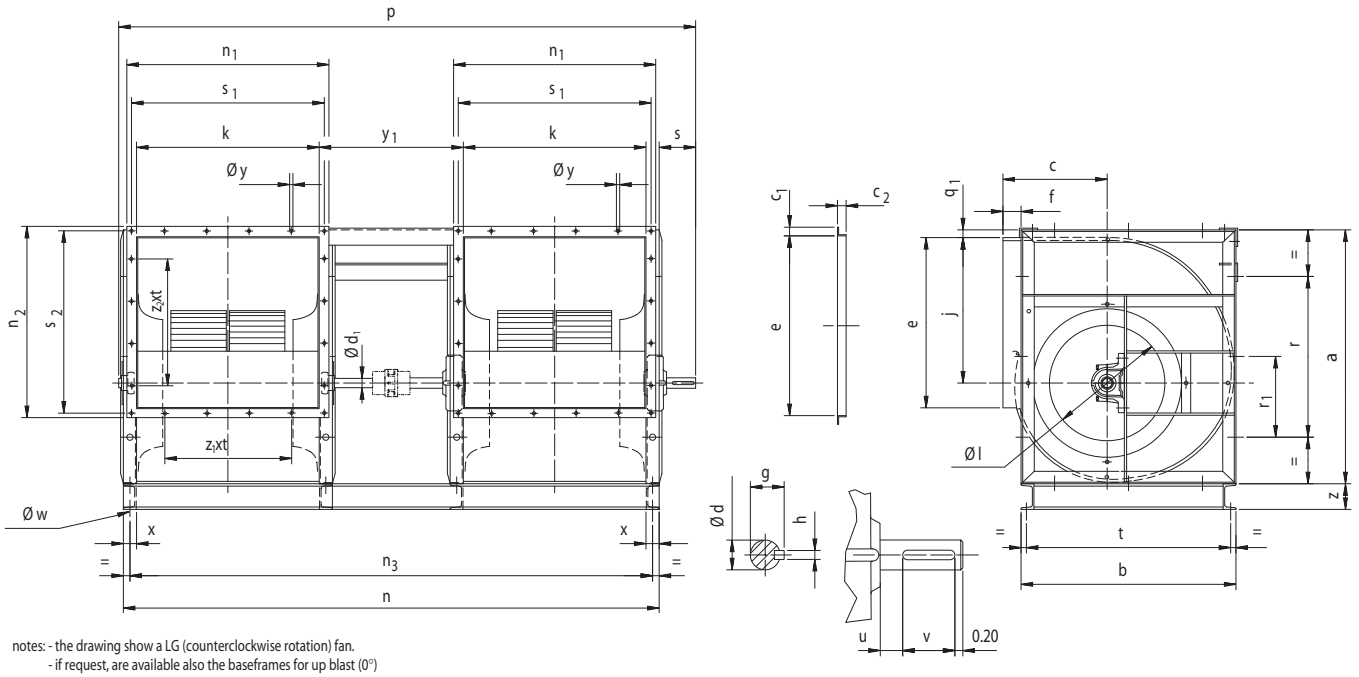
note: the drawing show a RD (clockwise rotation) fan

	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n_1	n_2	n_3	o
ATLI 20-15 BT	36.14	29.29	13.86	1-11/16" PB	25.12	2.21	1.85	3/8"	21.26	20.12	16.22	59.13	22.13	27.13	60.23	21.69
ATLI 20-18 BT	36.14	29.29	13.86	1-11/16" PB	25.12	2.21	1.85	3/8"	21.26	23.12	16.22	67.10	25.13	27.13	68.20	24.69
ATLI 20-20 BT	36.14	29.29	13.86	1-11/16" PB	25.12	2.21	1.85	3/8"	21.26	25.12	16.22	73.07	27.13	27.13	74.17	26.69
ATLI 22-15 BT	40.55	32.99	15.35	2" PB	28.15	2.13	2.22	1/2"	23.84	21.15	18.19	64.23	23.16	30.16	65.40	23.12
ATLI 22-20 BT	40.55	32.99	15.35	2" PB	28.15	2.13	2.22	1/2"	23.84	26.15	18.19	76.36	28.16	30.16	77.53	28.12
ATLI 22-22 BT	40.55	32.99	15.35	2" PB	28.15	2.13	2.22	1/2"	23.84	28.15	18.19	82.29	30.16	30.16	83.46	30.12
ATLI 25-20 BT	45.59	36.85	17.09	2-7/16" PB	31.54	2.44	2.71	5/8"	26.79	26.54	20.39	77.14	28.55	33.55	78.32	28.50
ATLI 25-22 BT	45.59	36.85	17.09	2-7/16" PB	31.54	2.44	2.71	5/8"	26.79	28.54	20.39	83.07	30.55	33.55	84.25	30.50
ATLI 25-25 BT	45.59	36.85	17.09	2-7/16" PB	31.54	2.44	2.71	5/8"	26.79	31.54	20.39	91.82	33.55	33.55	93.00	33.50

	p	q_1	r	r_1	s	s_1	s_2	u	v	Ø w	w_1	x	y_1	z_1 x t	z_2 x t	max RPM	max BHP
ATLI 20-15 BT	68.53	0.16	17.71	8.86	4.70	21.30	26.30	0.90	2.76	0.47	14.17	1.57	15.75	4x3.54	6x3.54	1200	25.00
ATLI 20-18 BT	76.50	0.16	17.71	8.86	4.70	24.30	26.30	0.90	2.76	0.47	16.14	1.57	17.72	5x3.54	6x3.54	1200	30.00
ATLI 20-20 BT	82.47	0.16	17.71	8.86	4.70	26.30	26.30	0.90	2.76	0.47	18.11	1.57	19.69	6x3.54	6x3.54	1100	30.00
ATLI 22-15 BT	74.57	0.22	19.69	9.84	5.17	22.33	29.33	0.98	3.15	0.59	16.03	1.97	17.99	5x3.54	7x3.54	1100	36.00
ATLI 22-20 BT	86.70	0.22	19.69	9.84	5.17	27.33	29.33	0.98	3.15	0.59	18.16	1.97	20.12	6x3.54	7x3.54	1100	36.00
ATLI 22-22 BT	92.63	0.22	19.69	9.84	5.17	29.33	29.33	0.98	3.15	0.59	20.09	1.97	22.05	7x3.54	7x3.54	1000	40.00
ATLI 25-20 BT	88.00	0.26	22.05	11.02	5.43	27.72	32.72	1.12	3.15	0.59	18.16	1.97	20.12	6x3.54	8x3.54	950	45.00
ATLI 25-22 BT	93.93	0.26	22.05	11.02	5.43	29.72	32.72	1.12	3.15	0.59	20.09	1.97	22.05	7x3.54	8x3.54	950	45.00
ATLI 25-25 BT	102.68	0.26	22.05	11.02	5.43	32.72	32.72	1.12	3.15	0.59	22,84	1.97	24.80	8x3.54	8x3.54	900	50.00

PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **P**illow **B**lock cast iron housing

13.5. ATLI 28-22 BT2/T1 to 40-40 BT2/T1



notes: - the drawing show a LG (counterclockwise rotation) fan.
- if request, are available also the baseframes for up blast (0°) and bottom horizontal (270°) discharge position.

	a	b	c	c_1	c_2	Ø d	Ø d_1	e	f	g	h	j	k	Ø l	n	n_1	n_2	n_3
ATLI 28-22 BT2/T1	51.34	41.26	19.09	0.98	0.98	2-7/16" PB	1-15/16" PB	35.35	2.81	2.71	5/8"	30.19	30.35	22.95	86.69	32.36	37.36	85.11
ATLI 28-25 BT2/T1	51.34	41.26	19.09	0.98	0.98	2-7/16" PB	1-15/16" PB	35.35	2.81	2.71	5/8"	30.19	33.35	22.95	95,44	35.36	37.36	93.86
ATLI 28-28 BT2/T1	51.34	41.26	19.09	0.98	0.98	2-7/16" PB	1-15/16" PB	35.35	2.81	2.71	5/8"	30.19	35.35	22.95	102,59	37.36	37.36	101.01
ATLI 32-32 BT2/T1	57.80	46.22	21.26	0.98	0.98	2-3/16" SPB	2-3/16" PB	39.65	3.19	2.41	1/2"	34.03	39.65	25.79	114,74	41.61	41.61	113.16
ATLI 36-36 BT2/T1	64.88	51.65	23.78	1.18	0.98	2-7/16" SPB	2-7/16" PB	44.49	3.82	2.71	5/8"	38.26	44.49	29.02	128,35	46.85	46.85	126.77
ATLI 40-40 BT2/T1	71.26	56.85	25.87	1.18	0.98	2-7/16" SPB	2-7/16" PB	49.88	3.82	2.71	5/8"	42.06	49.88	32.72	143,07	52.24	52.24	141.49

	p	q_1	r	r_1	s	s_1	s_2	t	u	v	x	Ø y	y_1	Ø w	z	z_1 x t	z_2 x t	max RPM	max BHP
ATLI 28-22 BT2/T1	94.25	0.24	24.80	12.40	6.08	31.53	36.53	39.69	1.38	3.54	1.97	0.29	22.05	0.71	4.00	7x3.54	9x3.54	775	50.00
ATLI 28-25 BT2/T1	103.01	0.24	24.80	12.40	6.08	34.53	36.53	39.69	1.38	3.54	1.97	0.29	24.80	0.71	4.00	8x3.54	9x3.54	775	50.00
ATLI 28-28 BT2/T1	110.15	0.24	24.80	12.40	6.08	36.53	36.53	39.69	1.38	3.54	1.97	0.29	27.95	0.71	4.00	9x3.54	9x3.54	750	50.00
ATLI 32-32 BT2/T1	123.02	0.26	27.95	13.98	6.65	40.83	40.83	44.65	1.34	3.54	1.97	0.29	31.50	0.71	5.00	11x3.54	11x3.54	675	70.00
ATLI 36-36 BT2/T1	136.87	0.24	31.50	15.75	6.77	45.83	45.83	50.08	1.36	3.54	1.97	0.39	35.43	0.71	6.00	11x3.94	11x3.94	600	70.00
ATLI 40-40 BT2/T1	151.62	0.26	35.43	17.72	6.79	51.22	51.22	55.28	1.38	3.54	1.97	0.39	39.37	0.71	6.00	12x3.94	12x3.94	550	70.00

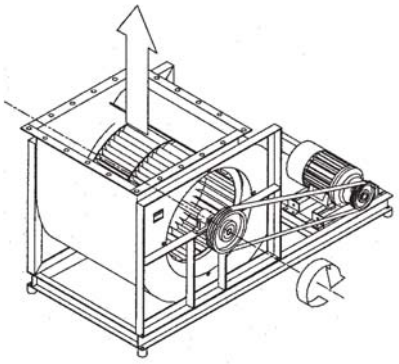
PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **P**illow **B**lock cast iron housing
SPB = bearings with double row, roller type mounted in a **S**plit **P**illow **B**lock cast iron housing

14. Rotation, discharge and accessory positions

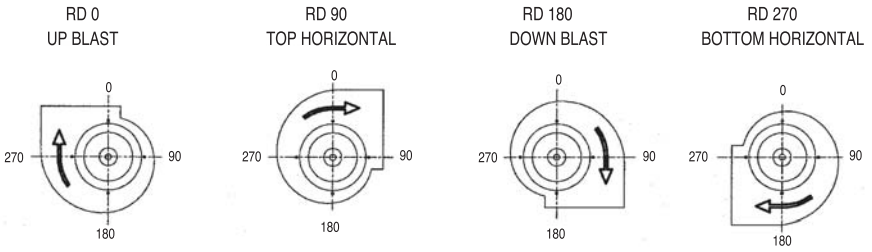
14.1. Rotation and discharge position

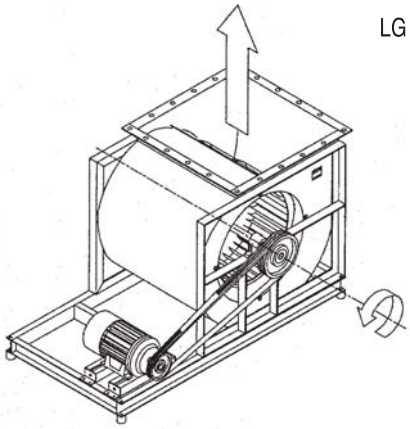
The fan direction of rotation, when seen from drive side is:
a) clockwise, if indicated with the symbol RD, or
b) counter-clockwise if indicated with the symbol LG

The fan discharge position is indicated by the rotation symbol (RD or LG) and, then, by the angle with respect to the reference line perpendicular to the mounting surface(e.g. RD 90)

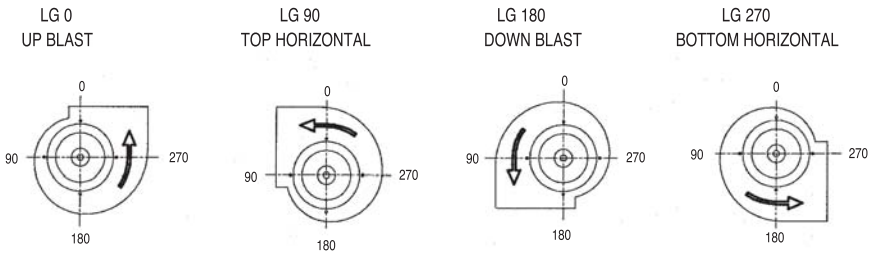


RD - CLOCKWISE

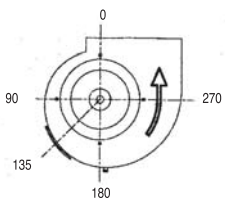




LG - COUNTER CLOCKWISE



LG 0



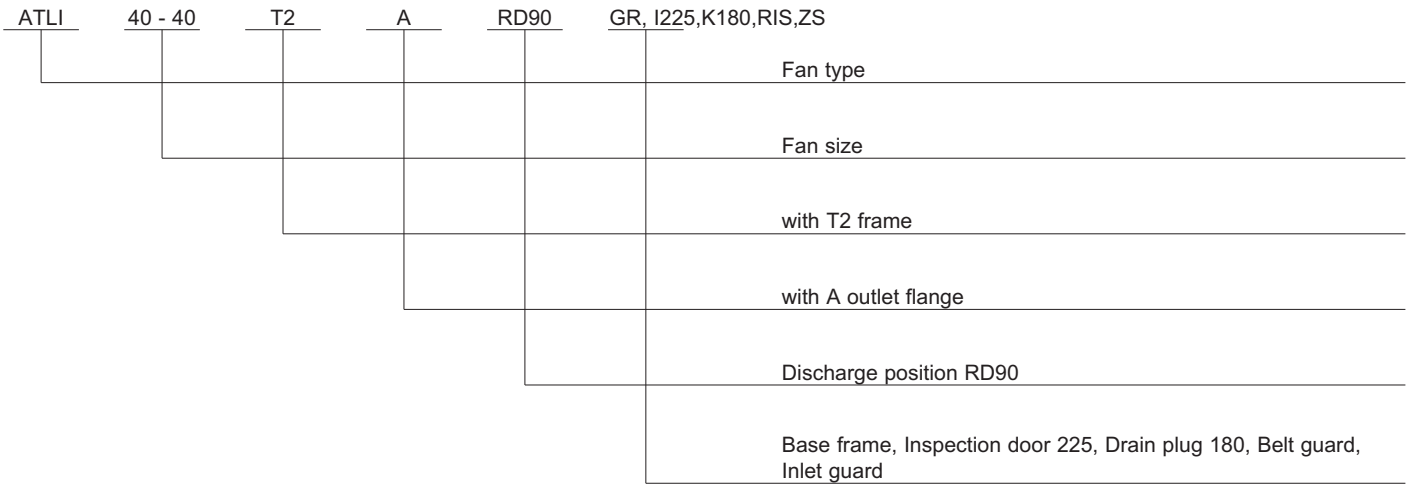
14.2. Accessory Positions

The position indicated, gives the rotation RD or LG, by the angle measured in degrees, with respect to the reference perpendicular line to the mounting surface.

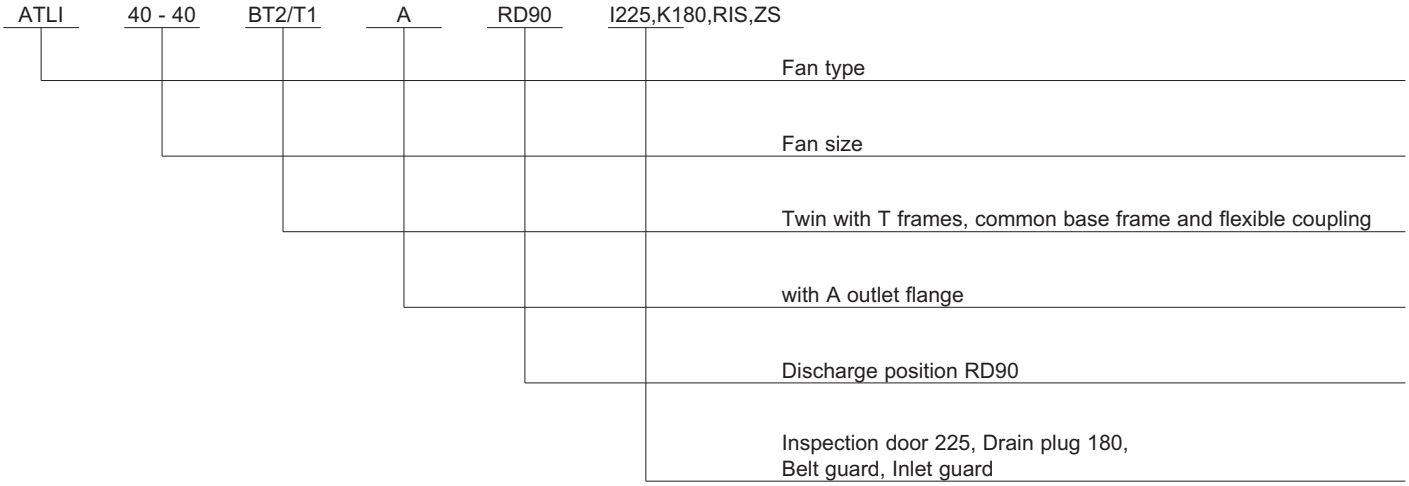
Example: Fan LG 0
Drain plug 180
Inspection door 135

15. Reference code / example

Double inlet forward curved fan - ATLI



Twin forward curved fan - ATLI-B



Notes

We reserve the right to modify fan designs or dimensions in order to enhance our products.

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