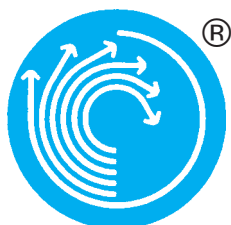


ATLI

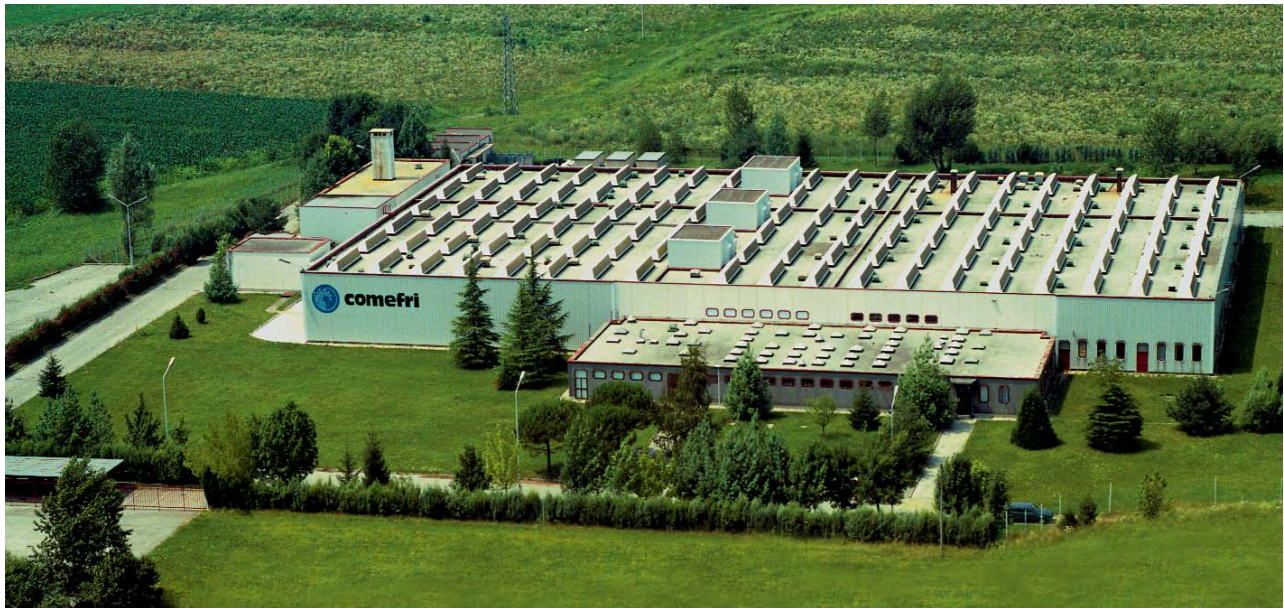
**DOUBLE INLET FORWARD CURVED
CENTRIFUGAL FANS**



comefri



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.



Manufacturing Facility

COMEFRI USA: Manufacturing and Warehouse facilities in Hopkinsville, KY.

Total facility: 125,000 sqft. Producing centrifugal fans for the HVAC industry



Warehouse Facility

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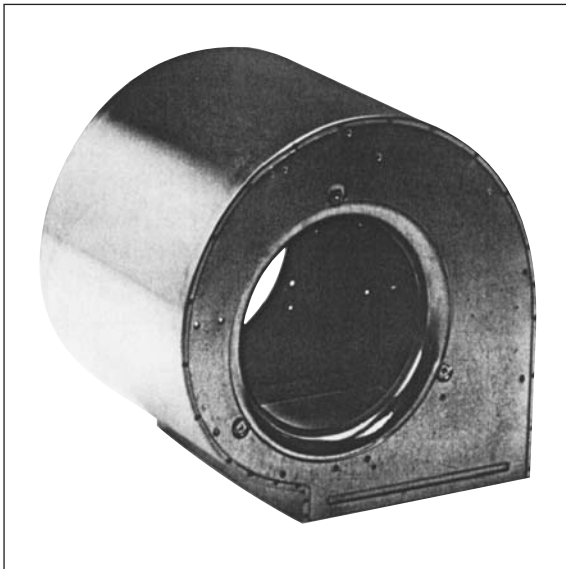
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**Fig. 1**

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**

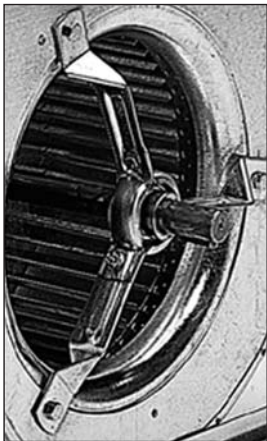
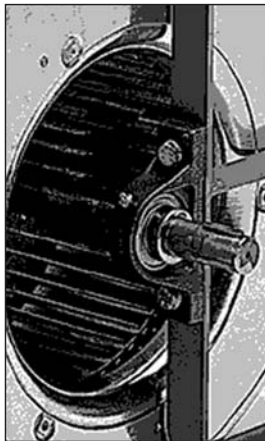
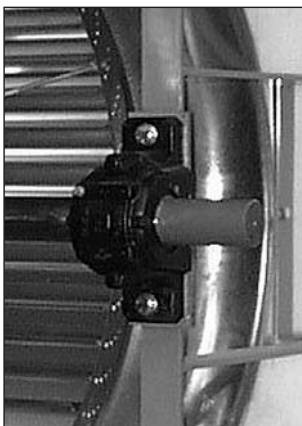
2. Technical details

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 Pittsburgh 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 $+176^{\circ}\text{F}$ (-20°C to $+80^{\circ}\text{C}$) for all blowers.

3. ATLI series


ATLI ___ B
Standard (base) version fan.



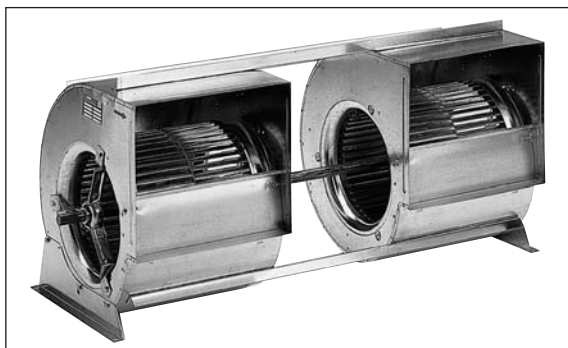
ATLI ___ F
Standard (base) version fan with mounting feet "F".



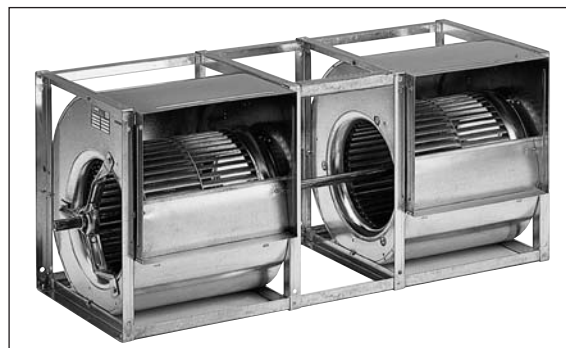
ATLI ___ R
Fan with galvanized steel frame "R".



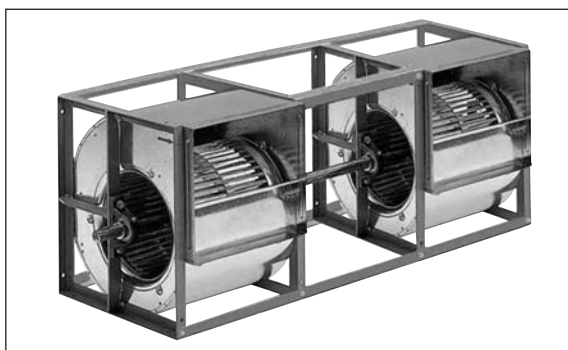
ATLI ___ T1 / ATLI ___ T2
Fan with reinforced angle iron frame "T1 or T2".



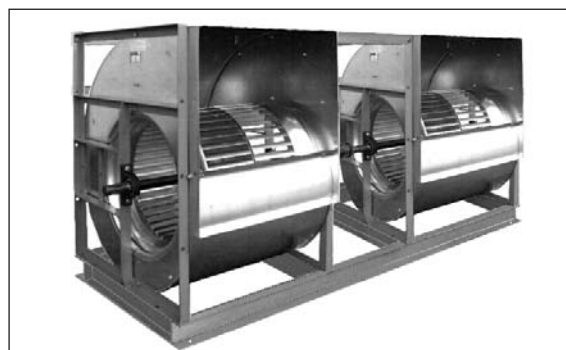
ATLI ___ BL
Twin fan in standard (base) version with mounting feet "F".



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



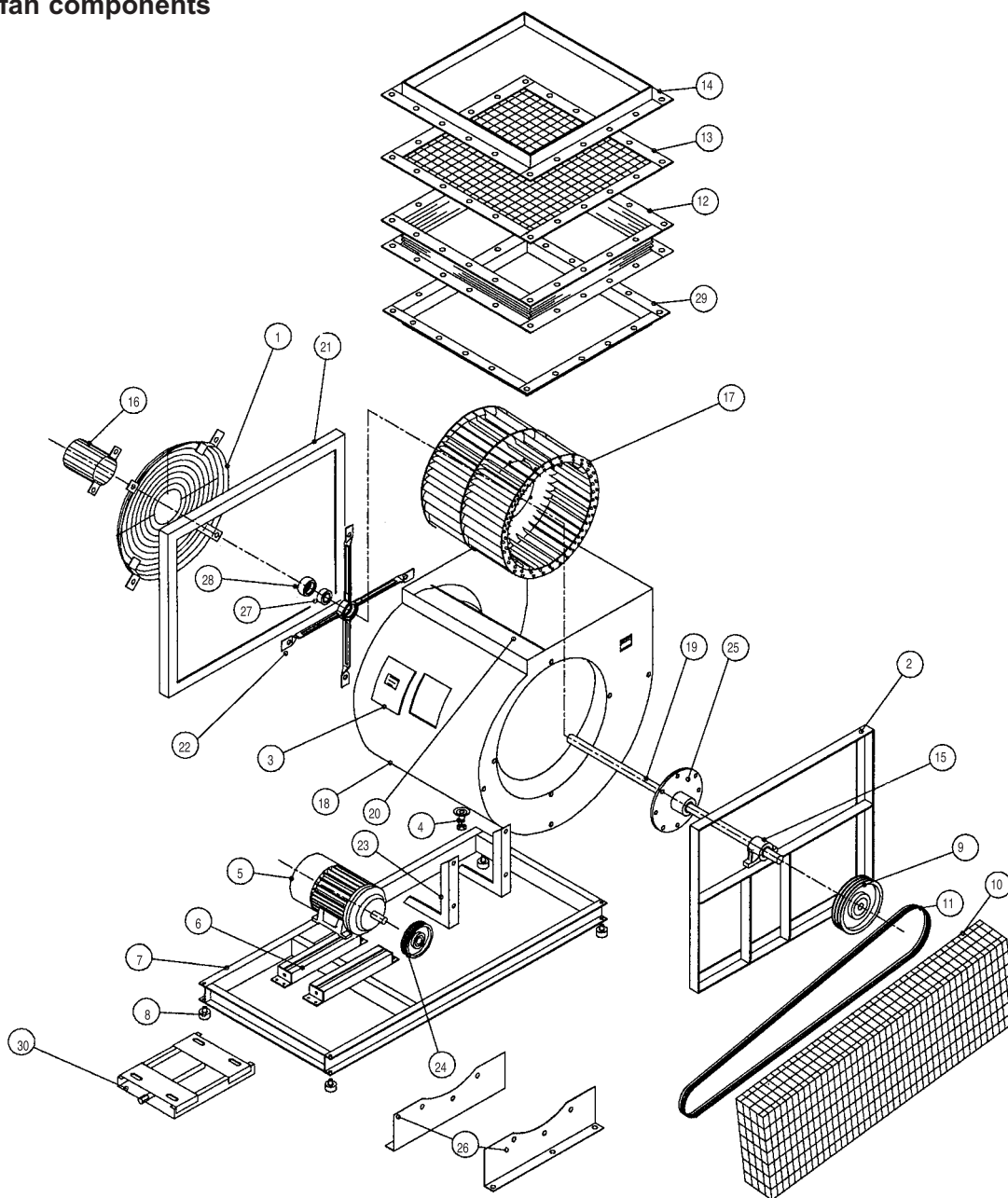
ATLI ___ BT
Twin fan with reinforced angle iron frames and angle iron joining stiffeners.



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

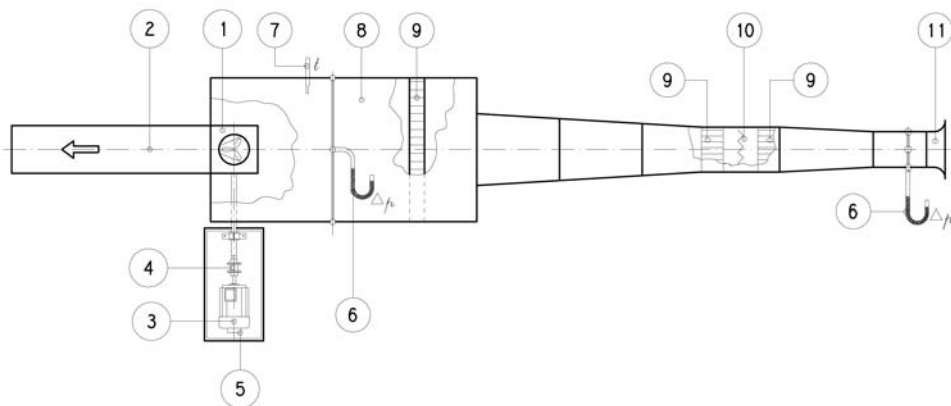
5.1. Performance data

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 $\rho = 0.075 \text{ lb/cu.ft}$

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

The performance curves include the following information:

Static pressure	Δp_{stat}	[In.W.G.]	inches water gauge
Dynamic pressure	p_{dyn}	[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}	[%]	$\frac{\Delta p_{\text{stat}} \cdot \dot{V} \cdot 100}{P_w \cdot 6362}$
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:

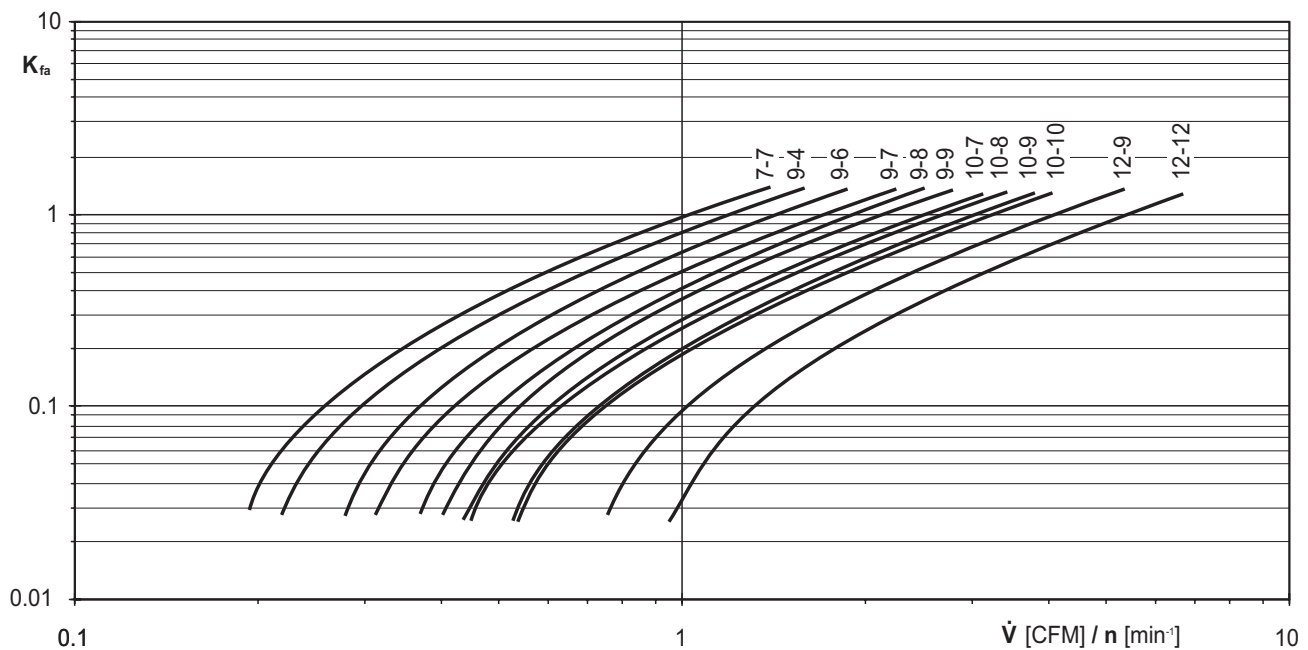
$$\Delta p_{fa} = \Delta p_{stat} - K_{fa} \cdot \Delta p_{dyn}$$

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.

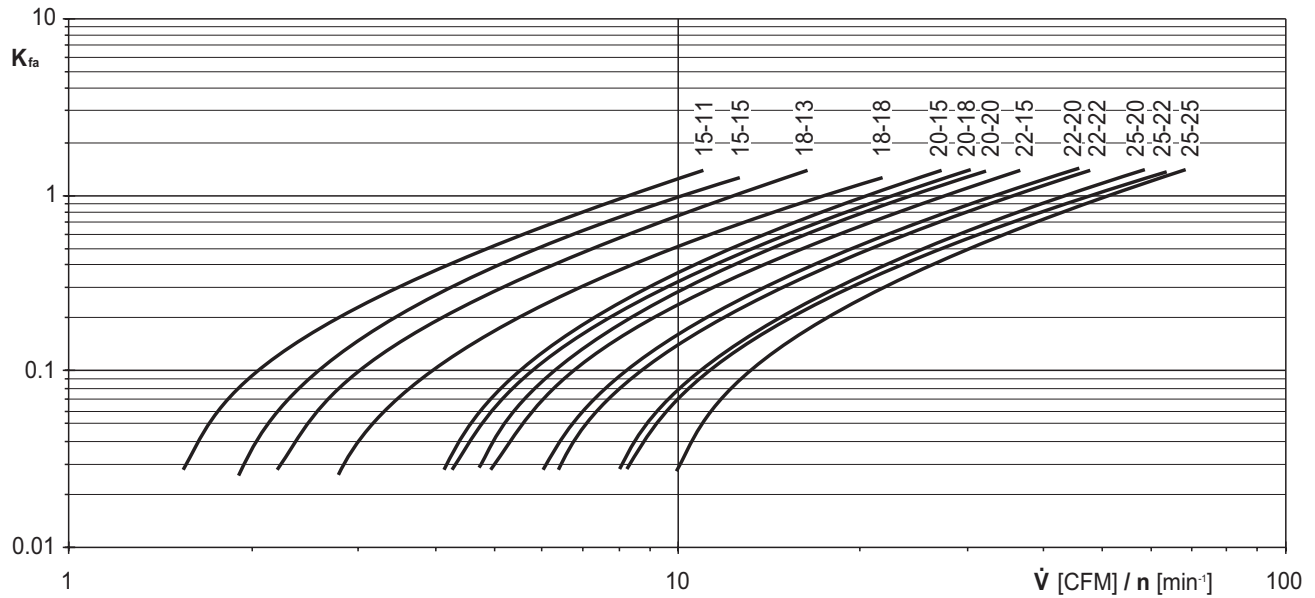
Note that the static pressure obtained is less than the requested pressure.

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.

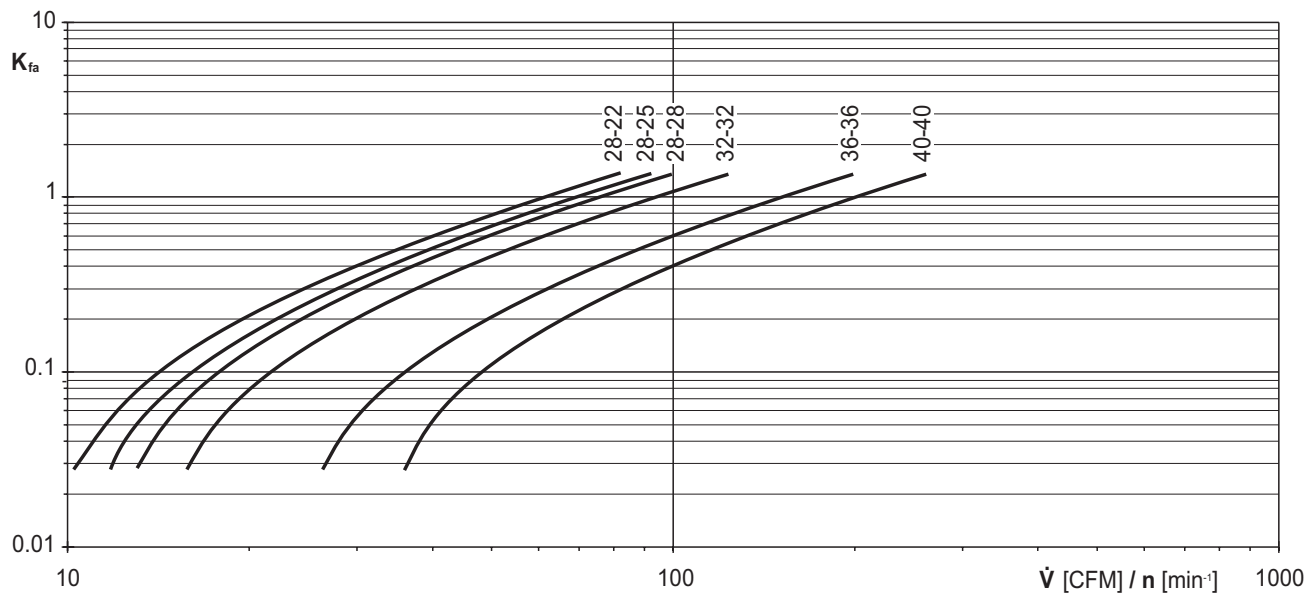
Please refer to the Selection Example 6.2, for further details on the correct selection procedure.



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 accommodate 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:

$$\begin{aligned} P_w \leq 13.4 \text{ BHP} \dots f_w &= 0.20 \\ P_w > 13.4 \text{ BHP} \dots f_w &= 0.15 \end{aligned}$$

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. $\rho = 0.075 \text{ lb/cu.ft}$, 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.

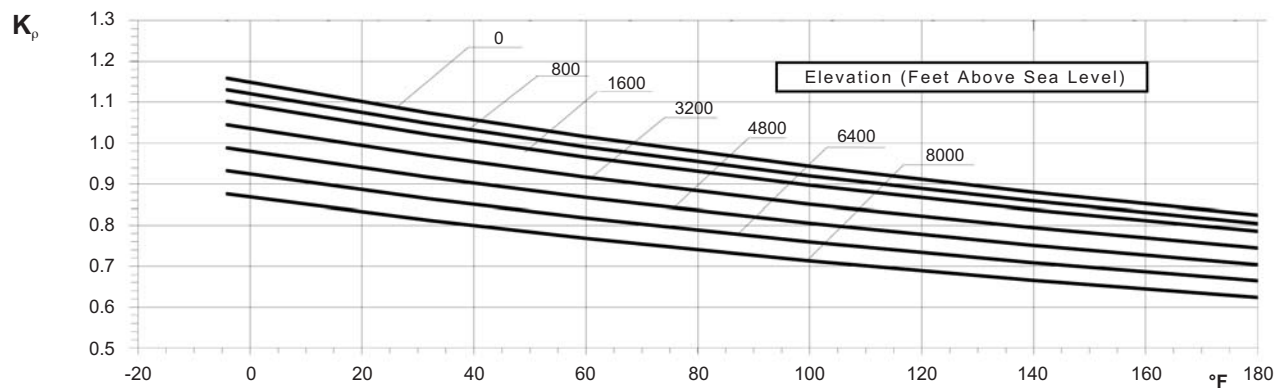
Pressure, static and total, varies directly as the ratio of the air densities, K_p

$$\Delta p_{\text{stat}2} = \Delta p_{\text{stat}1} \cdot K_p$$

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

$$P_{w2} = P_{w1} \cdot K_p$$

The graph 5.4 contains air density ratios K_p 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

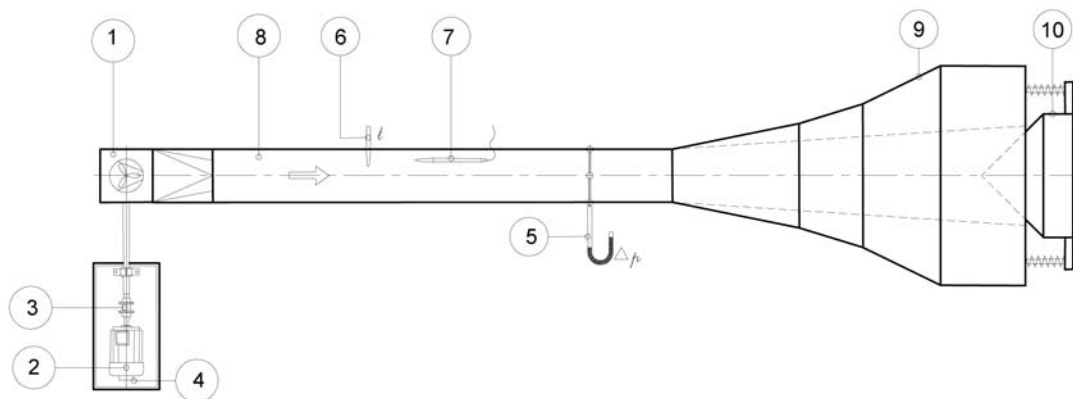
The measurement of noise levels have been made according to ISO, DIN and BS, ANSI / AMCA Standard using a Bruel & Kjaer real-time frequency analyser.

The Sound Power Level L_{wA} , referred to $W_0=10^{-12}$ 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.

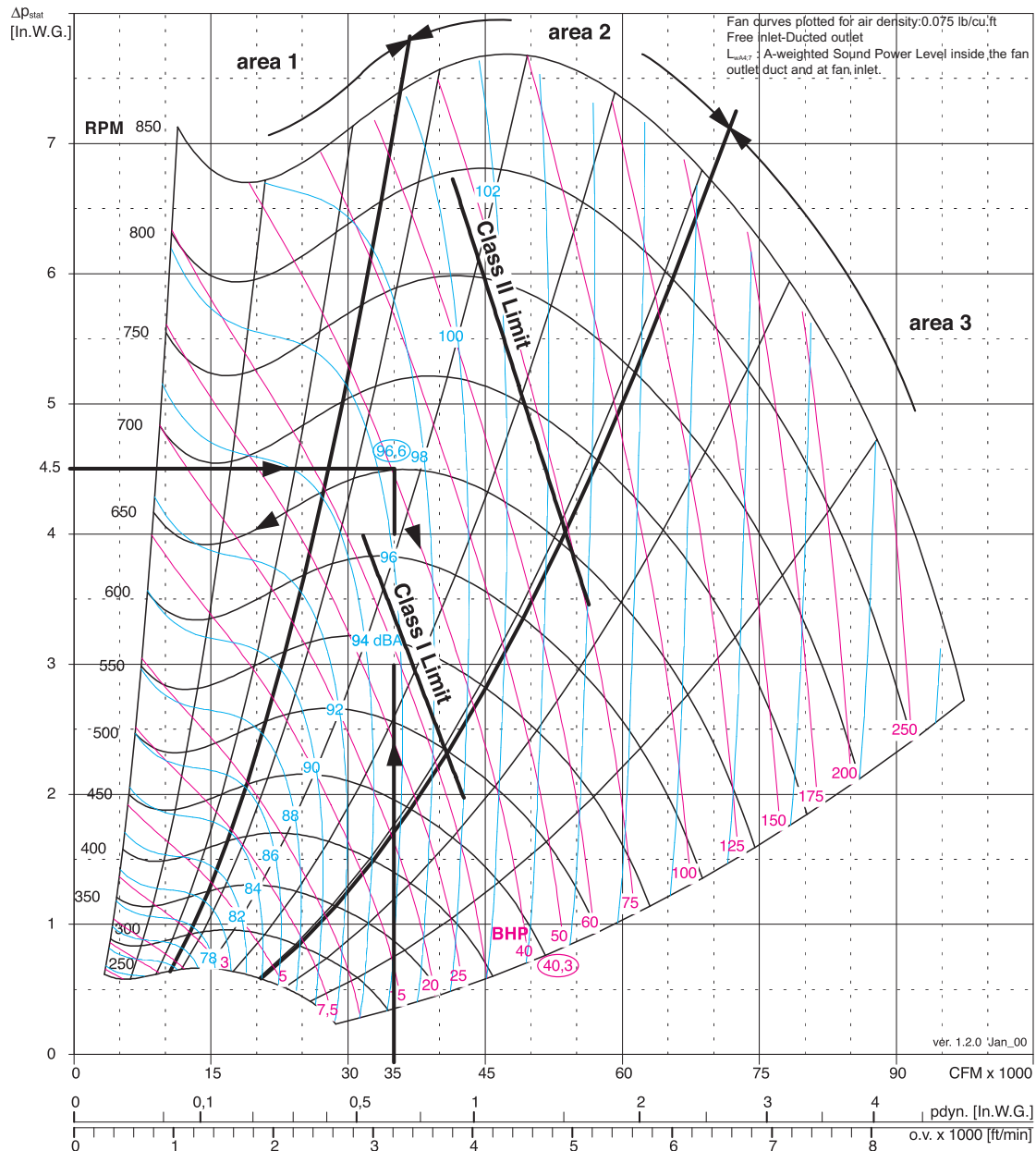
Finally, please consider that the low frequencies (125 Hz and below) are strongly affected by vibrations (drive alignment, pulley unbalance, etc) and by ducts not properly acoustically insulated from the fan; the final effect is the generation of additional low frequency noise.

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. [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



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 $L_{wOctA4} = L_{wOct4} - (\text{A-weighting})$:

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 K_{fa} 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)), $\Delta p_{dyn} = 0.64$ 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_{woc14} , 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 K_p 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:

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

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, $n = 651 \text{ RPM}$,

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

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

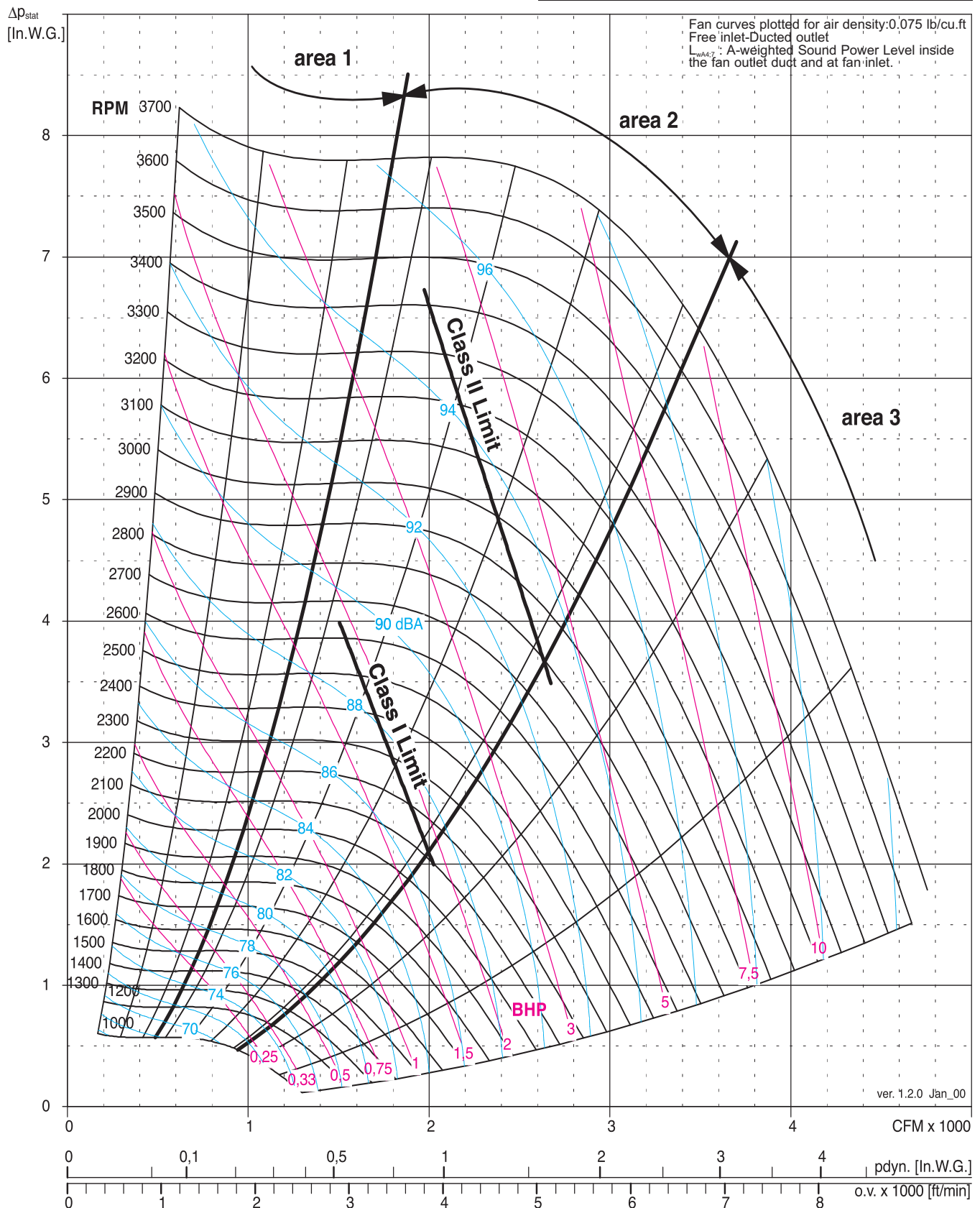
$$P_{w2} = BHP \cdot K_p = 40.3 \text{ HP} \cdot 0.8 = 32.24 \text{ HP}$$

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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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 7-7 B/R/T2

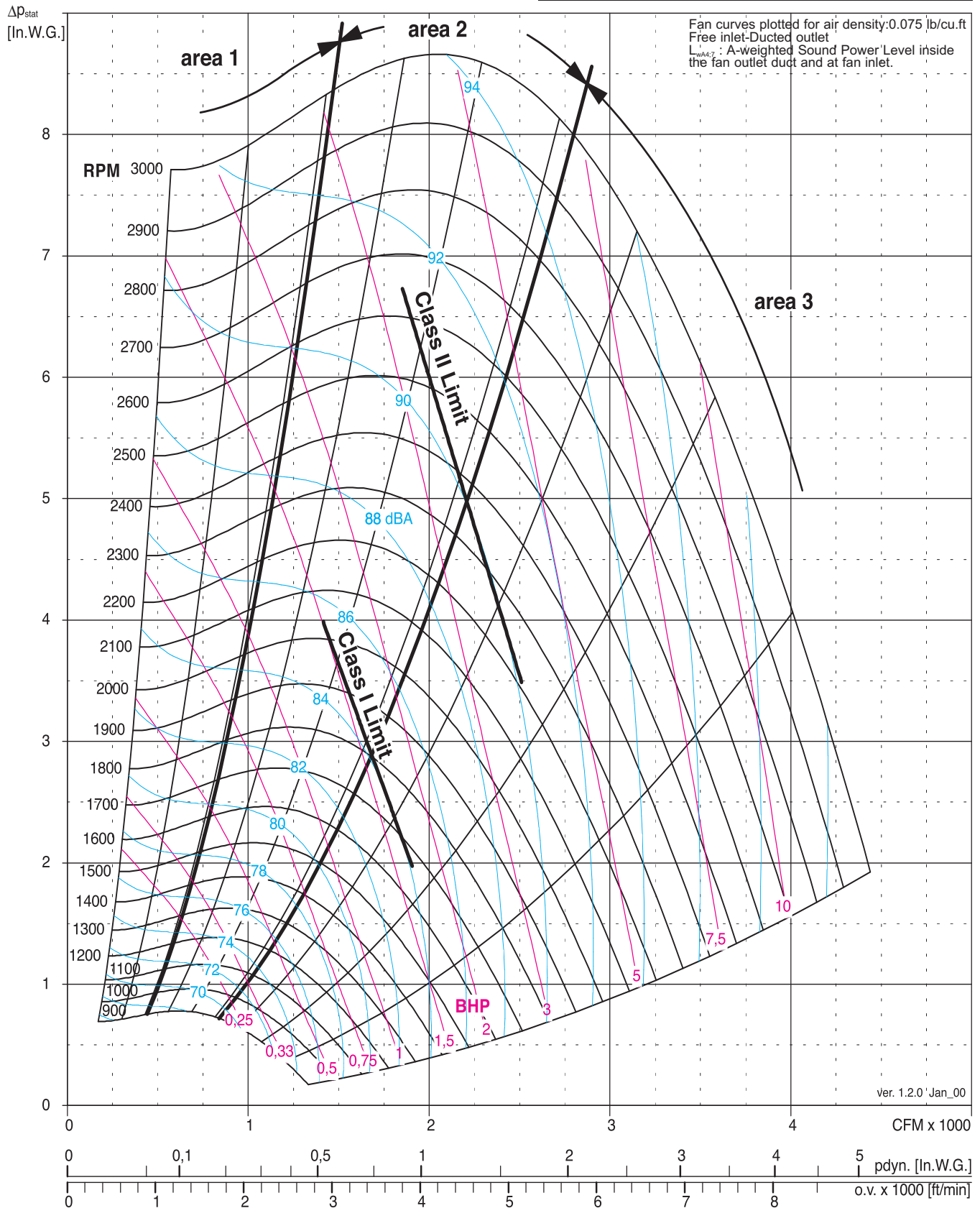
Δp_{stat} [In.W.G]																				
V	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5			
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	660	0.02	923	0.04	1120	0.07														
300	662	0.02	935	0.05	1139	0.08	1308	0.12	1588	0.19										
400	662	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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_{WH}	ΔL_{WdM4} 63	ΔL_{WdM4} 125	ΔL_{WdM4} 250	ΔL_{WdM4} 500	ΔL_{WdM4} 1000	ΔL_{WdM4} 2000	ΔL_{WdM4} 4000	ΔL_{WdM4} 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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	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

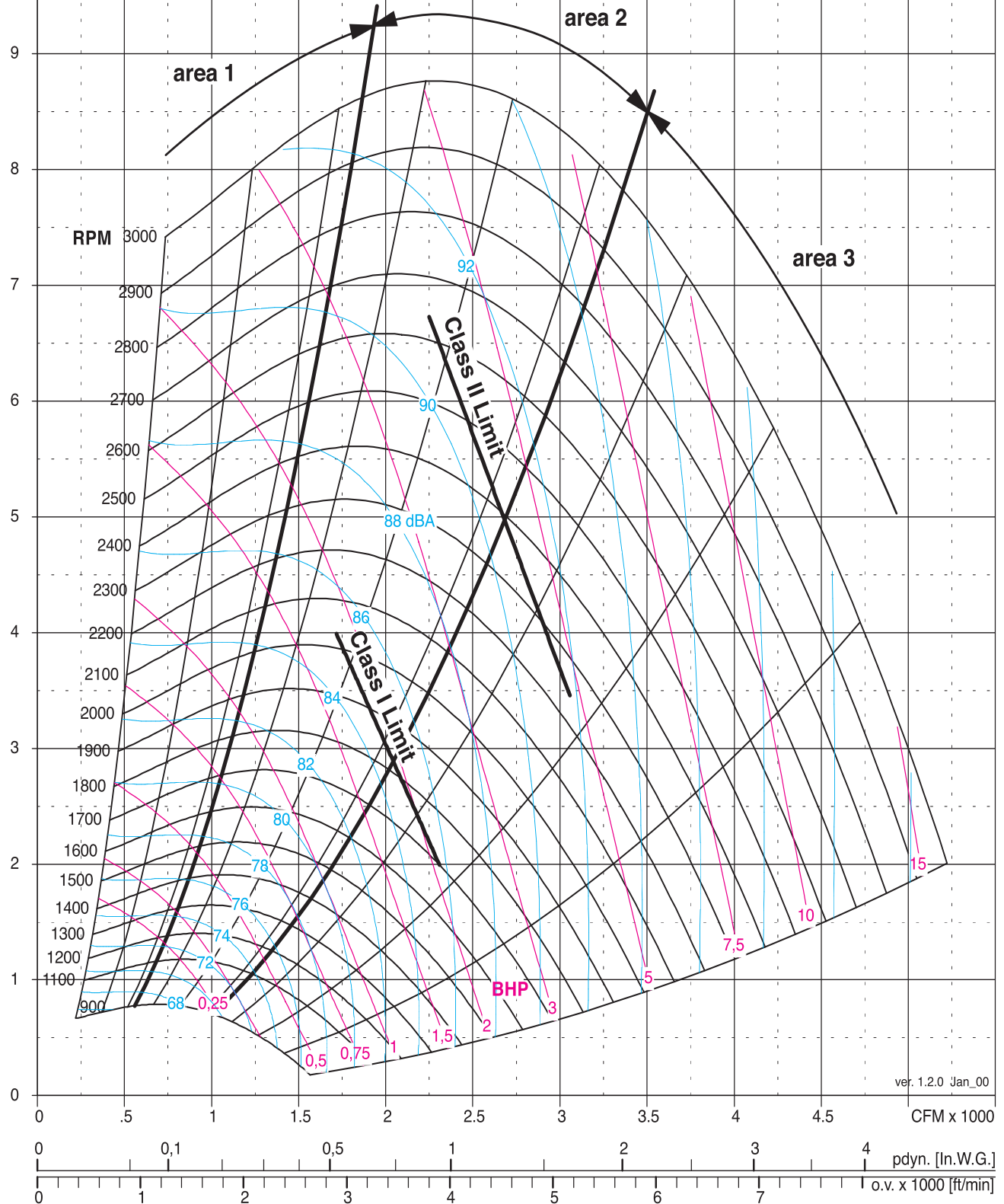
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{wM}	ΔL_{wM} 63	ΔL_{wM} 125	ΔL_{wM} 250	ΔL_{wM} 500	ΔL_{wM} 1000	ΔL_{wM} 2000	ΔL_{wM} 4000	ΔL_{wM} 8000
ATLI 9-4	Area 1	RPM < 561	11.8	10	5	1	-4	-7	-10	-15	-25
		562 <RPM< 1121	11.5	10	4	-1	-5	-6	-9	-13	-18
		1122 <RPM< 2211	10.3	8	5	-3	-7	-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



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

ΔP_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 L_{wmax} : A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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																		

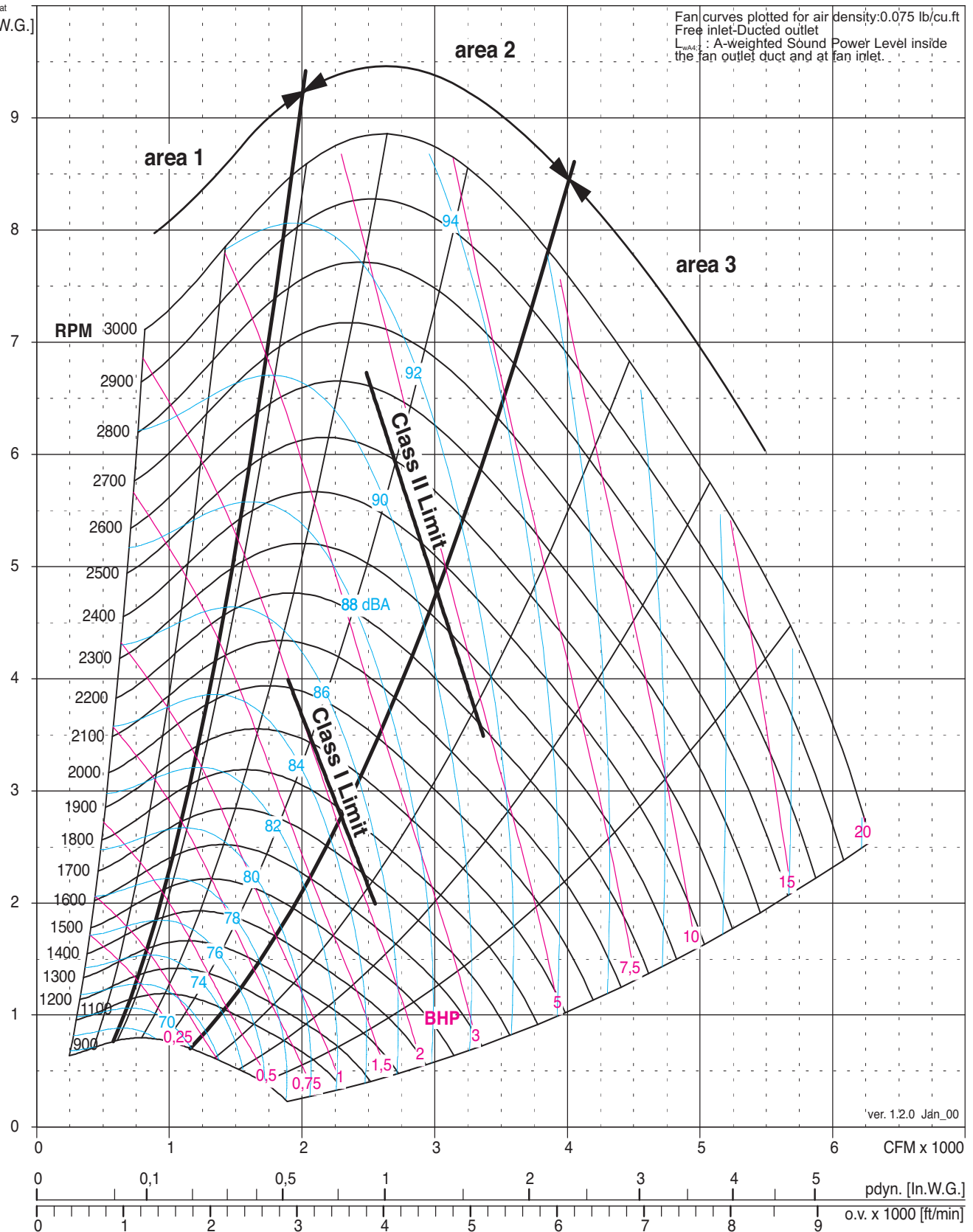
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{w4} 63	ΔL_{w4} 125	ΔL_{w4} 250	ΔL_{w4} 500	ΔL_{w4} 1000	ΔL_{w4} 2000	ΔL_{w4} 4000	ΔL_{w4} 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
	Area 2	RPM > 2212	11.0	9	5	-2	-6	-5	-6	-11	-17
		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



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

Δp_{stat}
[In.W.G.]





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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	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

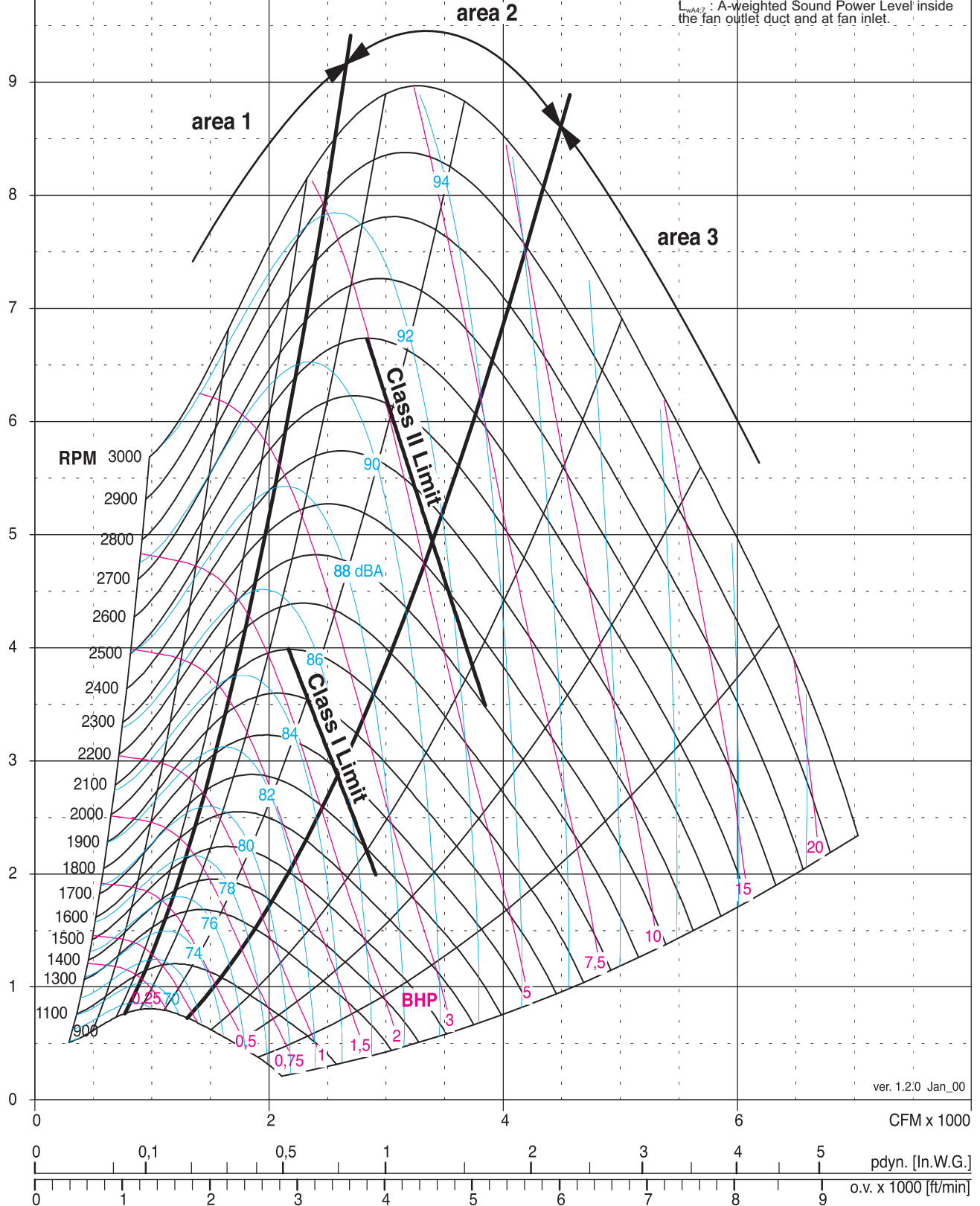
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{wocM} 63	ΔL_{wocM} 125	ΔL_{wocM} 250	ΔL_{wocM} 500	ΔL_{wocM} 1000	ΔL_{wocM} 2000	ΔL_{wocM} 4000	ΔL_{wocM} 8000
ATLI 9-7	Area 1	RPM < 561	12.7	11	6	1	-4	-6	-10	-16	-26
		562 <RPM< 1121	12.8	11	7	-2	-5	-5	-9	-16	-26
		1122 <RPM< 2211	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



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

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 L_{wmax} : A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 9-8 B / R / T2

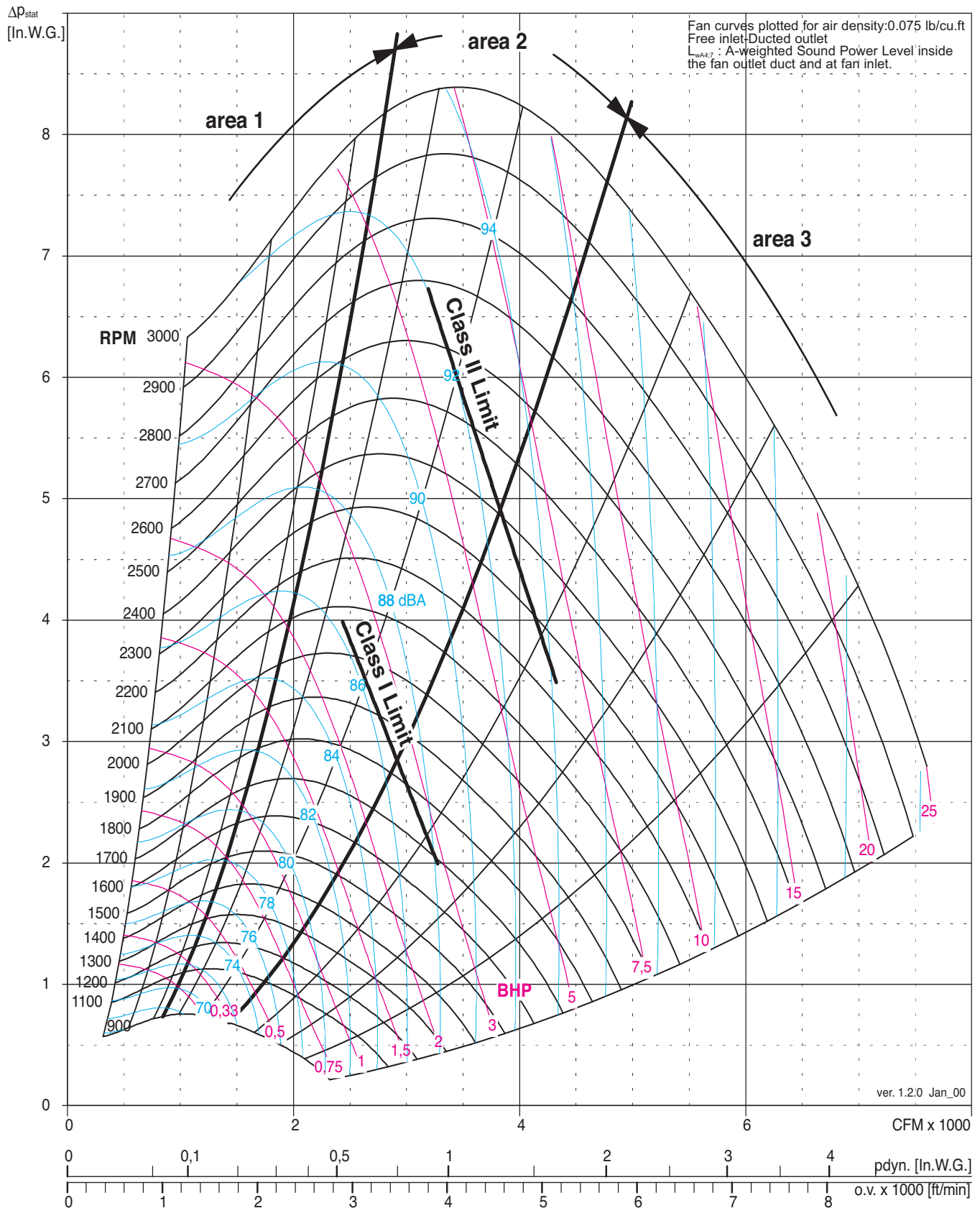
Δp_{stat} [In.W.G]																				
V	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8		
[CFM]	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
200	630 0.02																			
300	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	2484 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	1167 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_{wA}	ΔL_{wocA} 63	ΔL_{wocA} 125	ΔL_{wocA} 250	ΔL_{wocA} 500	ΔL_{wocA} 1000	ΔL_{wocA} 2000	ΔL_{wocA} 4000	ΔL_{wocA} 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



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



**comefri****DOUBLE INLET FORWARD CURVED FANS - ATLI****ATLI 9-9 B / R / T2**

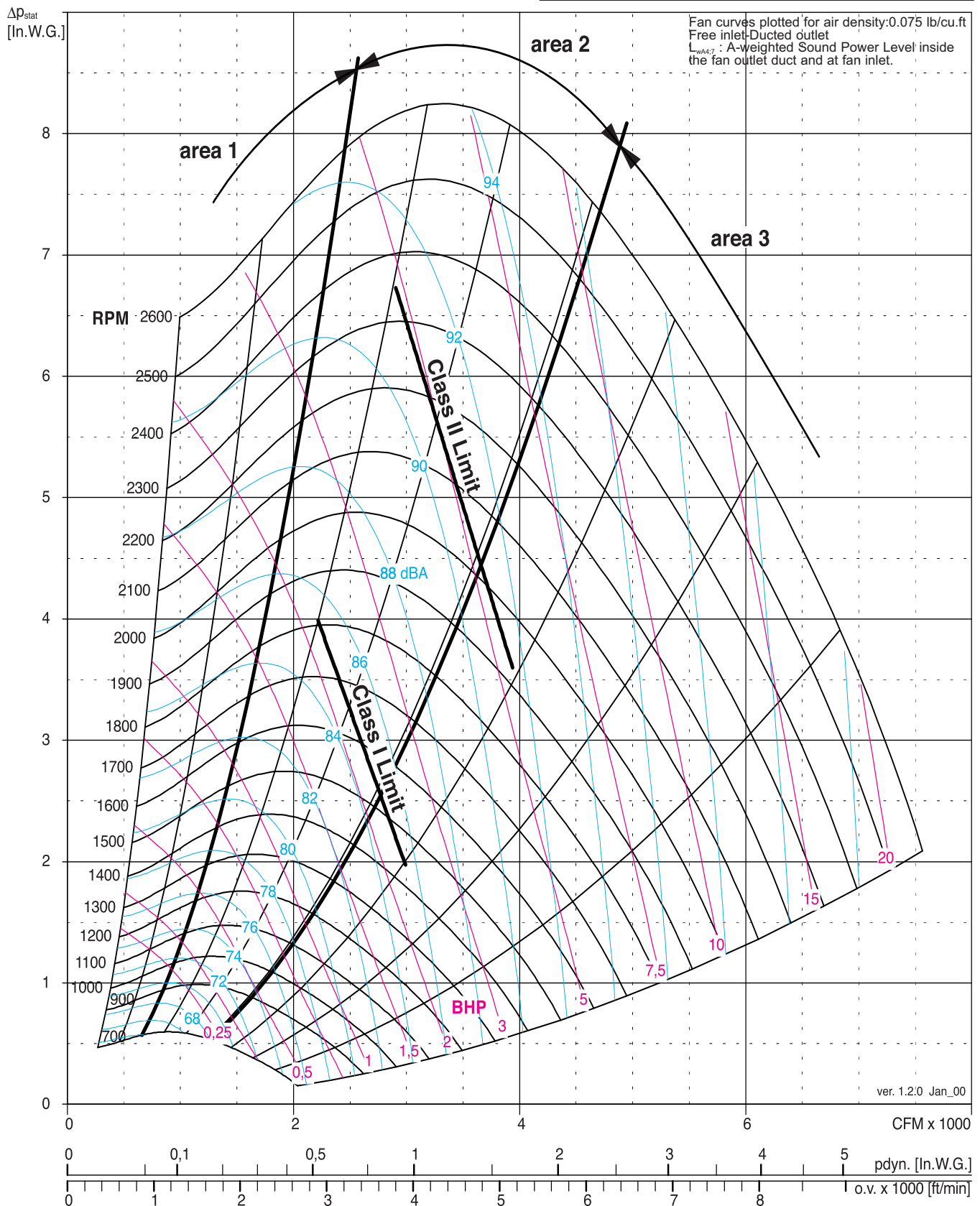
V		Δp_{stat} [In.W.G]																				
		0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		
[CFM]		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
300	573	0.03	843	0.07	1041	0.13	1204	0.19	1472	0.35												
400	543	0.03	818	0.07	1026	0.13	1196	0.2	1474	0.36	1702	0.55	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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_{wa}	ΔL_{woc4} 63	ΔL_{woc4} 125	ΔL_{woc4} 250	ΔL_{woc4} 500	ΔL_{woc4} 1000	ΔL_{woc4} 2000	ΔL_{woc4} 4000	ΔL_{woc4} 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	-5	-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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 10-7 B/R/T2

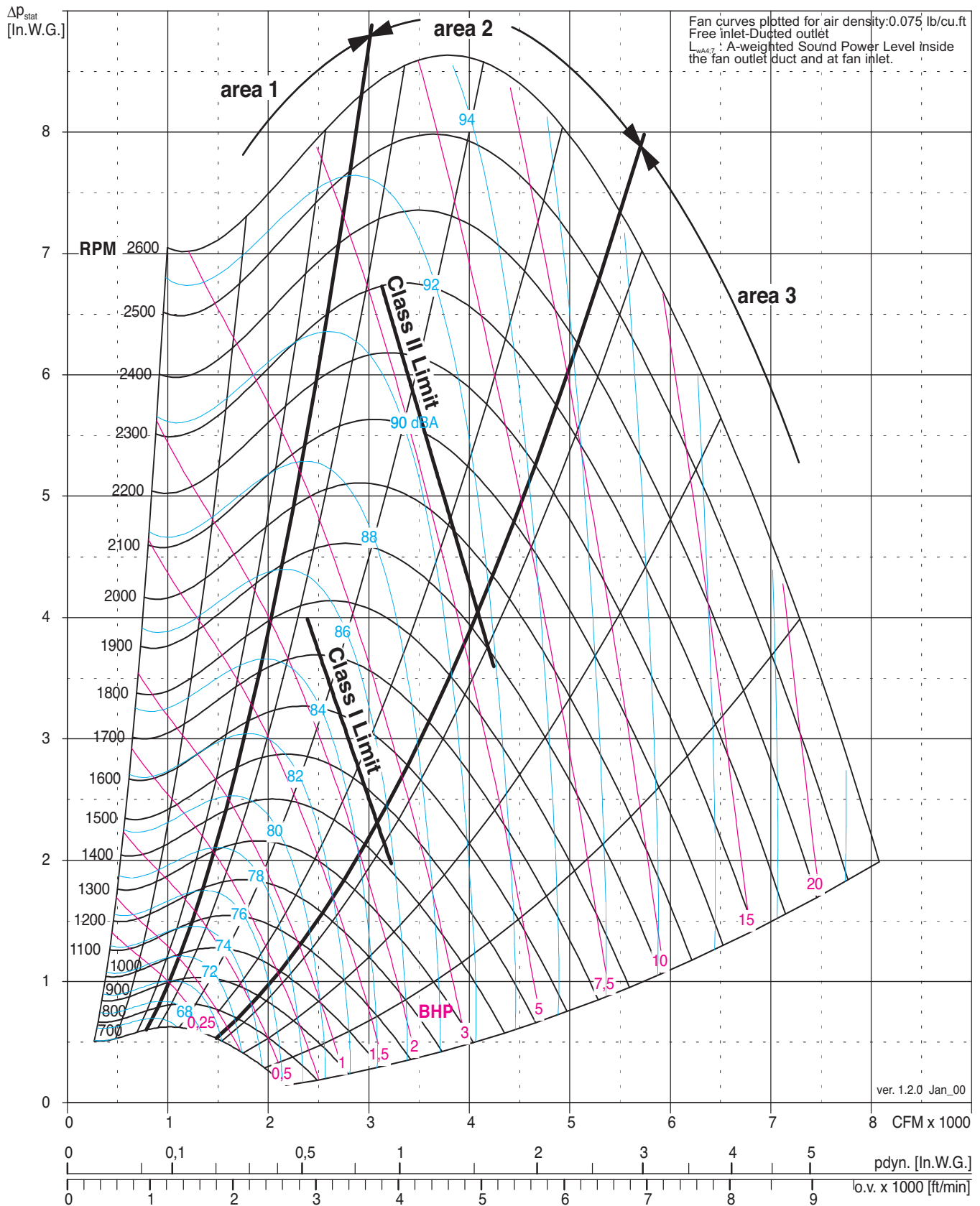
Δp _{stat} [In.W.G]																																		
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	510	0.02	725	0.05																														
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_{wocM4} 63	ΔL_{wocM4} 125	ΔL_{wocM4} 250	ΔL_{wocM4} 500	ΔL_{wocM4} 1000	ΔL_{wocM4} 2000	ΔL_{wocM4} 4000	ΔL_{wocM4} 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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

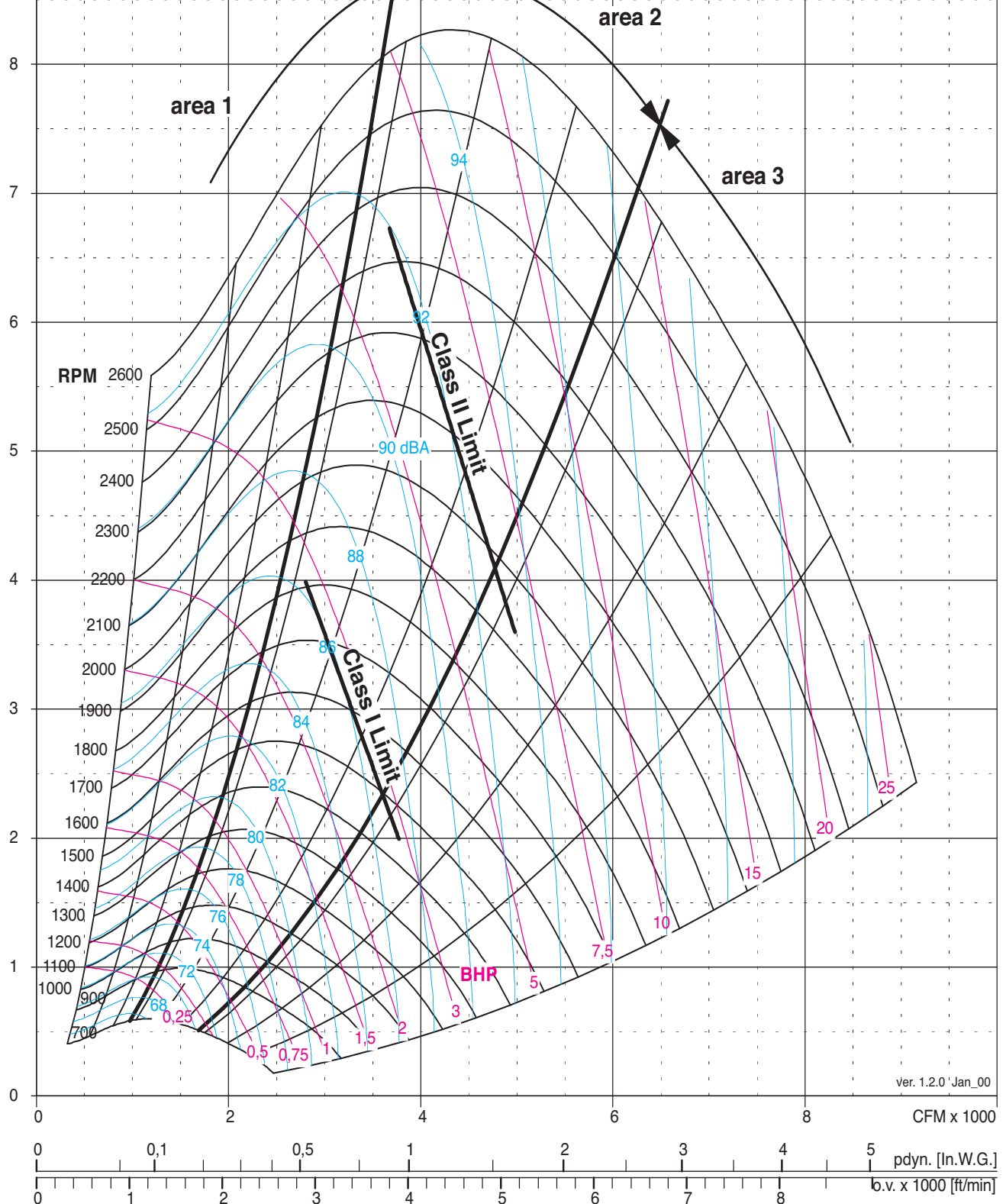
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{woc4} 63	ΔL_{woc4} 125	ΔL_{woc4} 250	ΔL_{woc4} 500	ΔL_{woc4} 1000	ΔL_{woc4} 2000	ΔL_{woc4} 4000	ΔL_{woc4} 8000
ATLI 10-8	Area 1	RPM < 507	11.7	10	5	0	-5	-6	-9	-15	-26
		508 <RPM< 1014	10.7	9	4	-3	-6	-4	-8	-14	-25
		1015 <RPM< 2000	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



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

 Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 $L_{WA4,7}$: A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.





comefri

DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 10-9 B / R / T2

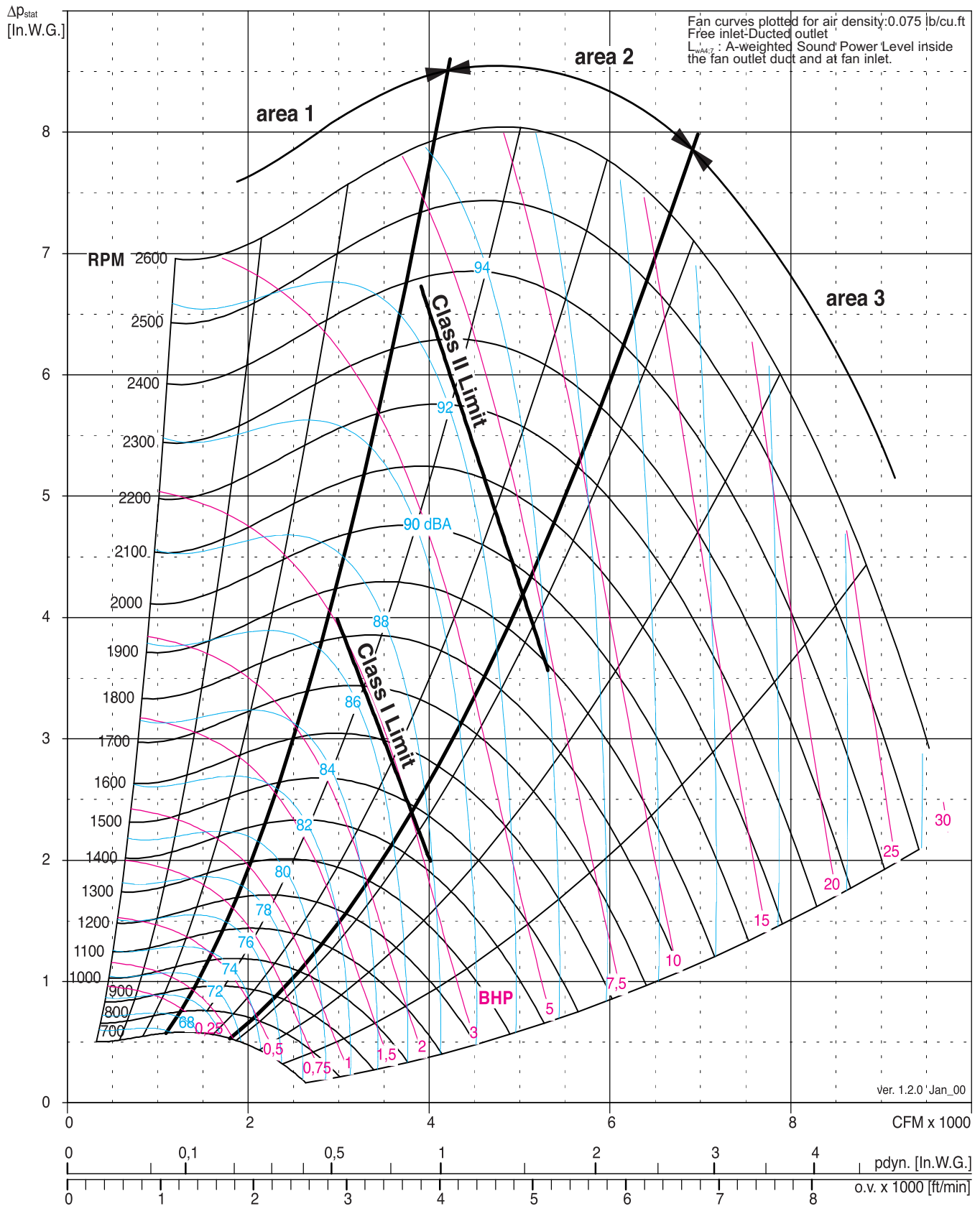
Δp _{stat} [In.W.G]																																		
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5		7		7.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
300	542	0.03	782	0.09	956	0.16																												
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										

SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 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



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

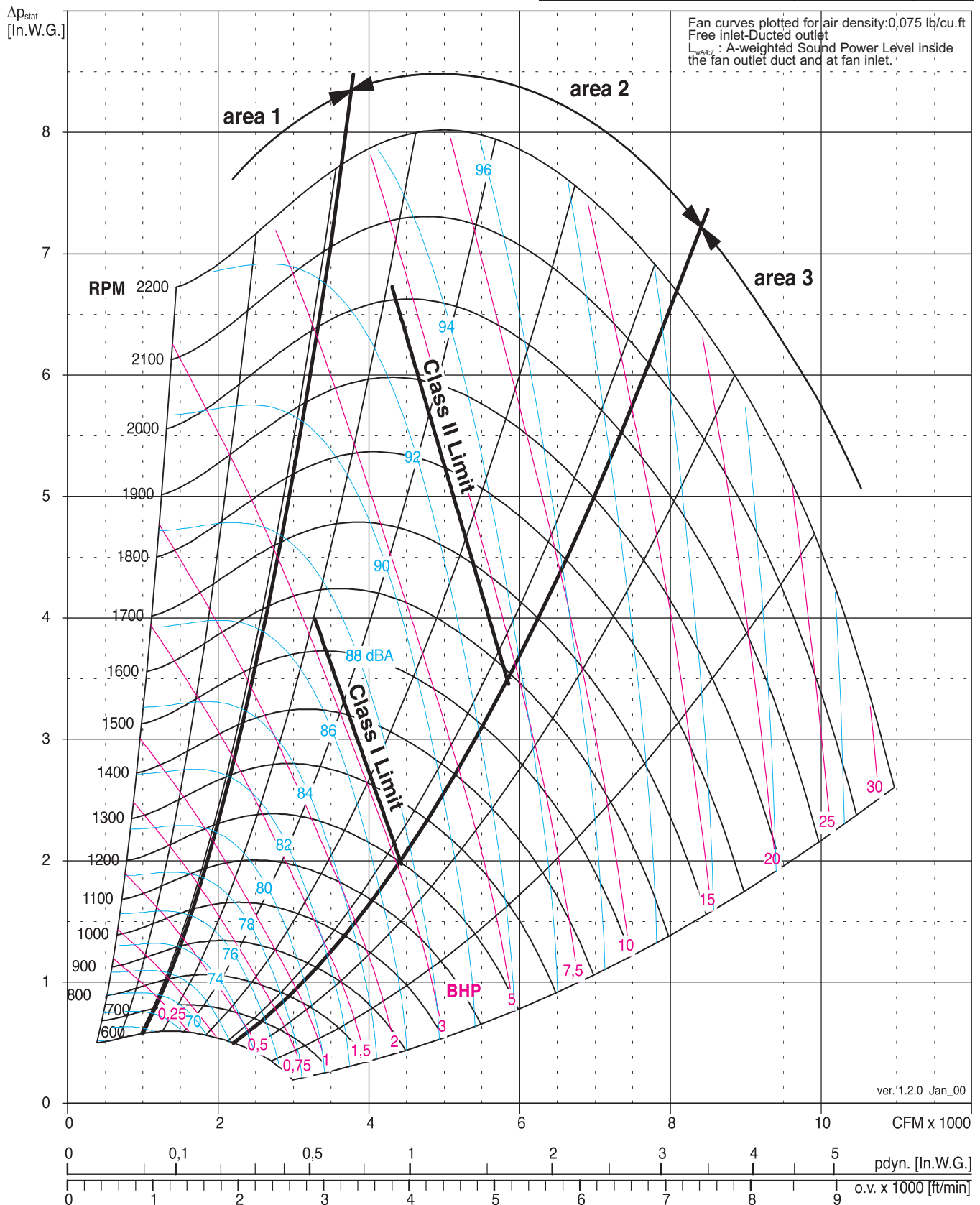
		Δp_{stat} [In.W.G]																	
V	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7			
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
300	493	0.03																	
500	478	0.04	693	0.1	854	0.17	986	0.27	1206	0.49									
700	462	0.04	677	0.1	843	0.18	981	0.27	1207	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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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_{w4}	ΔL_{woc4} 63	ΔL_{woc4} 125	ΔL_{woc4} 250	ΔL_{woc4} 500	ΔL_{woc4} 1000	ΔL_{woc4} 2000	ΔL_{woc4} 4000	ΔL_{woc4} 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 12-9 B/R/T2

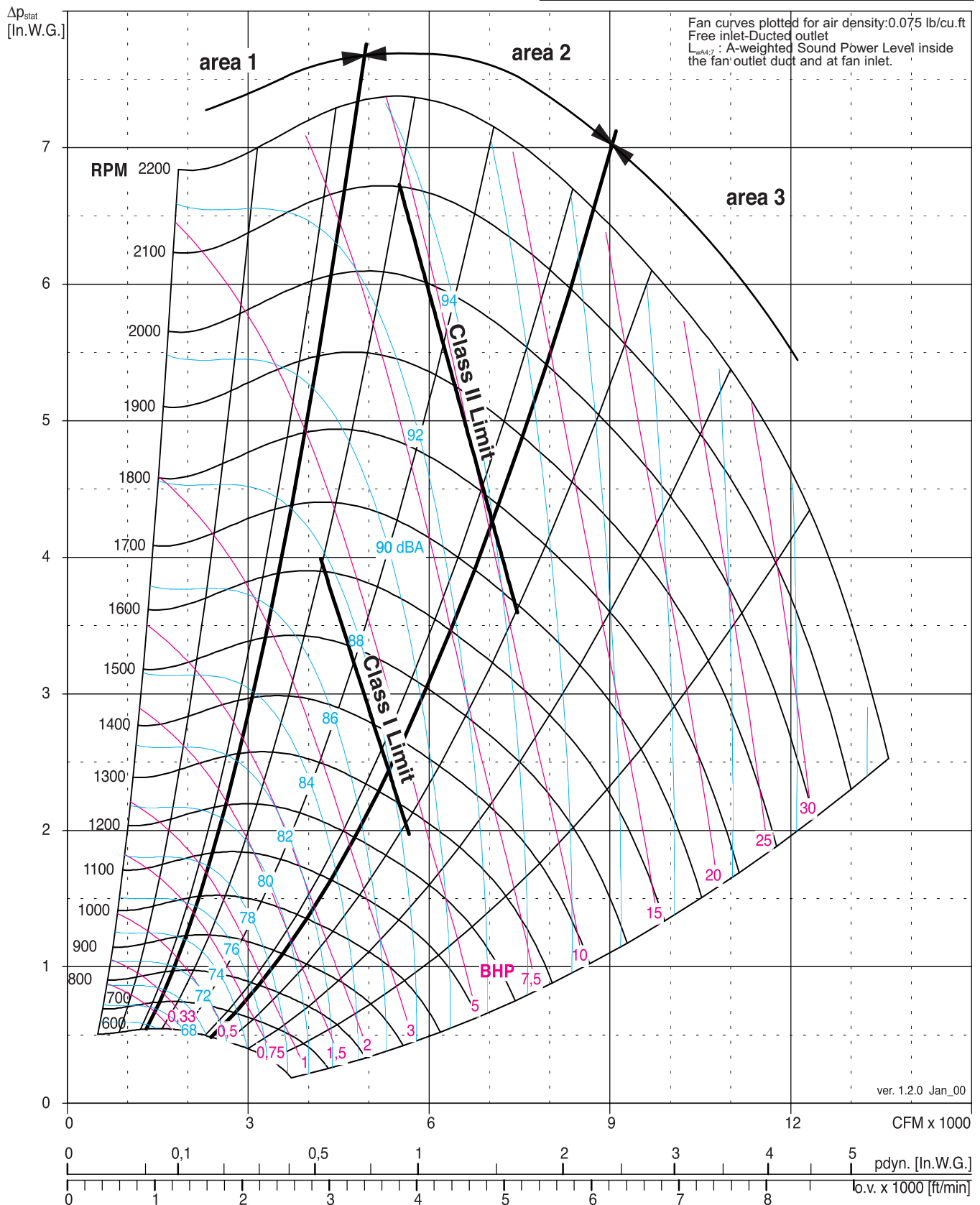
Δp _{stat} [In.W.G]																				
V	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7				
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
600			587 0.08	729 0.14	847 0.2	1041 0.34	1202 0.5	1343 0.67												
1000			555 0.12	695 0.18	816 0.25	1019 0.41	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_{WCH4} 63	ΔL_{WCH4} 125	ΔL_{WCH4} 250	ΔL_{WCH4} 500	ΔL_{WCH4} 1000	ΔL_{WCH4} 2000	ΔL_{WCH4} 4000	ΔL_{WCH4} 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
	Area 2	RPM > 1751	13.3	12	6	-1	-6	-5	-8	-12	-19
		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
	Area 3	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
		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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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	
[CFM]	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
4600	735	1.52	793	1.71	863	1.92	938	2.14	1078	2.57	1203	3	1318	3.4	1426	3.9	1528	4.37
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

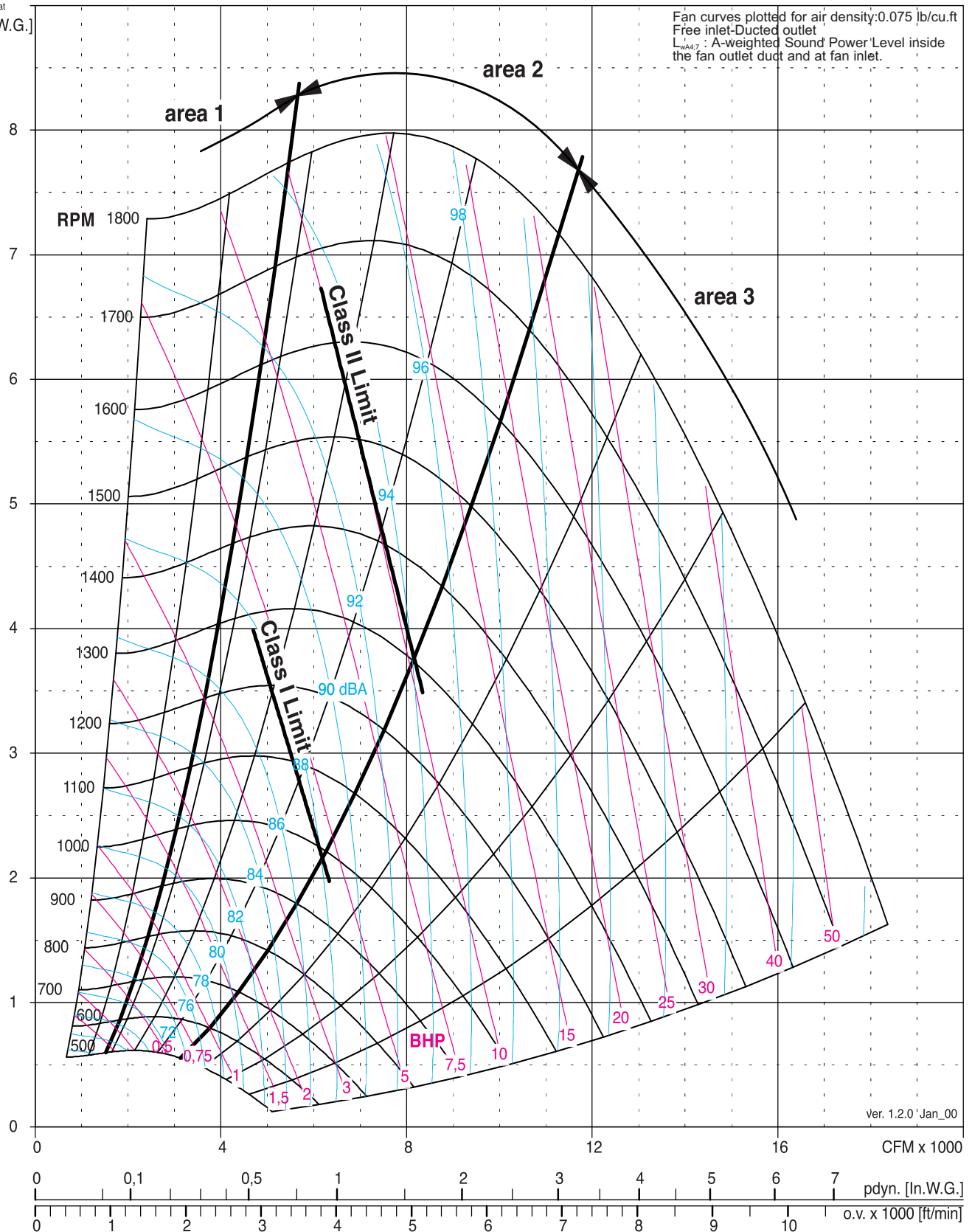
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{WCH} 63	ΔL_{WCH} 125	ΔL_{WCH} 250	ΔL_{WCH} 500	ΔL_{WCH} 1000	ΔL_{WCH} 2000	ΔL_{WCH} 4000	ΔL_{WCH} 8000
ATLI 12-12	Area 1	RPM < 444	15.7	15	5	1	-4	-6	-12	-20	-29
		445 <RPM< 888	15.6	15	5	-2	-2	-5	-12	-20	-29
		889 <RPM< 1750	14.1	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



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

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 $L_{w,dB}$: A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.



Ver. 1.2.0 Jan_00

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	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_{Wd}	ΔL_{WdH} 63	ΔL_{WdH} 125	ΔL_{WdH} 250	ΔL_{WdH} 500	ΔL_{WdH} 1000	ΔL_{WdH} 2000	ΔL_{WdH} 4000	ΔL_{WdH} 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



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

Δp_{stat}
[In.W.G.]



ver. 1.2.0 Jan_00



comefri

DOUBLE INLET FORWARD CURVED FANS - ATLI

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			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	464	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																										

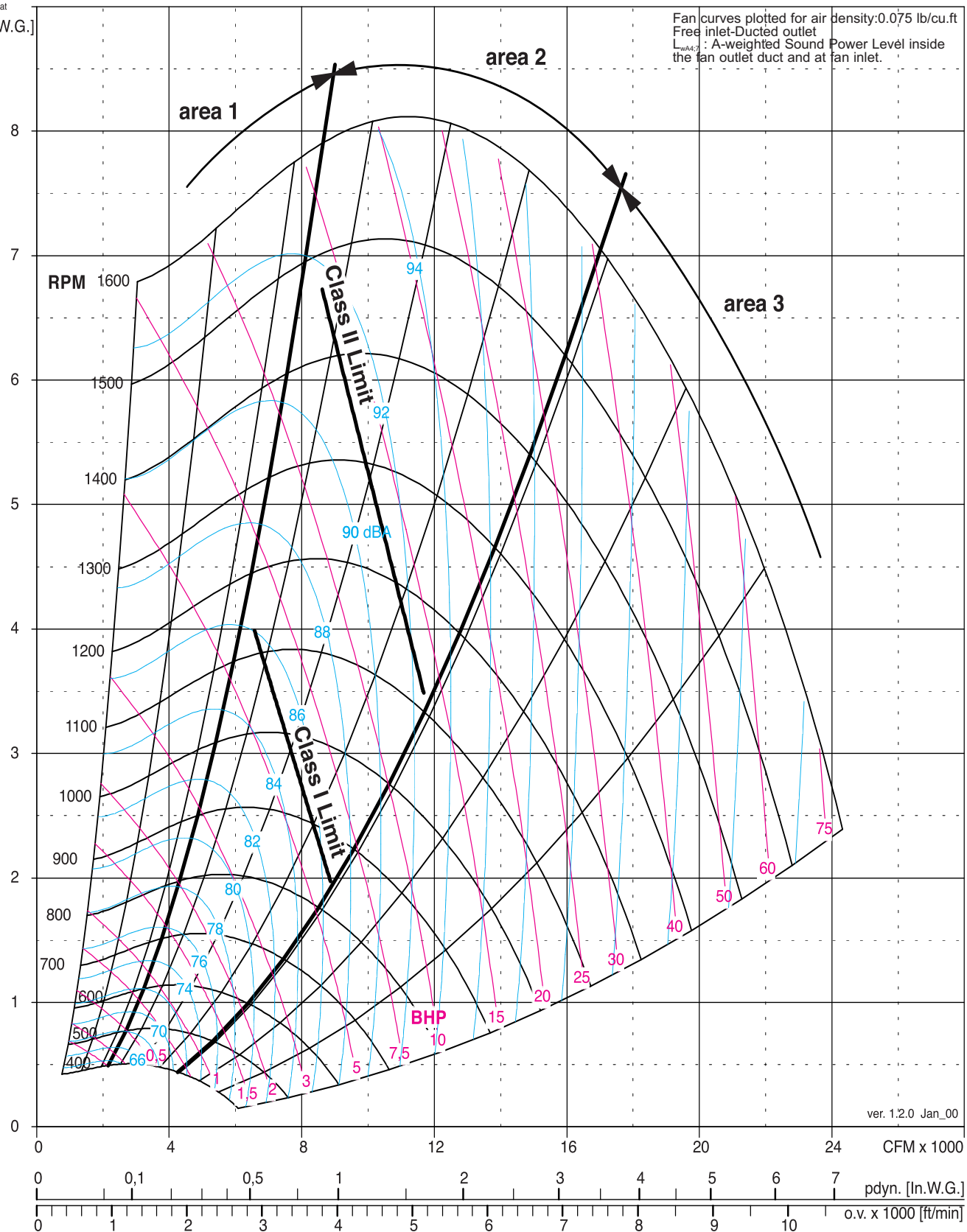
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 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



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

Δp_{stat}
[In.W.G.]



ATLI 18-13 B / R / T2

Δp _{stat} [In.W.G]																																
v [CFM]	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	
	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
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																								

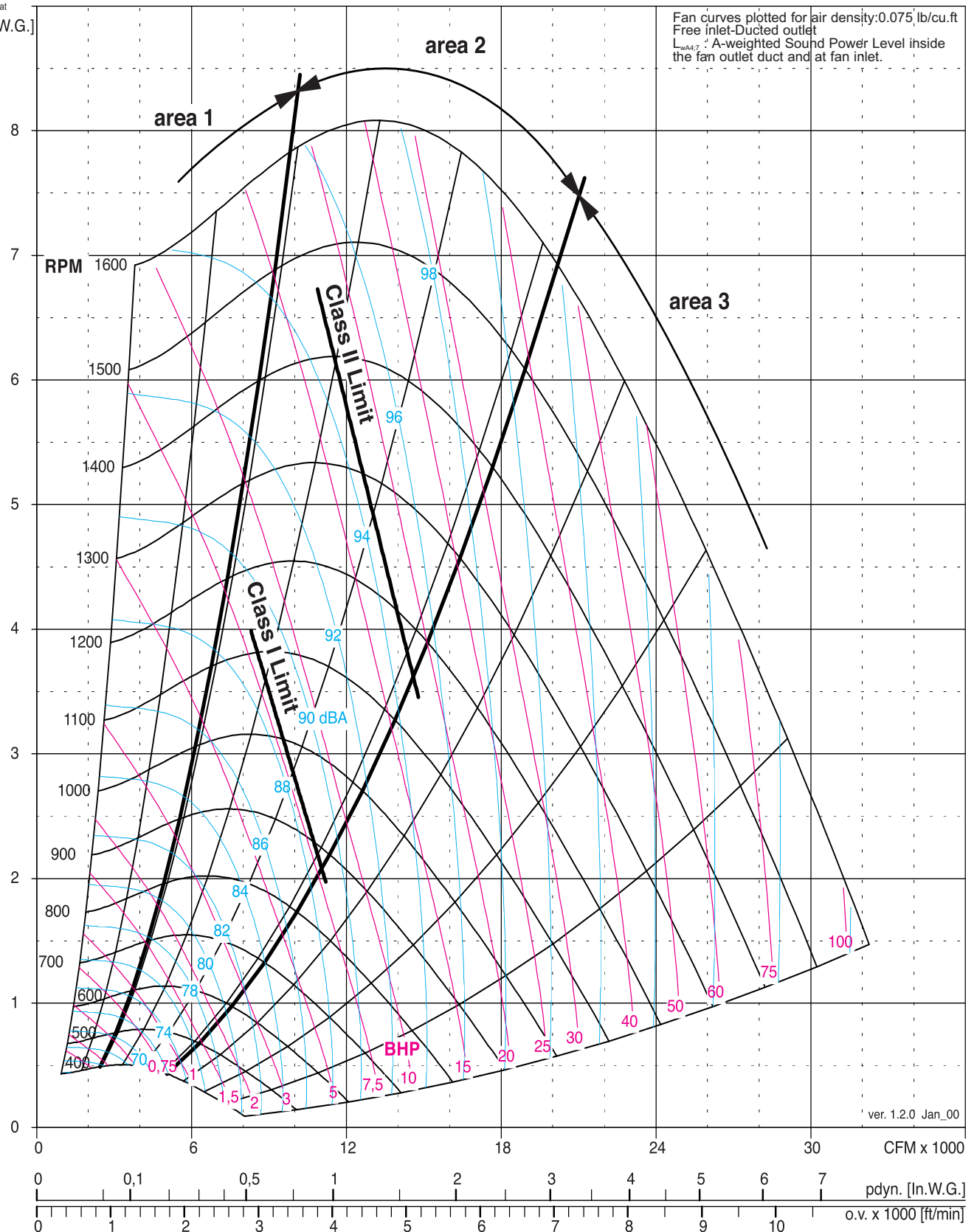
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{woc4} 63	ΔL_{woc4} 125	ΔL_{woc4} 250	ΔL_{woc4} 500	ΔL_{woc4} 1000	ΔL_{woc4} 2000	ΔL_{woc4} 4000	ΔL_{woc4} 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



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

Δp_{stat}
[In.W.G.]





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
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	847	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</																									

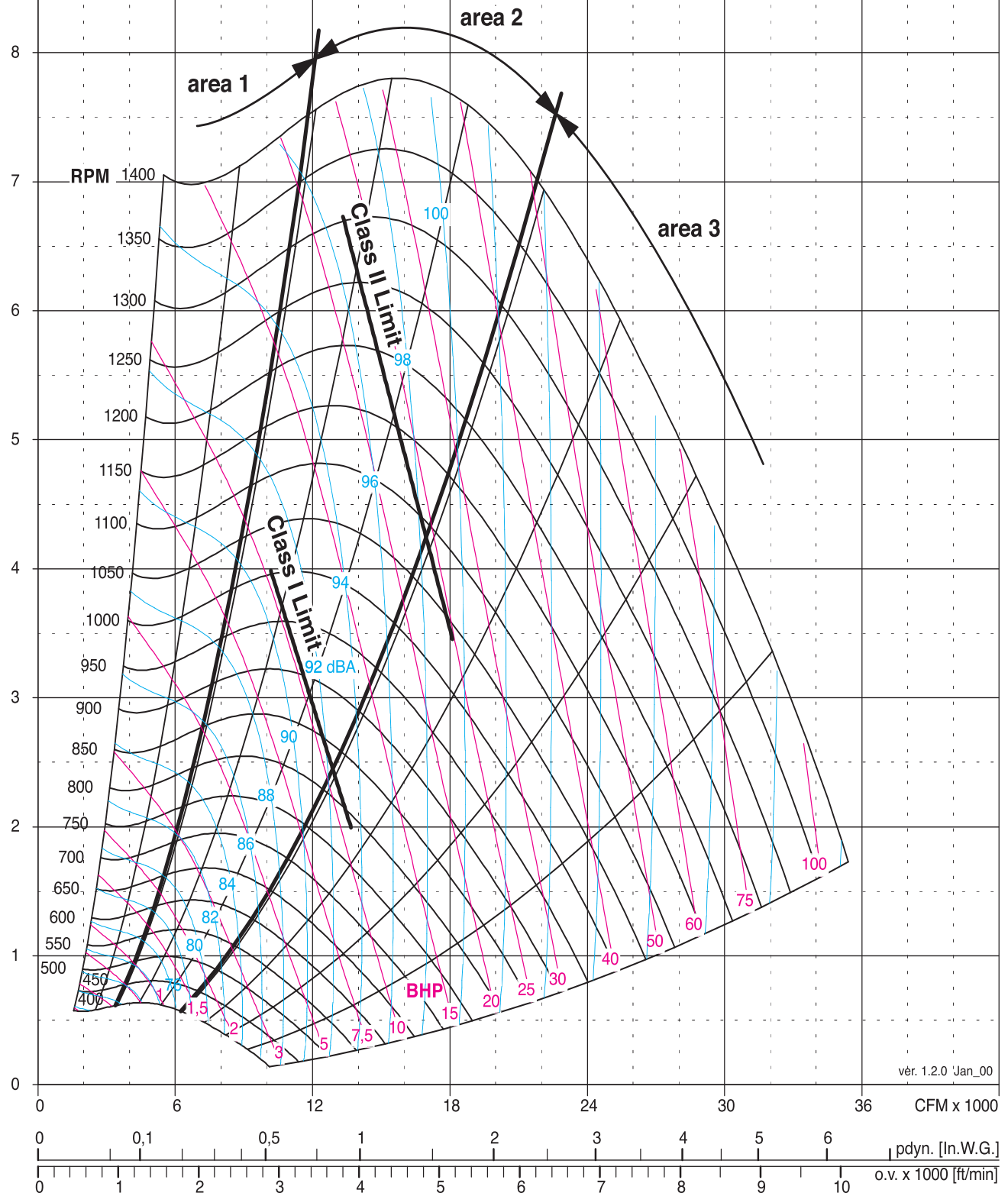
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{w4} 63	ΔL_{w4} 125	ΔL_{w4} 250	ΔL_{w4} 500	ΔL_{w4} 1000	ΔL_{w4} 2000	ΔL_{w4} 4000	ΔL_{w4} 8000
ATLI 18-18	Area 1	RPM < 444	16.7	16	6	3	-3	-8	-11	-16	-24
		445 <RPM< 888	16.5	16	5	0	-3	-7	-9	-13	-21
		RPM > 889	12.4	11	5	-1	-4	-5	-10	-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



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

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density; 0.075 lb/cu.ft
Free inlet-Ducted outlet
 $L_{wA(1)}$: A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.



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DOUBLE INLET FORWARD CURVED FANS - ATLI

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	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																						

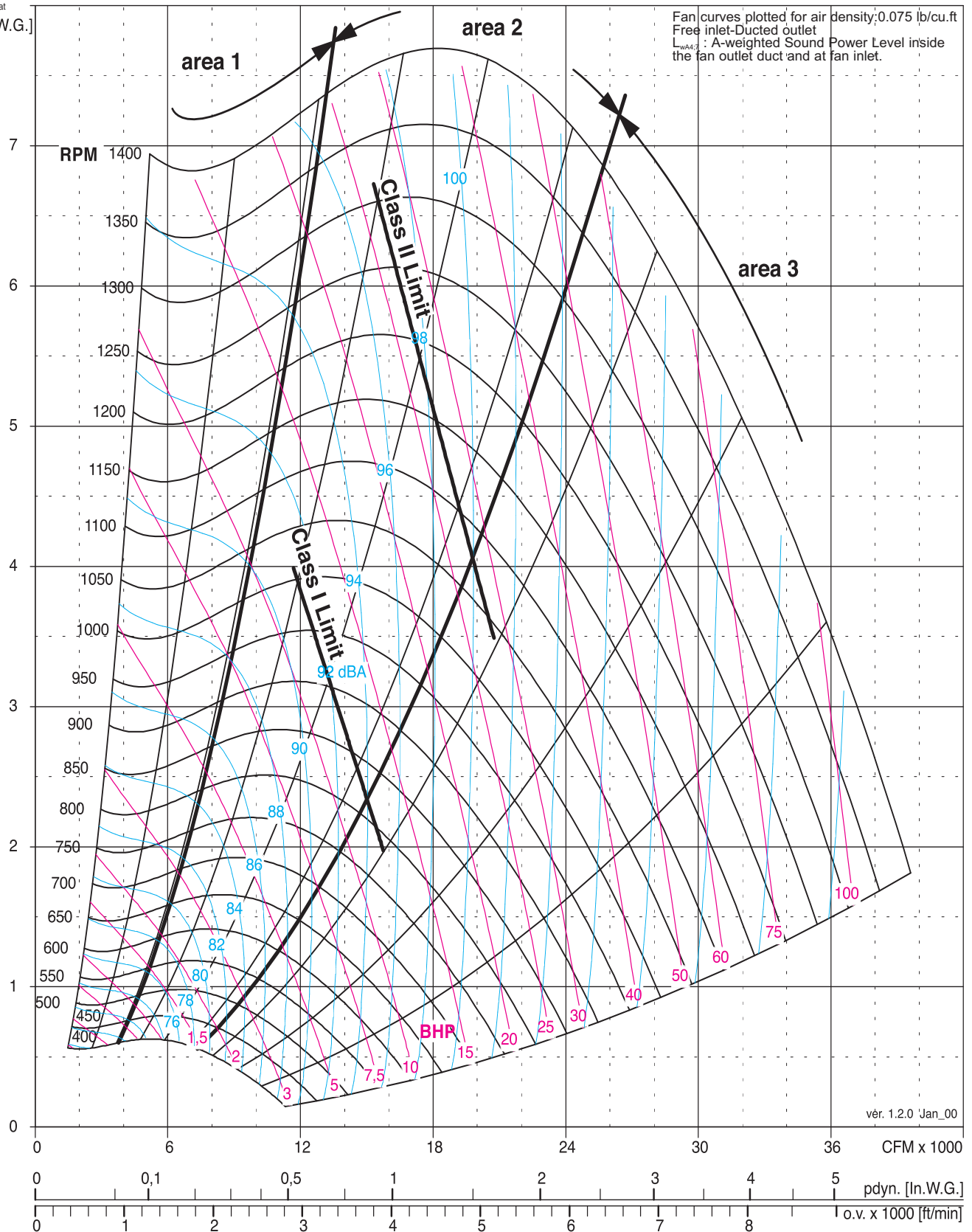
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{w4}	ΔL_{woc4} 63	ΔL_{woc4} 125	ΔL_{woc4} 250	ΔL_{woc4} 500	ΔL_{woc4} 1000	ΔL_{woc4} 2000	ΔL_{woc4} 4000	ΔL_{woc4} 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



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

Δp_{stat}
[In.W.G.]



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DOUBLE INLET FORWARD CURVED FANS - ATLI

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																						

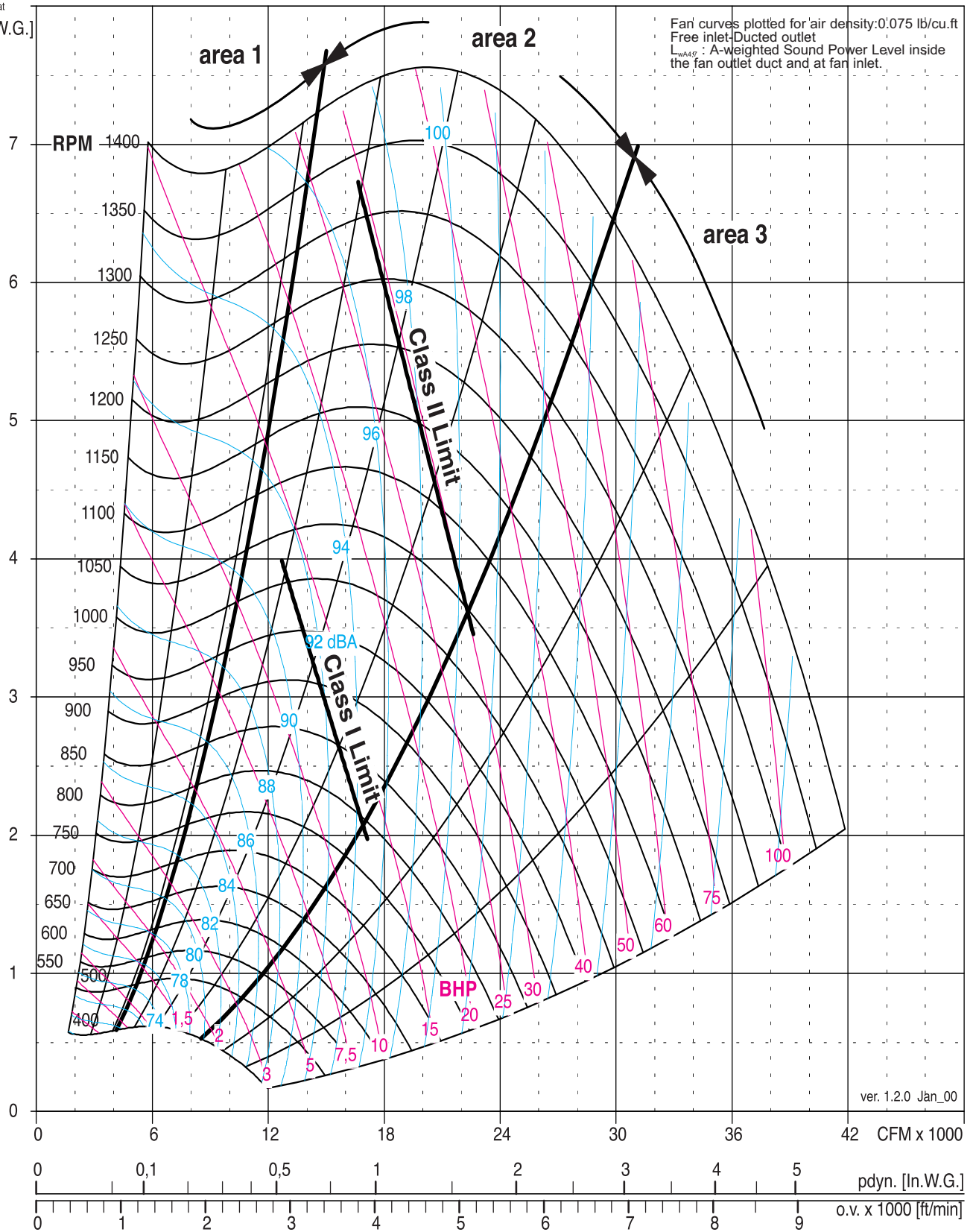
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{Wd63}	ΔL_{Wd125}	ΔL_{Wd250}	ΔL_{Wd500}	ΔL_{Wd1000}	ΔL_{Wd2000}	ΔL_{Wd4000}	ΔL_{Wd8000}
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



ATL1 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

Δp_{stat}
[In.W.G.]



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	
[CFM]	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
5500			360	0.77	444	1.09	520	1.44	650	2.22	757	3.09	849	4.03	931	5.04
6000			362	0.87	442	1.21	515	1.57	644	2.38	753	3.28	847	4.25	930	5.29
6500			366	0.99	441	1.34	512	1.72	639	2.55	749	3.48	844	4.48	929	5.55
7000			372	1.13	442	1.49	510	1.88	634	2.74	743	3.69	840	4.72	925	5.82
7500			378	1.27	445	1.66	509	2.06	630	2.95	738	3.92	835	4.98	921	6.11
8000			385	1.44	449	1.84	510	2.26	626	3.17	733	4.18	829	5.26	916	6.41
8500			393	1.62	454	2.04	513	2.48	624	3.42	728	4.45	824	5.55	911	6.73
9000			402	1.82	460	2.25	516	2.71	624	3.68	725	4.74	819	5.87	906	7.08
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
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
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
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
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
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
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
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
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
14000	472	4.75	511	5.21	552	5.74	592	6.33	669	7.62	743	9	815	10.4	885	11.9
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
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
15500	514	6.34	550	6.83	586	7.38	623	8	694	9.36	763	10.8	829	12.4	894	14
16000	529	6.94	563	7.44	598	8	634	8.62	703	10	770	11.5	835	13.1	898	14.7
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
17000	558	8.26	590	8.78	623	9.36	656	9.99	722	11.4	786	13	848	14.6	908	16.3
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
18000	587	9.74	617	10.3	648	10.9	679	11.5	742	13	803	14.6	862	16.3	920	18
19000	617	11.4	644	12	674	12.6	703	13.2	763	14.7	822	16.4	879	18.1	934	19.9
20000	646	13.2	673	13.8	700	14.5	728	15.1	785	16.6	841	18.3	896	20.1	949	22
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
21500	691	16.3	715	17	740	17.6	766	18.3	819	19.9	872	21.6	923	23.5	974	25.4
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
22500	721	18.7	744	19.3	768	20	792	20.7	843	22.3	893	24.1	943	26	992	28
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										

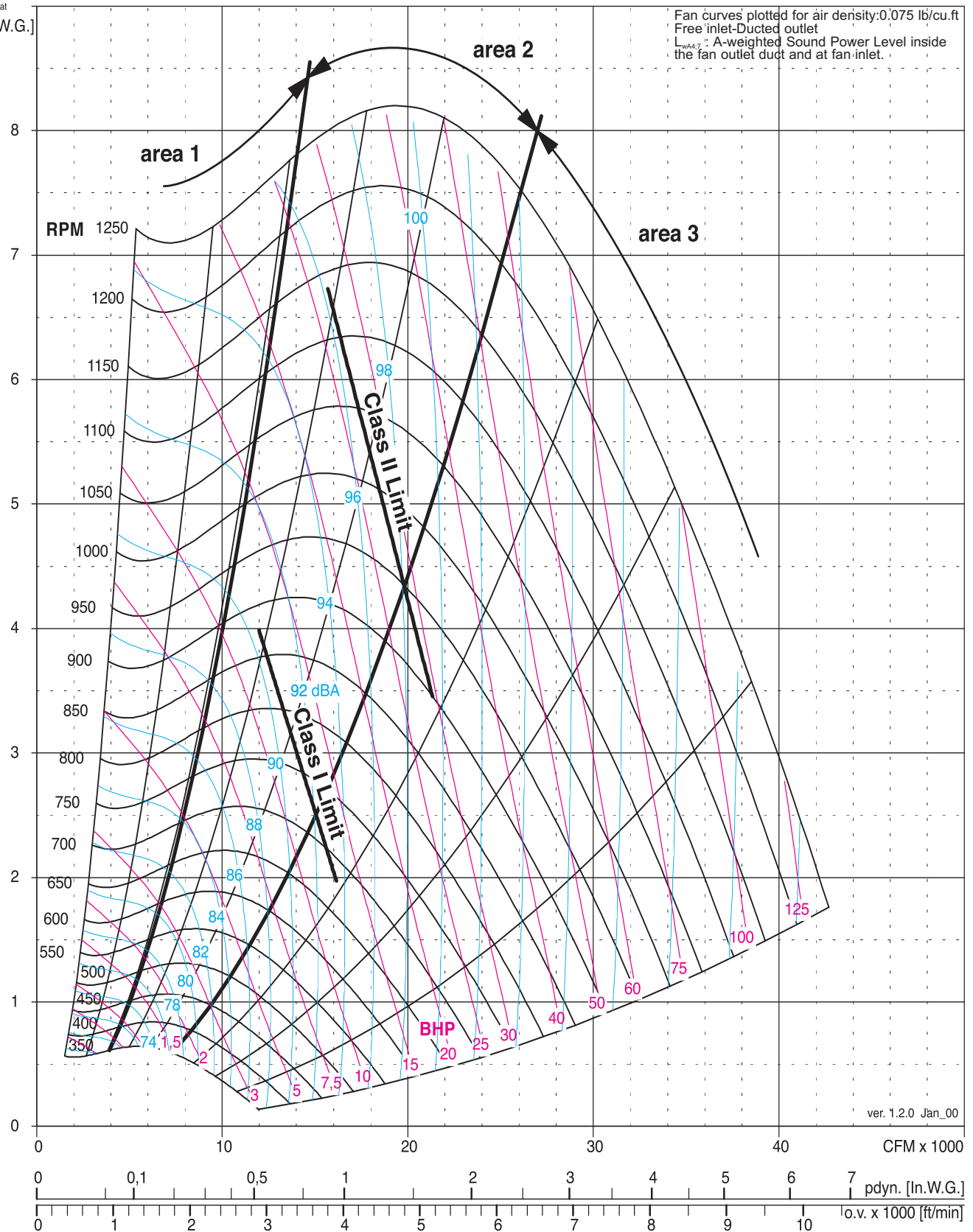
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{wA}	ΔL_{wocM} 63	ΔL_{wocM} 125	ΔL_{wocM} 250	ΔL_{wocM} 500	ΔL_{wocM} 1000	ΔL_{wocM} 2000	ΔL_{wocM} 4000	ΔL_{wocM} 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



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

Δp_{stat}
[In.W.G.]





comefri

DOUBLE INLET FORWARD CURVED FANS - ATLI

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	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

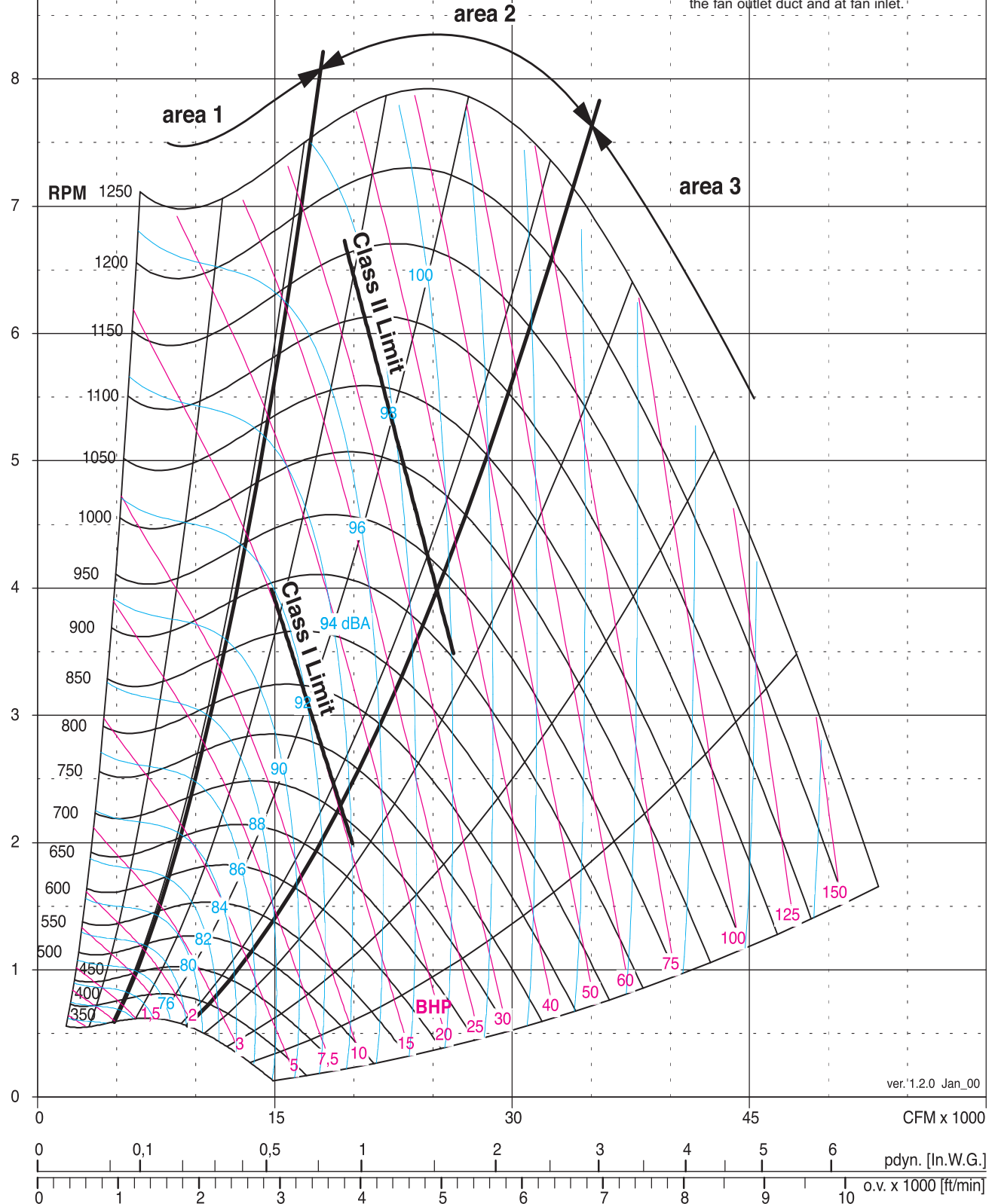
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 8000
ATLI 22-15	Area 1	RPM < 507	14.0	13	4	2	-2	-6	-10	-16	-24
		508 <RPM< 1014	12.1	11	3	-3	-3	-5	-9	-12	-18
		RPM > 1015	11.3	10	3	-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



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

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 $L_{WA(4)}$: A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.



ver. 1.2.0 Jan_00

**comefri****DOUBLE INLET FORWARD CURVED FANS - ATLI****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
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

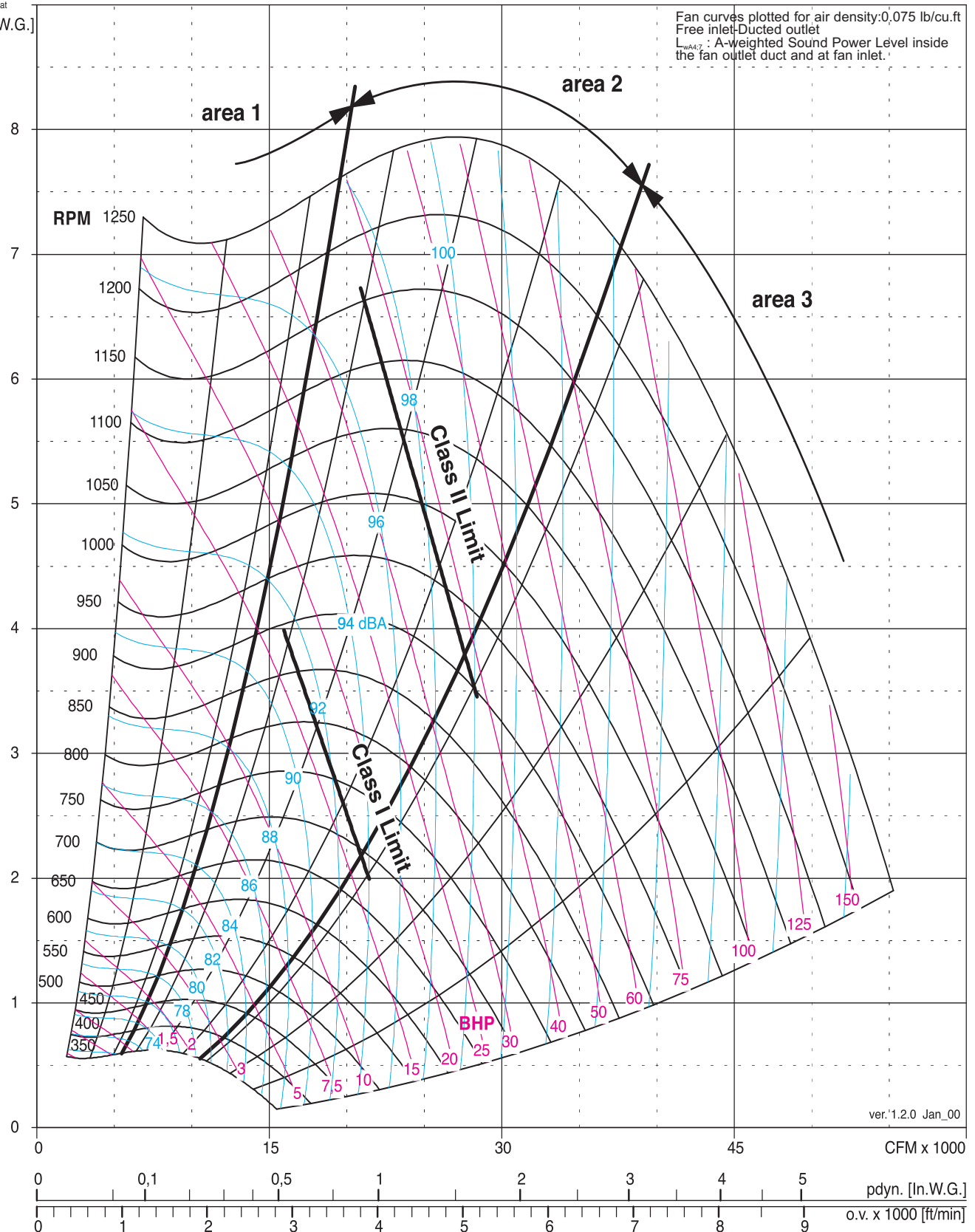
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{W4}	ΔL_{W4M} 63	ΔL_{W4M} 125	ΔL_{W4M} 250	ΔL_{W4M} 500	ΔL_{W4M} 1000	ΔL_{W4M} 2000	ΔL_{W4M} 4000	ΔL_{W4M} 8000
ATLI 22-20	Area 1	RPM < 507	12.2	11	3	1	-3	-6	-9	-17	-26
		508 <RPM< 1014	11.6	10	4	-1	-3	-5	-9	-13	-21
		RPM > 1015	10.8	9	4	-2	-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
		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



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

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 $L_{wA4,7}$: A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.



ver. 1.2.0 Jan_00



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DOUBLE INLET FORWARD CURVED FANS - ATLI

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
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													
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																		

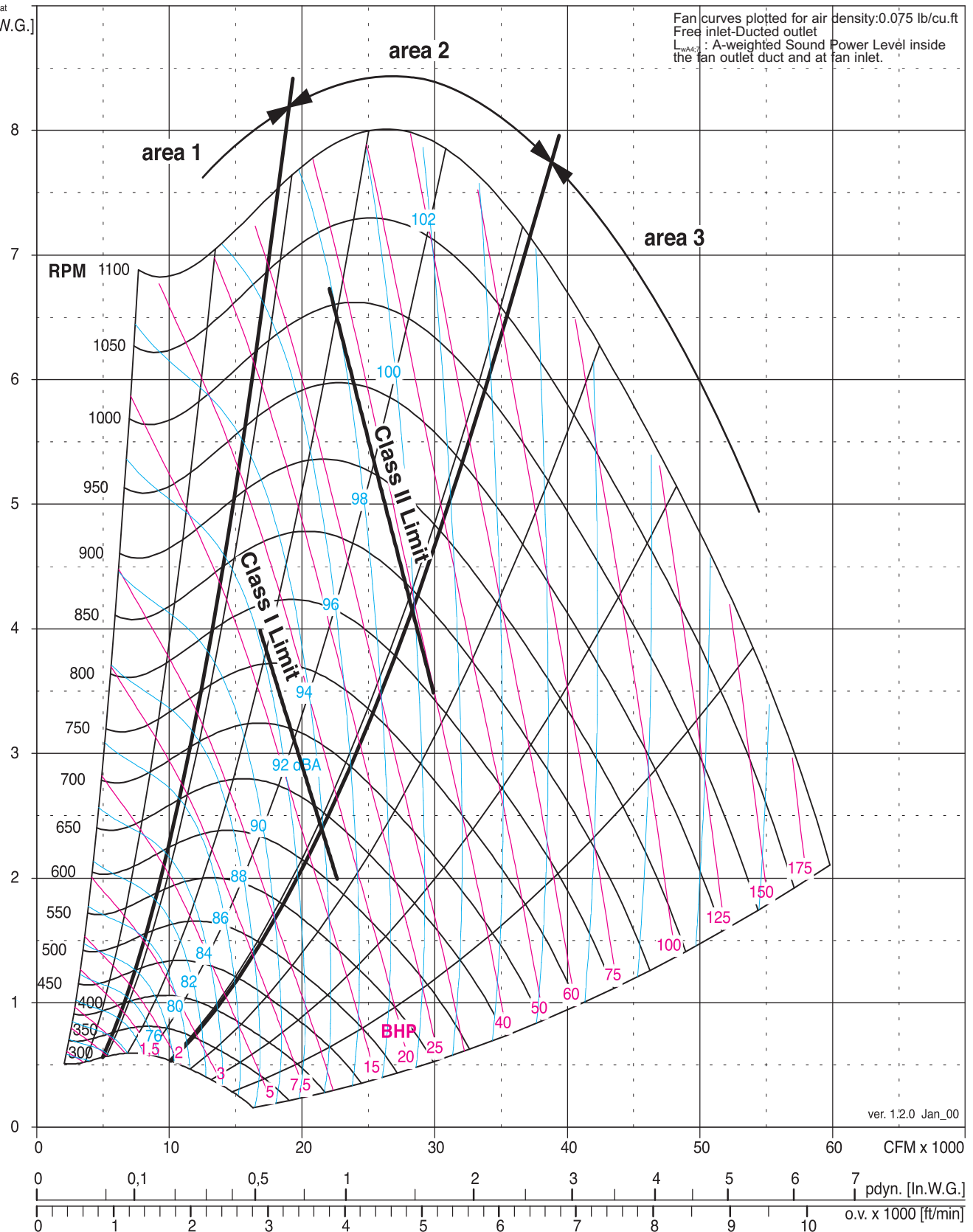
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{WA}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 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



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

Δp_{stat}
[In.W.G.]





comefri

DOUBLE INLET FORWARD CURVED FANS - ATLI

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
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	4.82	729	5.85	787	7.15	839	8.52
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

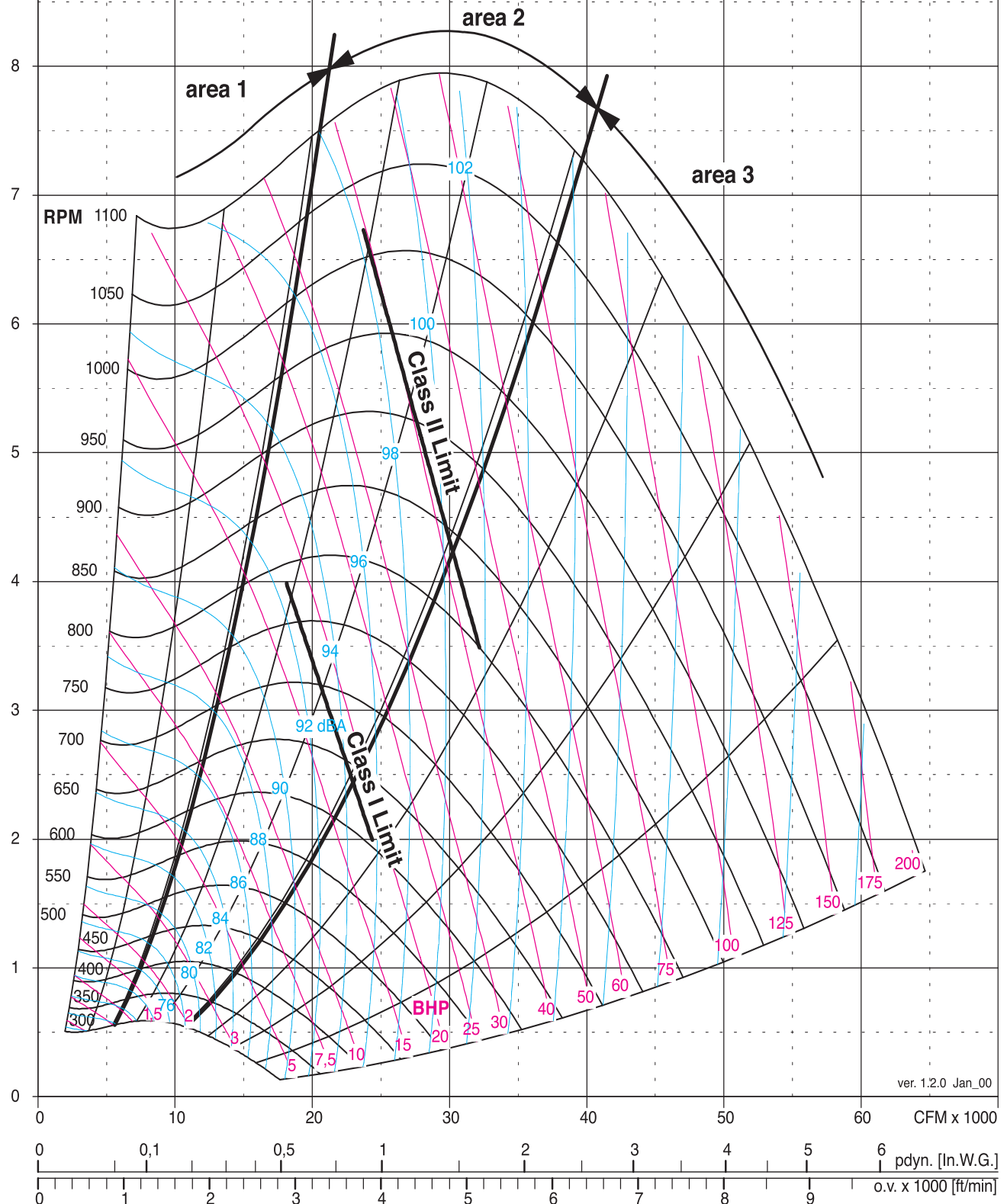
Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 8000
ATLI 25-20	Area 1	RPM < 284	12.1	10	5	4	-5	-8	-13	-20	-26
		285 <RPM< 561	12.0	10	3	5	-4	-8	-12	-17	-24
		RPM > 562	11.8	10	5	0	-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



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. [ft ²]	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 ft ²]	-	48	52	53.16
Wheel weight [Lb]	-	62.35	77.6	78.7

Δp_{stat}
[In.W.G.]

Fan curves plotted for air density: 0.075 lb/cu.ft
Free inlet-Ducted outlet
 L_{wA} : A-weighted Sound Power Level inside the fan outlet duct and at fan inlet.





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
20000	353	6.4	389	7.2	423	8.1	455	9	515	11	571	13	625	14	678	16	730	18	781	20
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
21000	367	7.3	402	8.1	435	9.1	466	10	524	12	578	14	630	16	681	18	731	20	780	22
22000	381	8.3	415	9.2	447	10	477	11	533	13	586	15	636	17	686	19	734	21	781	23
23000	395	9.4	428	10	459	11	488	12	543	14	594	16	643	19	691	21	737	23	783	25
24000	409	11	441	12	471	13	499	14	553	16	602	18	650	20	696	22	742	25	786	27
24500	417	11	447	12	477	13	505	14	558	17	607	19	654	21	700	23	744	25	788	28
25000	424	12	454	13	483	14	511	15	563	17	612	20	658	22	703	24	747	26	790	29
26000	438	13	467	14	496	15	523	17	574	19	621	21	666	24	710	26	753	28	795	31
27000	453	15	481	16	508	17	535	18	585	21	631	23	675	25	718	28	759	30	800	33
28000	468	17	495	18	521	19	547	20	596	22	641	25	684	27	726	30	766	32	806	35
28500	475	17	502	18	528	20	553	21	601	23	646	26	689	28	730	31	770	34	809	36
29000	483	18	509	19	534	20	559	22	607	24	651	27	694	30	734	32	774	35	813	37
30000	498	20	523	21	548	22	572	24	619	26	662	29	704	32	743	34	782	37	820	40
30500	505	21	530	22	554	23	578	25	624	27	667	30	709	33	748	36	786	38	823	41
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																

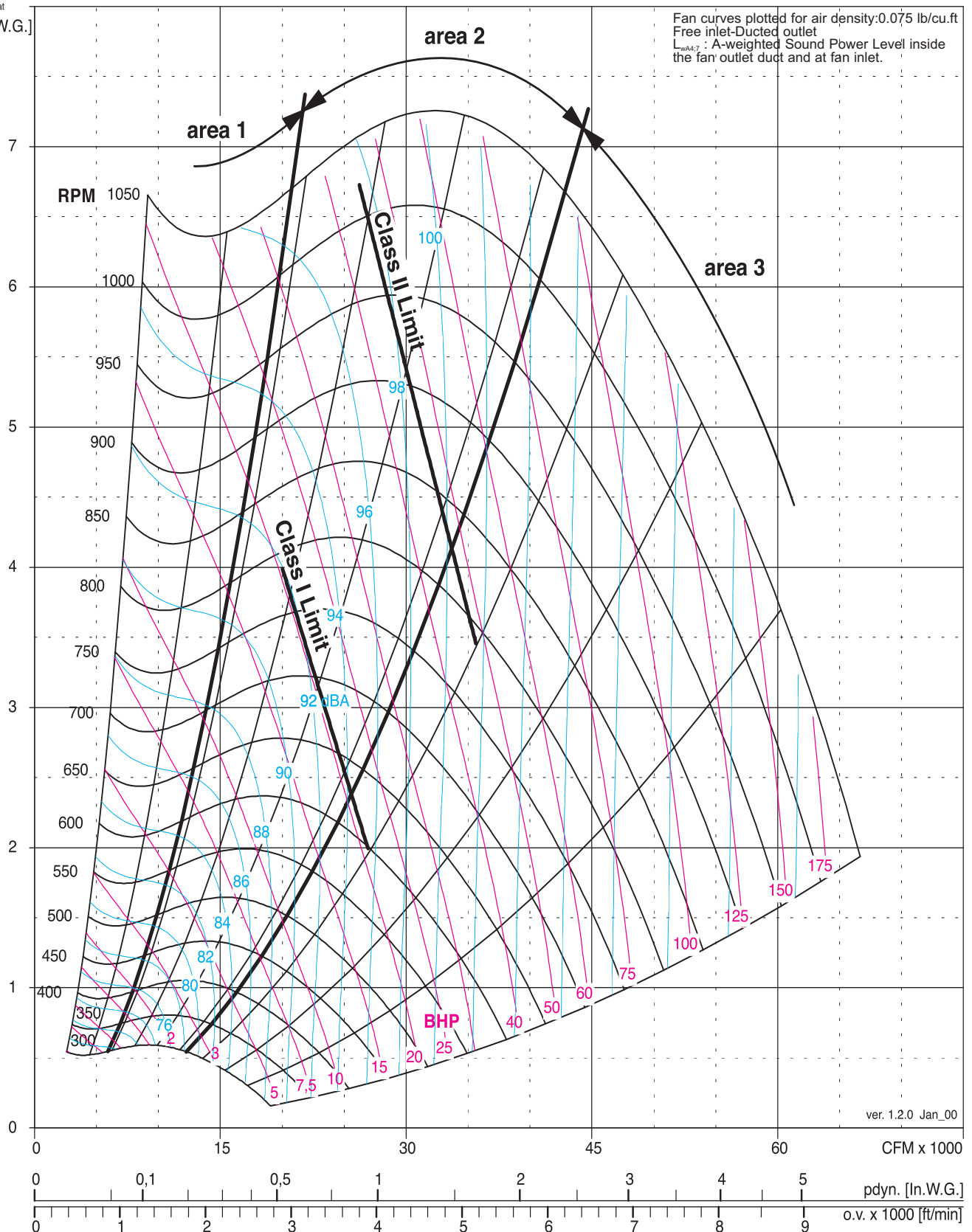
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{Wd4} 63	ΔL_{Wd4} 125	ΔL_{Wd4} 250	ΔL_{Wd4} 500	ΔL_{Wd4} 1000	ΔL_{Wd4} 2000	ΔL_{Wd4} 4000	ΔL_{Wd4} 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



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

Δp_{stat}
[In.W.G.]





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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														

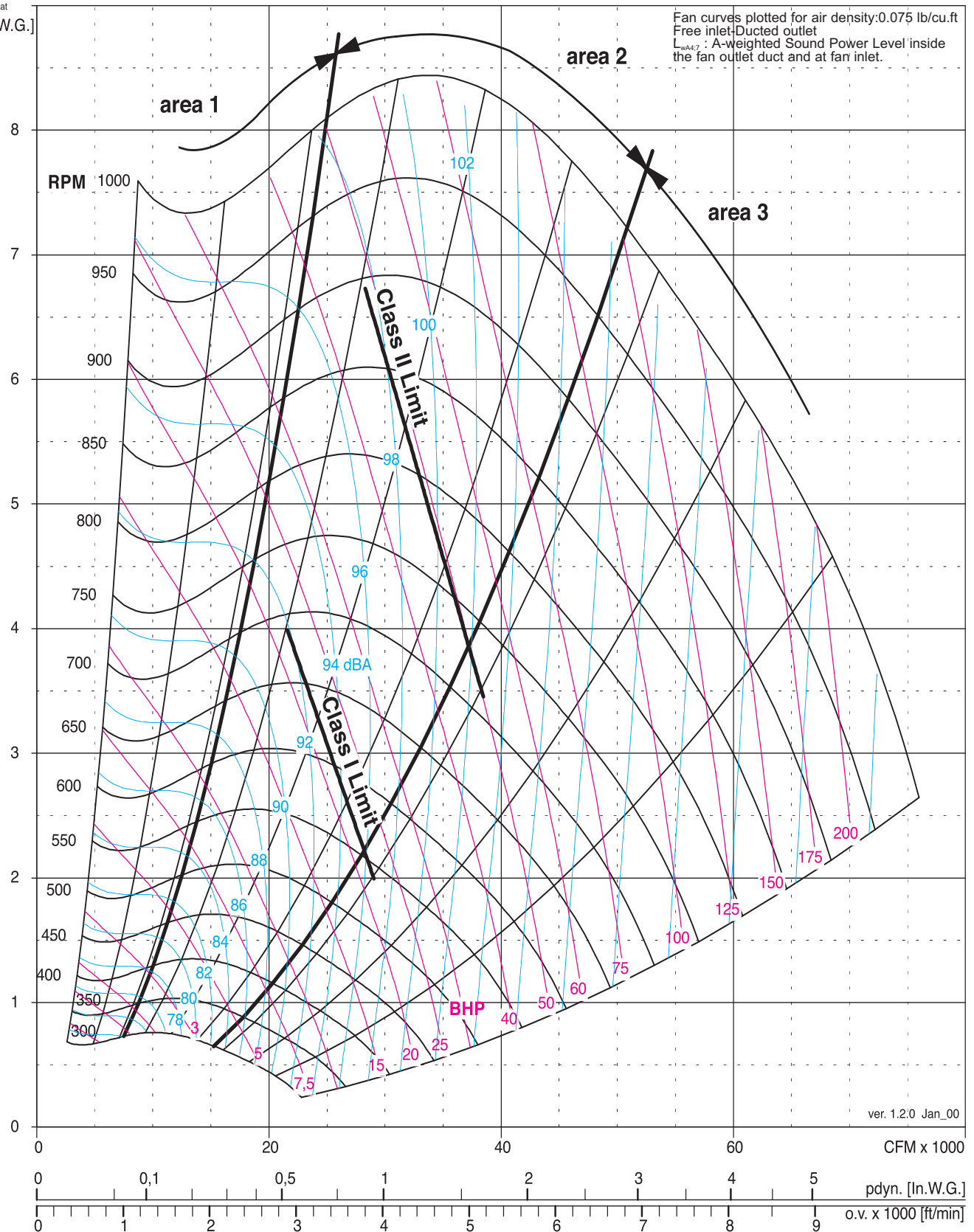
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{wA}	ΔL_{wB} 63	ΔL_{wC} 125	ΔL_{wD} 250	ΔL_{wE} 500	ΔL_{wF} 1000	ΔL_{wG} 2000	ΔL_{wH} 4000	ΔL_{wI} 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



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

Δp_{stat}
[In.W.G.]





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 28-22 R / T1 / T2

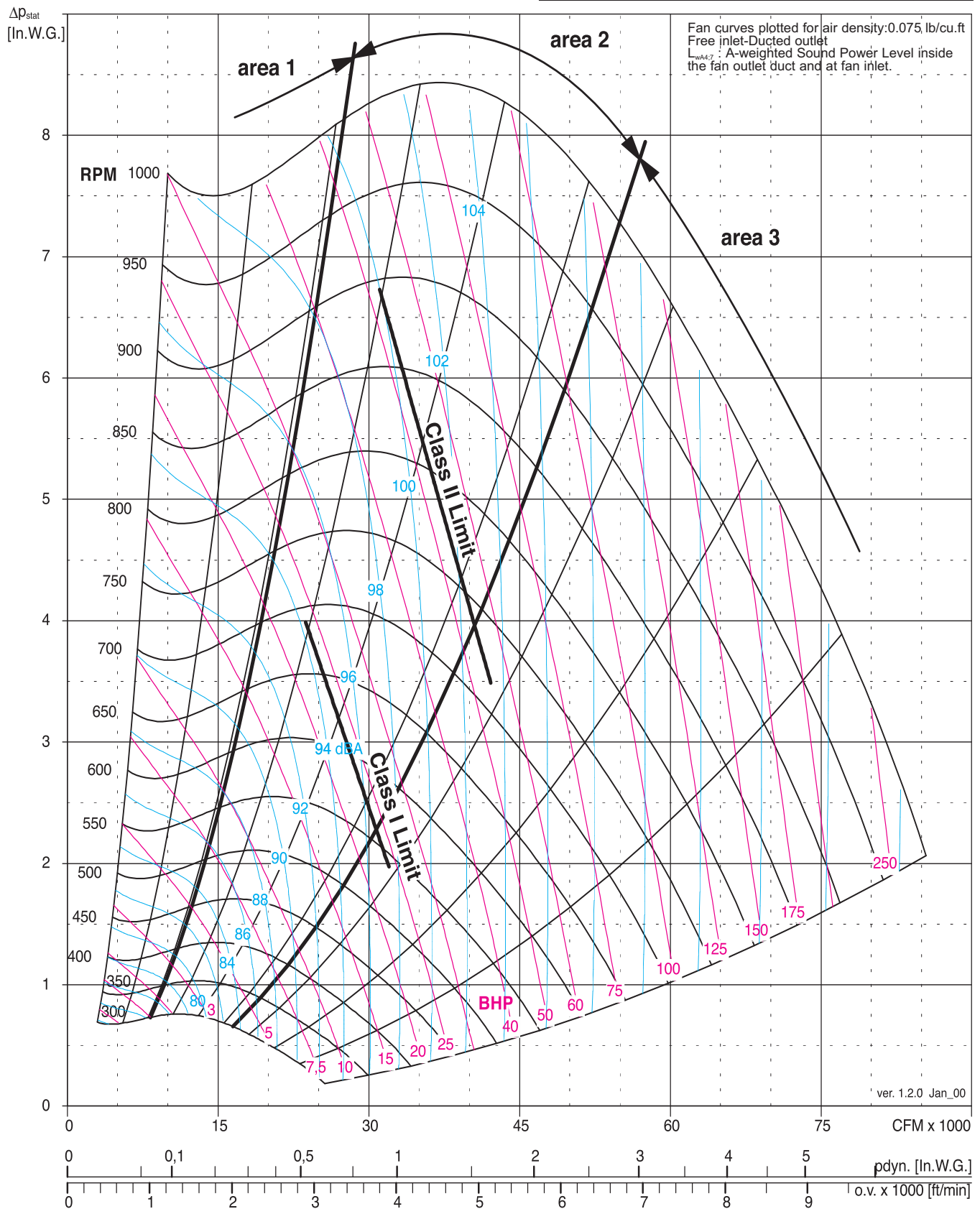
Δp _{stat} [In.W.G]																														
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6		6.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000			260	0.58	320	0.98	368	1.42	446	2.44																				
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_{W4}	$\Delta L_{W0.4}$ 63	$\Delta L_{W0.4}$ 125	$\Delta L_{W0.4}$ 250	$\Delta L_{W0.4}$ 500	$\Delta L_{W0.4}$ 1000	$\Delta L_{W0.4}$ 2000	$\Delta L_{W0.4}$ 4000	$\Delta L_{W0.4}$ 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

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	23.5	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_{wM}	ΔL_{wM} 63	ΔL_{wM} 125	ΔL_{wM} 250	ΔL_{wM} 500	ΔL_{wM} 1000	ΔL_{wM} 2000	ΔL_{wM} 4000	ΔL_{wM} 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 28-28 R / T1 / T2

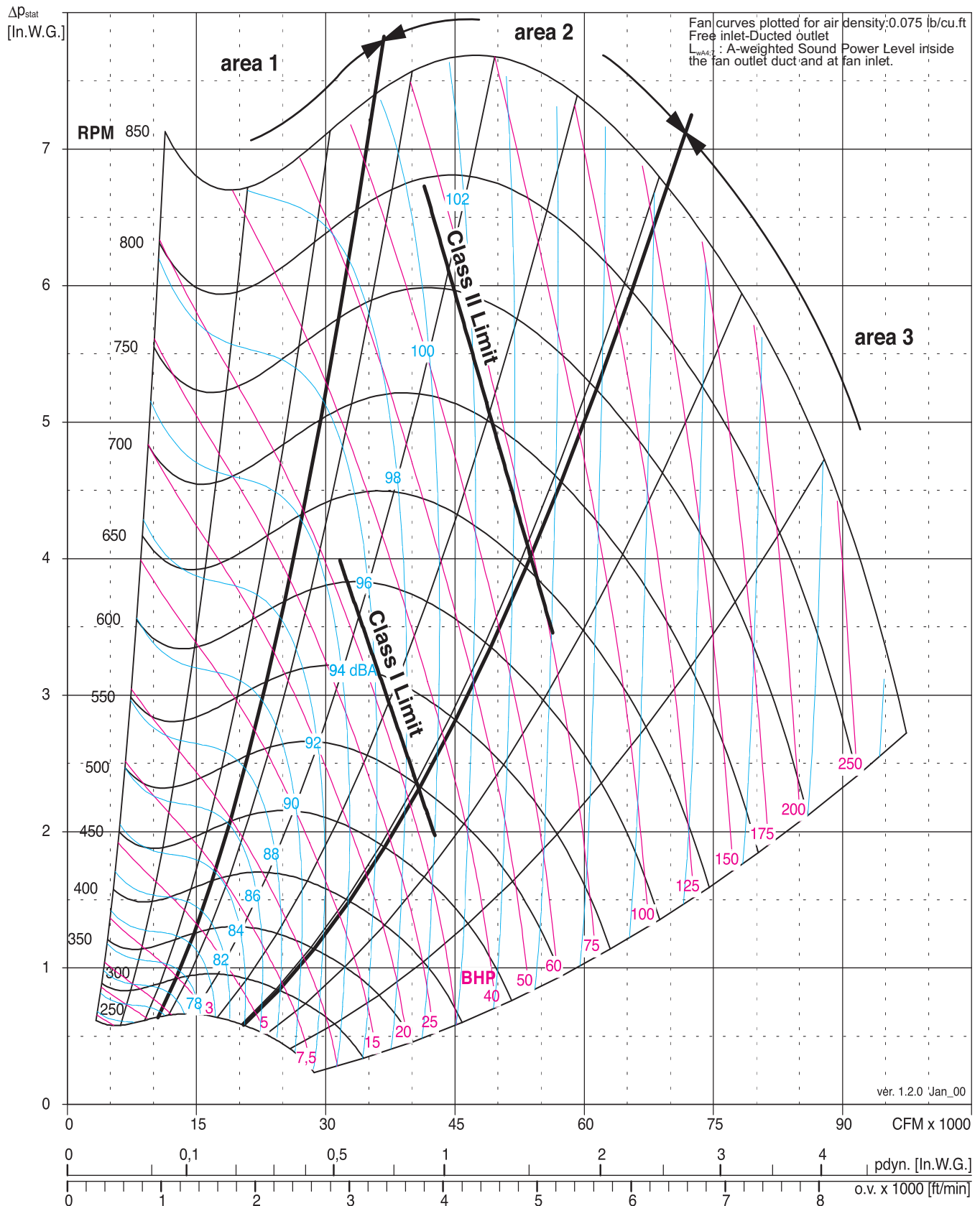
Δp_{stat} [In.W.G]																				
V	0.25	0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6						
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000			261	0.66	319	1.08	366	1.53	443	2.56										
7000			255	0.87	317	1.34	369	1.87	451	3.02	518	4.31	575	5.71						
9000			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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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_{wM}	ΔL_{wM} 63	ΔL_{wM} 125	ΔL_{wM} 250	ΔL_{wM} 500	ΔL_{wM} 1000	ΔL_{wM} 2000	ΔL_{wM} 4000	ΔL_{wM} 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



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

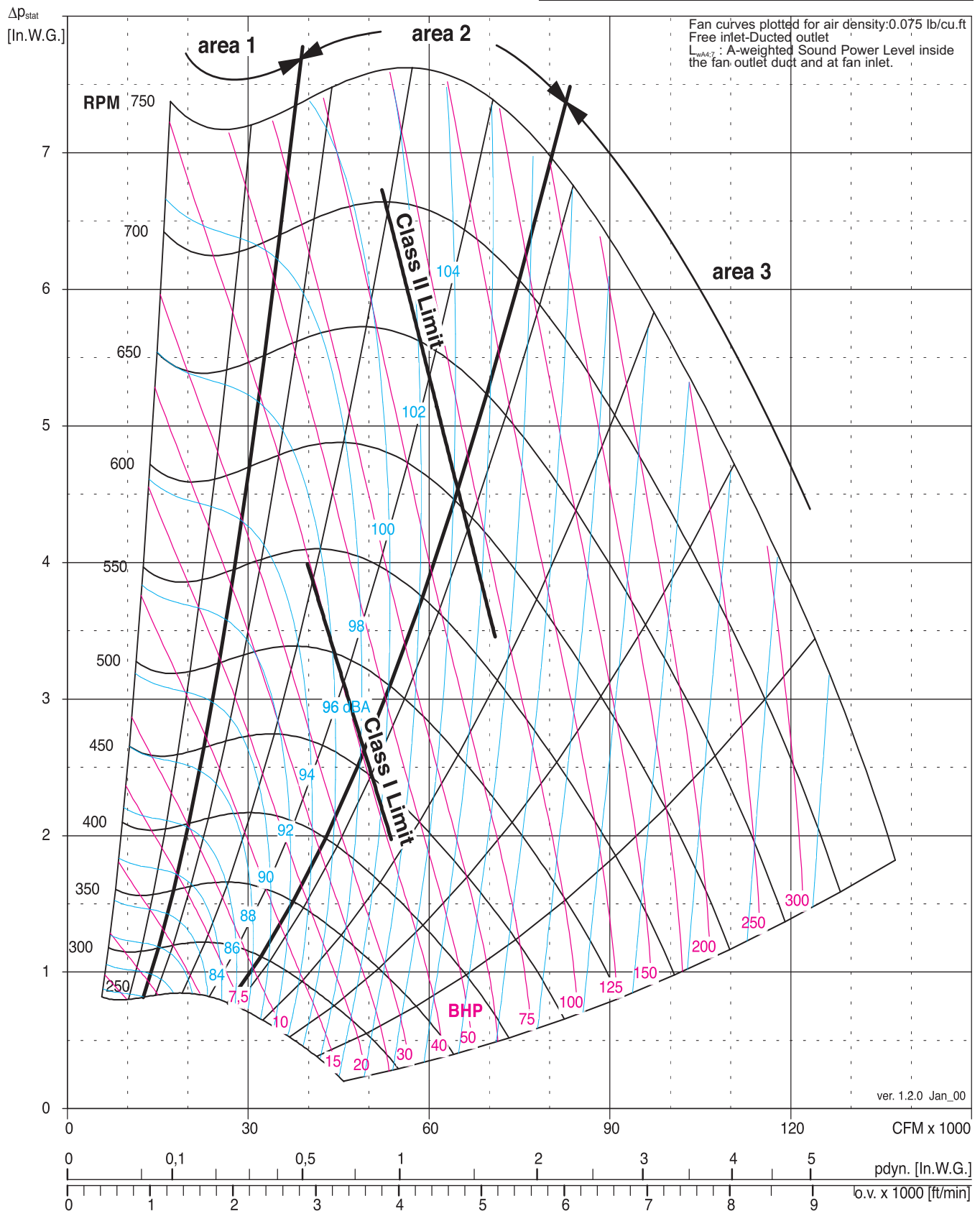
Δp _{stat} [In.W.G]																												
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5		6	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000			232	0.8	282	1.35	323	1.98																				
7000			229	0.95	284	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_{wM}	ΔL_{wocM} 63	ΔL_{wocM} 125	ΔL_{wocM} 250	ΔL_{wocM} 500	ΔL_{wocM} 1000	ΔL_{wocM} 2000	ΔL_{wocM} 4000	ΔL_{wocM} 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



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

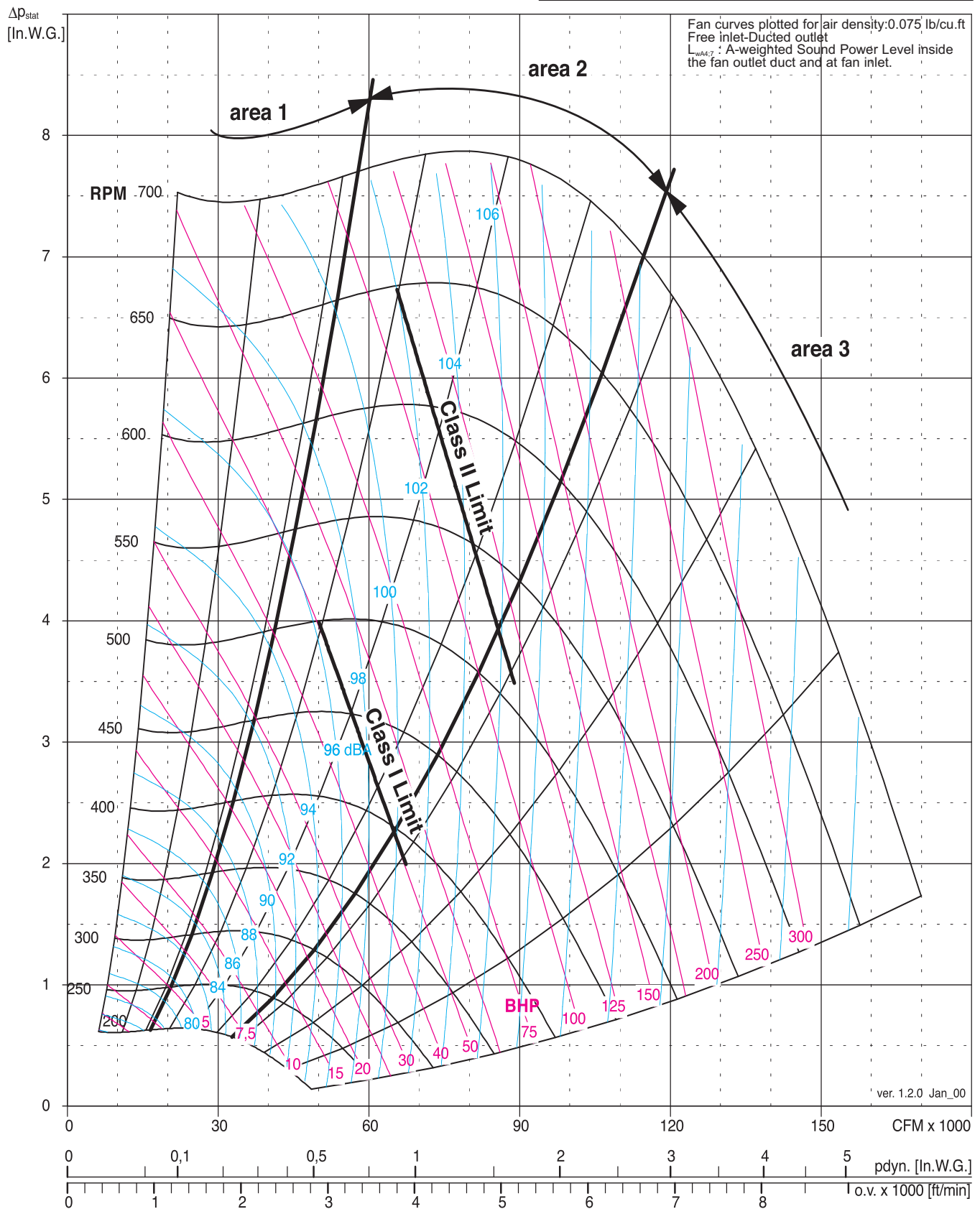
Δp _{stat} [In.W.G]																										
V	0.25		0.5		0.75		1		1.5		2		2.5		3		3.5		4		4.5		5		5.5	
[CFM]	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000			198	0.84	240	1.39	275	2.02																		
8000			198	1	242	1.62	279	2.3	339	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_{WA}	ΔL_{WcM} 63	ΔL_{WcM} 125	ΔL_{WcM} 250	ΔL_{WcM} 500	ΔL_{WcM} 1000	ΔL_{WcM} 2000	ΔL_{WcM} 4000	ΔL_{WcM} 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



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





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DOUBLE INLET FORWARD CURVED FANS - ATLI

ATLI 40-40 T1 / T2

Δp _{stat} [In.W.G]																										
V [CFM]	0,25		0,5		0,75		1		1,5		2		2,5		3		3,5		4		4,5		5		5,5	
	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																				

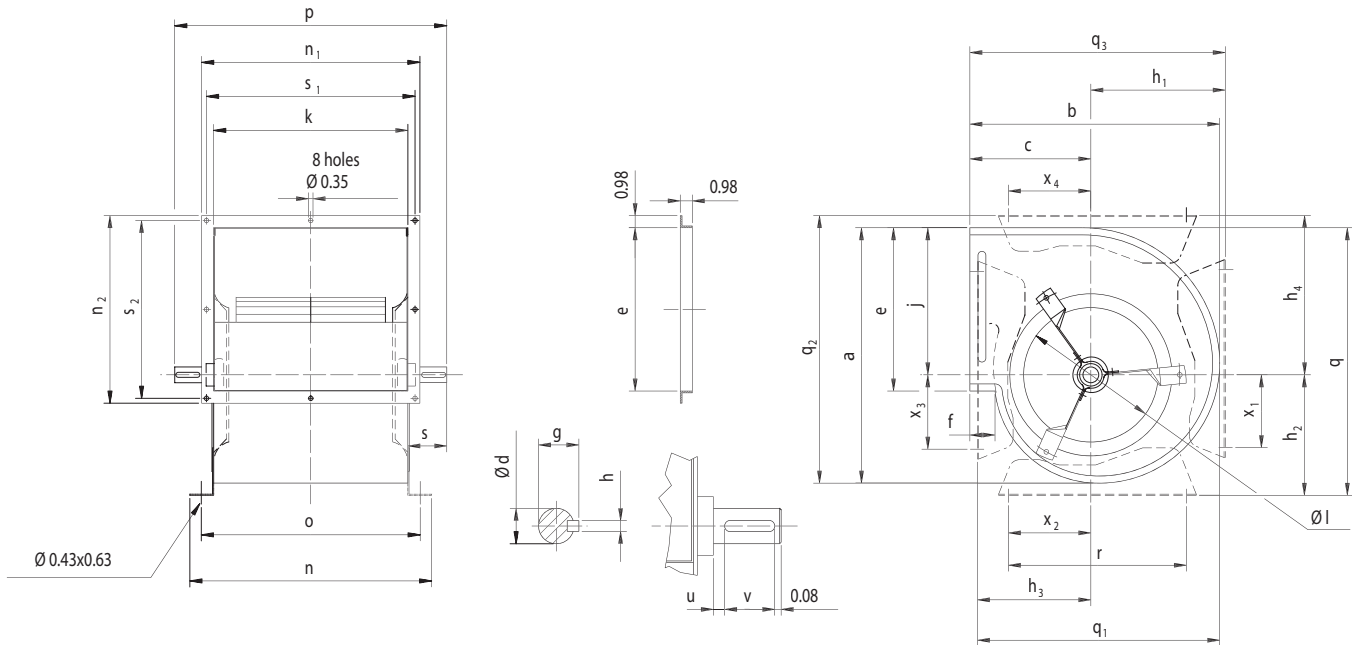
SOUND DATA TABLE

Fan Model and Size	Fan Performance Area	Range of fan speed	ΔL_{Wd}	ΔL_{WdM} 63	ΔL_{WdM} 125	ΔL_{WdM} 250	ΔL_{WdM} 500	ΔL_{WdM} 1000	ΔL_{WdM} 2000	ΔL_{WdM} 4000	ΔL_{WdM} 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



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


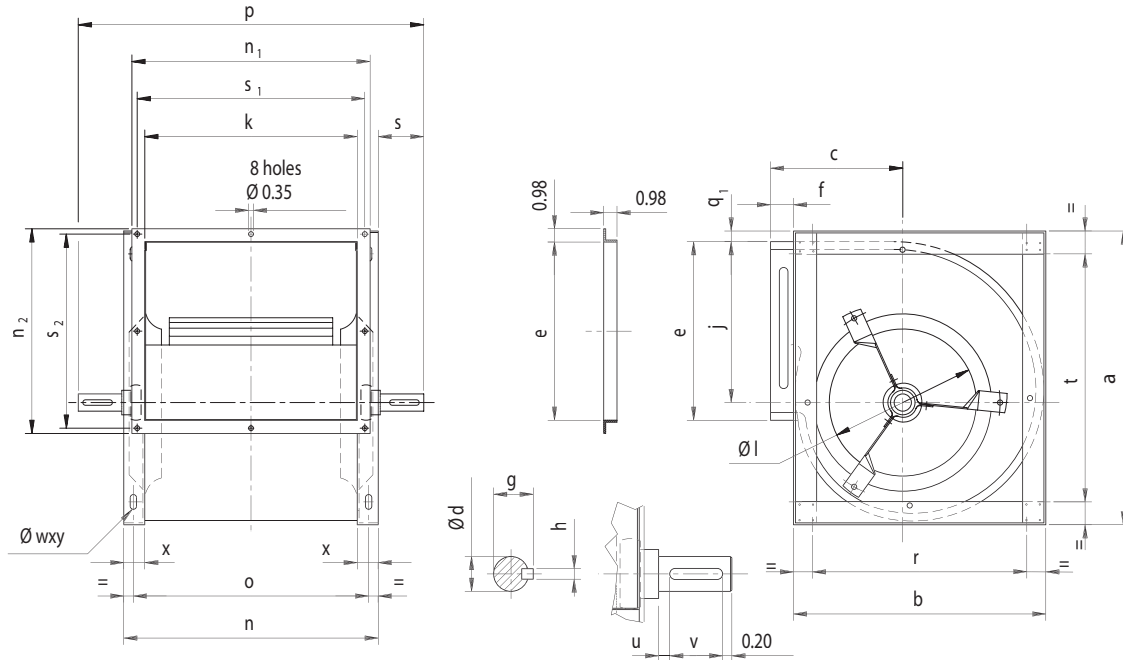
	a	b	c	Ø d	e	f	g	h	h ₁	h ₂	h ₃	h ₄	j	k	Ø l	n	n ₁
ATLI 7-7 B	12.78	12.46	6.02	3/4" RI	8.19	1.26	0.83	3/16"	6.65	5.71	5.79	7.99	7.35	9.13	6.69	11.10	11.10
ATLI 9-4 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	0.83	3/16"	7.83	6.97	7.05	9.96	8.46	6.81	7.80	8.78	8.78
ATLI 9-6 B	15.22	15.03	7.36	3/4" RI	10.30	1.57	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 Rubber Interliner



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



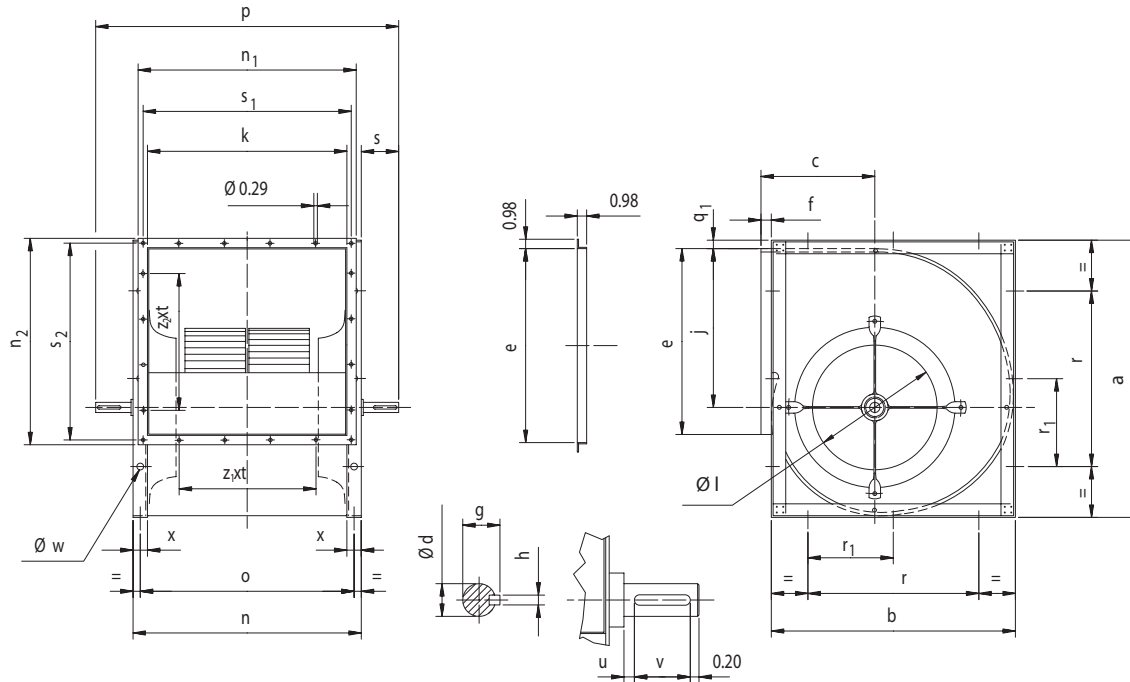
	a	b	c	Ø d	e	f	g	h	j	k	Ø l	n	n ₁
ATLI 7-7 R	13.27	11.22	6.02	3/4" RI	8.19	1.42	0.83	3/16"	7.35	9.13	6.69	11.10	11.10
ATLI 9-4 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	6.81	7.80	9.81	8.78
ATLI 9-6 R	16.69	14.17	7.36	3/4" RI	10.30	0.98	0.83	3/16"	8.46	8.27	7.80	11.27	10.24
ATLI 9-7 R	16.69	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 Rubber Interliner



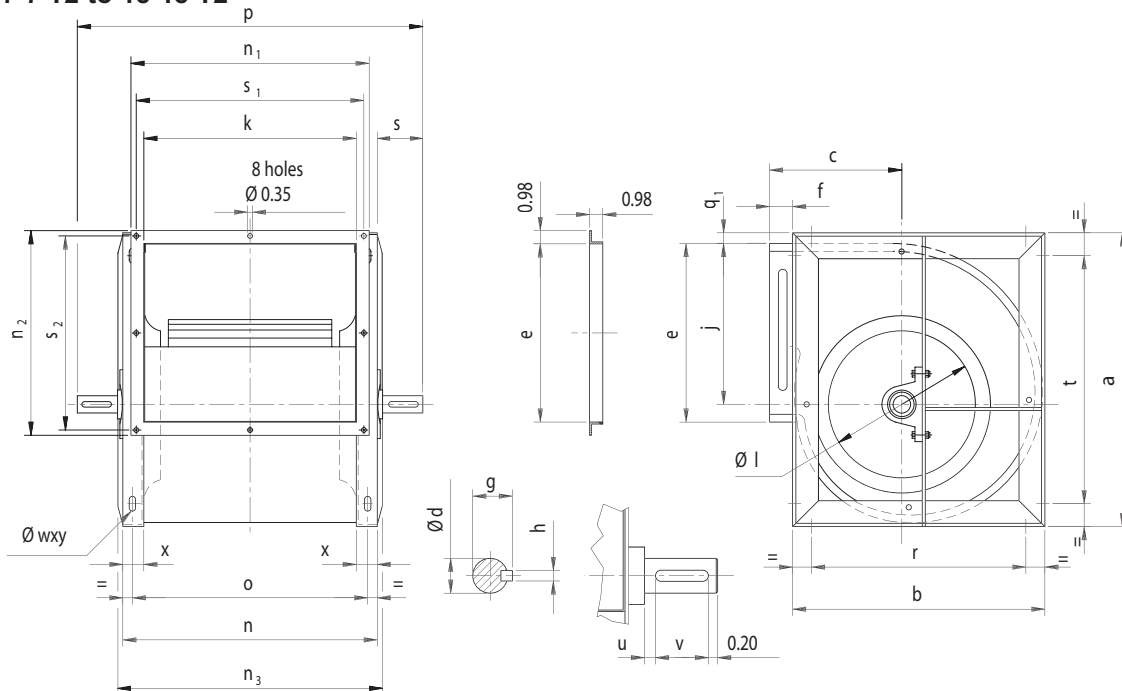
8.3. ATLI 20-15 R to 28-28 R



	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 Rubber Interliner

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


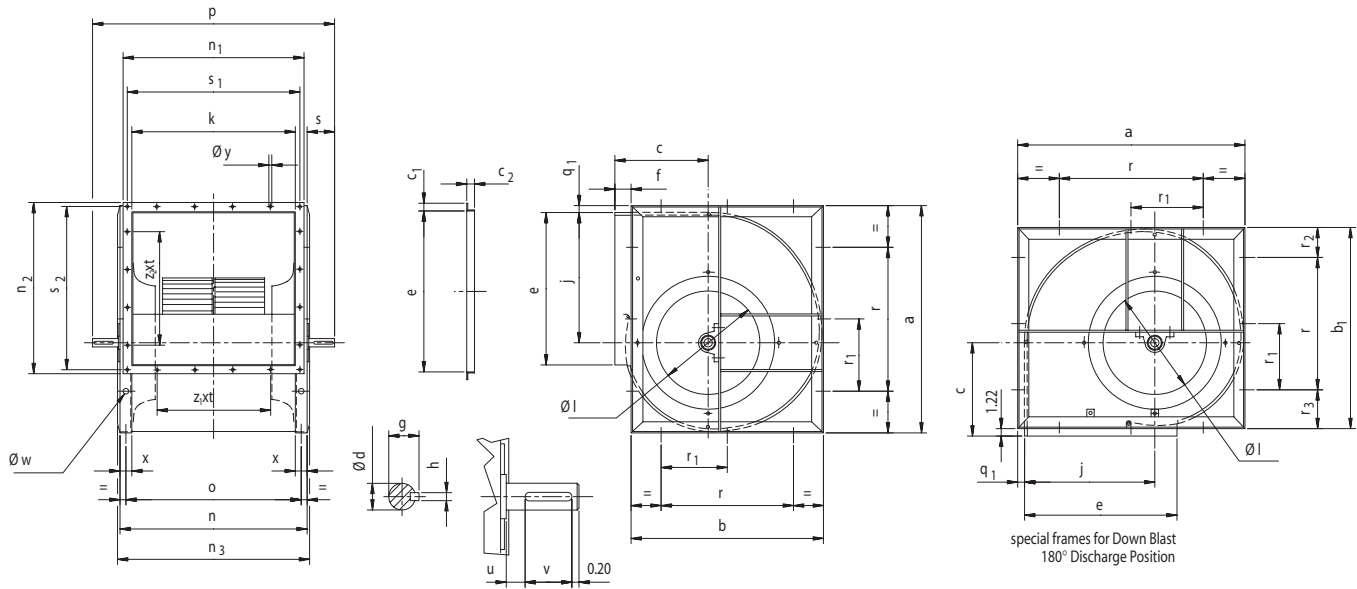
	a	b	c	$\varnothing d$	e	f	g	h	j	k	$\varnothing l$	n	n_1	n_2
ATLI 7-7 T2	13.27	11.22	6.02	3/4" PB	8.19	1.42	0.83	3/16"	7.35	9.13	6.69	11.10	11.10	9.92
ATLI 9-4 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	6.81	7.80	9.81	8.78	12.01
ATLI 9-6 T2	16.69	14.17	7.36	3/4" PB	10.30	0.98	0.83	3/16"	8.46	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	$\varnothing wxy$	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 Pillow Block cast iron housing



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

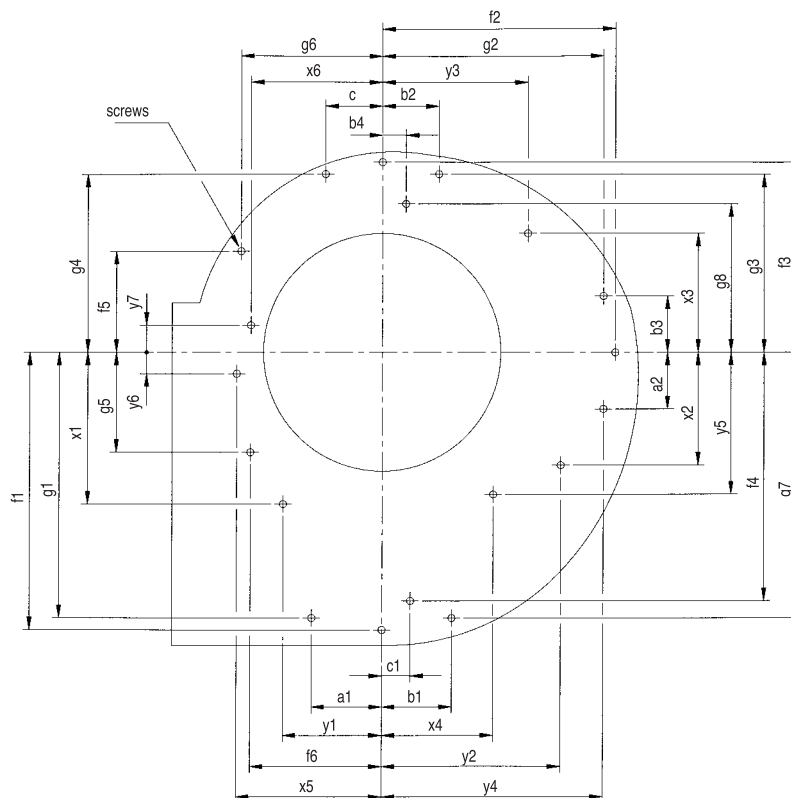


special frames for Down Blast
180° Discharge Position

	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	29.37	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" SPB	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 Pillow Block cast iron housing
SPB = bearings with double row, roller type mounted in a Split Pillow Block 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

	Page
9. 1. Spark resistant construction	EX 86
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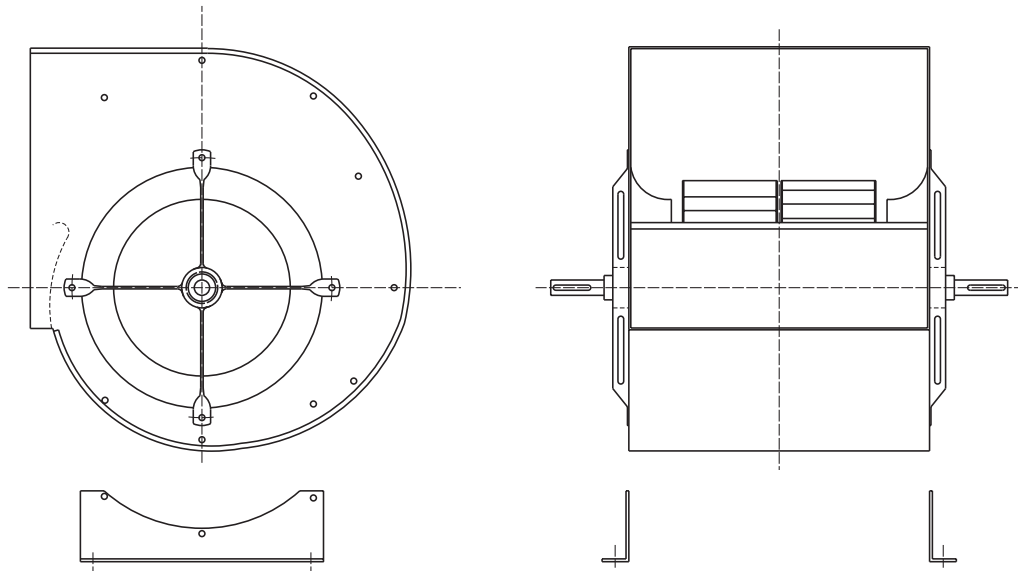
9.1. Spark resistant construction ..EX

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

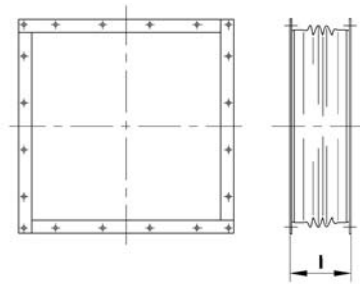
On the basic ATLI fans, 7-7 B up to 18-18 B mounting feet can be installed.
This accessory is available up to and including size 18.

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.

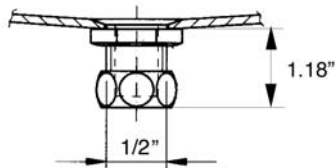


9.4. Flexible outlet connection ..AEL

The flexible connection for the outlet is manufactured from a polyester / PVC fabric with two matching flanges, made in galvanized sheet steel.

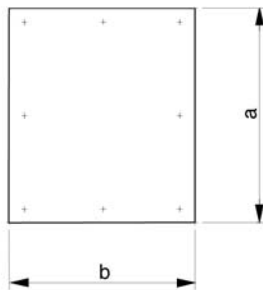
The "l" dimension, for all fan sizes, is equal to 6.10".

Special flexible connections can be manufactured on request.



9.5. Drain plug ..K

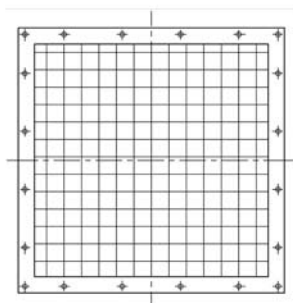
Usually fitted at the lowest part of the fan to facilitate draining of condensation.



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.

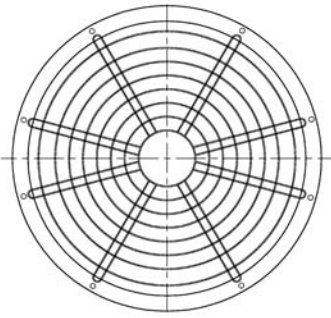
	a	b
ATLI 7 to 10	6.69	7.48
ATLI 12 to 22	8.66	9.45
ATLI 25 to 40	10.63	11.42



9.7. Outlet guard ..AS

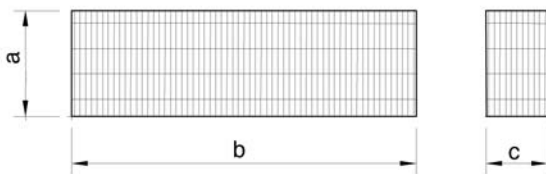
Industrial safety regulations specify that reliable guards must be provided for rotating machinery.

Inlet and outlet protections are available, in full accordance to EN 294 and OSHA requirements.



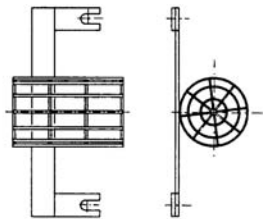
9.8. Inlet guard ..ZS

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.



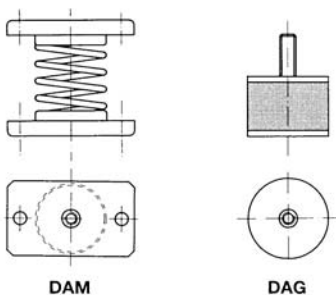
9.9. Belt guard ..RIS

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

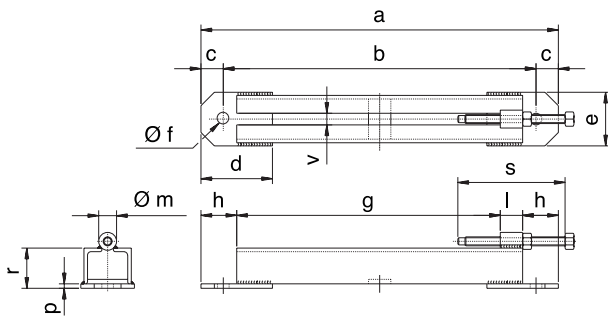
A wire meshed shaft guard is available, for B, R and T1/T2 versions.



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.

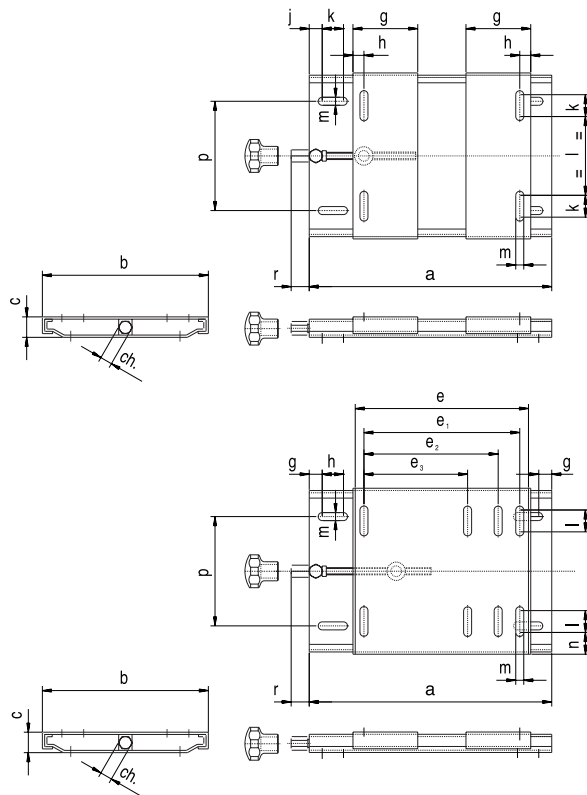
They are selected taking into consideration the total weight of the fan, belt drive, motor and all the other accessories. On request, and to suit special applications, spring type mountings can be ordered and supplied.

**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**

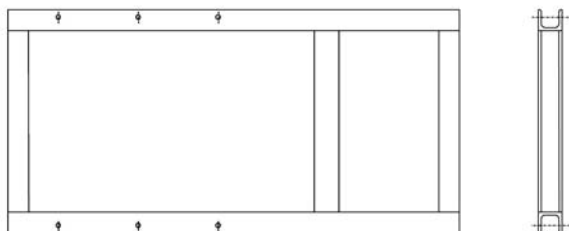
Two size of base plates are available, for motor sizes from 56 to 215.

	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:

$$\dot{V} = \dot{V}_{TF} / 1.9$$

$$\Delta p_{stat} = \Delta p_{stat\ TF}$$

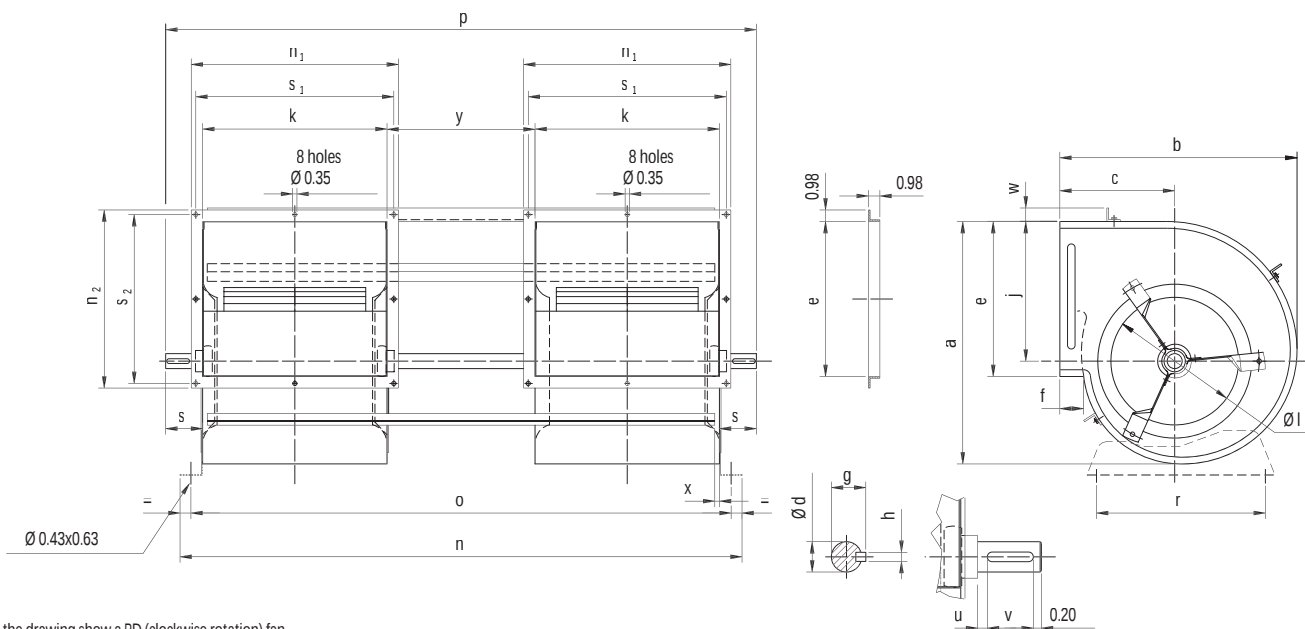
From the performance chart:	Single Fan ATLI Absorbed Power	P_w
	Fan ATLI Speed	n
	Sound Power Level	$L_{wA4/7}$
	Twin ATLI-B Absorbed Power	$P_{w\ TF} = 2.1 \cdot P_w$
	Twin Fan Speed	$n_{TF} = n$
	Twin Inlet Sound Power Level	$L_{wA7\ TF} = L_{wA4/7} + 4$
	Twin Induct Sound Power Level	$L_{wA4\ TF}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

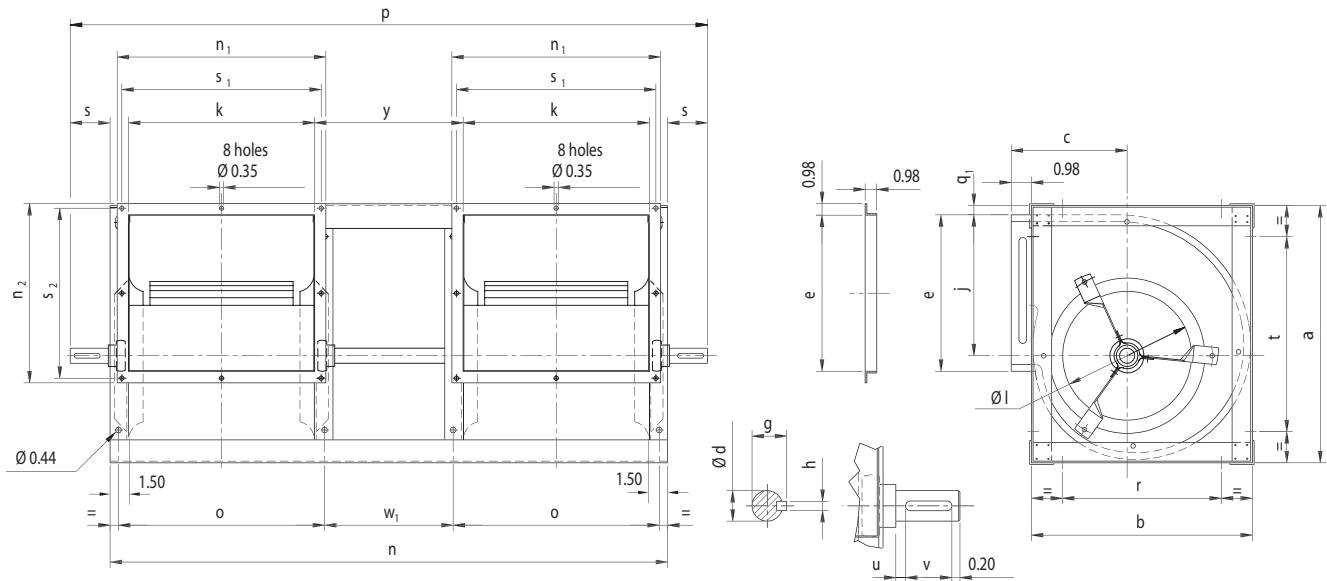
13.1. ATLI 9-4 BL to 18-18 BL


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 Rubber Interliner

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


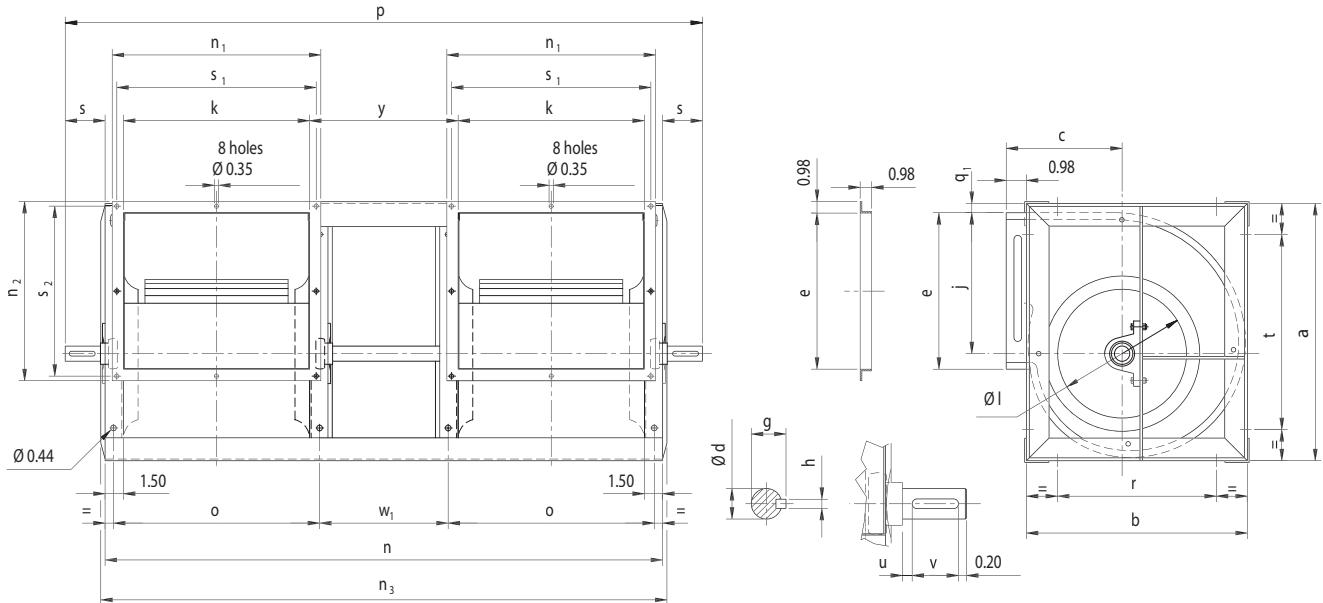
note: the drawing show a RD (clockwise rotation) fan

	a	b	c	$\varnothing d$	e	g	h	j	k	$\varnothing l$	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 Rubber Interliner

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

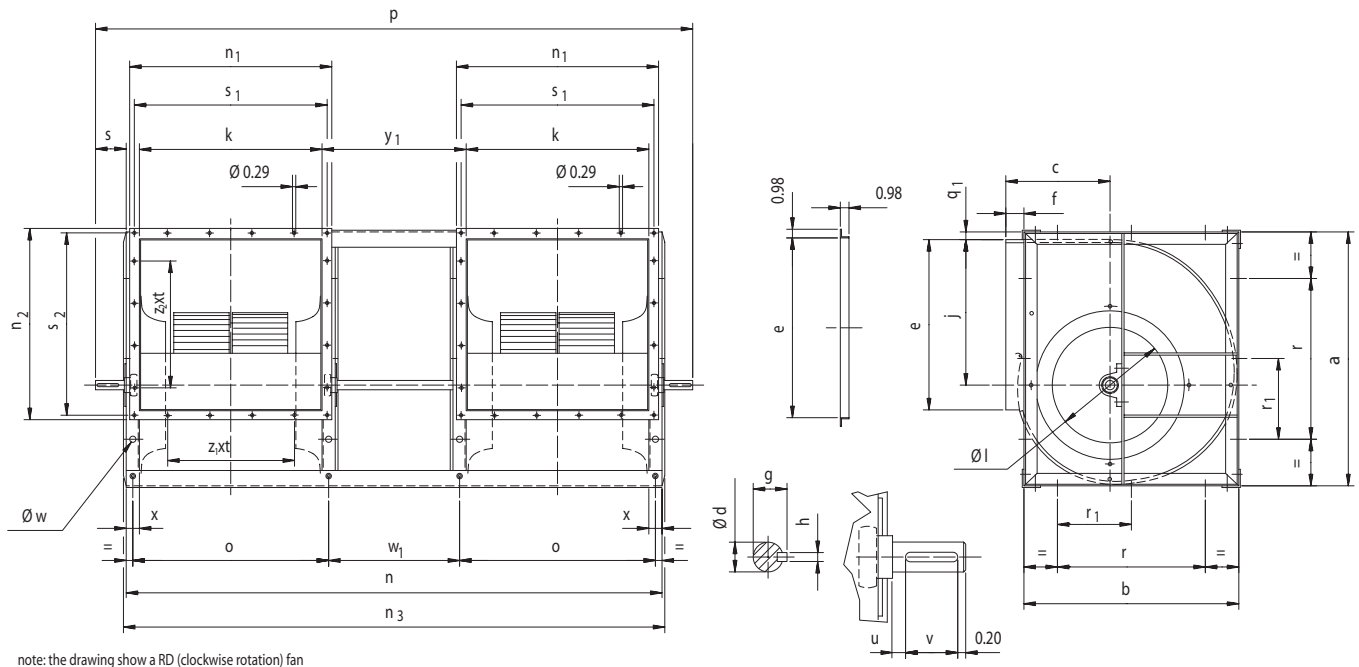


note: the drawing show a RD (clockwise rotation) fan

	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

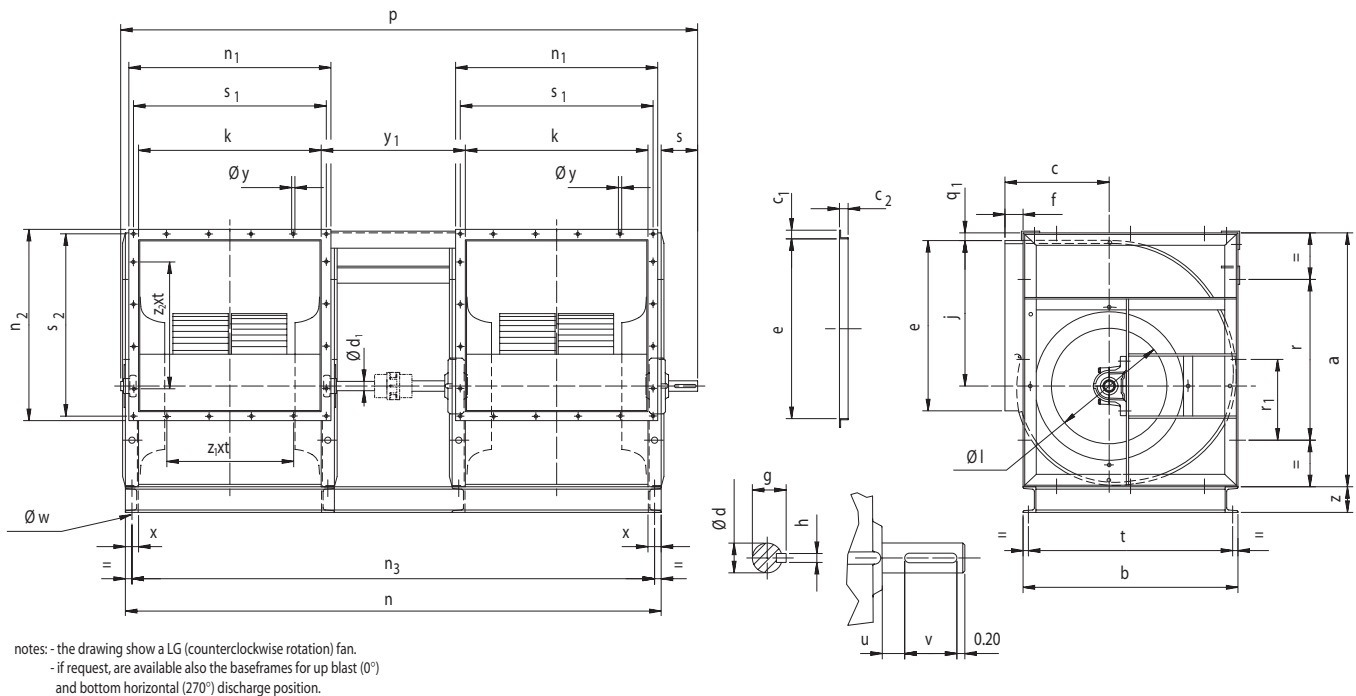
PB = self-aligning bearings, single row, deep groove ball type with eccentric locking ring mounted in a **Pillow Block** cast iron housing

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


	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 Pillow Block cast iron housing

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


	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 **Pillow Block** cast iron housing
SPB = bearings with double row, roller type mounted in a **Split Pillow Block** cast iron housing

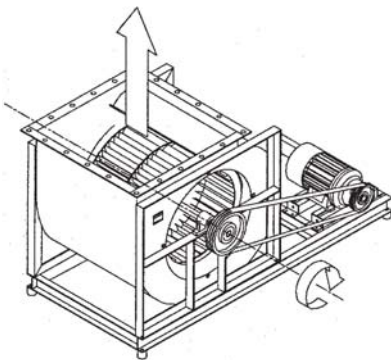
14. Rotation, discharge and accessory positions

14.1. Rotation and discharge position

The fan direction of rotation, when seen from drive side is:

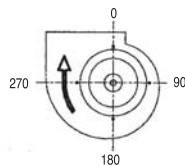
- a) clockwise, if indicated with the symbol RD, or
- b) counter-clockwise if indicated with the symbol LG

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)

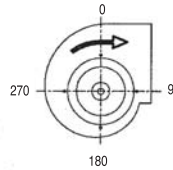


RD - CLOCKWISE

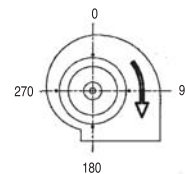
RD 0
UP BLAST



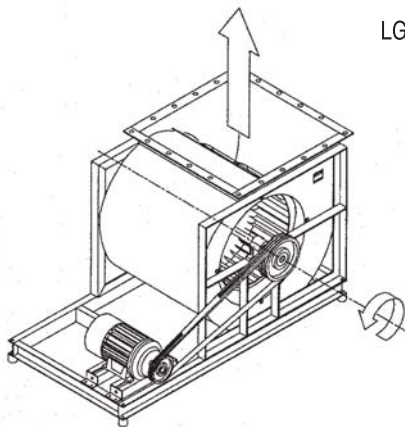
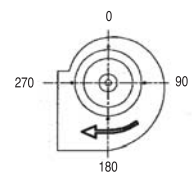
RD 90
TOP HORIZONTAL



RD 180
DOWN BLAST

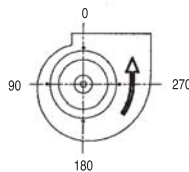


RD 270
BOTTOM HORIZONTAL

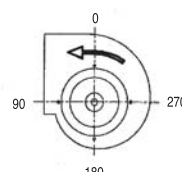


LG - COUNTER CLOCKWISE

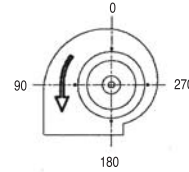
LG 0
UP BLAST



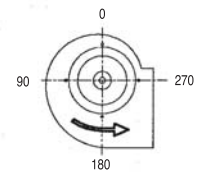
LG 90
TOP HORIZONTAL



LG 180
DOWN BLAST

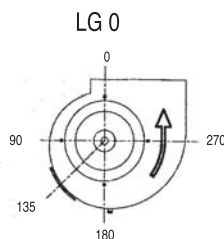


LG 270
BOTTOM HORIZONTAL



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**

<u>ATLI</u>	<u>40 - 40</u>	<u>T2</u>	<u>A</u>	<u>RD90</u>	<u>GR, I225,K180,RIS,ZS</u>	
						Fan type
						Fan size
						with T2 frame
						with A outlet flange
						Discharge position RD90
						Base frame, Inspection door 225, Drain plug 180, Belt guard, Inlet guard

Twin forward curved fan - ATLI-B

<u>ATLI</u>	<u>40 - 40</u>	<u>BT2/T1</u>	<u>A</u>	<u>RD90</u>	<u>I225,K180,RIS,ZS</u>	
						Fan type
						Fan size
						Twin with T frames, common base frame and flexible coupling
						with A outlet flange
						Discharge position RD90
						Inspection door 225, Drain plug 180, Belt guard, Inlet guard

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