



HI AIR KOREA Co.,Ltd.

TLA

DOUBLE INLET

CENTRIFUGAL FAN

with AIRFOIL WHEELS



TLA Series

DOUBLE INLET CENTRIFUGAL FAN with AIRFOIL WHEELS



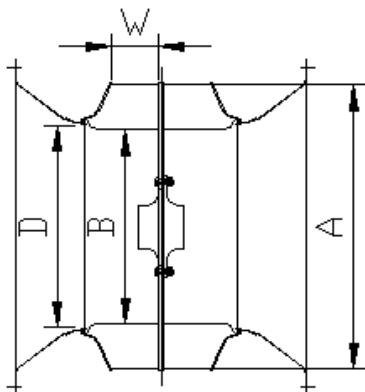
HI AIR KOREA Co.,Ltd. Certifies that the **TLA Series** shown herein is (or are) licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 (and AMCA Publication 311 if sound is also certified) and comply with the requirements of the AMCA Certified Ratings Program.

DOUBLE INLET AIRFOIL CENTRIFUGAL FAN (TLA) DIMENSION TABLE

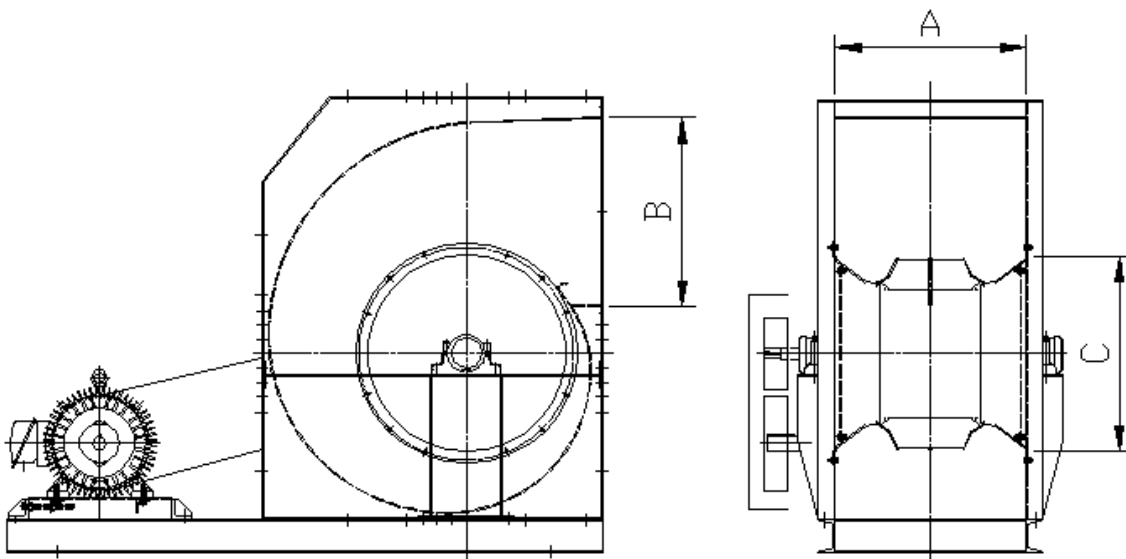
1. AIRFOIL DOUBLE INLET CENTRIFUGAL FAN (TLA-□□□□DS)

No	Model Name	D ₂ (Im. dia)	Fan Impeller Dimensions(mm)				Fan Housing Dimensions(mm)		
			A	B	W	D	A	B	C
1	TLA-315DS	315	315	216	53	222	320	320	335
2	TLA-355DS	355	355	243	60	250	360	360	380
3	TLA-400DS	400	400	274	67	281	410	410	425
4	TLA-450DS	450	450	308	76	317	460	460	480
5	TLA-500DS	500	500	342	84	352	510	510	530
6	TLA-560DS	560	560	383	93	398	560	560	570
7	TLA-630DS	630	630	431	105	446	630	630	640
8	TLA-710DS	710	710	486	118	503	710	710	720
9	TLA-800DS	800	800	548	133	566	800	800	810
10	TLA-900DS	850	850	605	211	588	900	900	900
11	TLA-1000DS	935	935	666	233	648	990	990	990
12	TLA-1120DS	1050	1050	748	261	728	1120	1120	1110
13	TLA-1250DS	1170	1170	833	291	810	1240	1240	1240

Fan Impeller Dimensions



Fan Housing Dimensions



Wheel DIA : 315mm

Outlet Dim : 0.32 x 0.32 m

Outlet Area : 0.1024 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	1400	66	31	46.4	0.166	30.5	14.5	77	1	1600	87	41	53.0	0.248	30.5	14.5	81
2		89	57	43.8	0.173	36.9	23.9	76	2		116	74	50.1	0.258	36.9	23.9	80
3		133	107	38.7	0.180	46.8	38.3	75	3		173	139	44.2	0.268	46.8	38.3	78
4		169	148	34.2	0.181	52.4	46.5	74	4		221	193	39.1	0.270	52.4	46.5	77
5		211	195	28.7	0.181	55.1	51.6	74	5		276	254	32.8	0.270	55.1	51.6	77
6		243	230	24.1	0.177	54.5	52.4	74	6		318	300	27.6	0.264	54.5	52.4	77
1	1800	110	51	59.7	0.352	30.5	14.5	86	1	2000	136	63	66.3	0.483	30.5	14.5	88
2		147	94	56.4	0.367	36.9	23.9	85	2		181	116	62.6	0.504	36.9	23.9	87
3		219	176	49.8	0.381	46.8	38.3	84	3		271	217	55.3	0.523	46.8	38.3	86
4		280	244	44.0	0.384	52.4	46.5	83	4		345	301	48.8	0.527	52.4	46.5	85
5		350	322	37.0	0.384	55.1	51.6	83	5		432	397	41.1	0.527	55.1	51.6	85
6		402	380	31.1	0.375	54.5	52.4	82	6		497	469	34.5	0.515	54.5	52.4	85
1	2300	179	84	76.2	0.735	30.5	14.5	91	1	2600	229	107	86.2	1.061	30.5	14.5	94
2		240	153	72.0	0.766	36.9	23.9	90	2		306	195	81.4	1.107	36.9	23.9	93
3		358	288	63.6	0.795	46.8	38.3	89	3		458	367	71.9	1.149	46.8	38.3	92
4		456	398	56.2	0.802	52.4	46.5	88	4		583	509	63.5	1.158	52.4	46.5	91
5		571	525	47.2	0.802	55.1	51.6	88	5		729	671	53.4	1.158	55.1	51.6	91
6		657	620	39.7	0.783	54.5	52.4	88	6		839	793	44.9	1.131	54.5	52.4	90
1	2900	285	133	96.1	1.473	30.5	14.5	96	1	3300	369	172	109.4	2.170	30.5	14.5	99
2		381	243	90.8	1.535	36.9	23.9	95	2		493	315	103.4	2.262	36.9	23.9	98
3		569	457	80.2	1.594	46.8	38.3	94	3		737	592	91.3	2.348	46.8	38.3	97
4		726	633	70.8	1.606	52.4	46.5	93	4		940	820	80.6	2.367	52.4	46.5	96
5		907	835	59.6	1.606	55.1	51.6	93	5		1175	1081	67.8	2.367	55.1	51.6	96
6		1044	986	50.1	1.569	54.5	52.4	93	6		1352	1277	57.0	2.311	54.5	52.4	96
1	3700	464	217	122.7	3.058	30.5	14.5	105	1	4100	570	266	135.9	4.160	30.5	14.5	107
2		620	396	115.9	3.188	36.9	23.9	103	2		761	486	128.4	4.338	36.9	23.9	105
3		927	744	102.3	3.310	46.8	38.3	103	3		1138	914	113.4	4.503	46.8	38.3	105
4		1181	1031	90.4	3.336	52.4	46.5	102	4		1450	1266	100.2	4.539	52.4	46.5	104
5		1477	1359	76.0	3.336	55.1	51.6	102	5		1813	1669	84.2	4.539	55.1	51.6	104
6		1700	1605	63.9	3.258	54.5	52.4	102	6		2087	1971	70.8	4.432	54.5	52.4	104
1	4500	687	321	149.2	5.500	30.5	14.5	108									
2		917	585	141.0	5.735	36.9	23.9	107									
3		1370	1101	124.5	5.954	46.8	38.3	107									
4		1747	1525	110.0	6.000	52.4	46.5	106									
5		2185	2010	92.5	6.000	55.1	51.6	106									
6		2514	2374	77.7	5.860	54.5	52.4	106									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 315

performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	315 mm
Number of Blades	z	10 ea
Max Fan RPM	n	4500 min-1

Max Shaft Power	L	6.0 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]

3,000

2,500

2,000

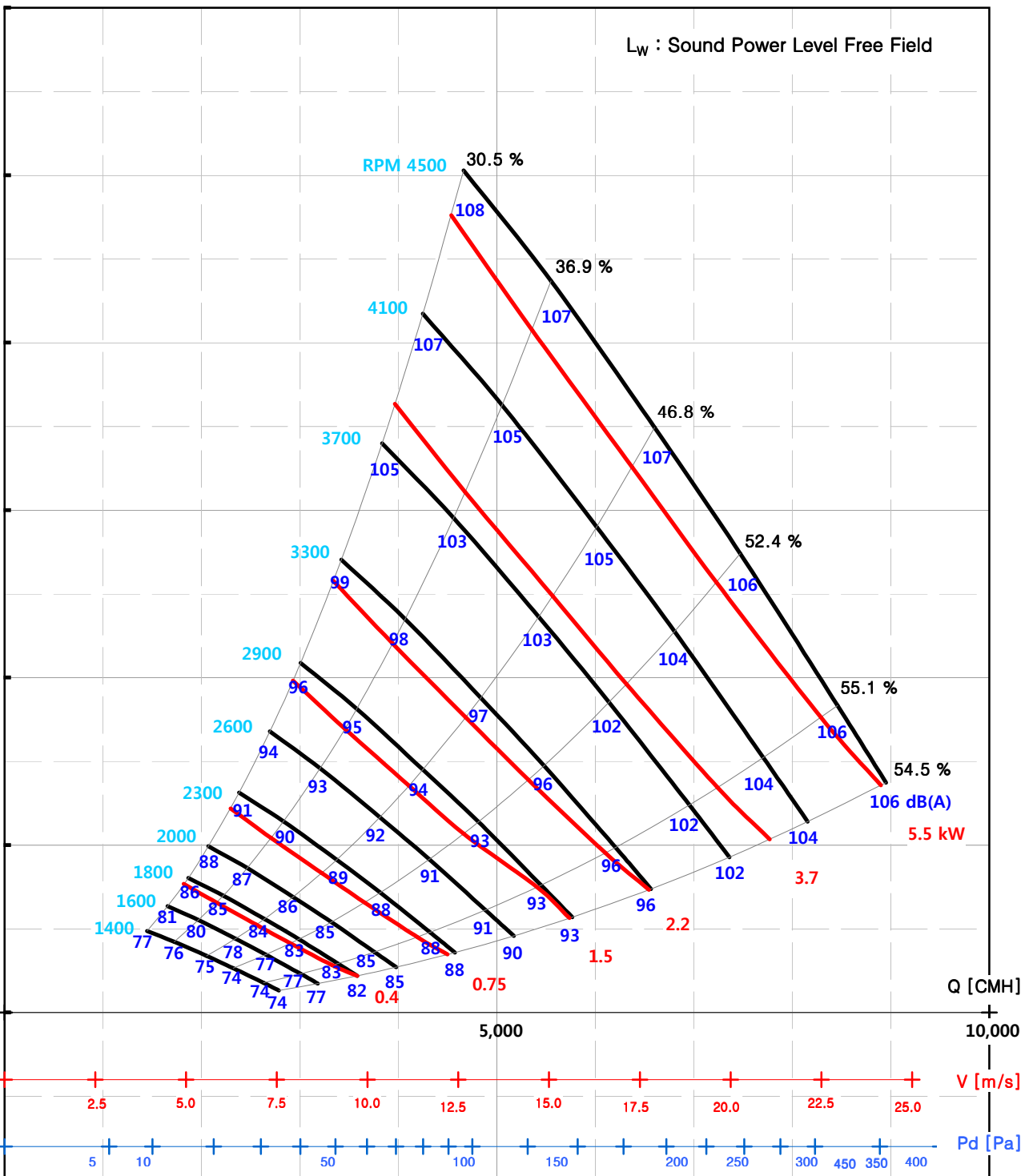
1,500

1,000

500

0

L_w : Sound Power Level Free Field



Q [CMH]

10,000

5,000

V [m/s]

Pd [Pa]

Wheel DIA : 355mm

Outlet Dim : 0.36 x 0.36 m

Outlet Area : 0.1296 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	
	[r/min]	[Pa]	[Pa]	[m3/min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m3/min]	[kW]	[%]	[%]	[dB]	
1	1200	62	29	56.9	0.190	30.5	14.5	77	1	1400	84	39	66.4	0.302	30.5	14.5	81	
2		83	53	53.8	0.198	36.9	23.9	76	2		113	72	62.7	0.314	36.9	23.9	80	
3		124	99	47.5	0.206	46.8	38.3	75	3		168	135	55.4	0.326	46.8	38.3	79	
4		158	138	41.9	0.207	52.4	46.5	74	4		215	187	48.9	0.329	52.4	46.5	78	
5		197	182	35.3	0.207	55.1	51.6	74	5		269	247	41.1	0.329	55.1	51.6	77	
6		227	214	29.6	0.202	54.5	52.4	73	6		309	292	34.6	0.321	54.5	52.4	77	
1	1600	110	51	75.9	0.450	30.5	14.5	84	1	1800	140	65	85.4	0.640	30.5	14.5	89	
2		147	94	71.7	0.469	36.9	23.9	83	2		186	119	80.7	0.668	36.9	23.9	88	
3		220	177	63.3	0.487	46.8	38.3	82	3		278	224	71.2	0.693	46.8	38.3	88	
4		281	245	55.9	0.491	52.4	46.5	81	4		355	310	62.9	0.699	52.4	46.5	87	
5		351	323	47.0	0.491	55.1	51.6	81	5		444	409	52.9	0.699	55.1	51.6	86	
6		404	381	39.5	0.479	54.5	52.4	80	6		511	483	44.5	0.682	54.5	52.4	86	
1	2100	190	89	99.6	1.017	30.5	14.5	93	1	2400	248	116	113.9	1.517	30.5	14.5	96	
2		254	162	94.1	1.060	36.9	23.9	92	2		331	211	107.6	1.582	36.9	23.9	95	
3		379	304	83.1	1.100	46.8	38.3	91	3		495	398	95.0	1.642	46.8	38.3	94	
4		483	422	73.4	1.109	52.4	46.5	90	4		631	551	83.9	1.655	52.4	46.5	93	
5		604	556	61.7	1.109	55.1	51.6	90	5		789	726	70.6	1.655	55.1	51.6	92	
6		695	657	51.9	1.083	54.5	52.4	89	6		908	858	59.3	1.616	54.5	52.4	92	
1	2700	314	147	128.1	2.160	30.5	14.5	98	1	3000	388	181	142.4	2.963	30.5	14.5	101	
2		419	268	121.0	2.252	36.9	23.9	97	2		518	330	134.5	3.089	36.9	23.9	100	
3		627	503	106.9	2.338	46.8	38.3	96	3		774	621	118.8	3.207	46.8	38.3	99	
4		799	697	94.4	2.357	52.4	46.5	95	4		986	861	104.9	3.232	52.4	46.5	98	
5		999	919	79.4	2.357	55.1	51.6	95	5		1233	1135	88.2	3.232	55.1	51.6	97	
6		1149	1086	66.7	2.301	54.5	52.4	95	6		1419	1340	74.1	3.157	54.5	52.4	97	
1	3400	498	232	161.4	4.313	30.5	14.5	103	1	3800	622	290	180.4	6.021	30.5	14.5	109	
2		665	424	152.4	4.497	36.9	23.9	103	2		830	530	170.4	6.278	36.9	23.9	107	
3		994	798	134.6	4.669	46.8	38.3	102	3		1241	997	150.4	6.517	46.8	38.3	107	
4		1267	1106	118.9	4.705	52.4	46.5	101	4		1582	1381	132.9	6.569	52.4	46.5	106	
5		1584	1458	100.0	4.705	55.1	51.6	100	5		1978	1821	111.8	6.569	55.1	51.6	106	
6		1823	1722	84.0	4.595	54.5	52.4	100	6		2277	2150	93.9	6.415	54.5	52.4	106	
1	4200	760	355	199.3	8.130	30.5	14.5	111										
2		1015	648	188.3	8.476	36.9	23.9	109										
3		1516	1218	166.3	8.800	46.8	38.3	109										
4		1933	1687	146.9	8.869	52.4	46.5	108										
5		2417	2224	123.5	8.869	55.1	51.6	108										
6		2781	2627	103.8	8.661	54.5	52.4	108										

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
 - Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
 - Performance certified is for installation type B - free inlet, ducted outlet.
 - Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 355

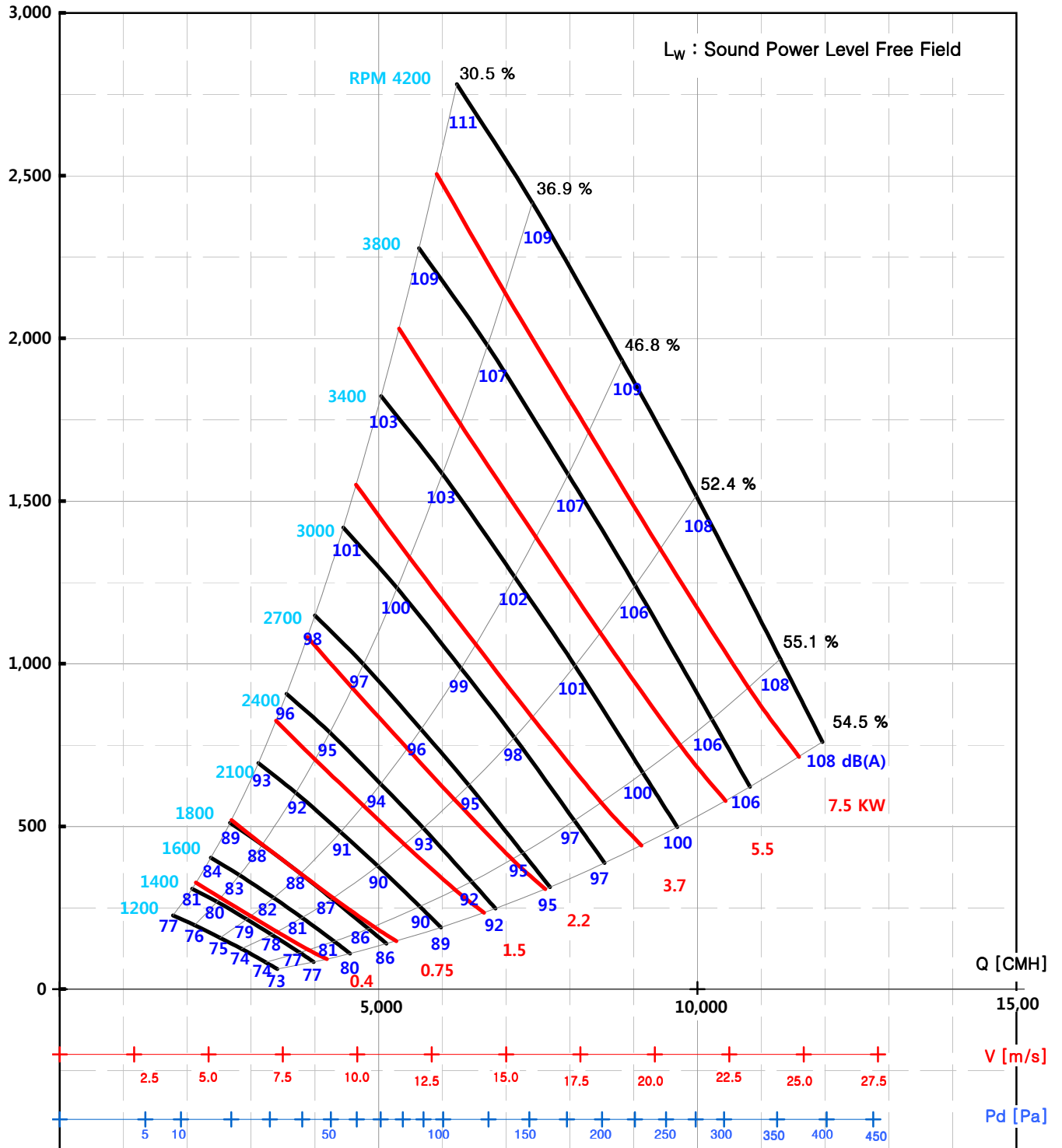
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	355 mm
Number of Blades	z	10 ea
Max Fan RPM	n	4200 min-1

Max Shaft Power	L	8.9 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 400mm

Outlet Dim : 0.41 x 0.41 m

Outlet Area : 0.1681 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	1100	66	31	74.7	0.266	30.5	14.5	79	1	1300	92	43	88.2	0.438	30.5	14.5	83
2		88	56	70.5	0.277	36.9	23.9	78	2		123	79	83.4	0.457	36.9	23.9	82
3		132	106	62.3	0.288	46.8	38.3	77	3		184	148	73.6	0.474	46.8	38.3	81
4		168	147	55.0	0.290	52.4	46.5	76	4		235	205	65.0	0.478	52.4	46.5	80
5		210	194	46.2	0.290	55.1	51.6	75	5		294	271	54.7	0.478	55.1	51.6	79
6		242	229	38.9	0.283	54.5	52.4	75	6		338	320	45.9	0.467	54.5	52.4	79
1	1500	123	57	101.8	0.673	30.5	14.5	86	1	1700	158	74	115.4	0.980	30.5	14.5	89
2		164	105	96.2	0.702	36.9	23.9	85	2		211	135	109.0	1.021	36.9	23.9	88
3		246	197	84.9	0.728	46.8	38.3	84	3		315	253	96.3	1.060	46.8	38.3	87
4		313	273	75.0	0.734	52.4	46.5	83	4		402	351	85.0	1.069	52.4	46.5	86
5		391	360	63.1	0.734	55.1	51.6	83	5		503	463	71.5	1.069	55.1	51.6	86
6		450	425	53.0	0.717	54.5	52.4	82	6		579	546	60.1	1.044	54.5	52.4	86
1	1900	197	92	129.0	1.367	30.5	14.5	95	1	2200	265	124	149.4	2.122	30.5	14.5	98
2		264	168	121.9	1.426	36.9	23.9	94	2		353	226	141.1	2.213	36.9	23.9	97
3		394	316	107.6	1.480	46.8	38.3	93	3		528	424	124.6	2.297	46.8	38.3	96
4		502	438	95.1	1.492	52.4	46.5	92	4		673	588	110.1	2.315	52.4	46.5	96
5		628	578	79.9	1.492	55.1	51.6	91	5		842	775	92.5	2.315	55.1	51.6	95
6		723	683	67.2	1.457	54.5	52.4	91	6		969	915	77.8	2.261	54.5	52.4	95
1	2500	342	160	169.7	3.114	30.5	14.5	100	1	2800	429	200	190.1	4.375	30.5	14.5	103
2		456	291	160.3	3.247	36.9	23.9	99	2		572	365	179.6	4.562	36.9	23.9	102
3		682	548	141.6	3.371	46.8	38.3	98	3		856	687	158.6	4.736	46.8	38.3	101
4		870	759	125.1	3.397	52.4	46.5	97	4		1091	952	140.1	4.773	52.4	46.5	100
5		1087	1001	105.2	3.397	55.1	51.6	97	5		1364	1255	117.8	4.773	55.1	51.6	99
6		1251	1182	88.4	3.318	54.5	52.4	97	6		1569	1482	99.0	4.661	54.5	52.4	99
1	3200	560	261	217.3	6.531	30.5	14.5	106	1	3600	709	331	244.4	9.298	30.5	14.5	111
2		748	477	205.3	6.809	36.9	23.9	105	2		946	604	230.9	9.695	36.9	23.9	110
3		1117	898	181.2	7.069	46.8	38.3	104	3		1414	1136	203.9	10.064	46.8	38.3	110
4		1425	1243	160.1	7.124	52.4	46.5	103	4		1803	1574	180.1	10.144	52.4	46.5	109
5		1781	1639	134.6	7.124	55.1	51.6	102	5		2254	2075	151.5	10.144	55.1	51.6	109
6		2050	1936	113.2	6.957	54.5	52.4	102	6		2594	2450	127.3	9.906	54.5	52.4	109
1	4000	875	408	271.6	12.755	30.5	14.5	113									
2		1168	746	256.6	13.298	36.9	23.9	112									
3		1746	1402	226.6	13.805	46.8	38.3	112									
4		2226	1943	200.2	13.914	52.4	46.5	111									
5		2783	2561	168.3	13.914	55.1	51.6	111									
6		3203	3025	141.5	13.588	54.5	52.4	111									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 400

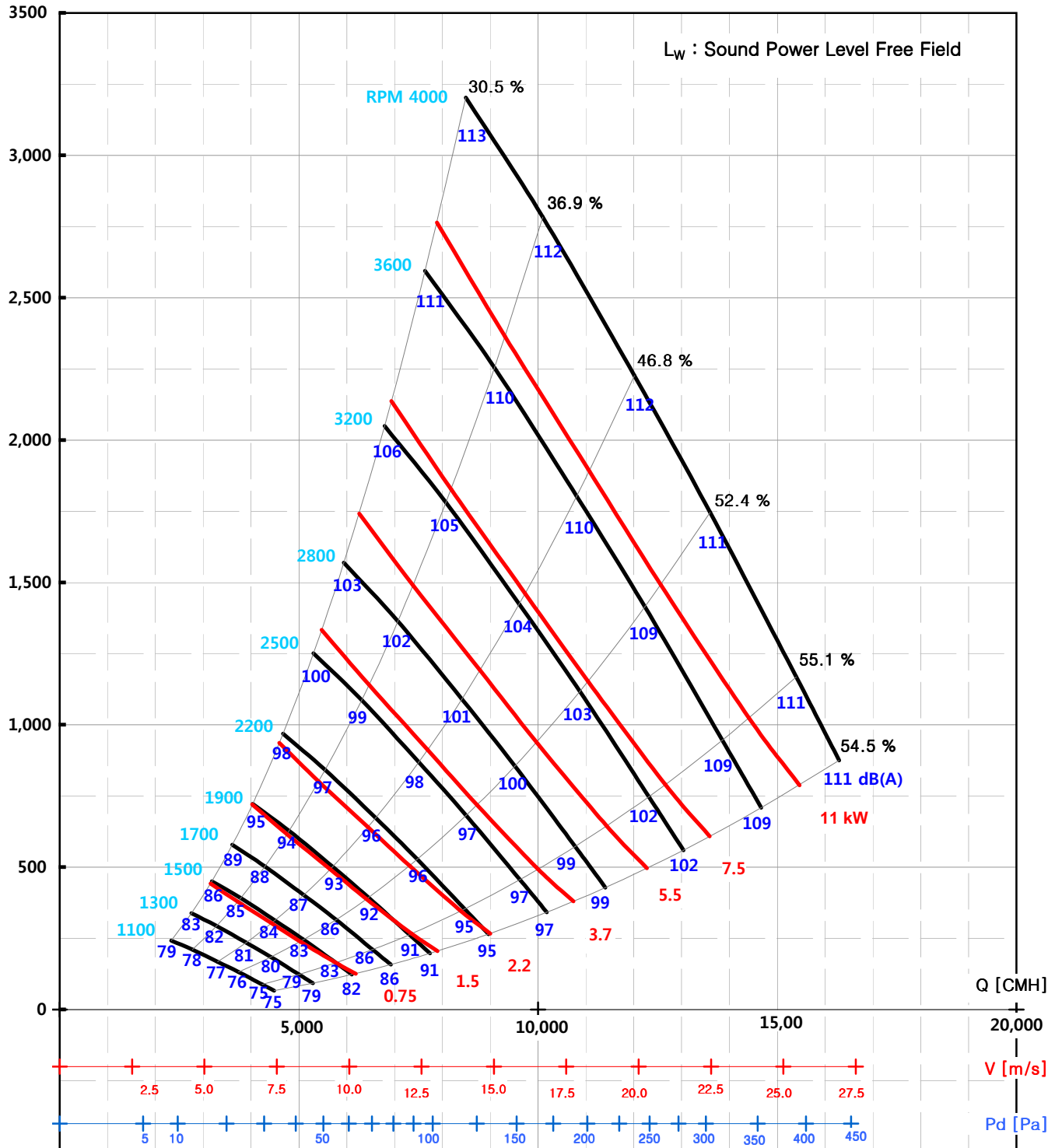
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	400 mm
Number of Blades	z	10 ea
Max Fan RPM	n	4000 min-1

Max Shaft Power	L	14 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA : 450mm

Outlet Dim : 0.46 x 0.46 m

Outlet Area : 0.2116 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	1000	69	32	96.6	0.360	30.5	14.5	80	1	1100	84	39	106.3	0.478	30.5	14.5	83
2		92	59	91.3	0.375	36.9	23.9	79	2		112	71	100.4	0.499	36.9	23.9	82
3		138	111	80.6	0.389	46.8	38.3	78	3		167	134	88.7	0.518	46.8	38.3	80
4		176	154	71.2	0.392	52.4	46.5	77	4		213	186	78.3	0.522	52.4	46.5	79
5		220	203	59.9	0.392	55.1	51.6	77	5		266	245	65.9	0.522	55.1	51.6	79
6		253	239	50.3	0.383	54.5	52.4	76	6		307	290	55.4	0.510	54.5	52.4	79
1	1200	100	47	116.0	0.621	30.5	14.5	85	1	1300	117	55	125.7	0.789	30.5	14.5	86
2		133	85	109.6	0.647	36.9	23.9	84	2		156	100	118.7	0.823	36.9	23.9	86
3		199	160	96.7	0.672	46.8	38.3	82	3		233	187	104.8	0.854	46.8	38.3	84
4		254	221	85.5	0.677	52.4	46.5	81	4		298	260	92.6	0.861	52.4	46.5	83
5		317	292	71.9	0.677	55.1	51.6	81	5		372	342	77.9	0.861	55.1	51.6	83
6		365	345	60.4	0.662	54.5	52.4	81	6		428	404	65.4	0.841	54.5	52.4	83
1	1400	136	63	135.3	0.986	30.5	14.5	88	1	1500	156	73	145.0	1.213	30.5	14.5	90
2		181	116	127.8	1.028	36.9	23.9	87	2		208	133	137.0	1.264	36.9	23.9	89
3		271	217	112.9	1.067	46.8	38.3	86	3		311	250	120.9	1.312	46.8	38.3	88
4		345	301	99.7	1.075	52.4	46.5	85	4		396	346	106.8	1.323	52.4	46.5	87
5		432	397	83.9	1.075	55.1	51.6	85	5		495	456	89.8	1.323	55.1	51.6	86
6		497	469	70.5	1.050	54.5	52.4	84	6		570	538	75.5	1.292	54.5	52.4	86
1	1600	177	83	154.7	1.471	30.5	14.5	91	1	1800	224	105	174.0	2.095	30.5	14.5	97
2		237	151	146.1	1.534	36.9	23.9	91	2		299	191	164.4	2.184	36.9	23.9	96
3		354	284	129.0	1.593	46.8	38.3	89	3		448	359	145.1	2.267	46.8	38.3	95
4		451	393	114.0	1.605	52.4	46.5	88	4		571	498	128.2	2.285	52.4	46.5	94
5		564	519	95.8	1.605	55.1	51.6	88	5		713	656	107.8	2.285	55.1	51.6	94
6		649	613	80.5	1.568	54.5	52.4	88	6		821	775	90.6	2.232	54.5	52.4	93
1	2000	277	129	193.4	2.873	30.5	14.5	99	1	2200	335	156	212.7	3.824	30.5	14.5	101
2		370	236	182.7	2.995	36.9	24.0	98	2		447	286	201.0	3.987	36.9	24.0	100
3		552	444	161.3	3.110	46.9	38.3	97	3		668	537	177.5	4.139	46.9	38.3	99
4		704	615	142.5	3.134	52.4	46.6	96	4		852	744	156.8	4.171	52.4	46.6	98
5		881	810	119.9	3.134	55.1	51.6	96	5		1066	981	131.8	4.171	55.1	51.6	98
6		1013	957	100.7	3.061	54.6	52.5	96	6		1226	1158	110.8	4.074	54.6	52.5	98
1	2500	433	202	241.7	5.611	30.5	14.5	104	1	2800	543	253	270.7	7.883	30.5	14.5	106
2		578	369	228.4	5.850	36.9	24.0	103	2		725	462	255.8	8.219	36.9	24.0	105
3		863	693	201.7	6.073	46.9	38.3	102	3		1083	870	225.9	8.533	46.9	38.3	104
4		1101	961	178.2	6.121	52.4	46.6	101	4		1381	1205	199.5	8.600	52.4	46.6	103
5		1376	1266	149.8	6.121	55.1	51.6	101	5		1726	1588	167.8	8.600	55.1	51.6	103
6		1583	1496	125.9	5.978	54.6	52.5	100	6		1986	1876	141.0	8.398	54.6	52.5	103
1	3100	665	310	299.8	10.698	30.5	14.5	109	1	3400	800	373	328.8	14.115	30.5	14.5	111
2		888	567	283.2	11.154	36.9	24.0	108	2		1068	682	310.6	14.716	36.9	24.0	110
3		1327	1066	250.0	11.580	46.9	38.3	107	3		1597	1282	274.2	15.278	46.9	38.3	109
4		1692	1477	220.9	11.671	52.4	46.6	106	4		2036	1777	242.3	15.398	52.4	46.6	108
5		2116	1947	185.8	11.671	55.1	51.6	105	5		2545	2342	203.8	15.398	55.1	51.6	107
6		2435	2300	156.2	11.397	54.6	52.5	105	6		2929	2766	171.3	15.037	54.6	52.5	107

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
 - Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
 - Performance certified is for installation type B - free inlet, ducted outlet.
 - Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 450

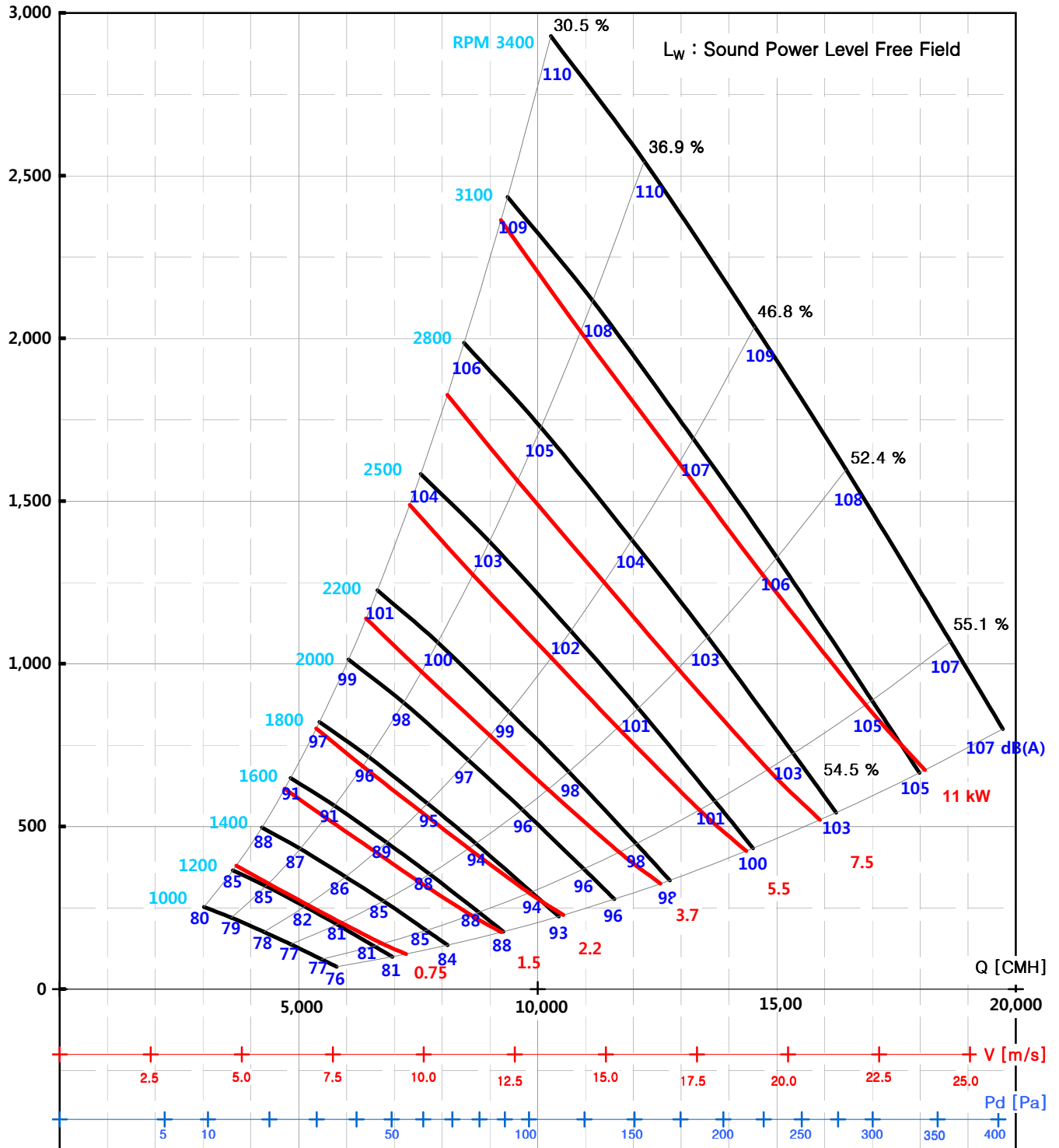
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	450 mm
Number of Blades	z	10 ea
Max Fan RPM	n	3400 min-1

Max Shaft Power	L	15.4 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 500mm

Outlet Dim. : 0.51 × 0.51 m

Outlet Area : 0.2601 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	900	69	32	119.3	0.444	30.5	14.5	81	1	1000	85	40	132.6	0.609	30.5	14.5	84
2		92	59	112.7	0.463	36.9	23.9	80	2		114	73	125.3	0.635	36.9	23.9	83
3		138	111	99.5	0.480	46.8	38.3	79	3		171	137	110.6	0.659	46.8	38.3	81
4		176	154	87.9	0.484	52.4	46.5	78	4		217	190	97.7	0.664	52.4	46.5	80
5		220	203	73.9	0.484	55.1	51.6	78	5		272	250	82.2	0.664	55.1	51.6	80
6		253	239	62.1	0.473	54.5	52.4	77	6		313	295	69.0	0.648	54.5	52.4	80
1	1100	103	48	145.9	0.810	30.5	14.5	86	1	1200	123	57	159.1	1.051	30.5	14.5	88
2		138	88	137.8	0.844	36.9	23.9	85	2		164	105	150.3	1.096	36.9	23.9	87
3		206	166	121.7	0.877	46.8	38.3	84	3		246	197	132.7	1.138	46.8	38.3	86
4		263	230	107.5	0.884	52.4	46.5	82	4		313	273	117.3	1.147	52.4	46.5	85
5		329	303	90.4	0.884	55.1	51.6	82	5		391	360	98.6	1.147	55.1	51.6	84
6		378	357	76.0	0.863	54.5	52.4	82	6		450	425	82.9	1.120	54.5	52.4	84
1	1300	144	67	172.4	1.337	30.5	14.5	90	1	1400	167	78	185.6	1.669	30.5	14.5	91
2		193	123	162.9	1.394	36.9	23.9	89	2		224	143	175.4	1.740	36.9	23.9	91
3		288	231	143.8	1.447	46.8	38.3	87	3		334	268	154.9	1.807	46.8	38.3	89
4		367	321	127.0	1.458	52.4	46.5	86	4		426	372	136.8	1.821	52.4	46.5	88
5		459	423	106.8	1.458	55.1	51.6	86	5		533	490	115.0	1.821	55.1	51.6	88
6		529	499	89.8	1.424	54.5	52.4	86	6		613	579	96.7	1.778	54.5	52.4	88
1	1600	219	102	212.2	2.492	30.5	14.5	95	1	1800	277	129	238.7	3.547	30.5	14.5	100
2		292	186	200.4	2.598	36.9	23.9	94	2		370	236	225.5	3.698	36.9	23.9	99
3		437	351	177.0	2.697	46.8	38.3	92	3		552	444	199.1	3.840	46.8	38.3	98
4		557	486	156.4	2.718	52.4	46.5	91	4		704	615	175.9	3.870	52.4	46.5	97
5		696	640	131.5	2.718	55.1	51.6	91	5		881	810	147.9	3.870	55.1	51.6	97
6		801	756	110.5	2.654	54.5	52.4	91	6		1013	957	124.3	3.779	54.5	52.4	97
1	2000	342	160	265.2	4.866	30.5	14.5	102	1	2300	452	211	305.0	7.400	30.5	14.5	105
2		456	291	250.6	5.073	36.9	23.9	101	2		604	385	288.2	7.715	36.9	23.9	104
3		682	548	221.2	5.267	46.8	38.3	100	3		902	725	254.4	8.010	46.8	38.3	103
4		870	759	195.5	5.308	52.4	46.5	99	4		1150	1004	224.8	8.073	52.4	46.5	102
5		1087	1001	164.4	5.308	55.1	51.6	99	5		1438	1323	189.0	8.073	55.1	51.6	102
6		1251	1182	138.1	5.184	54.5	52.4	99	6		1655	1563	158.9	7.884	54.5	52.4	102
1	2600	578	270	344.8	10.690	30.5	14.5	108	1	2900	719	335	384.6	14.833	30.5	14.5	110
2		771	492	325.8	11.145	36.9	23.9	107	2		960	612	363.3	15.465	36.9	23.9	109
3		1153	926	287.6	11.570	46.8	38.3	106	3		1434	1152	320.8	16.055	46.8	38.3	108
4		1470	1283	254.1	11.661	52.4	46.5	105	4		1828	1596	283.5	16.181	52.4	46.5	107
5		1837	1691	213.7	11.661	55.1	51.6	105	5		2286	2104	238.3	16.181	55.1	51.6	107
6		2114	1997	179.6	11.388	54.5	52.4	104	6		2630	2485	200.3	15.802	54.5	52.4	107
1	3200	875	408	424.4	19.929	30.5	14.5	112									
2		1168	746	400.9	20.778	36.9	23.9	112									
3		1746	1402	354.0	21.571	46.8	38.3	111									
4		2226	1943	312.8	21.741	52.4	46.5	110									
5		2783	2561	263.0	21.741	55.1	51.6	109									
6		3203	3025	221.1	21.231	54.5	52.4	109									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
 - Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
 - Performance certified is for installation type B - free inlet, ducted outlet.
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Curves TLA 500

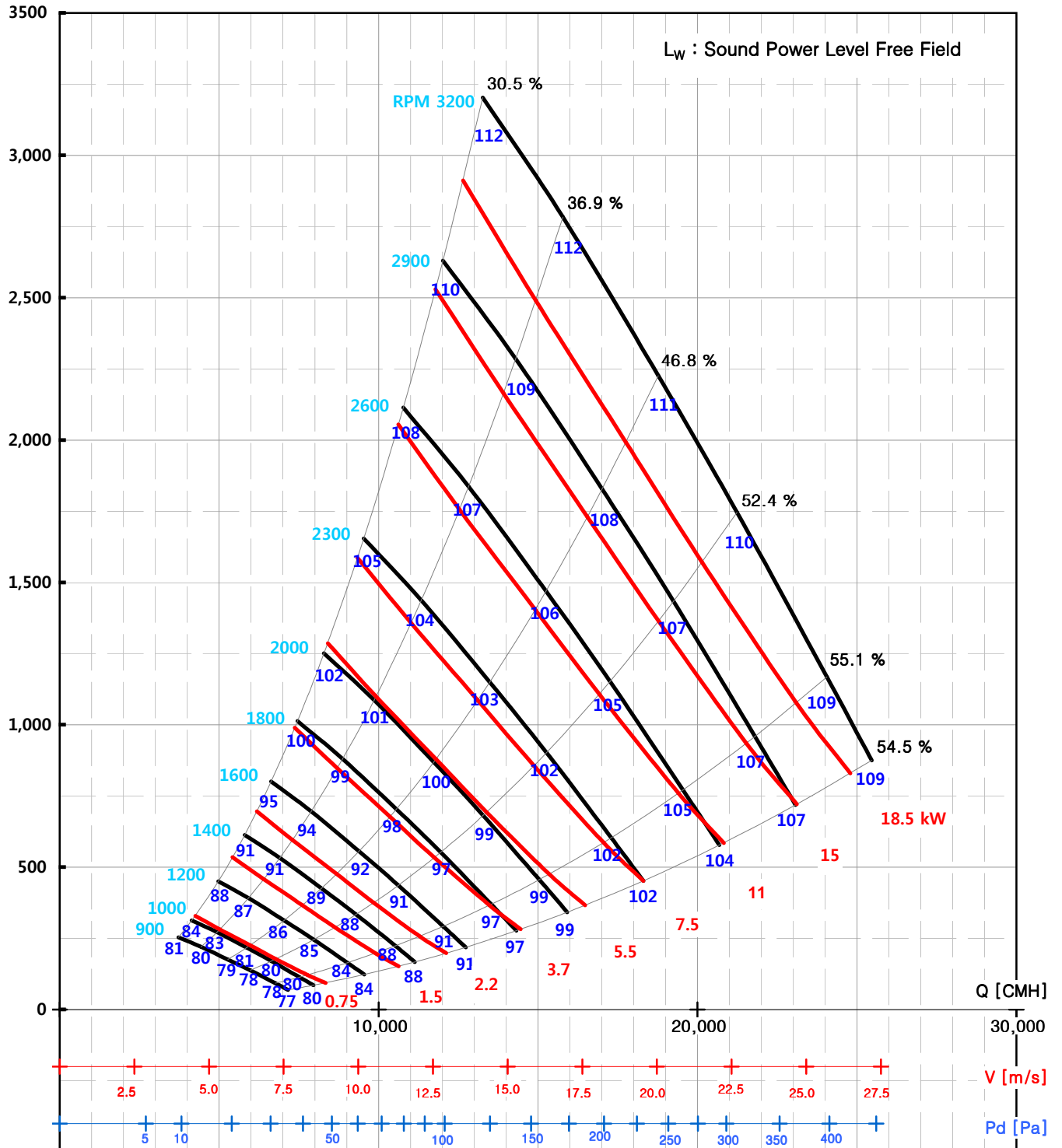
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	500 mm
Number of Blades	z	10 ea
Max Fan RPM	n	3200 min-1

Max Shaft Power	L	21.7 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 560mm

Outlet Dim : 0.56 x 0.56 m

Outlet Area : 0.3136 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	800	106	69	144.6	0.486	51.6	34.1	79	900	134	87	162.7	0.691	51.6	34.1	88	
		139	108	131.3	0.489	61.1	48.1	78		176	136	147.7	0.696	61.1	48.1	84	
		186	161	111.9	0.502	67.7	59.8	76		235	204	125.9	0.714	67.7	59.8	80	
		228	210	94.0	0.507	69.2	64.6	75		289	265	105.7	0.721	69.2	64.6	79	
		262	247	79.1	0.498	67.8	65.0	75		331	312	89.0	0.710	67.8	65.0	80	
		290	278	65.6	0.485	64.0	62.4	79		367	351	73.9	0.691	64.0	62.4	87	
1	1000	166	107	180.8	0.948	51.6	34.1	89	1100	200	130	198.9	1.261	51.6	34.1	90	
		218	168	164.2	0.955	61.1	48.1	86		263	204	180.6	1.271	61.1	48.1	87	
		290	252	139.9	0.979	67.7	59.8	82		351	305	153.9	1.303	67.7	59.8	84	
		357	327	117.5	0.989	69.2	64.6	81		432	396	129.2	1.316	69.2	64.6	83	
		409	385	98.9	0.973	67.8	65.0	82		495	466	108.8	1.295	67.8	65.0	84	
		453	434	82.1	0.947	64.0	62.4	89		548	525	90.3	1.261	64.0	62.4	90	
1	1200	238	155	216.9	1.637	51.6	34.1	91	1400	324	210	253.1	2.600	51.6	34.1	94	
		313	242	197.0	1.650	61.1	48.1	89		427	330	229.8	2.620	61.1	48.1	92	
		418	363	167.9	1.692	67.7	59.8	86		569	494	195.9	2.686	67.7	59.8	90	
		514	471	141.0	1.709	69.2	64.6	85		699	642	164.5	2.713	69.2	64.6	89	
		589	555	118.7	1.681	67.8	65.0	86		802	756	138.4	2.669	67.8	65.0	89	
		652	625	98.5	1.637	64.0	62.4	91		888	850	114.9	2.599	64.0	62.4	93	
1	1600	424	275	289.3	3.881	51.6	34.1	96	1800	536	348	325.4	5.525	51.6	34.1	98	
		557	431	262.7	3.911	61.1	48.1	95		705	545	295.5	5.568	61.1	48.1	98	
		743	645	223.9	4.010	67.7	59.8	93		940	816	251.8	5.709	67.7	59.8	96	
		914	838	188.0	4.050	69.2	64.6	92		1156	1061	211.5	5.766	69.2	64.6	95	
		1047	987	158.2	3.984	67.8	65.0	92		1325	1249	178.0	5.673	67.8	65.0	95	
		1159	1110	131.3	3.879	64.0	62.4	95		1467	1405	147.8	5.523	64.0	62.4	97	
1	2000	662	429	361.6	7.579	51.6	34.1	101	2300	876	568	415.8	11.526	51.6	34.1	105	
		871	673	328.4	7.637	61.1	48.1	100		1151	890	377.6	11.615	61.1	48.1	104	
		1160	1008	279.8	7.831	67.7	59.8	99		1534	1333	321.8	11.910	67.7	59.8	103	
		1427	1309	235.0	7.909	69.2	64.6	98		1888	1732	270.3	12.029	69.2	64.6	101	
		1636	1542	197.8	7.781	67.8	65.0	97		2164	2039	227.5	11.834	67.8	65.0	101	
		1812	1735	164.2	7.576	64.0	62.4	100		2396	2294	188.8	11.522	64.0	62.4	104	
1	2600	1119	725	470.1	16.650	51.6	34.1	108	2900	1392	902	524.3	23.104	51.6	34.1	111	
		1471	1138	426.9	16.779	61.1	48.1	108		1830	1415	476.1	23.282	61.1	48.1	111	
		1961	1703	363.8	17.205	67.7	59.8	106		2439	2119	405.8	23.874	67.7	59.8	109	
		2412	2213	305.6	17.376	69.2	64.6	105		3001	2753	340.8	24.112	69.2	64.6	108	
		2765	2606	257.2	17.094	67.8	65.0	105		3440	3242	286.8	23.720	67.8	65.0	108	
		3062	2932	213.5	16.644	64.0	62.4	108		3809	3647	238.1	23.095	64.0	62.4	111	

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
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Curves TLA 560

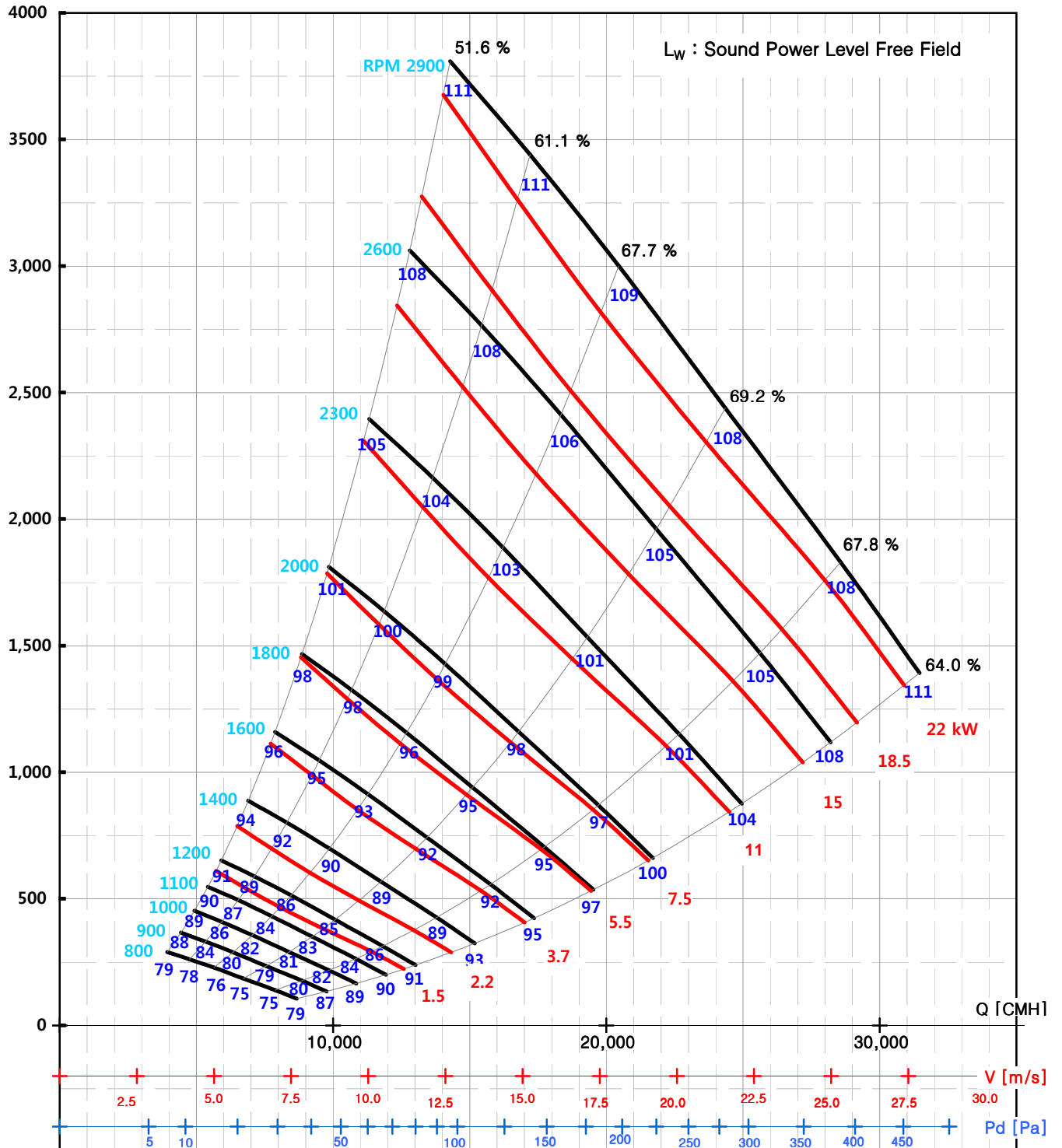
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	560 mm
Number of Blades	z	10 ea
Max Fan RPM	n	2900 min-1

Max Shaft Power	L	23.8 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 630mm

Outlet Dim : 0.63 x 0.63 m

Outlet Area : 0.3969 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	700	103	67	180.2	0.586	51.6	34.1	80	800	134	87	205.9	0.875	51.6	34.1	83	
		135	104	163.6	0.591	61.1	48.1	79		2	176	136	187.0	0.881	61.1	48.1	82
		180	156	139.4	0.606	67.7	59.8	77		3	235	204	159.4	0.904	67.7	59.8	80
		221	203	117.1	0.612	69.2	64.6	76		4	289	265	133.8	0.913	69.2	64.6	79
		254	239	98.5	0.602	67.8	65.0	76		5	331	312	112.6	0.898	67.8	65.0	79
		281	269	81.8	0.586	64.0	62.4	80		6	367	351	93.5	0.874	64.0	62.4	83
1	900	170	110	231.7	1.245	51.6	34.1	91	1000	209	136	257.4	1.708	51.6	34.1	92	
		223	173	210.4	1.255	61.1	48.1	87		2	275	213	233.7	1.721	61.1	48.1	89
		297	258	179.3	1.286	67.7	59.8	84		3	367	319	199.2	1.764	67.7	59.8	86
		366	336	150.6	1.299	69.2	64.6	83		4	452	414	167.3	1.782	69.2	64.6	85
		419	395	126.7	1.278	67.8	65.0	83		5	518	488	140.8	1.753	67.8	65.0	85
		464	445	105.2	1.244	64.0	62.4	91		6	573	549	116.9	1.707	64.0	62.4	92
1	1100	253	164	283.2	2.273	51.6	34.1	94	1200	302	196	308.9	2.950	51.6	34.1	95	
		333	258	257.1	2.290	61.1	48.1	91		2	397	307	280.5	2.973	61.1	48.1	93
		444	386	219.1	2.348	67.7	59.8	88		3	529	459	239.1	3.049	67.7	59.8	90
		546	501	184.0	2.372	69.2	64.6	87		4	650	597	200.8	3.079	69.2	64.6	89
		626	590	154.9	2.333	67.8	65.0	87		5	746	703	169.0	3.029	67.8	65.0	89
		694	664	128.6	2.272	64.0	62.4	93		6	825	790	140.3	2.949	64.0	62.4	94
1	1300	354	230	334.6	3.751	51.6	34.1	96	1400	411	266	360.4	4.685	51.6	34.1	97	
		466	360	303.9	3.780	61.1	48.1	94		2	540	418	327.3	4.721	61.1	48.1	96
		620	539	259.0	3.876	67.7	59.8	92		3	720	625	278.9	4.841	67.7	59.8	93
		763	700	217.5	3.914	69.2	64.6	91		4	885	812	234.3	4.889	69.2	64.6	92
		875	825	183.1	3.851	67.8	65.0	91		5	1015	956	197.1	4.810	67.8	65.0	92
		969	928	152.0	3.749	64.0	62.4	96		6	1124	1076	163.7	4.683	64.0	62.4	97
1	1600	536	348	411.9	6.993	51.6	34.1	99	1800	679	440	463.4	9.956	51.6	34.1	102	
		705	545	374.0	7.047	61.1	48.1	98		2	892	690	420.8	10.033	61.1	48.1	101
		940	816	318.8	7.225	67.7	59.8	97		3	1189	1033	358.6	10.288	67.7	59.8	100
		1156	1061	267.7	7.298	69.2	64.6	95		4	1463	1342	301.2	10.390	69.2	64.6	98
		1325	1249	225.3	7.179	67.8	65.0	95		5	1677	1581	253.5	10.222	67.8	65.0	98
		1467	1405	187.0	6.990	64.0	62.4	98		6	1857	1778	210.4	9.952	64.0	62.4	101
1	2000	838	543	514.9	13.657	51.6	34.1	105	2300	1108	718	592.1	20.770	51.6	34.1	109	
		1102	852	467.5	13.762	61.1	48.1	104		2	1457	1127	537.7	20.931	61.1	48.1	108
		1468	1276	398.5	14.112	67.7	59.8	102		3	1942	1687	458.2	21.462	67.7	59.8	106
		1807	1657	334.7	14.253	69.2	64.6	101		4	2389	2192	384.9	21.676	69.2	64.6	105
		2071	1952	281.7	14.021	67.8	65.0	101		5	2739	2581	323.9	21.324	67.8	65.0	105
		2293	2196	233.8	13.652	64.0	62.4	104		6	3032	2904	268.9	20.762	64.0	62.4	108
1	2600	1416	918	669.3	30.003	51.6	34.1	112	2900	1762	1142	746.6	41.633	51.6	34.1	115	
		1862	1440	607.8	30.235	61.1	48.1	111		2	2317	1791	678.0	41.955	61.1	48.1	114
		2482	2156	518.0	31.003	67.7	59.8	109		3	3087	2682	577.8	43.020	67.7	59.8	113
		3053	2801	435.1	31.312	69.2	64.6	108		4	3798	3484	485.3	43.450	69.2	64.6	111
		3500	3298	366.2	30.804	67.8	65.0	108		5	4354	4103	408.4	42.745	67.8	65.0	111
		3875	3711	304.0	29.992	64.0	62.4	111		6	4821	4616	339.0	41.618	64.0	62.4	114

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 630

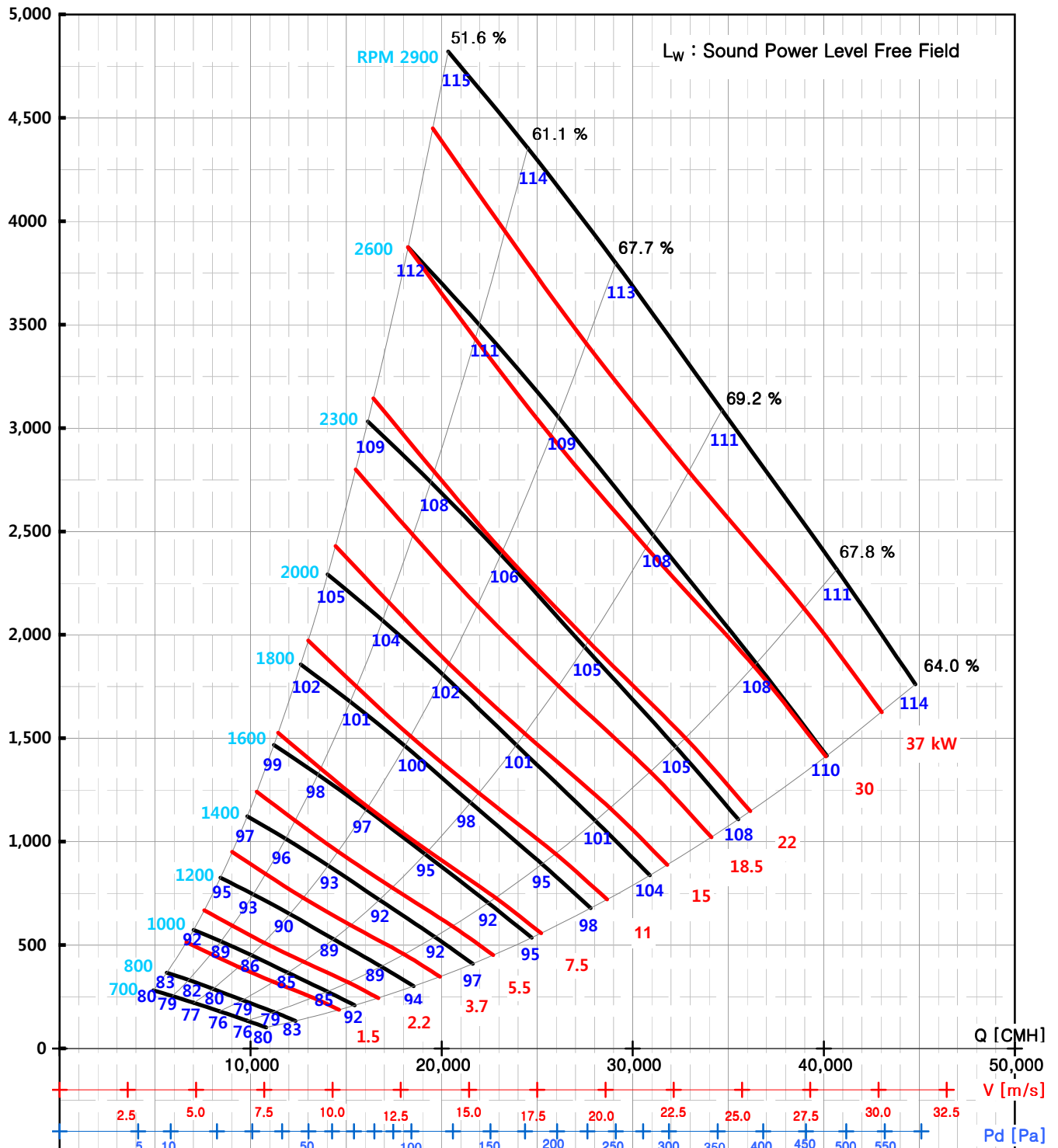
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	630 mm
Number of Blades	z	10 ea
Max Fan RPM	n	2900 min-1

Max Shaft Power	L	43.5 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 710mm

Outlet Dim : 0.71 x 0.71 m

Outlet Area : 0.5041 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	600	96	62	221.1	0.671	51.6	34.1	80	700	130	85	257.9	1.065	51.6	34.1	84	
		126	97	200.7	0.676	61.1	48.1	79		171	133	234.2	1.073	61.1	48.1	83	
		168	146	171.1	0.693	67.7	59.8	77		228	198	199.6	1.100	67.7	59.8	80	
		207	189	143.7	0.700	69.2	64.6	76		281	258	167.6	1.111	69.2	64.6	79	
		237	223	120.9	0.689	67.8	65.0	76		322	304	141.1	1.093	67.8	65.0	79	
		262	251	100.4	0.671	64.0	62.4	81		357	342	117.1	1.065	64.0	62.4	84	
1	800	170	110	294.8	1.589	51.6	34.1	86	900	216	140	331.6	2.263	51.6	34.1	95	
		224	173	267.7	1.602	61.1	48.1	86		283	219	301.1	2.280	61.1	48.1	91	
		298	259	228.1	1.642	67.7	59.8	84		378	328	256.6	2.338	67.7	59.8	87	
		367	337	191.6	1.659	69.2	64.6	82		465	426	215.5	2.362	69.2	64.6	86	
		421	397	161.2	1.632	67.8	65.0	82		533	502	181.4	2.323	67.8	65.0	87	
		466	446	133.8	1.589	64.0	62.4	86		590	565	150.6	2.262	64.0	62.4	94	
1	1000	266	172	368.5	3.104	51.6	34.1	96	1100	322	209	405.3	4.131	51.6	34.1	97	
		350	271	334.6	3.128	61.1	48.1	93		423	327	368.1	4.163	61.1	48.1	95	
		466	405	285.2	3.207	67.7	59.8	89		564	490	313.7	4.269	67.7	59.8	92	
		574	526	239.5	3.239	69.2	64.6	88		694	637	263.5	4.311	69.2	64.6	91	
		658	620	201.6	3.187	67.8	65.0	89		796	750	221.7	4.241	67.8	65.0	91	
		728	697	167.3	3.103	64.0	62.4	96		881	844	184.1	4.130	64.0	62.4	97	
1	1200	383	248	442.2	5.363	51.6	34.1	98	1400	522	338	515.9	8.516	51.6	34.1	101	
		504	390	401.5	5.405	61.1	48.1	96		686	530	468.5	8.582	61.1	48.1	99	
		671	583	342.2	5.542	67.7	59.8	93		914	794	399.2	8.800	67.7	59.8	97	
		826	758	287.4	5.597	69.2	64.6	92		1124	1031	335.3	8.888	69.2	64.6	96	
		947	892	241.9	5.506	67.8	65.0	93		1289	1215	282.2	8.743	67.8	65.0	96	
		1048	1004	200.8	5.361	64.0	62.4	98		1427	1366	234.3	8.513	64.0	62.4	100	
1	1600	681	442	589.6	12.712	51.6	34.1	99	1800	862	559	663.3	18.099	51.6	34.1	102	
		896	693	535.4	12.810	61.1	48.1	98		1134	877	602.3	18.239	61.1	48.1	101	
		1194	1037	456.3	13.135	67.7	59.8	97		1511	1312	513.3	18.702	67.7	59.8	100	
		1468	1347	383.2	13.266	69.2	64.6	95		1859	1705	431.1	18.889	69.2	64.6	98	
		1683	1586	322.5	13.051	67.8	65.0	95		2130	2008	362.9	18.582	67.8	65.0	98	
		1864	1785	267.7	12.707	64.0	62.4	98		2359	2259	301.2	18.093	64.0	62.4	101	
1	2000	1064	690	737.0	24.827	51.6	34.1	108	2200	1288	835	810.7	33.045	51.6	34.1	111	
		1399	1082	669.2	25.019	61.1	48.1	108		1693	1309	736.2	33.301	61.1	48.1	110	
		1865	1620	570.4	25.654	67.7	59.8	105		2257	1960	627.4	34.146	67.7	59.8	108	
		2294	2105	479.1	25.910	69.2	64.6	105		2776	2547	527.0	34.487	69.2	64.6	107	
		2630	2479	403.2	25.490	67.8	65.0	106		3183	2999	443.5	33.927	67.8	65.0	108	
		2912	2789	334.7	24.818	64.0	62.4	105		3524	3374	368.2	33.033	64.0	62.4	107	

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 710

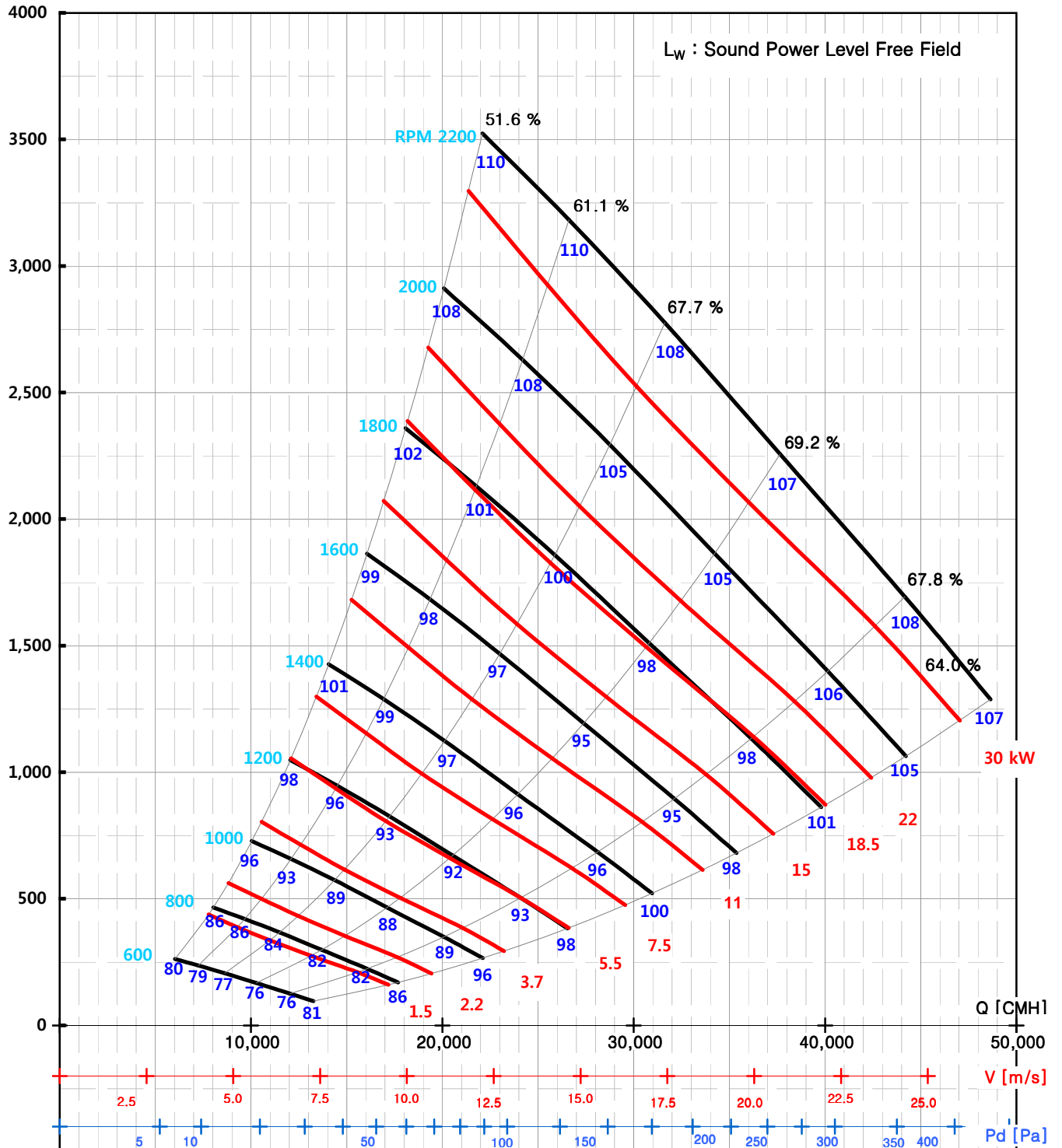
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	710 mm
Number of Blades	z	10 ea
Max Fan RPM	n	2200 min-1

Max Shaft Power	L	34.5 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 800mm

Outlet Dim : 0.8 x 0.8 m

Outlet Area : 0.6400 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	500	84	55	263.5	0.705	51.6	34.1	81	600	122	79	316.3	1.218	51.6	34.1	84	
		111	86	239.3	0.710	61.1	48.1	79		2	160	124	287.2	1.227	61.1	48.1	83
		148	129	204.0	0.729	67.7	59.8	76		3	213	185	244.8	1.258	67.7	59.8	81
		182	167	171.3	0.736	69.2	64.6	75		4	262	241	205.6	1.271	69.2	64.6	79
		209	197	144.2	0.724	67.8	65.0	76		5	301	283	173.0	1.250	67.8	65.0	80
		231	221	119.7	0.705	64.0	62.4	81		6	333	319	143.6	1.217	64.0	62.4	84
1	700	166	107	369.0	1.934	51.6	34.1	87	800	216	140	421.7	2.886	51.6	34.1	90	
		218	168	335.1	1.949	61.1	48.1	86		2	284	220	382.9	2.909	61.1	48.1	89
		290	252	285.6	1.998	67.7	59.8	84		3	379	329	326.4	2.982	67.7	59.8	87
		357	327	239.8	2.018	69.2	64.6	83		4	466	428	274.1	3.012	69.2	64.6	86
		409	385	201.8	1.985	67.8	65.0	83		5	534	503	230.7	2.963	67.8	65.0	86
		453	434	167.5	1.933	64.0	62.4	87		6	592	566	191.5	2.885	64.0	62.4	90
1	900	274	177	474.4	4.109	51.6	34.1	98	1000	338	219	527.1	5.637	51.6	34.1	100	
		360	278	430.8	4.141	61.1	48.1	95		2	444	343	478.7	5.680	61.1	48.1	96
		479	417	367.2	4.246	67.7	59.8	91		3	592	514	408.0	5.825	67.7	59.8	93
		590	541	308.4	4.289	69.2	64.6	90		4	728	668	342.6	5.883	69.2	64.6	92
		676	637	259.5	4.219	67.8	65.0	91		5	835	787	288.4	5.787	67.8	65.0	93
		749	717	215.4	4.108	64.0	62.4	98		6	924	885	239.4	5.635	64.0	62.4	99
1	1100	409	265	579.8	7.502	51.6	34.1	101	1200	486	315	632.6	9.740	51.6	34.1	102	
		537	416	526.5	7.560	61.1	48.1	98		2	640	495	574.4	9.815	61.1	48.1	100
		716	622	448.8	7.752	67.7	59.8	95		3	852	741	489.6	10.064	67.7	59.8	97
		881	808	376.9	7.830	69.2	64.6	94		4	1049	962	411.2	10.165	69.2	64.6	96
		1010	952	317.2	7.703	67.8	65.0	95		5	1202	1133	346.1	10.000	67.8	65.0	96
		1118	1071	263.3	7.500	64.0	62.4	100		6	1331	1275	287.3	9.736	64.0	62.4	102
1	1400	662	429	738.0	15.466	51.6	34.1	104	1600	865	561	843.4	23.087	51.6	34.1	106	
		871	673	670.2	15.586	61.1	48.1	103		2	1137	879	765.9	23.265	61.1	48.1	105
		1160	1008	571.2	15.982	67.7	59.8	101		3	1515	1316	652.8	23.856	67.7	59.8	104
		1427	1309	479.7	16.141	69.2	64.6	100		4	1864	1710	548.3	24.094	69.2	64.6	103
		1636	1542	403.7	15.879	67.8	65.0	100		5	2137	2014	461.4	23.703	67.8	65.0	103
		1812	1735	335.1	15.461	64.0	62.4	104		6	2366	2266	383.0	23.078	64.0	62.4	105
1	1800	1095	710	948.9	32.871	51.6	34.1	109	2000	1351	876	1054.3	45.091	51.6	34.1	112	
		1439	1113	861.6	33.125	61.1	48.1	108		2	1777	1374	957.4	45.439	61.1	48.1	111
		1918	1666	734.4	33.966	67.7	59.8	107		3	2368	2057	816.0	46.593	67.7	59.8	110
		2360	2165	616.8	34.305	69.2	64.6	106		4	2913	2672	685.3	47.057	69.2	64.6	108
		2705	2549	519.1	33.748	67.8	65.0	106		5	3339	3147	576.8	46.294	67.8	65.0	108
		2995	2868	430.9	32.859	64.0	62.4	108		6	3697	3540	478.8	45.074	64.0	62.4	111

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 800

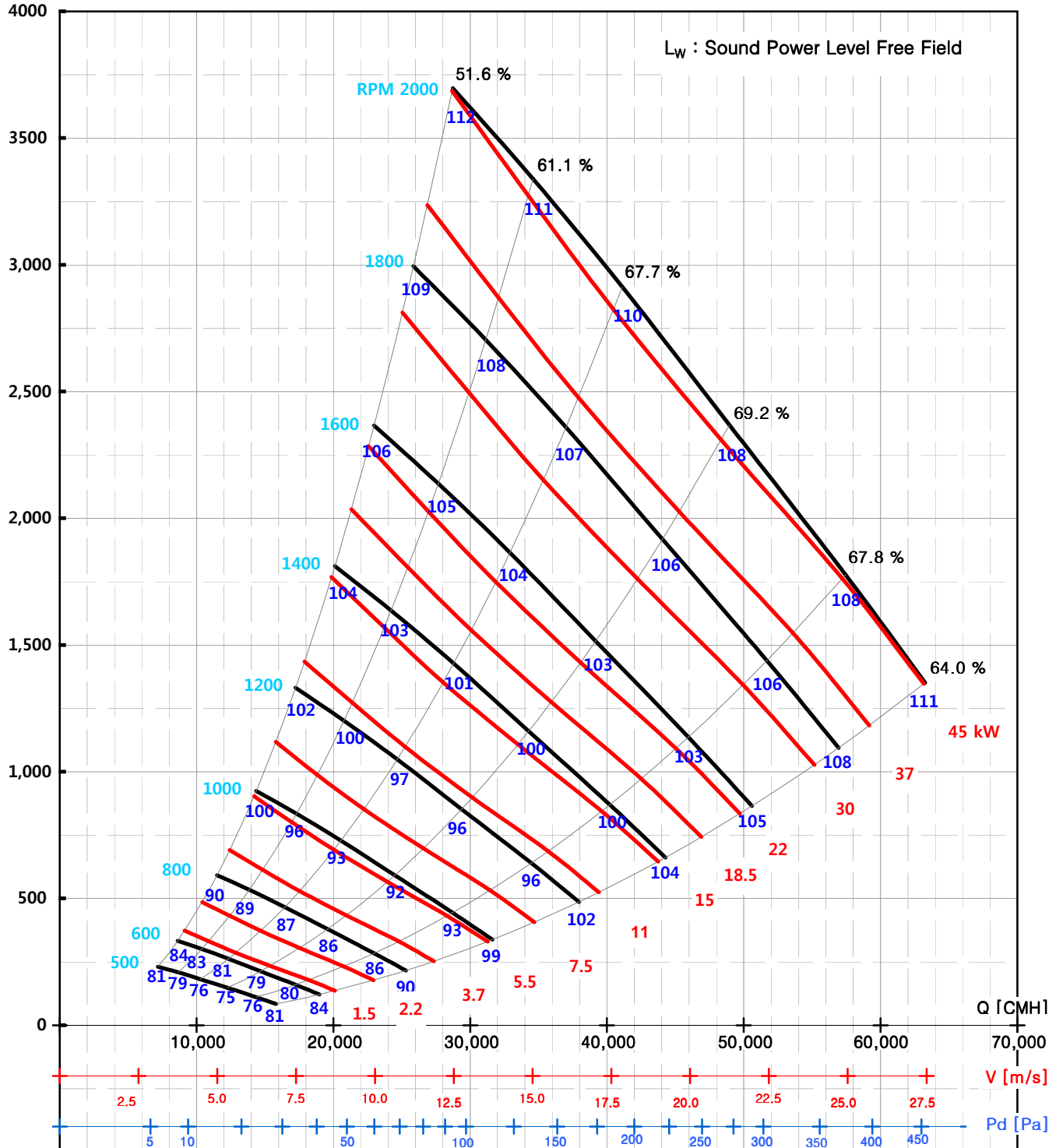
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	800 mm
Number of Blades	z	10 ea
Max Fan RPM	n	2000 min-1

Max Shaft Power	L	47 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 850mm

Outlet Dim : 0.9 × 0.9 m

Outlet Area : 0.8100 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	450	67	26	395.5	0.949	45.8	18.1	82	1	500	83	32	439.5	1.301	45.8	18.1	85
2		90	53	370.3	0.980	55.5	33.6	81	2		111	66	411.4	1.344	55.5	33.6	83
3		131	101	329.1	1.034	68.1	53.5	80	3		162	125	365.7	1.418	68.1	53.5	83
4		177	154	285.7	1.069	77.4	68.3	77	4		219	190	317.5	1.466	77.4	68.3	79
5		213	194	246.7	1.064	80.6	74.6	74	5		263	239	274.2	1.460	80.6	74.6	77
6		230	215	204.2	0.988	77.5	73.9	72	6		284	266	226.9	1.355	77.5	73.9	74
1	550	100	39	483.5	1.732	45.8	18.1	87	1	600	119	46	527.4	2.248	45.8	18.1	89
2		134	80	452.5	1.789	55.5	33.6	86	2		160	95	493.7	2.323	55.5	33.6	88
3		195	151	402.2	1.887	68.1	53.5	85	3		233	180	438.8	2.450	68.1	53.5	87
4		265	230	349.2	1.952	77.4	68.3	81	4		315	273	381.0	2.534	77.4	68.3	83
5		318	290	301.6	1.943	80.6	74.6	79	5		379	345	329.0	2.522	80.6	74.6	81
6		344	322	249.5	1.803	77.5	73.9	77	6		409	383	272.2	2.341	77.5	73.9	79
1	650	140	55	571.4	2.858	45.8	18.1	91	1	700	162	63	615.3	3.570	45.8	18.1	92
2		187	111	534.8	2.953	55.5	33.6	89	2		217	129	576.0	3.688	55.5	33.6	91
3		273	211	475.4	3.114	68.1	53.5	89	3		317	245	511.9	3.890	68.1	53.5	90
4		370	321	412.7	3.221	77.4	68.3	85	4		429	372	444.5	4.023	77.4	68.3	87
5		444	404	356.4	3.206	80.6	74.6	83	5		515	469	383.8	4.004	80.6	74.6	84
6		480	450	294.9	2.976	77.5	73.9	80	6		556	521	317.6	3.717	77.5	73.9	82
1	800	212	83	703.2	5.328	45.8	18.1	95	1	900	268	105	791.1	7.586	45.8	18.1	98
2		284	169	658.3	5.505	55.5	33.6	94	2		359	214	740.6	7.838	55.5	33.6	97
3		413	320	585.1	5.806	68.1	53.5	93	3		523	404	658.2	8.267	68.1	53.5	96
4		561	486	508.0	6.005	77.4	68.3	90	4		710	615	571.5	8.549	77.4	68.3	92
5		673	613	438.7	5.977	80.6	74.6	87	5		852	775	493.5	8.510	80.6	74.6	90
6		727	681	363.0	5.549	77.5	73.9	85	6		920	862	408.4	7.900	77.5	73.9	88
1	1000	331	129	879.1	10.406	45.8	18.1	101	1	1100	401	156	967.0	13.851	45.8	18.1	103
2		443	264	822.9	10.751	55.5	33.6	100	2		536	319	905.1	14.310	55.5	33.6	102
3		646	499	731.4	11.339	68.1	53.5	99	3		782	604	804.5	15.093	68.1	53.5	101
4		876	759	635.0	11.727	77.4	68.3	95	4		1060	918	698.5	15.609	77.4	68.3	97
5		1051	957	548.4	11.673	80.6	74.6	92	5		1272	1158	603.2	15.537	80.6	74.6	95
6		1136	1064	453.8	10.836	77.5	73.9	91	6		1374	1287	499.1	14.423	77.5	73.9	93
1	1200	477	186	1054.9	17.982	45.8	18.1	105	1	1300	560	218	1142.8	22.862	45.8	18.1	107
2		638	380	987.4	18.578	55.5	33.6	104	2		749	446	1069.7	23.620	55.5	33.6	106
3		930	719	877.6	19.594	68.1	53.5	103	3		1092	844	950.8	24.912	68.1	53.5	105
4		1262	1093	762.0	20.265	77.4	68.3	100	4		1481	1283	825.5	25.765	77.4	68.3	102
5		1514	1378	658.0	20.171	80.6	74.6	97	5		1777	1618	712.9	25.646	80.6	74.6	99
6		1635	1532	544.5	18.725	77.5	73.9	96	6		1919	1798	589.9	23.807	77.5	73.9	98
1	1400	650	253	1230.7	28.555	45.8	18.1	109	1	1600	849	330	1406.5	42.623	45.8	18.1	113
2		869	517	1152.0	29.501	55.5	33.6	109	2		1135	675	1316.6	44.037	55.5	33.6	112
3		1266	979	1023.9	31.115	68.1	53.5	108	3		1654	1278	1170.2	46.445	68.1	53.5	111
4		1717	1488	889.0	32.179	77.4	68.3	104	4		2243	1943	1016.0	48.034	77.4	68.3	108
5		2061	1876	767.7	32.031	80.6	74.6	101	5		2692	2451	877.4	47.813	80.6	74.6	105
6		2226	2085	635.3	29.734	77.5	73.9	100	6		2907	2724	726.0	44.385	77.5	73.9	104
1	1800	1074	418	1582.3	60.688	45.8	18.1	117									
2		1436	854	1481.2	62.700	55.5	33.6	116									
3		2093	1618	1316.5	66.130	68.1	53.5	115									
4		2839	2459	1143.0	68.392	77.4	68.3	112									
5		3407	3101	987.1	68.077	80.6	74.6	109									
6		3679	3447	816.8	63.196	77.5	73.9	108									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 900

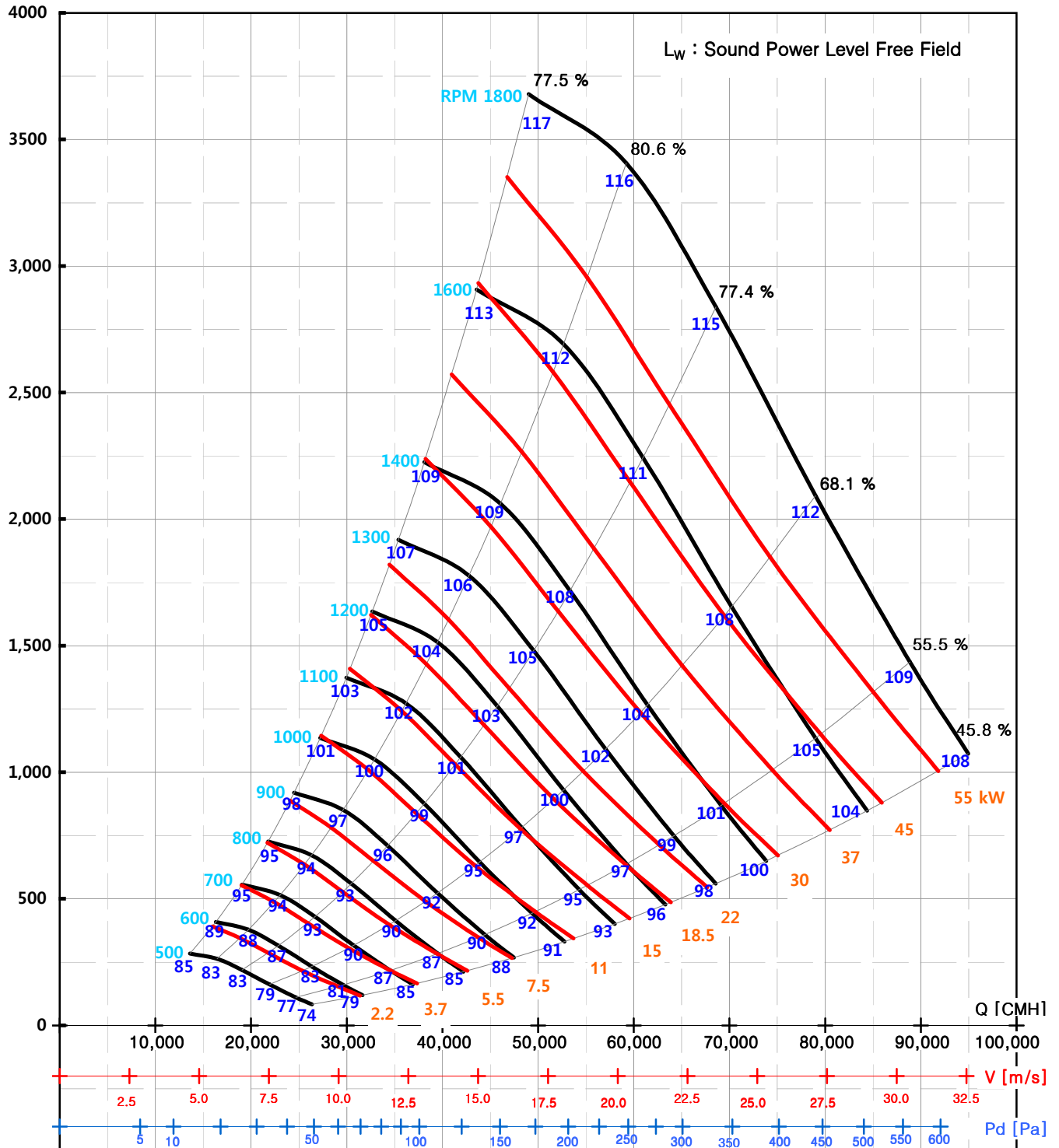
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	850 mm
Number of Blades	z	10 ea
Max Fan RPM	n	1800 min-1

Max Shaft Power	L	68 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 935mm

Outlet Dim : 0.99 × 0.99 m

Outlet Area : 0.9801 m²

Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA	Det.	N	Pt	Ps	Q	H	EtaT	EtaS	LwiA
	[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]		[r/min]	[Pa]	[Pa]	[m ³ /min]	[kW]	[%]	[%]	[dB]
1	400	64	25	468.0	1.073	45.8	18.1	82	1	450	81	32	526.5	1.528	45.8	18.1	85
2		86	51	438.1	1.109	55.5	33.6	81	2		109	65	492.8	1.578	55.5	33.6	84
3		125	97	389.3	1.169	68.1	53.5	80	3		158	122	438.0	1.665	68.1	53.5	83
4		170	147	338.0	1.209	77.4	68.3	77	4		215	186	380.3	1.722	77.4	68.3	80
5		204	185	291.9	1.204	80.6	74.6	74	5		258	235	328.4	1.714	80.6	74.6	77
6		220	206	241.6	1.117	77.5	73.9	72	6		278	261	271.8	1.591	77.5	73.9	75
1	500	100	39	585.0	2.095	45.8	18.1	88	1	550	121	47	643.5	2.789	45.8	18.1	90
2		134	80	547.6	2.165	55.5	33.6	86	2		162	97	602.4	2.881	55.5	33.6	88
3		195	151	486.7	2.283	68.1	53.5	86	3		236	183	535.4	3.039	68.1	53.5	88
4		265	230	422.5	2.361	77.4	68.3	82	4		321	278	464.8	3.143	77.4	68.3	84
5		318	290	364.9	2.350	80.6	74.6	80	5		385	350	401.4	3.128	80.6	74.6	82
6		344	322	302.0	2.182	77.5	73.9	77	6		416	389	332.2	2.904	77.5	73.9	79
1	600	144	56	702.0	3.620	45.8	18.1	92	1	650	169	66	760.5	4.603	45.8	18.1	93
2		193	115	657.1	3.740	55.5	33.6	90	2		227	135	711.9	4.756	55.5	33.6	92
3		281	218	584.0	3.945	68.1	53.5	90	3		330	255	632.7	5.016	68.1	53.5	91
4		382	331	507.1	4.080	77.4	68.3	86	4		448	388	549.3	5.187	77.4	68.3	88
5		458	417	437.9	4.061	80.6	74.6	84	5		538	489	474.4	5.163	80.6	74.6	86
6		495	463	362.4	3.770	77.5	73.9	81	6		581	544	392.6	4.793	77.5	73.9	83
1	700	197	77	819.0	5.749	45.8	18.1	95	1	750	226	88	877.5	7.071	45.8	18.1	97
2		263	156	766.6	5.939	55.5	33.6	94	2		302	179	821.4	7.305	55.5	33.6	96
3		383	296	681.4	6.264	68.1	53.5	93	3		440	340	730.1	7.705	68.1	53.5	95
4		519	450	591.6	6.479	77.4	68.3	90	4		596	517	633.8	7.968	77.4	68.3	91
5		623	568	510.9	6.449	80.6	74.6	87	5		716	652	547.4	7.932	80.6	74.6	89
6		673	631	422.8	5.986	77.5	73.9	85	6		773	724	453.0	7.363	77.5	73.9	87
1	800	257	100	936.0	8.581	45.8	18.1	98	1	900	325	126	1053.0	12.218	45.8	18.1	101
2		343	204	876.2	8.866	55.5	33.6	97	2		434	258	985.7	12.623	55.5	33.6	100
3		500	387	778.7	9.350	68.1	53.5	96	3		633	489	876.1	13.313	68.1	53.5	99
4		678	588	676.1	9.670	77.4	68.3	93	4		859	744	760.6	13.769	77.4	68.3	95
5		814	741	583.9	9.626	80.6	74.6	90	5		1031	938	656.9	13.705	80.6	74.6	93
6		879	824	483.2	8.936	77.5	73.9	88	6		1113	1043	543.6	12.723	77.5	73.9	91
1	1000	401	156	1170.0	16.759	45.8	18.1	104	1	1100	485	189	1287.0	22.307	45.8	18.1	106
2		536	319	1095.2	17.315	55.5	33.6	103	2		649	386	1204.8	23.046	55.5	33.6	105
3		782	604	973.4	18.262	68.1	53.5	101	3		946	731	1070.8	24.307	68.1	53.5	104
4		1060	918	845.1	18.887	77.4	68.3	98	4		1283	1111	929.7	25.138	77.4	68.3	100
5		1272	1158	729.9	18.800	80.6	74.6	95	5		1539	1401	802.9	25.023	80.6	74.6	98
6		1374	1287	604.0	17.452	77.5	73.9	94	6		1663	1558	664.4	23.228	77.5	73.9	96
1	1200	578	225	1404.0	28.960	45.8	18.1	108	1	1400	786	306	1638.1	45.987	45.8	18.1	112
2		772	459	1314.3	29.920	55.5	33.6	107	2		1051	625	1533.3	47.512	55.5	33.6	111
3		1126	870	1168.1	31.556	68.1	53.5	106	3		1532	1184	1362.8	50.110	68.1	53.5	110
4		1527	1323	1014.2	32.636	77.4	68.3	103	4		2078	1800	1183.2	51.825	77.4	68.3	107
5		1832	1668	875.9	32.486	80.6	74.6	100	5		2494	2270	1021.8	51.586	80.6	74.6	104
6		1979	1854	724.8	30.157	77.5	73.9	99	6		2693	2523	845.6	47.887	77.5	73.9	103
1	1600	1027	400	1872.1	68.645	45.8	18.1	116									
2		1373	817	1752.4	70.921	55.5	33.6	115									
3		2001	1547	1557.5	74.800	68.1	53.5	114									
4		2714	2351	1352.2	77.359	77.4	68.3	111									
5		3257	2965	1167.8	77.003	80.6	74.6	108									
6		3518	3296	966.4	71.482	77.5	73.9	107									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 1000

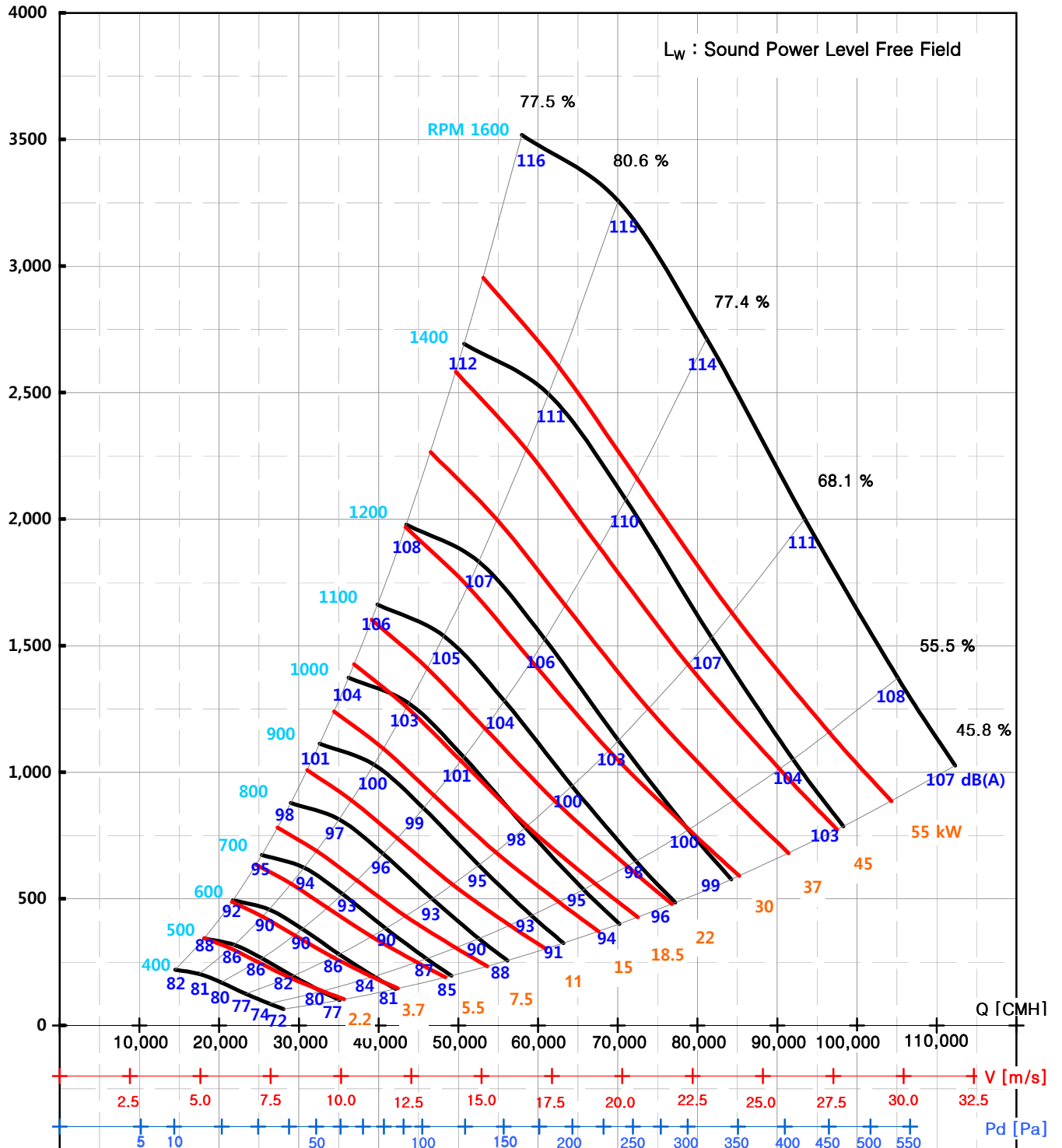
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	935 mm
Number of Blades	z	10 ea
Max Fan RPM	n	1600 min-1

Max Shaft Power	L	77 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 1050mm

Outlet Dim : 1.12 × 1.12 m

Outlet Area : 1.2544 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m ³ /min]	H [kW]	EtaT [%]	EtaS [%]	LwiA [dB]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m ³ /min]	H [kW]	EtaT [%]	EtaS [%]	LwiA [dB]
1	350	62	24	579.9	1.284	45.8	18.1	82	1	400	81	32	662.8	1.916	45.8	18.1	86
2		83	49	542.9	1.326	55.5	33.6	81	2		108	64	620.4	1.980	55.5	33.6	84
3		121	93	482.5	1.399	68.1	53.5	81	3		158	122	551.4	2.088	68.1	53.5	84
4		164	142	418.9	1.447	77.4	68.3	77	4		214	185	478.7	2.159	77.4	68.3	80
5		197	179	361.8	1.440	80.6	74.6	75	5		257	234	413.4	2.149	80.6	74.6	78
6		212	199	299.3	1.337	77.5	73.9	72	6		277	260	342.1	1.995	77.5	73.9	75
1	450	102	40	745.6	2.728	45.8	18.1	89	1	500	126	49	828.5	3.742	45.8	18.1	91
2		137	81	698.0	2.818	55.5	33.6	87	2		169	101	775.5	3.866	55.5	33.6	90
3		200	154	620.4	2.973	68.1	53.5	87	3		246	190	689.3	4.077	68.1	53.5	89
4		271	235	538.6	3.074	77.4	68.3	83	4		334	290	598.4	4.217	77.4	68.3	86
5		325	296	465.1	3.060	80.6	74.6	81	5		401	365	516.8	4.198	80.6	74.6	83
6		351	329	384.9	2.841	77.5	73.9	78	6		433	406	427.7	3.897	77.5	73.9	81
1	550	153	60	911.4	4.980	45.8	18.1	93	1	600	182	71	994.2	6.466	45.8	18.1	95
2		205	122	853.1	5.146	55.5	33.6	92	2		243	145	930.6	6.680	55.5	33.6	94
3		298	231	758.2	5.427	68.1	53.5	91	3		355	274	827.2	7.045	68.1	53.5	93
4		404	350	658.3	5.613	77.4	68.3	88	4		481	417	718.1	7.287	77.4	68.3	90
5		485	442	568.5	5.587	80.6	74.6	85	5		578	526	620.2	7.253	80.6	74.6	87
6		524	491	470.4	5.186	77.5	73.9	83	6		624	584	513.2	6.733	77.5	73.9	85
1	650	214	83	1077.1	8.221	45.8	18.1	97	1	700	248	96	1159.9	10.267	45.8	18.1	99
2		286	170	1008.2	8.493	55.5	33.6	96	2		331	197	1085.8	10.608	55.5	33.6	97
3		417	322	896.1	8.958	68.1	53.5	95	3		483	373	965.0	11.188	68.1	53.5	97
4		565	489	778.0	9.264	77.4	68.3	91	4		655	568	837.8	11.570	77.4	68.3	93
5		678	617	671.9	9.221	80.6	74.6	89	5		786	716	723.6	11.517	80.6	74.6	91
6		732	686	556.0	8.560	77.5	73.9	87	6		849	796	598.7	10.691	77.5	73.9	89
1	750	285	111	1242.8	12.628	45.8	18.1	100	1	800	324	126	1325.6	15.326	45.8	18.1	102
2		380	226	1163.3	13.047	55.5	33.6	99	2		433	258	1240.9	15.834	55.5	33.6	101
3		555	429	1034.0	13.760	68.1	53.5	98	3		631	488	1102.9	16.700	68.1	53.5	100
4		752	652	897.7	14.231	77.4	68.3	95	4		856	741	957.5	17.271	77.4	68.3	96
5		903	822	775.3	14.166	80.6	74.6	92	5		1027	935	826.9	17.192	80.6	74.6	94
6		975	913	641.5	13.150	77.5	73.9	90	6		1109	1039	684.3	15.959	77.5	73.9	92
1	900	410	160	1491.3	21.821	45.8	18.1	105	1	1000	506	197	1657.1	29.932	45.8	18.1	107
2		548	326	1396.0	22.544	55.5	33.6	103	2		676	402	1551.1	30.925	55.5	33.6	106
3		799	617	1240.8	23.777	68.1	53.5	102	3		986	762	1378.6	32.616	68.1	53.5	105
4		1083	938	1077.2	24.591	77.4	68.3	99	4		1337	1158	1196.9	33.732	77.4	68.3	101
5		1300	1183	930.3	24.478	80.6	74.6	96	5		1604	1461	1033.7	33.577	80.6	74.6	99
6		1404	1315	769.8	22.723	77.5	73.9	95	6		1733	1623	855.4	31.169	77.5	73.9	97
1	1100	612	238	1822.8	39.840	45.8	18.1	110	1	1200	728	284	1988.5	51.723	45.8	18.1	112
2		818	487	1706.2	41.161	55.5	33.6	109	2		974	579	1861.3	53.438	55.5	33.6	111
3		1193	922	1516.5	43.412	68.1	53.5	107	3		1420	1097	1654.4	56.360	68.1	53.5	110
4		1618	1401	1316.6	44.897	77.4	68.3	104	4		1925	1668	1436.3	58.289	77.4	68.3	106
5		1941	1767	1137.1	44.691	80.6	74.6	101	5		2310	2103	1240.4	58.021	80.6	74.6	104
6		2097	1964	940.9	41.486	77.5	73.9	100	6		2495	2338	1026.4	53.860	77.5	73.9	102
1	1300	855	333	2154.2	65.761	45.8	18.1	114	1	1400	991	386	2319.9	82.134	45.8	18.1	116
2		1143	680	2016.5	67.941	55.5	33.6	113	2		1326	789	2171.6	84.857	55.5	33.6	115
3		1666	1288	1792.2	71.657	68.1	53.5	112	3		1932	1494	1930.1	89.498	68.1	53.5	114
4		2259	1957	1556.0	74.109	77.4	68.3	108	4		2620	2270	1675.7	92.560	77.4	68.3	110
5		2712	2469	1343.8	73.768	80.6	74.6	106	5		3145	2863	1447.2	92.134	80.6	74.6	108
6		2929	2744	1112.0	68.478	77.5	73.9	105	6		3396	3182	1197.5	85.528	77.5	73.9	107

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories). Power rating kW does not include transmission losses.

Curves TLA 1120

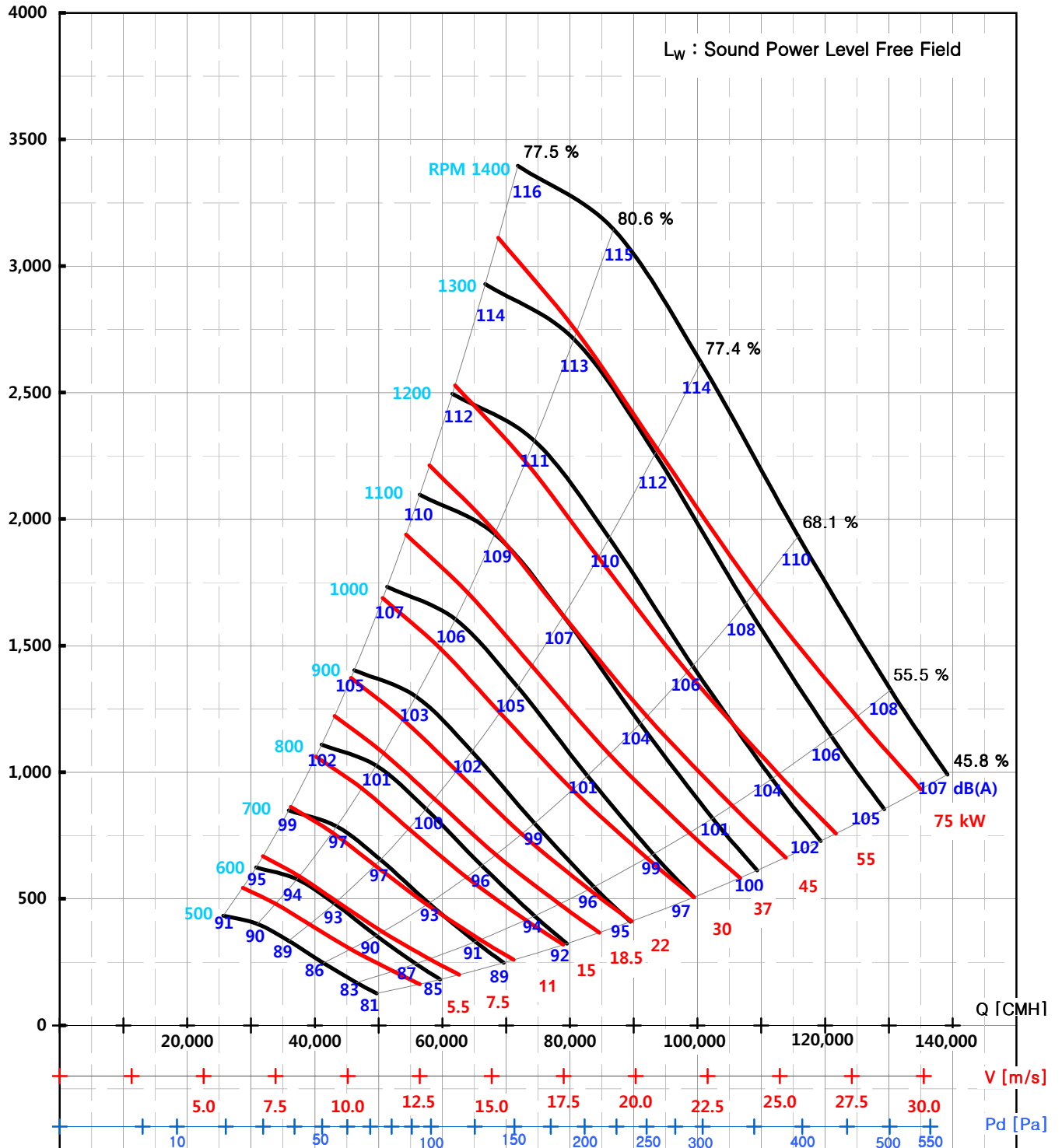
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	1050 mm
Number of Blades	z	10 ea
Max Fan RPM	n	1600 min-1

Max Shaft Power	L	77 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]



Wheel DIA. : 1170mm

Outlet Dim : 1.24 × 1.24 m

Outlet Area : 1.5376 m²

Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m ³ /min]	H [kW]	EtaT [%]	EtaS [%]	LwiA [dB]	Det.	N [r/min]	Pt [Pa]	Ps [Pa]	Q [m ³ /min]	H [kW]	EtaT [%]	EtaS [%]	LwiA [dB]
1	300	57	22	687.7	1.389	45.8	18.1	82	1	350	77	30	802.4	2.205	45.8	18.1	86
2		76	45	643.8	1.435	55.5	33.6	81	2		103	61	751.1	2.278	55.5	33.6	84
3		110	85	572.2	1.513	68.1	53.5	81	3		150	116	667.6	2.403	68.1	53.5	84
4		149	129	496.8	1.565	77.4	68.3	77	4		203	176	579.6	2.485	77.4	68.3	81
5		179	163	429.0	1.558	80.6	74.6	75	5		244	222	500.5	2.473	80.6	74.6	78
6		194	181	355.0	1.446	77.5	73.9	72	6		264	247	414.2	2.296	77.5	73.9	76
1	400	100	39	917.0	3.291	45.8	18.1	89	1	450	127	50	1031.6	4.686	45.8	18.1	92
2		134	80	858.4	3.400	55.5	33.6	88	2		170	101	965.7	4.841	55.5	33.6	90
3		196	151	762.9	3.586	68.1	53.5	87	3		248	192	858.3	5.106	68.1	53.5	90
4		266	230	662.4	3.709	77.4	68.3	84	4		336	291	745.2	5.281	77.4	68.3	86
5		319	290	572.0	3.692	80.6	74.6	81	5		403	367	643.5	5.256	80.6	74.6	84
6		344	323	473.3	3.427	77.5	73.9	79	6		436	408	532.5	4.880	77.5	73.9	81
1	500	157	61	1146.3	6.428	45.8	18.1	94	1	550	190	74	1260.9	8.555	45.8	18.1	97
2		210	125	1073.0	6.641	55.5	33.6	93	2		254	151	1180.3	8.839	55.5	33.6	95
3		306	237	953.7	7.004	68.1	53.5	93	3		370	286	1049.1	9.322	68.1	53.5	95
4		415	360	828.0	7.244	77.4	68.3	89	4		502	435	910.8	9.641	77.4	68.3	91
5		498	453	715.1	7.210	80.6	74.6	87	5		603	549	786.6	9.597	80.6	74.6	89
6		538	504	591.7	6.693	77.5	73.9	84	6		651	610	650.9	8.909	77.5	73.9	86
1	600	226	88	1375.5	11.107	45.8	18.1	98	1	650	265	103	1490.2	14.121	45.8	18.1	100
2		302	180	1287.6	11.475	55.5	33.6	97	2		355	211	1394.9	14.589	55.5	33.6	99
3		441	341	1144.4	12.103	68.1	53.5	97	3		517	400	1239.8	15.387	68.1	53.5	98
4		598	518	993.6	12.517	77.4	68.3	93	4		701	608	1076.4	15.914	77.4	68.3	95
5		717	653	858.1	12.459	80.6	74.6	91	5		842	766	929.6	15.841	80.6	74.6	92
6		775	726	710.0	11.566	77.5	73.9	88	6		909	852	769.2	14.705	77.5	73.9	90
1	700	308	120	1604.8	17.637	45.8	18.1	102	1	750	353	138	1719.4	21.693	45.8	18.1	104
2		412	245	1502.2	18.222	55.5	33.6	101	2		472	281	1609.5	22.412	55.5	33.6	102
3		600	464	1335.2	19.218	68.1	53.5	100	3		689	532	1430.5	23.638	68.1	53.5	102
4		813	705	1159.2	19.876	77.4	68.3	96	4		934	809	1242.0	24.446	77.4	68.3	98
5		976	889	1001.1	19.784	80.6	74.6	94	5		1121	1020	1072.6	24.334	80.6	74.6	96
6		1054	988	828.4	18.366	77.5	73.9	92	6		1210	1134	887.6	22.589	77.5	73.9	94
1	800	402	156	1834.1	26.327	45.8	18.1	105	1	900	509	198	2063.3	37.485	45.8	18.1	108
2		537	320	1716.8	27.200	55.5	33.6	104	2		680	405	1931.4	38.727	55.5	33.6	107
3		783	606	1525.9	28.687	68.1	53.5	103	3		991	766	1716.7	40.845	68.1	53.5	106
4		1062	920	1324.8	29.669	77.4	68.3	99	4		1345	1165	1490.4	42.243	77.4	68.3	102
5		1275	1161	1144.1	29.532	80.6	74.6	97	5		1614	1469	1287.1	42.048	80.6	74.6	100
6		1377	1290	946.7	27.415	77.5	73.9	95	6		1743	1633	1065.1	39.033	77.5	73.9	98
1	1000	628	245	2292.6	51.419	45.8	18.1	110	1	1100	760	296	2521.9	68.438	45.8	18.1	113
2		840	500	2146.0	53.124	55.5	33.6	109	2		1016	605	2360.6	70.707	55.5	33.6	112
3		1224	946	1907.4	56.029	68.1	53.5	108	3		1481	1145	2098.2	74.575	68.1	53.5	111
4		1660	1438	1656.0	57.946	77.4	68.3	105	4		2009	1740	1821.6	77.126	77.4	68.3	107
5		1992	1814	1430.2	57.679	80.6	74.6	102	5		2411	2194	1573.2	76.771	80.6	74.6	105
6		2152	2016	1183.4	53.544	77.5	73.9	100	6		2603	2439	1301.8	71.266	77.5	73.9	103
1	1200	904	352	2751.1	88.851	45.8	18.1	115									
2		1209	719	2575.3	91.797	55.5	33.6	114									
3		1763	1362	2288.9	96.818	68.1	53.5	113									
4		2390	2071	1987.2	100.131	77.4	68.3	109									
5		2869	2612	1716.2	99.670	80.6	74.6	107									
6		3098	2903	1420.1	92.523	77.5	73.9	106									

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating kW does not include transmission losses.

Curves TLA 1250

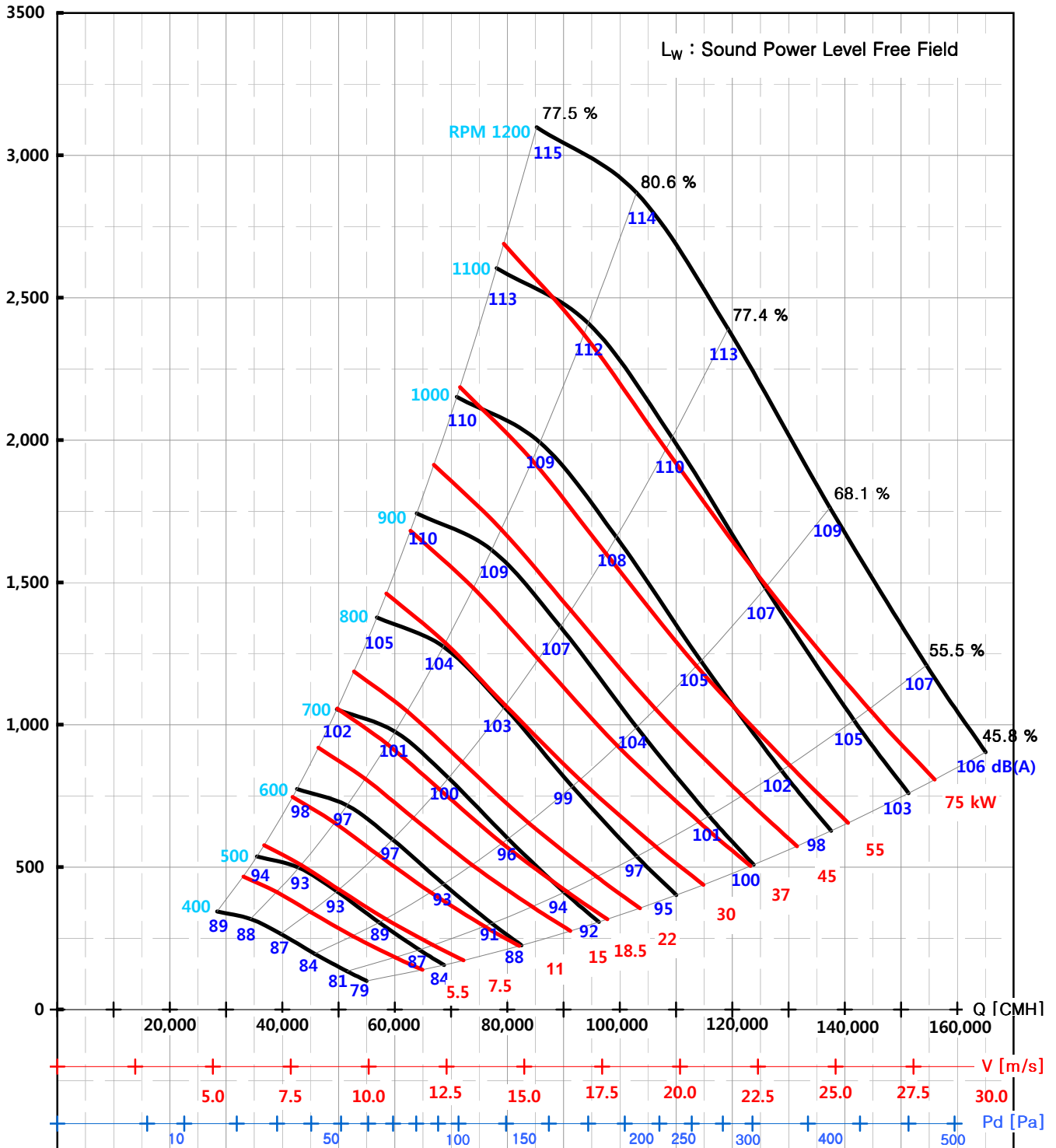
performance certified is for installation type B - free inlet, ducted outlet.

Performance Data

Impeller Diameter	D	1170 mm
Number of Blades	z	10 ea
Max Fan RPM	n	1200 min-1

Max Shaft Power	L	80 kW
Density	ρ	1.2 kg/m ³
Temperature	T	20 °C

Pt [Pa]





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