



TAE带式传动空调风机

前倾公制叶轮、双进风
带式传动

TAE Series
DWDI, Forward Blades
CENTRIFUGAL FAN

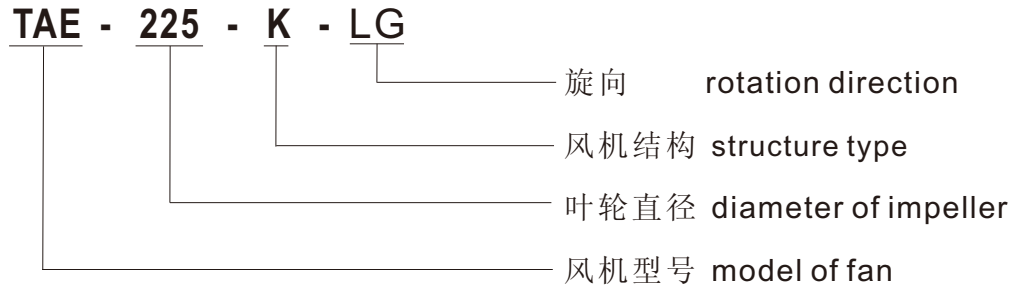


广东肇庆德通有限公司
Guangdong Zhaoqing Deton Company Ltd.
June 2022



Guangdong Zhaoqing Deton Company Ltd. certifies that the TAE series for model TAE 315, TAE400 to TAE710 and TAE900 shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

产品命名方式 Designation of Products



产品特征 Technical specification

- 叶轮:** 叶轮采用前弯多翼式设计, 具有效率高、低噪声的特点。叶轮全部用镀锌板冲压而成, 具有使用寿命高的特点。

Wheel: The impeller of TAE have forward curved muti-blades in order to obtain max,efficiency and low noise level. The impeller is manufactured in galvanized steel.
- 机壳:** 机壳采用优质热镀锌钢板制成, 侧板采用数控激光切割而成保证高精度的型线。侧板与涡板之间采用碰焊工艺连接。

Scroll: made of high grade galvanized steelsheet, and it is cutted by laser-cutting machine with high quality.
- 框架:** 框架采用折边角钢焊接或TOX铆接而成。

Frame: made of galvanized angle sections steel .
- 轴承:** 轴承采用优质调心滚珠轴承。

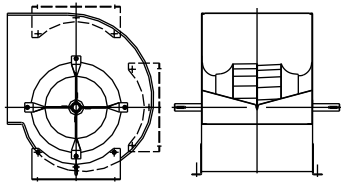
Bearing: out-spherial ball bearing are used in TAE
- 主轴:** 主轴采用优质45号钢精加工而成, 确保主轴的尺寸及行位公差。每根主轴都经过防锈处理。

Shaft: the shaft is made of C45 carbon steel with high tolerance levels.shaft is provided corrosion resistance.
- 平衡:** 每个叶轮在装配前都经过动平衡, 平衡精度满足ISO1940 和AMCA204 标准中G4.0标准。

Balance: all wheel are statically and dynamically balanced to ISO1940 and AMCA 204-G4.0 standard.

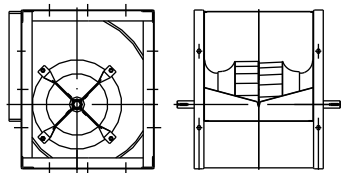
注: 本系列风机另有TAE160、TAE180的产品数据资料可供索取。

产品形式 Type of product



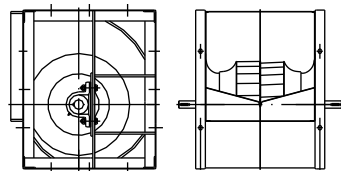
D式风机：风机用地脚板支撑。轴承使用冲压支撑件安装。用于较轻载荷。

D type fan. Is supported with mounting feet and can mounted in three different orientations. It is used with very light load.



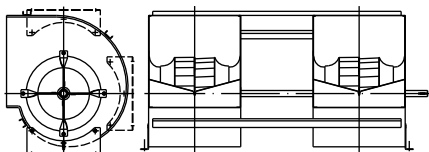
K式风机：风机用框架支撑。轴承使用冲压支撑件安装。用于轻载荷。

K type fan. Is supported with frames and can mounted in four different orientations. It is used with light load.



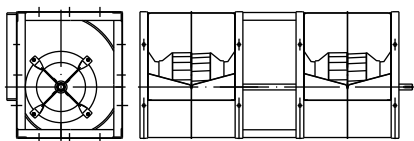
H式风机：风机用重型框架支撑。轴承使用带座轴承。用于正常载荷。

H type fan. Is supported with strong frames and can mounted in four different orientations. It is used with normal load.



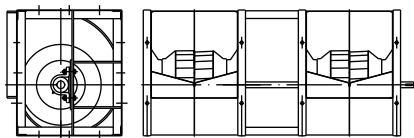
2D式双风机：双风机地脚板支撑, 两台单机共用一根主轴。轴承用支撑条安装。用于较轻载荷。

2D type twin fan. Is supported with with mounting feet. It is used with very light load.



2K式双风机：风机用框架支撑, 两台单机共用一根主轴。轴承用支撑条安装。用于轻载荷。

2K type fan. Is supported with frames and can mounted in four different orientations. It is used with light load.



2H式双风机：双风机用重型框架支撑, 两台单机共用一根主轴。轴承使用带座轴承。用于重载荷。

2H type twin fan. Is supported with strong frames and can mounted in four different orientations. It is used with heavy load.

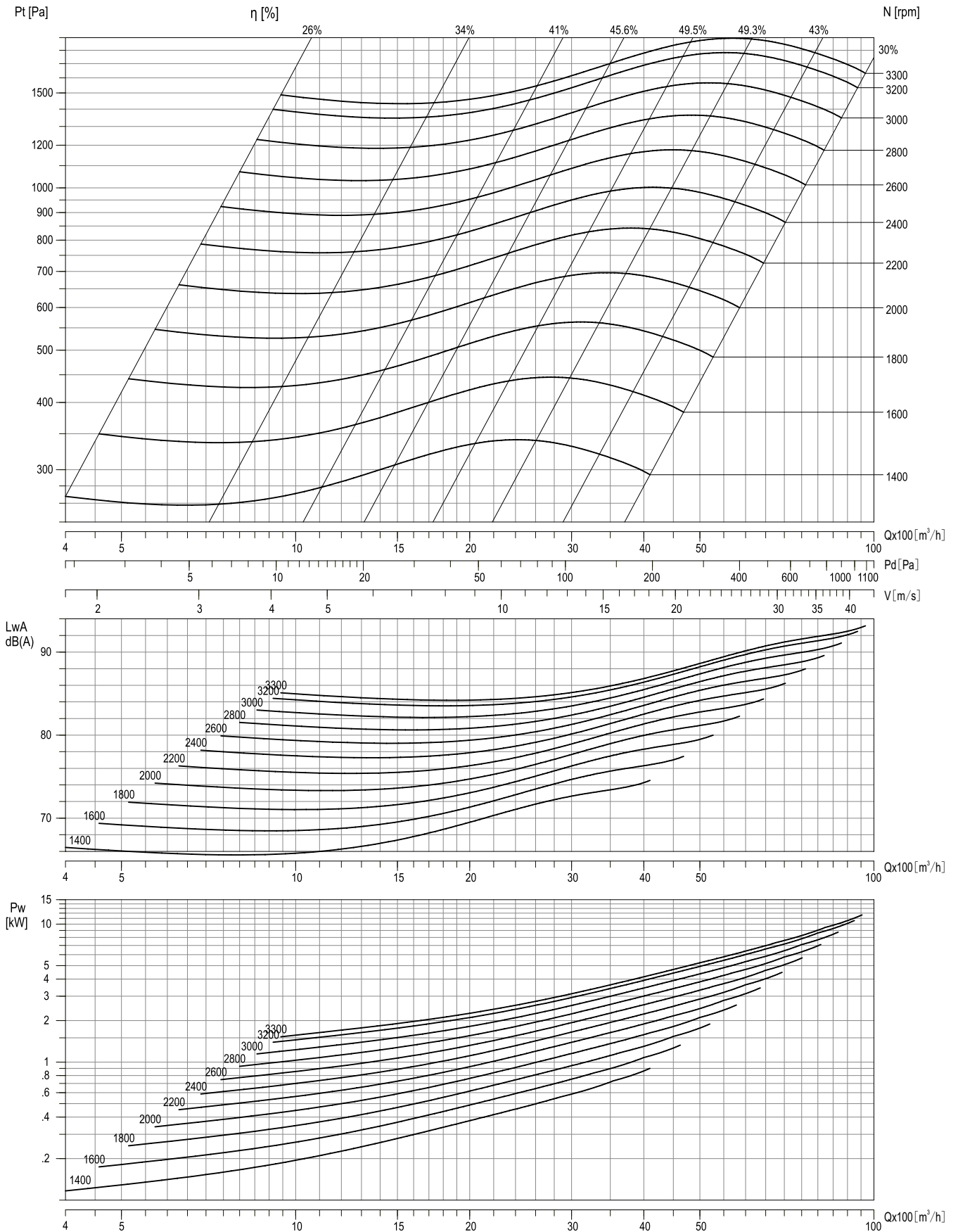
运转极限Operational limits

	Type		200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000
最大功率 Max. power	D-K	kW	2.5	3	3	4	5.5	5.5	7.5	7.5	11	11					
	H	kW			6	8	11	11	15	15	18.5	22	22	22	25	30	37
	2D/2K	kW			5.5	8	8	10	11	11	13						
	2H	kW						18.5	18.5	18.5	22	22	22				
最高转速 Max. speed	D-K	rpm	2600	2500	2400	2000	1900	1500	1200	1100	1000	900					
	H	rpm			2900	2400	2100	1800	1600	1400	1200	1100	900	800	750	650	600
	2D/2K	rpm			2200	1800	1700	1300	1000	800	700						
	2H	rpm						1500	1200	1000	900	800	600				
极限温度 最低-20℃ Temp. range min.-20℃	D-K	Max.℃	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
	H	Max.℃			100	100	100	100	100	100	100	100	100	100	100	100	100
	2D/2K	Max.℃			85	85	85	85	85	85	85						
	2H	Max.℃						100	100	100	100	100	100				
风机重量 Fan weight	D	kg	9	11	12	17	21.5	27.5	36	49	68	78					
	K	kg			15	20	23.5	31.5	40	52	73	86					
	H	kg			21	27	29.5	44.5	54	62	80	103	133	185	233	286	333
	2D	kg			25	35	44	58	75	102	142						
	2K	kg			32	43	51	67	86	110	153						
	2H	kg						115	143	168	205	259	320				



TAE200

Air Density: 1.2 kg/m³



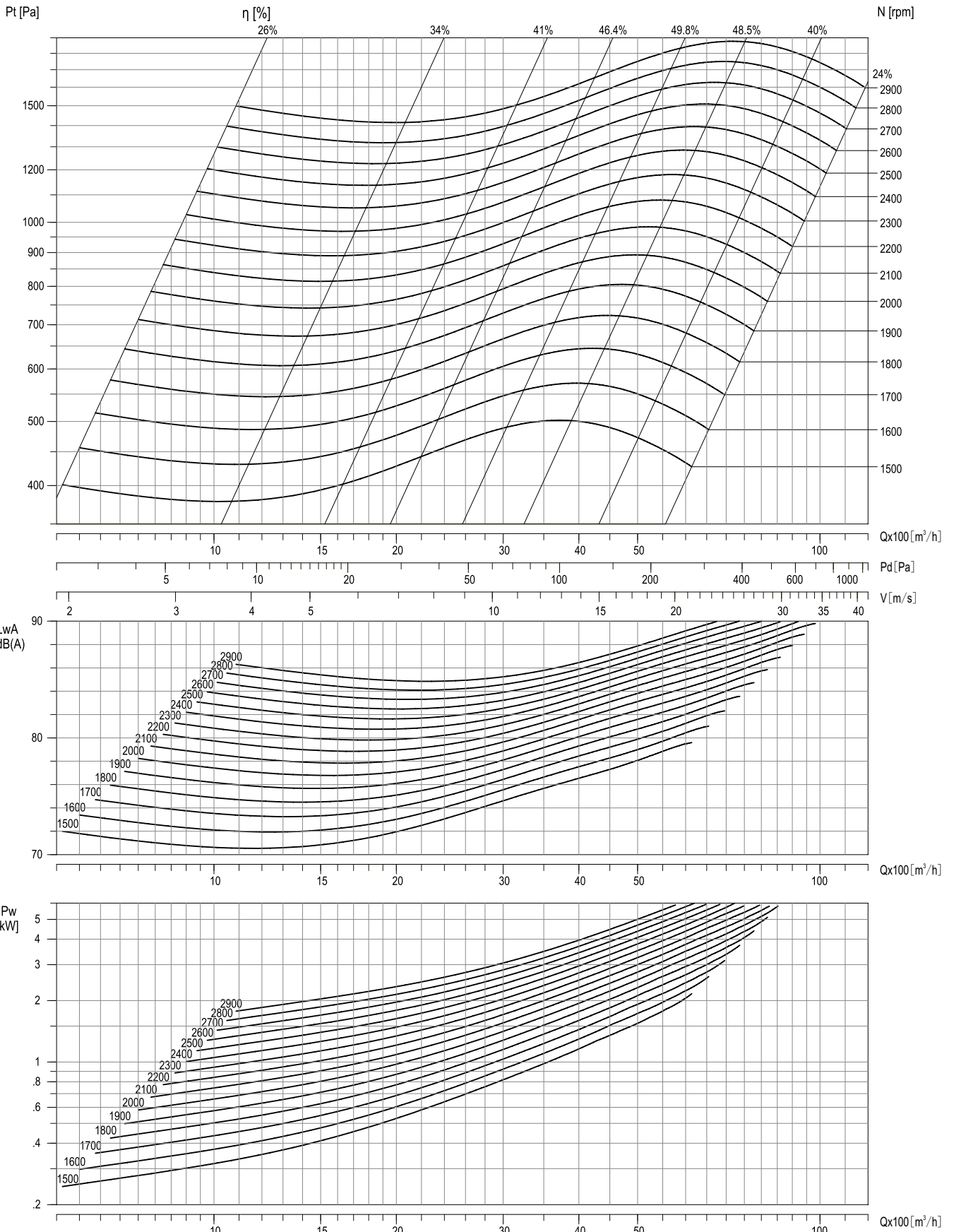
Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for Installation type B: free inlet, ducted outlet.

MODEL TAE200 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.



TAE225

Air Density: 1.2 kg/m³



Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for Installation type B: free inlet, ducted outlet.

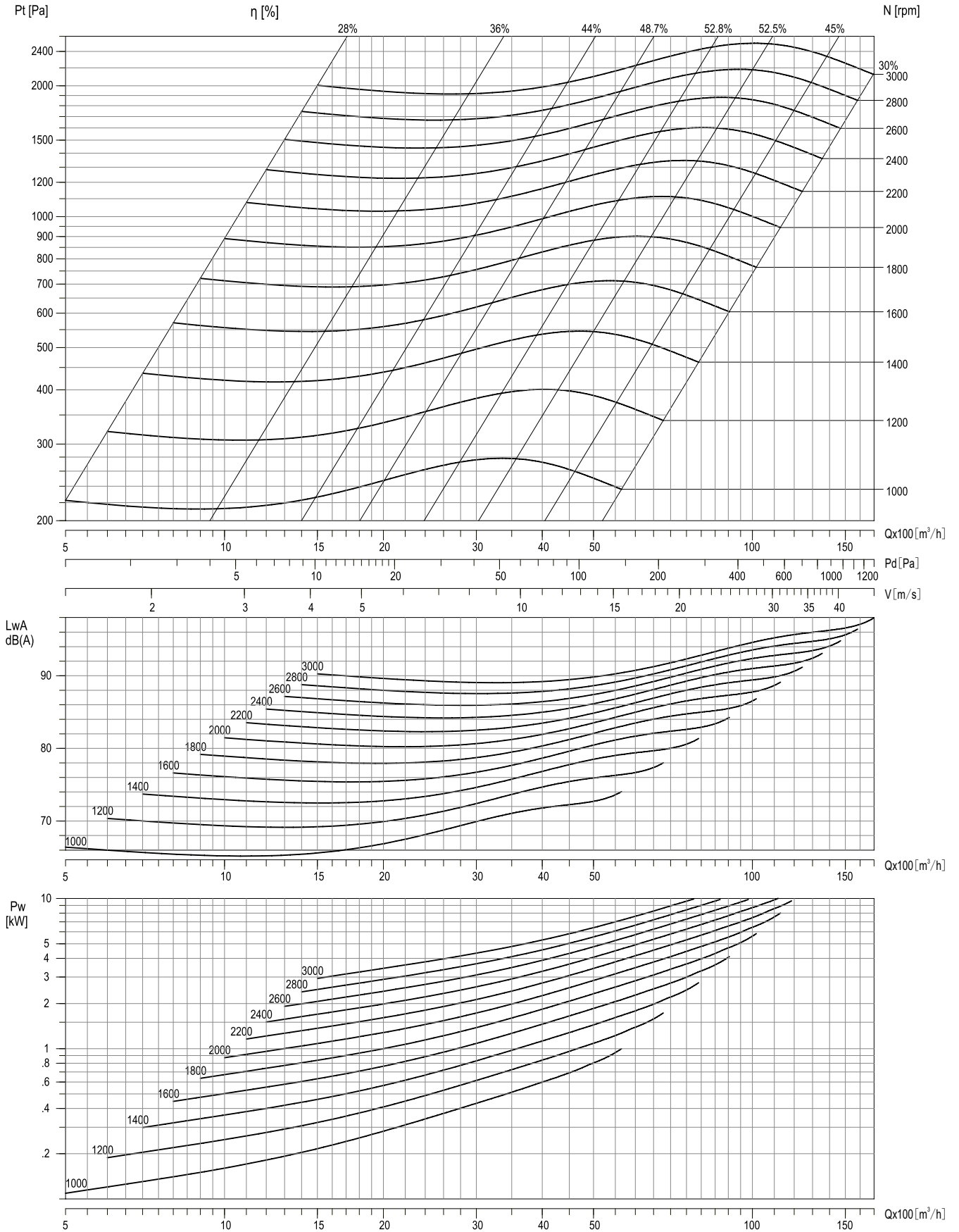
MODEL TAE225 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.



TAE系列前倾空调风机

TAE250

Air Density: 1.2 kg/m³

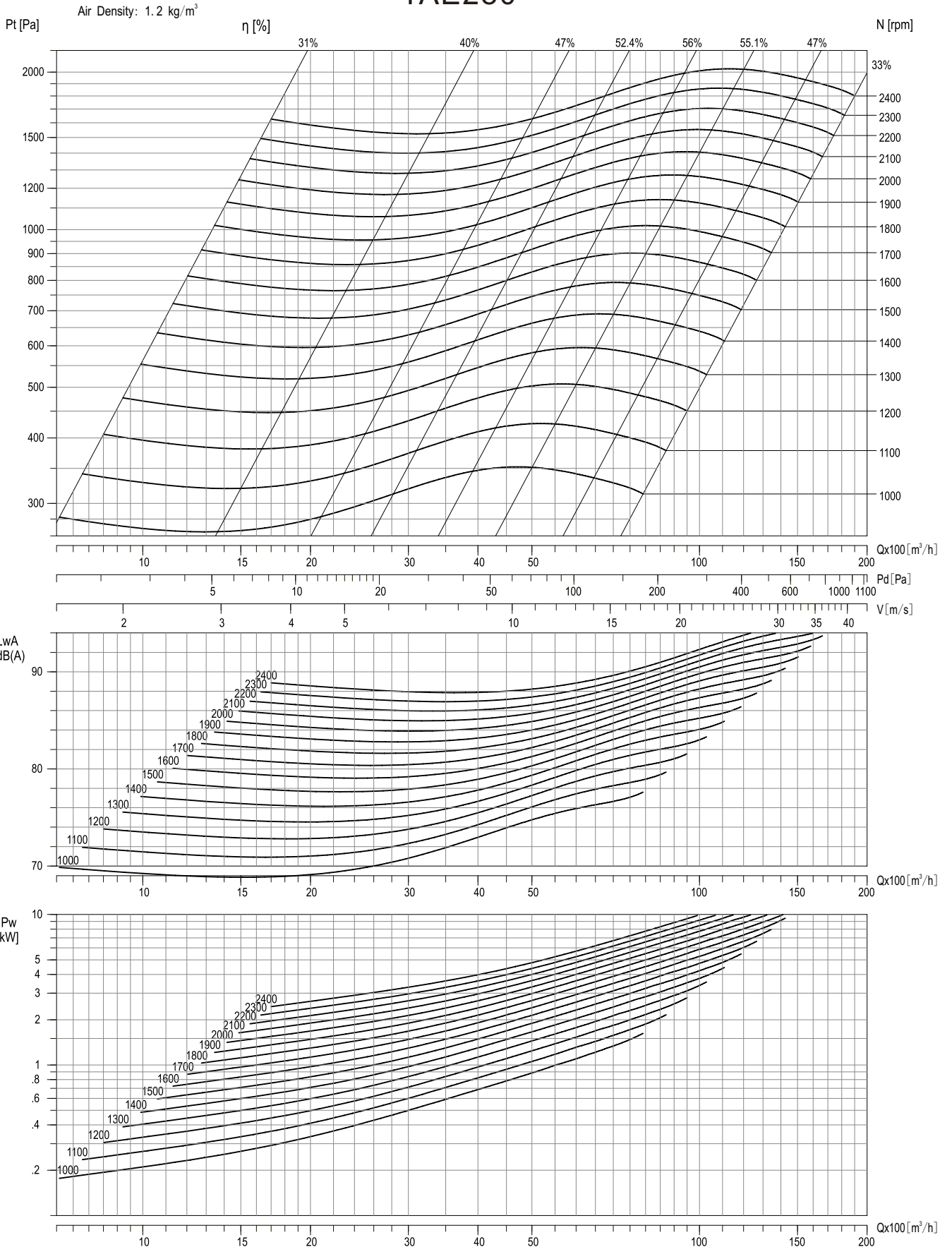


Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for Installation type B: free inlet, ducted outlet.

MODEL TAE250 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.



TAE280



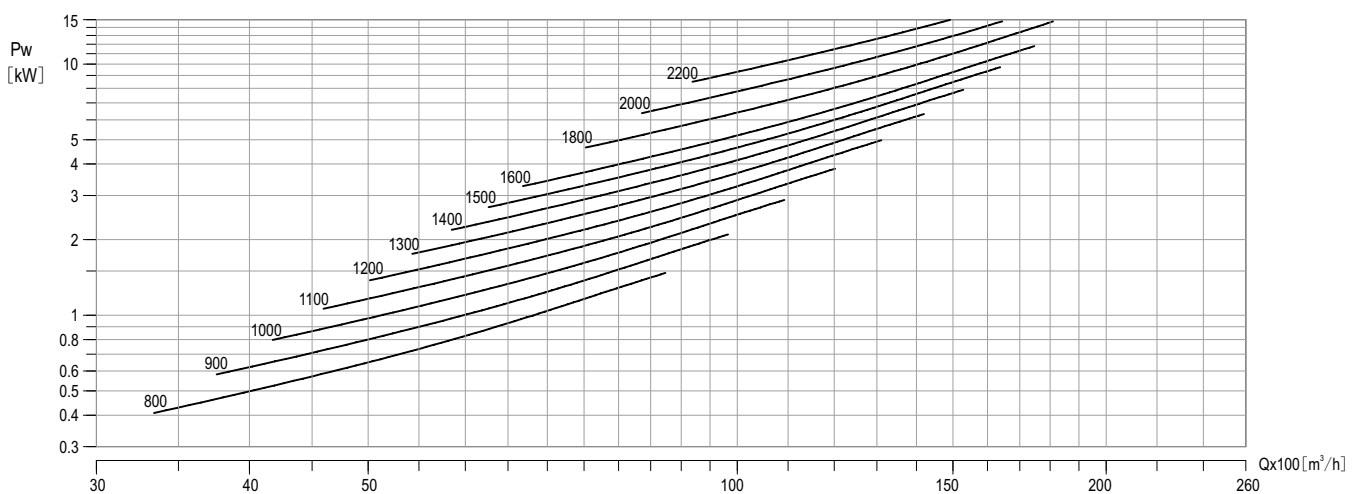
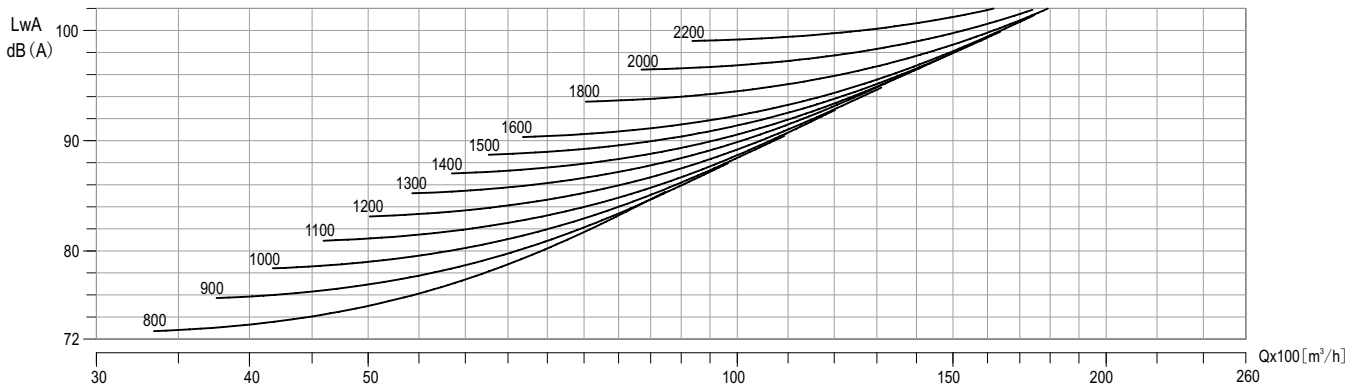
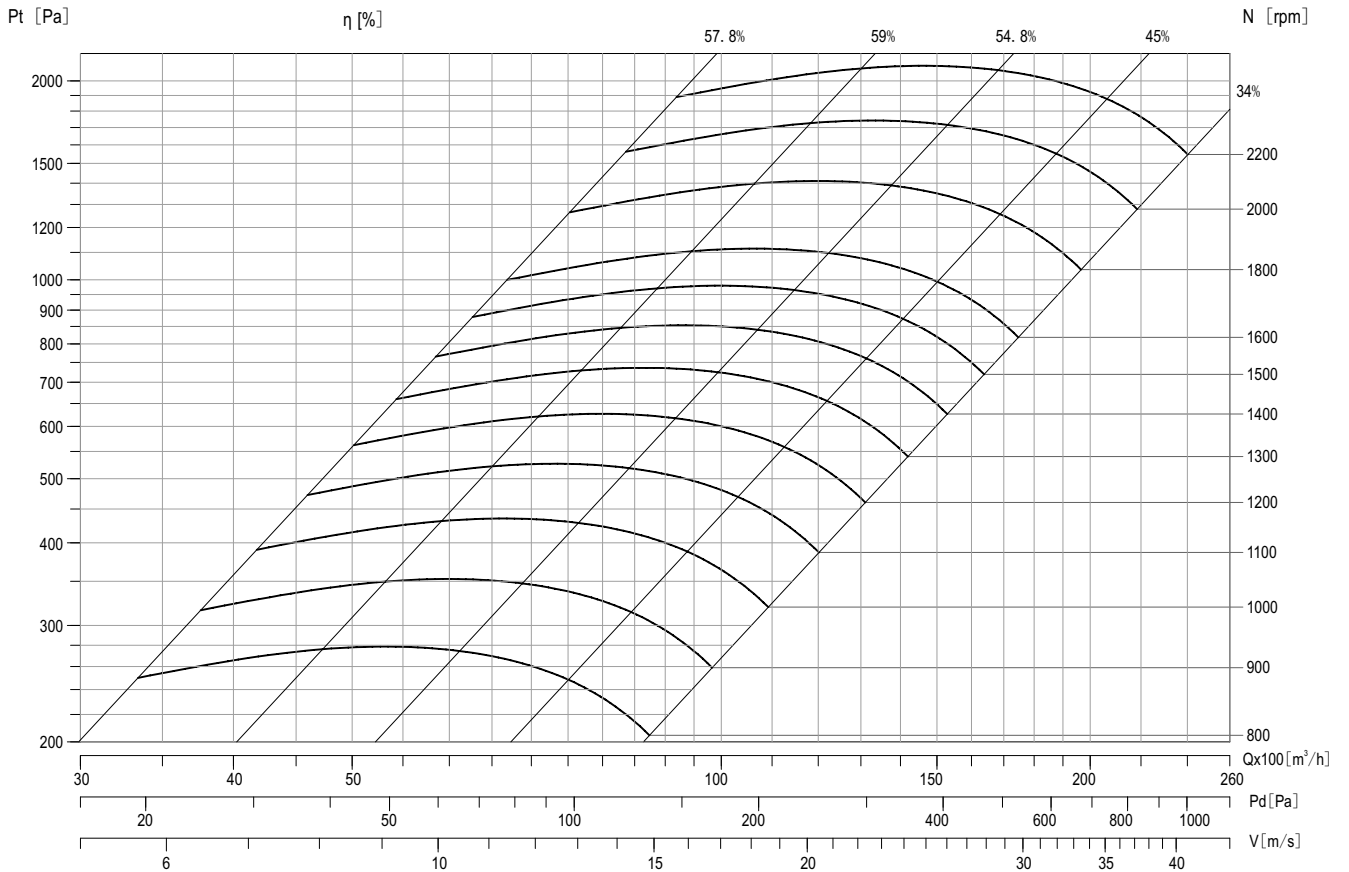
Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for Installation type B: free inlet, ducted outlet.

MODEL TAE280 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.



TAE315

Air Density: 1.2 kg/m³

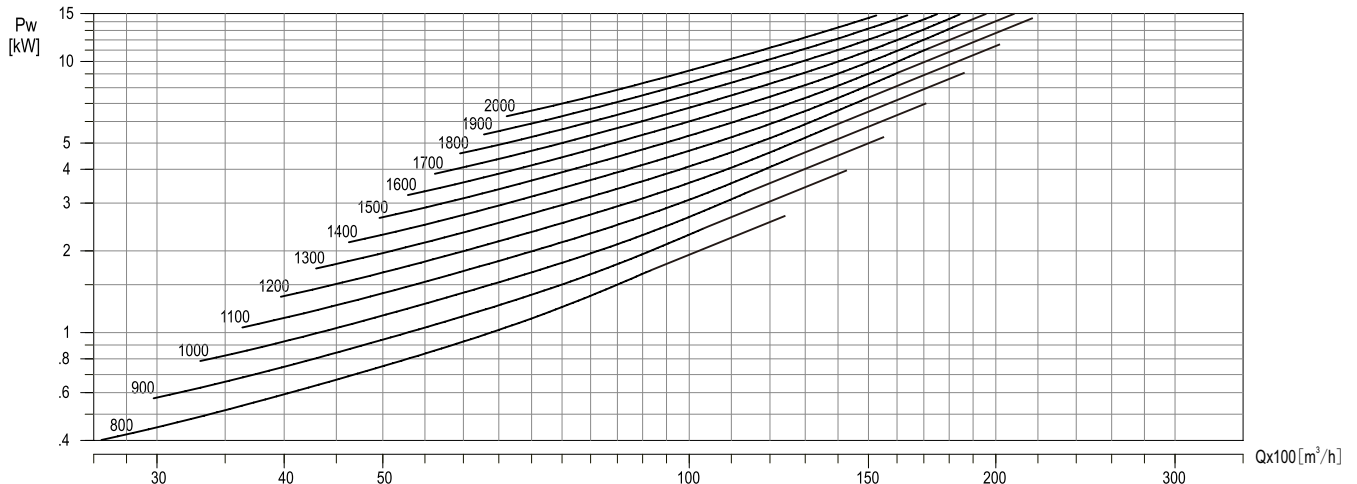
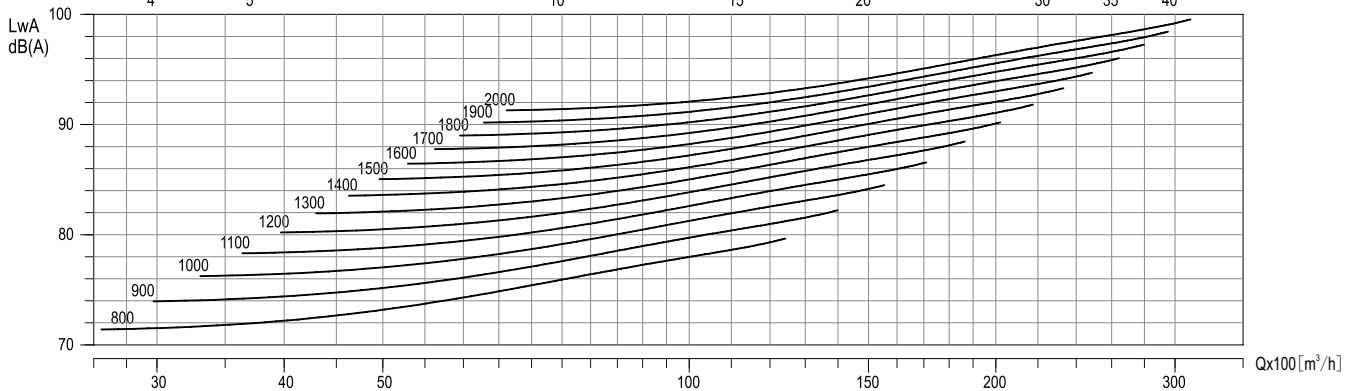
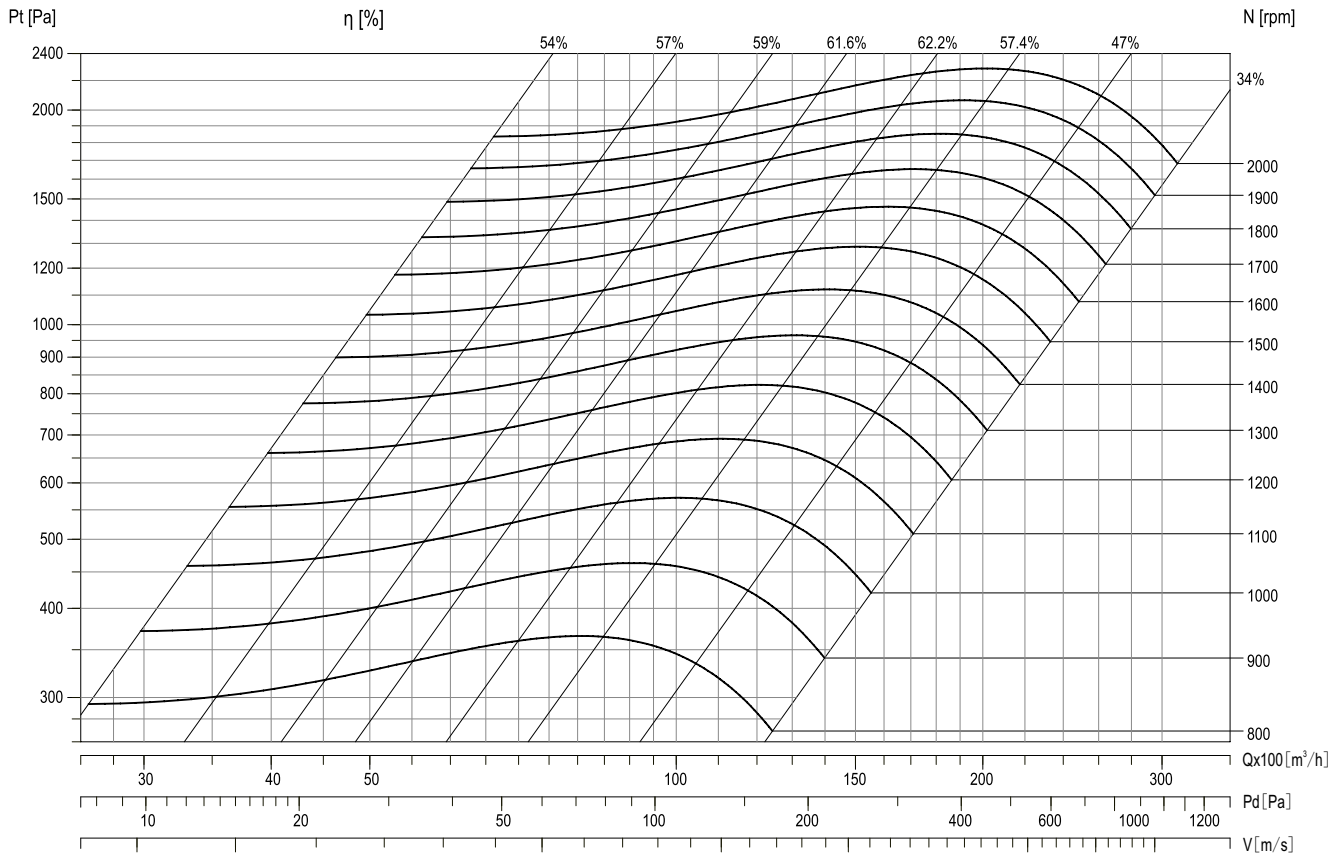


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wiA} sound power levels for Installation type B: free inlet, ducted outlet.



TAE355

Air Density: 1.2 kg/m³



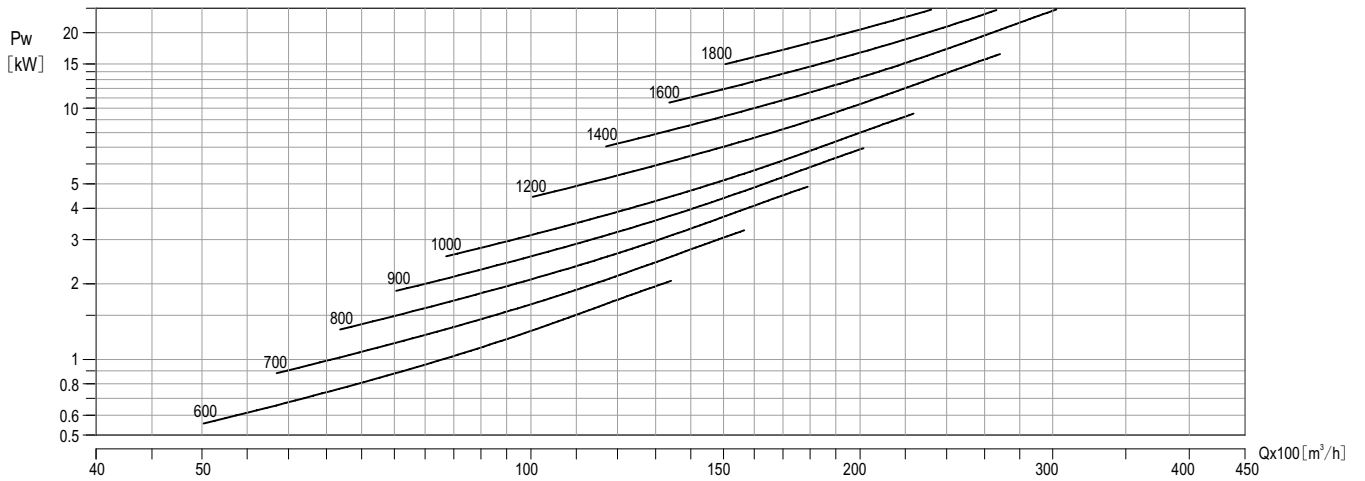
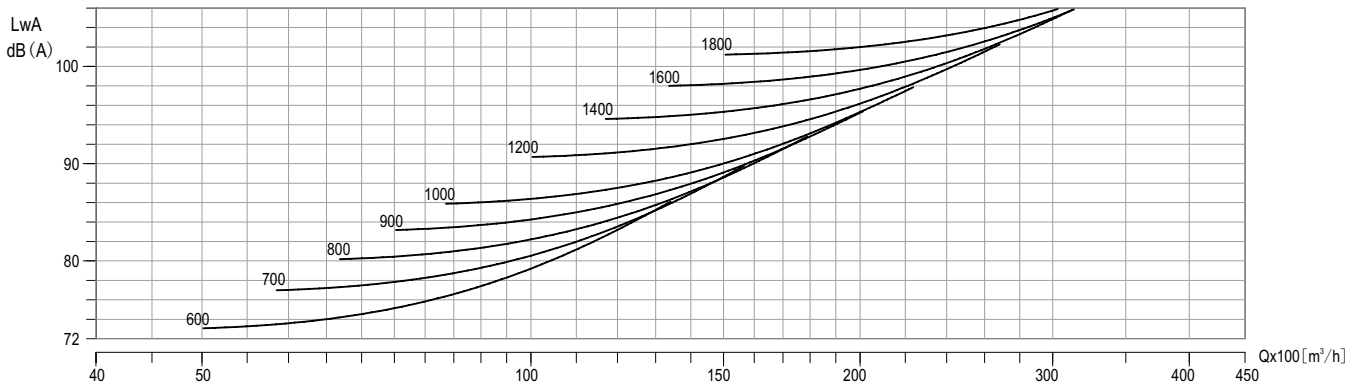
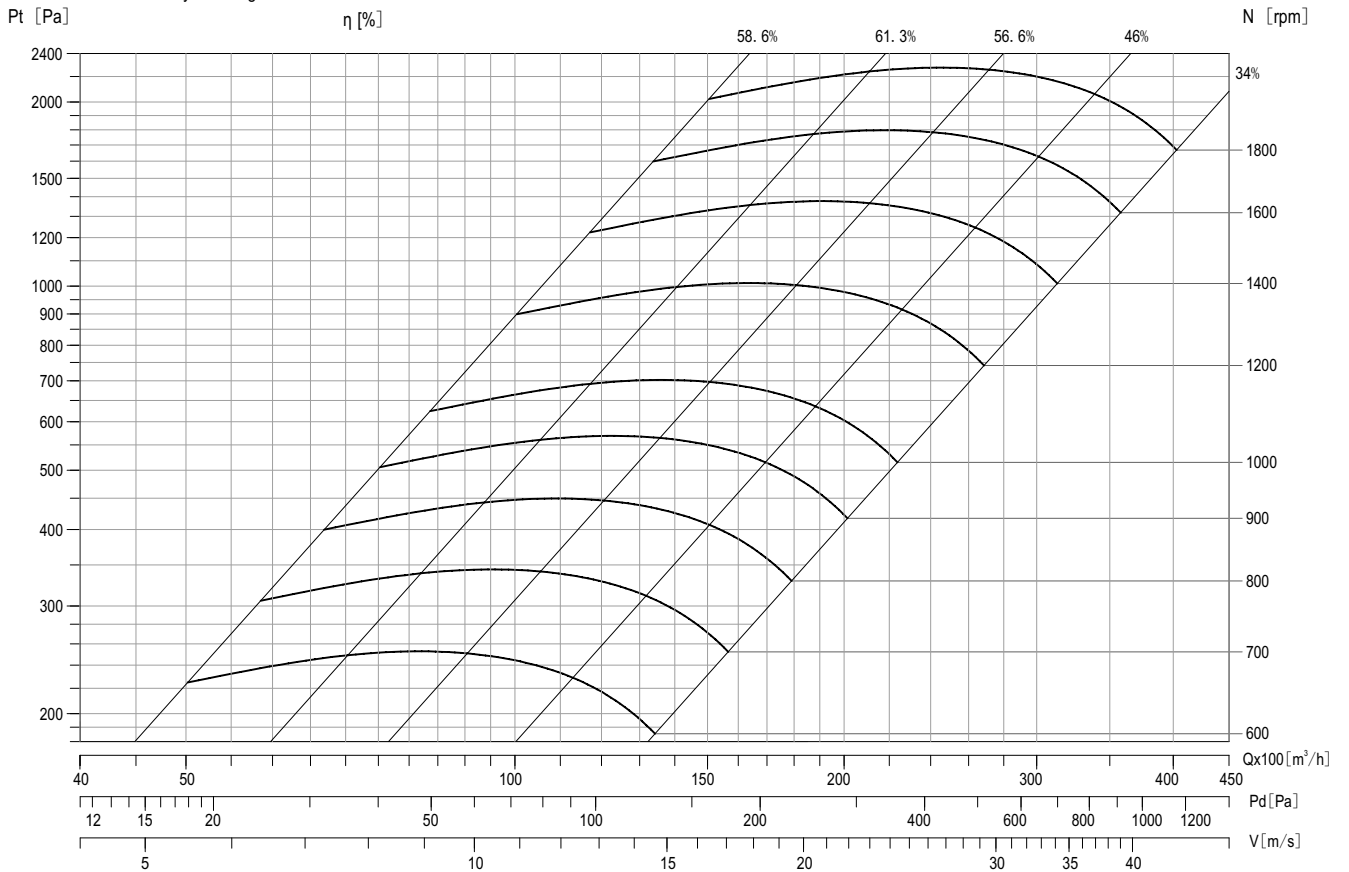
Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for Installation type B: free inlet, ducted outlet.

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TAE400

Air Density: 1.2 kg/m³

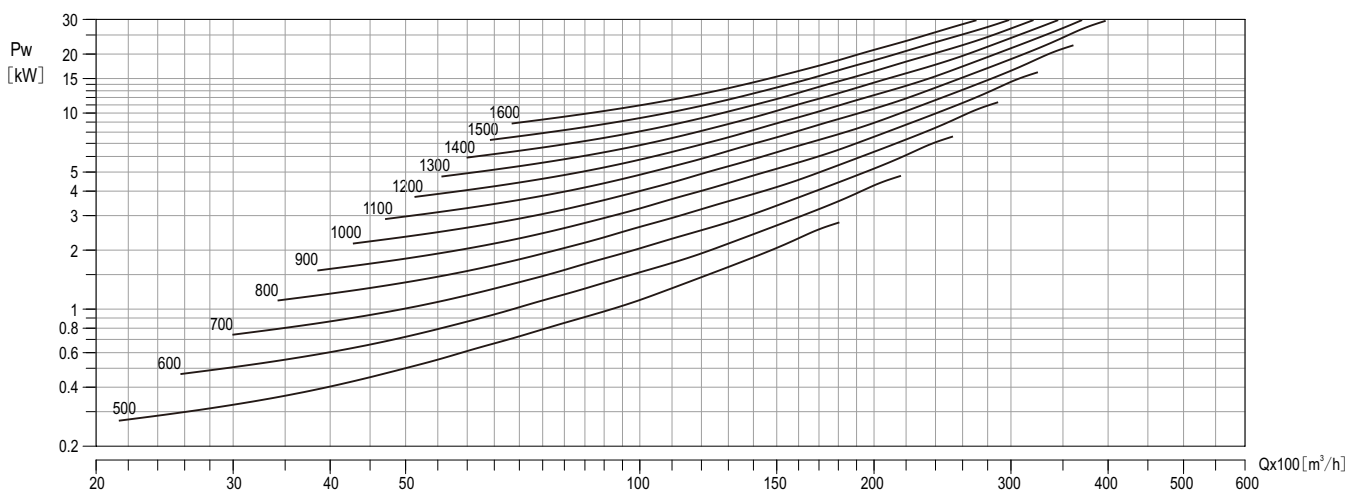
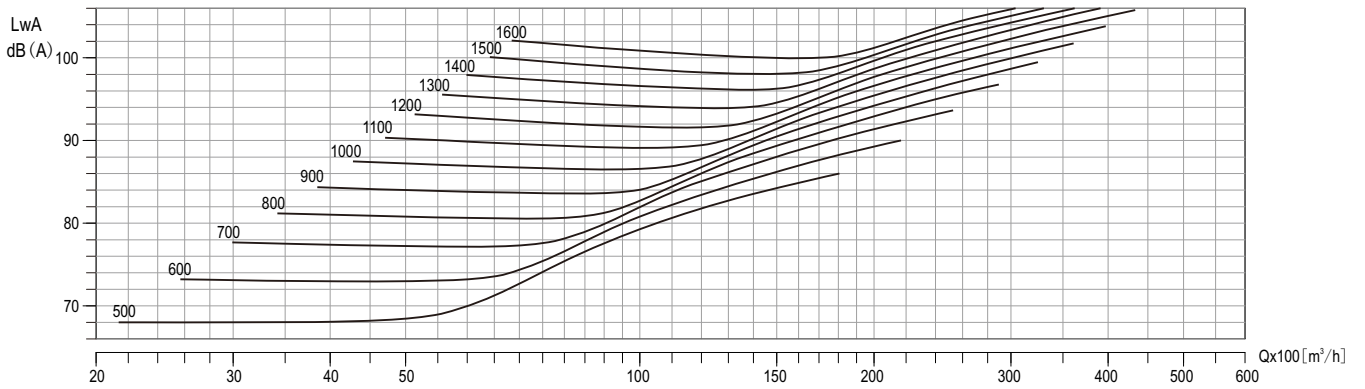
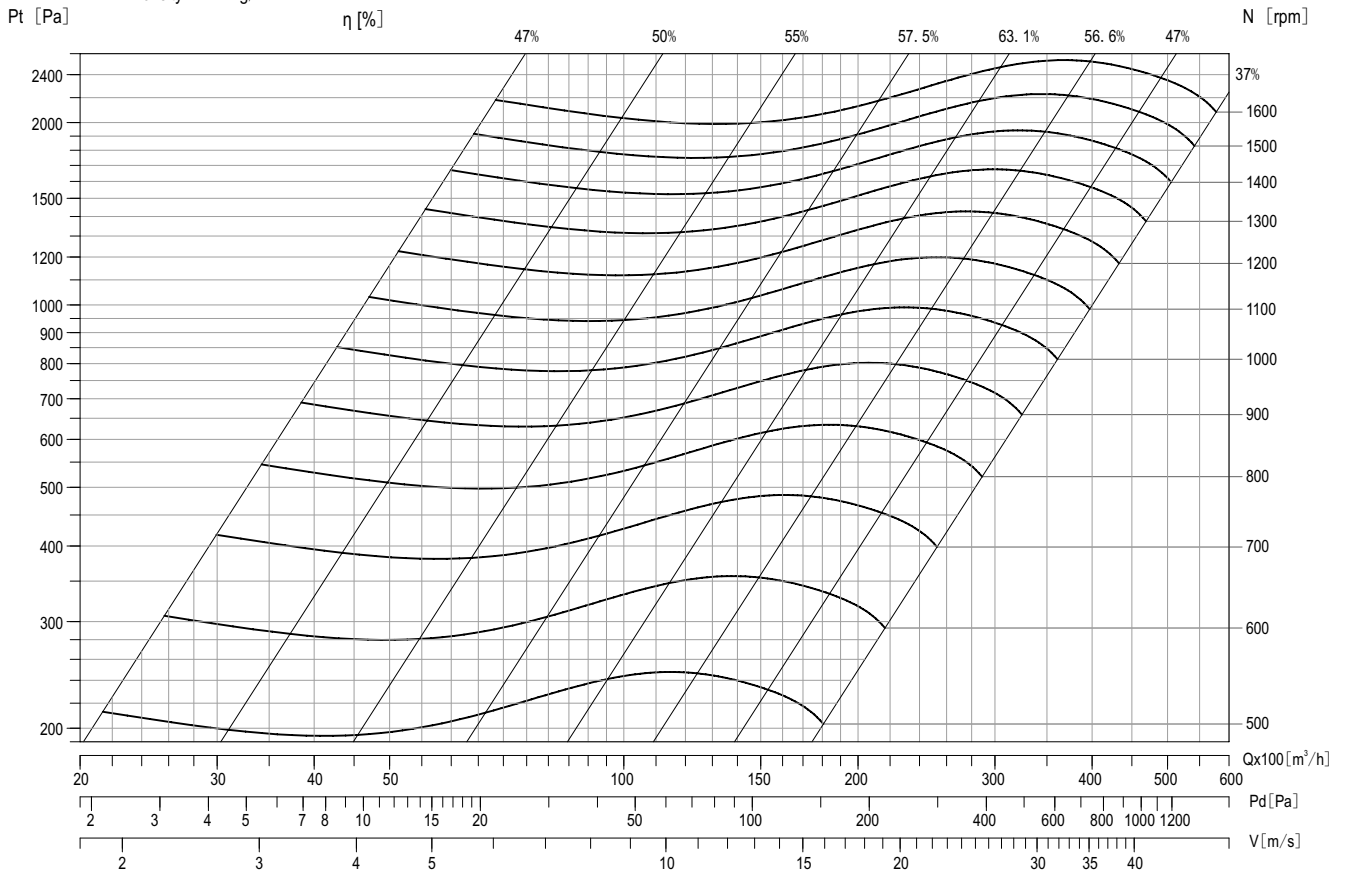


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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



TAE450

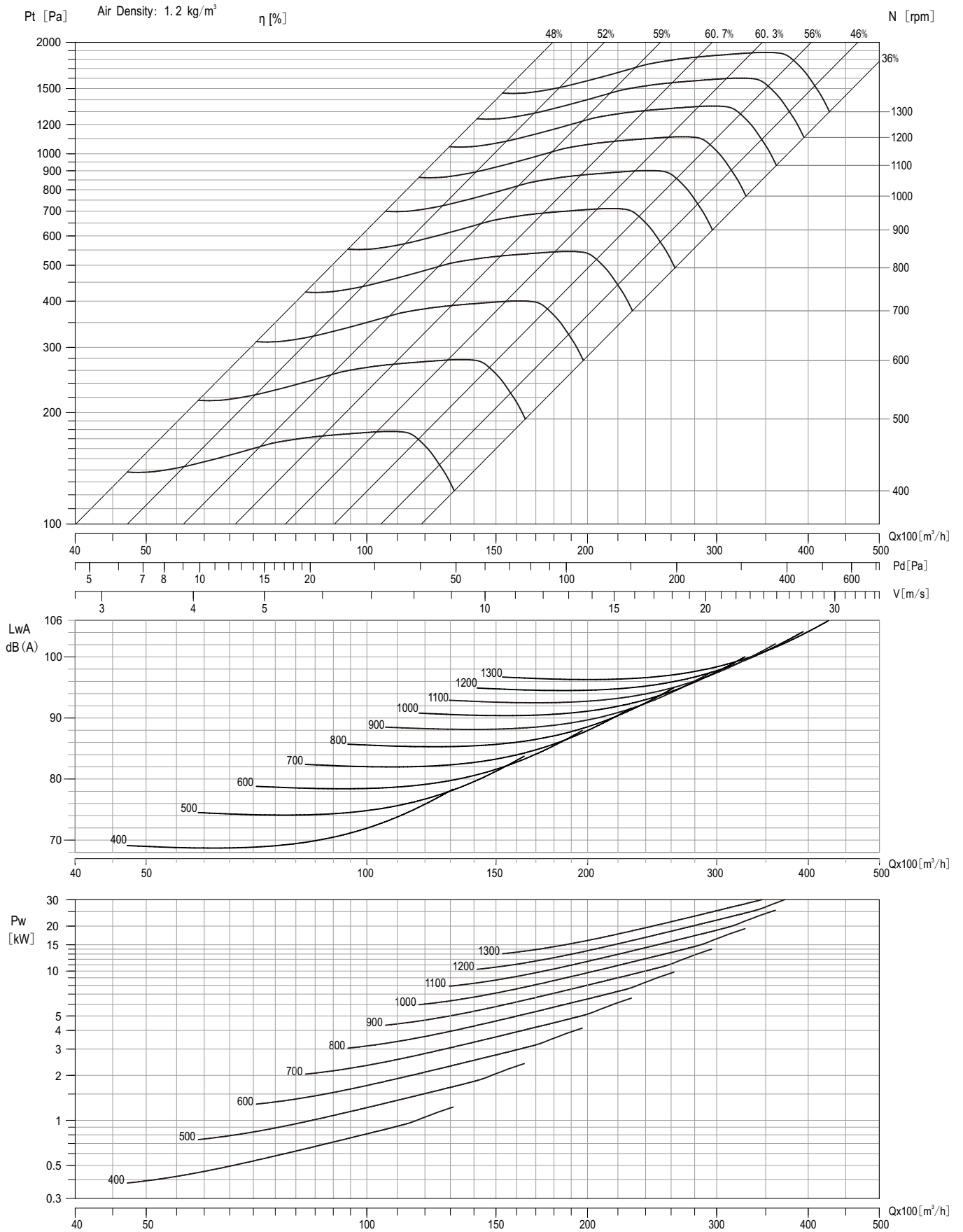
Air Density: 1.2 kg/m³



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



TAE500

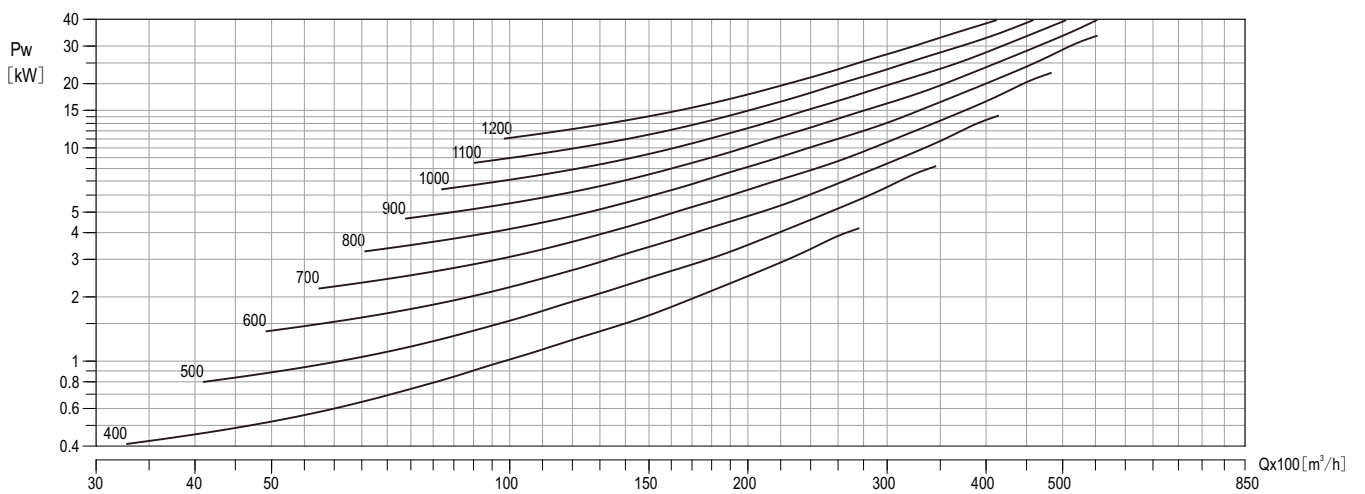
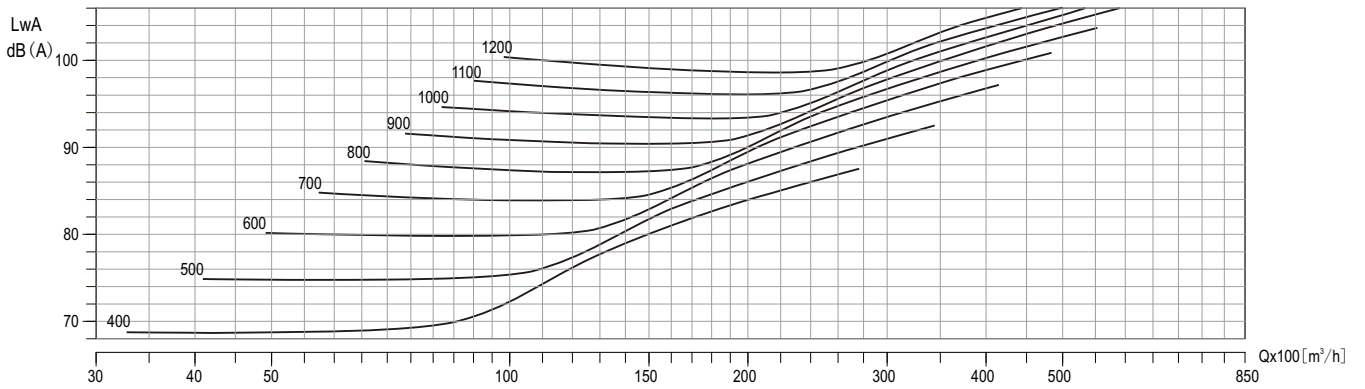
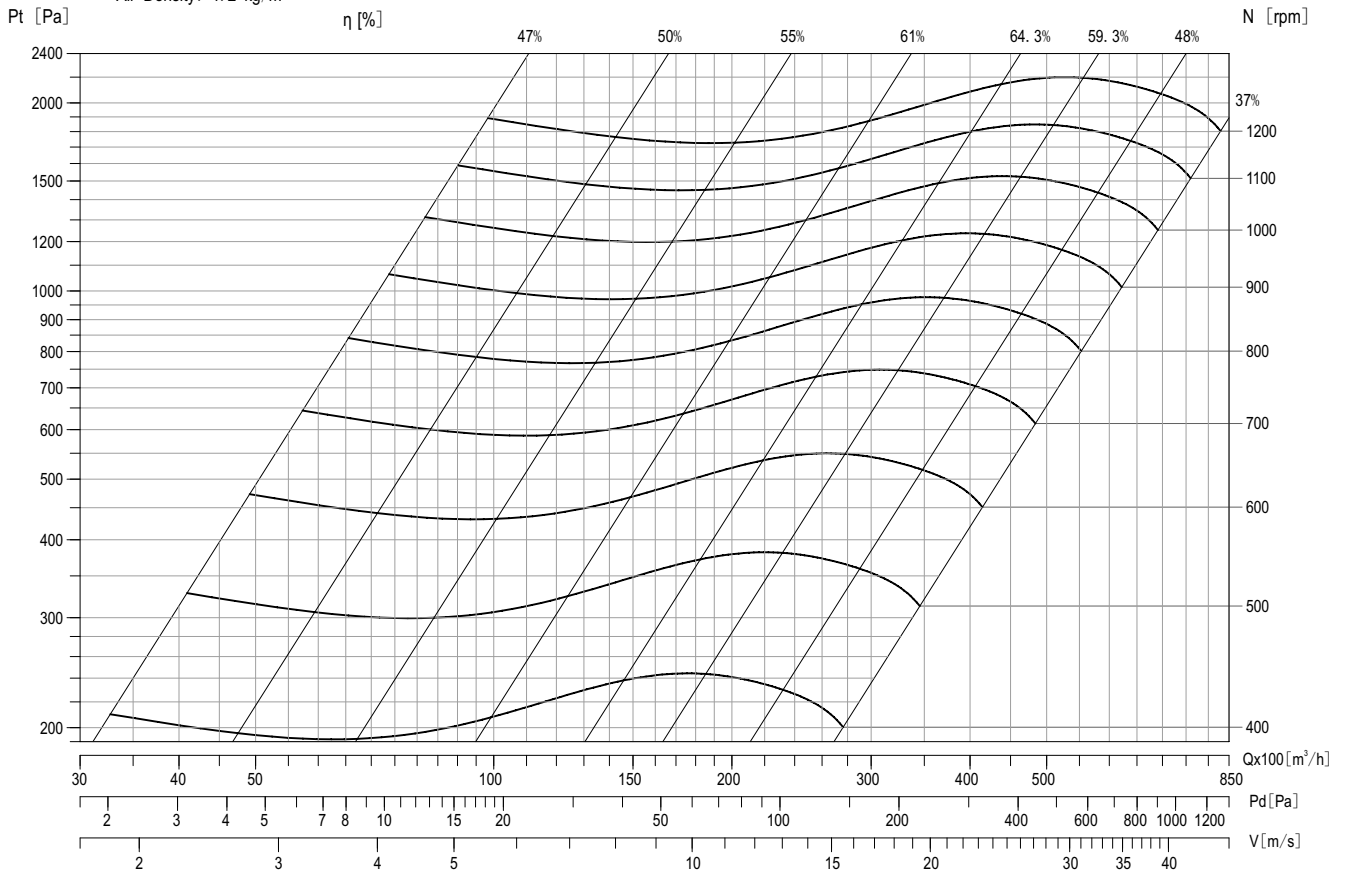


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wA} sound power levels for Installation type B: free inlet, ducted outlet.



TAE560

Air Density: 1.2 kg/m³

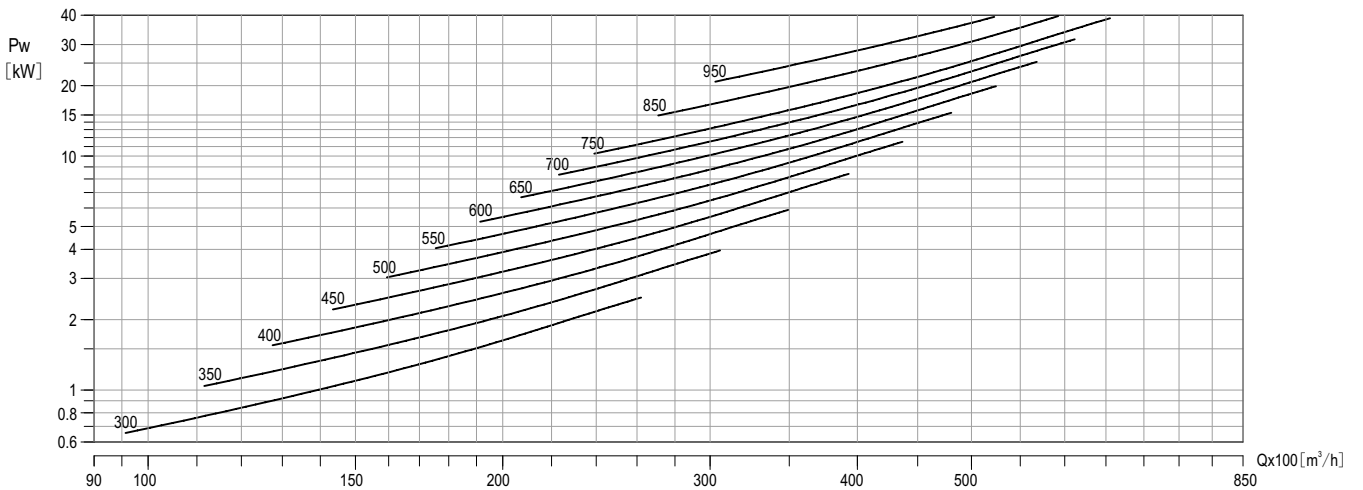
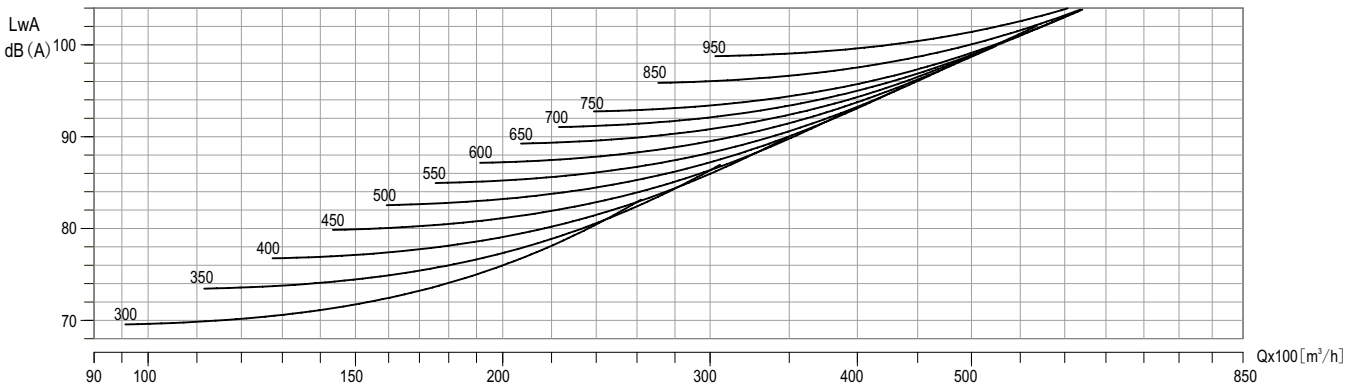
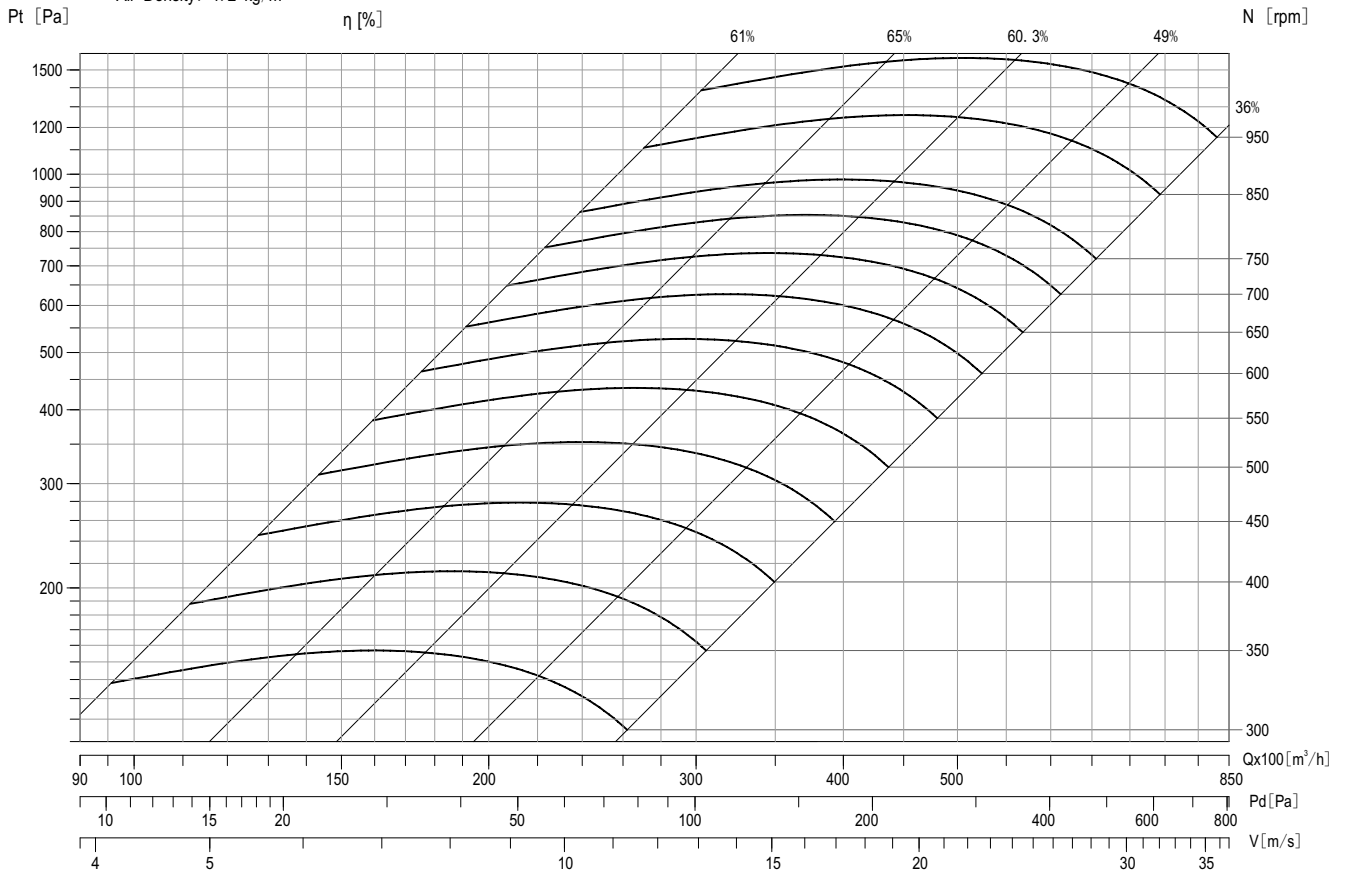


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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



TAE630

Air Density: 1.2 kg/m³

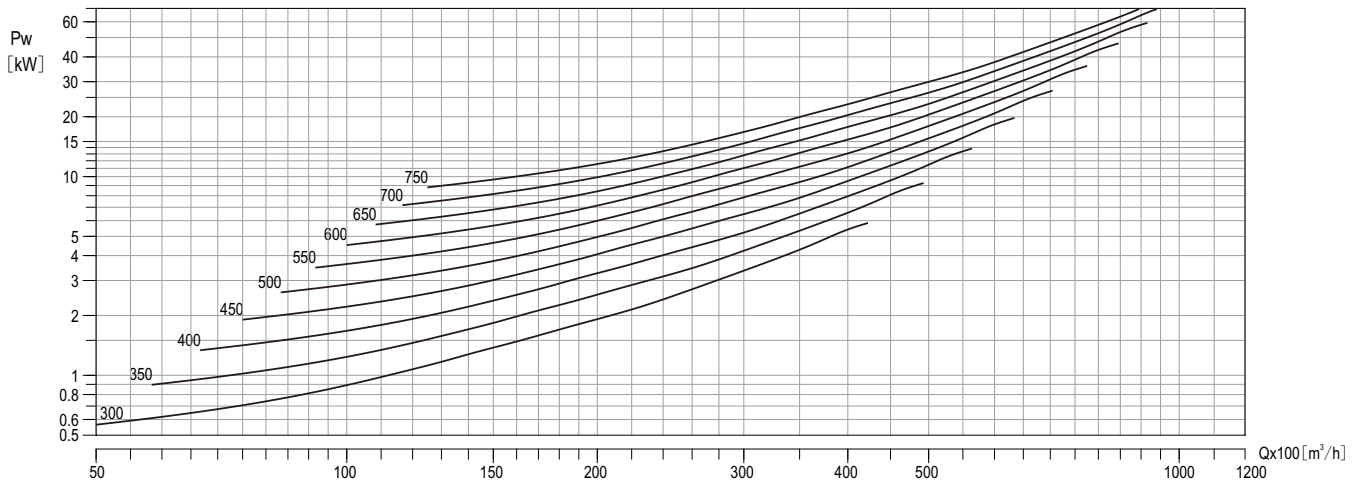
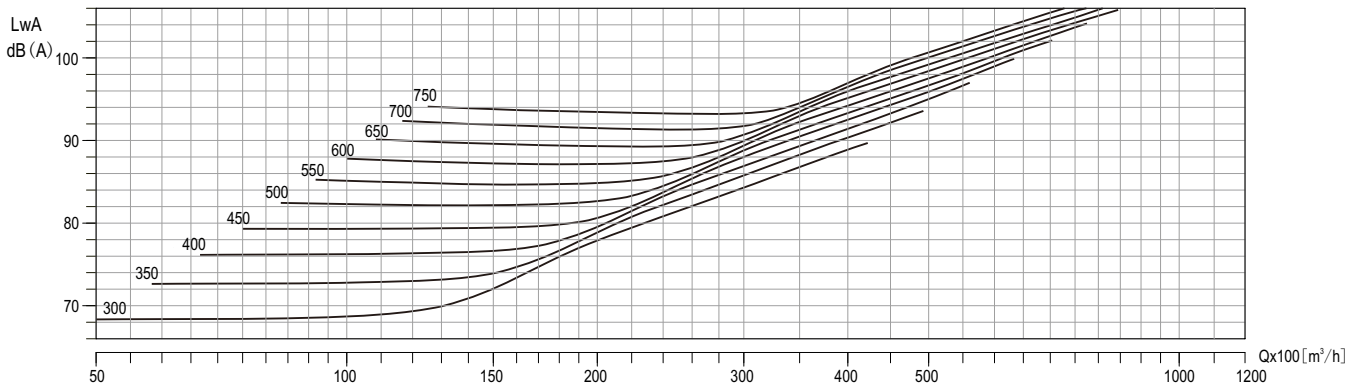
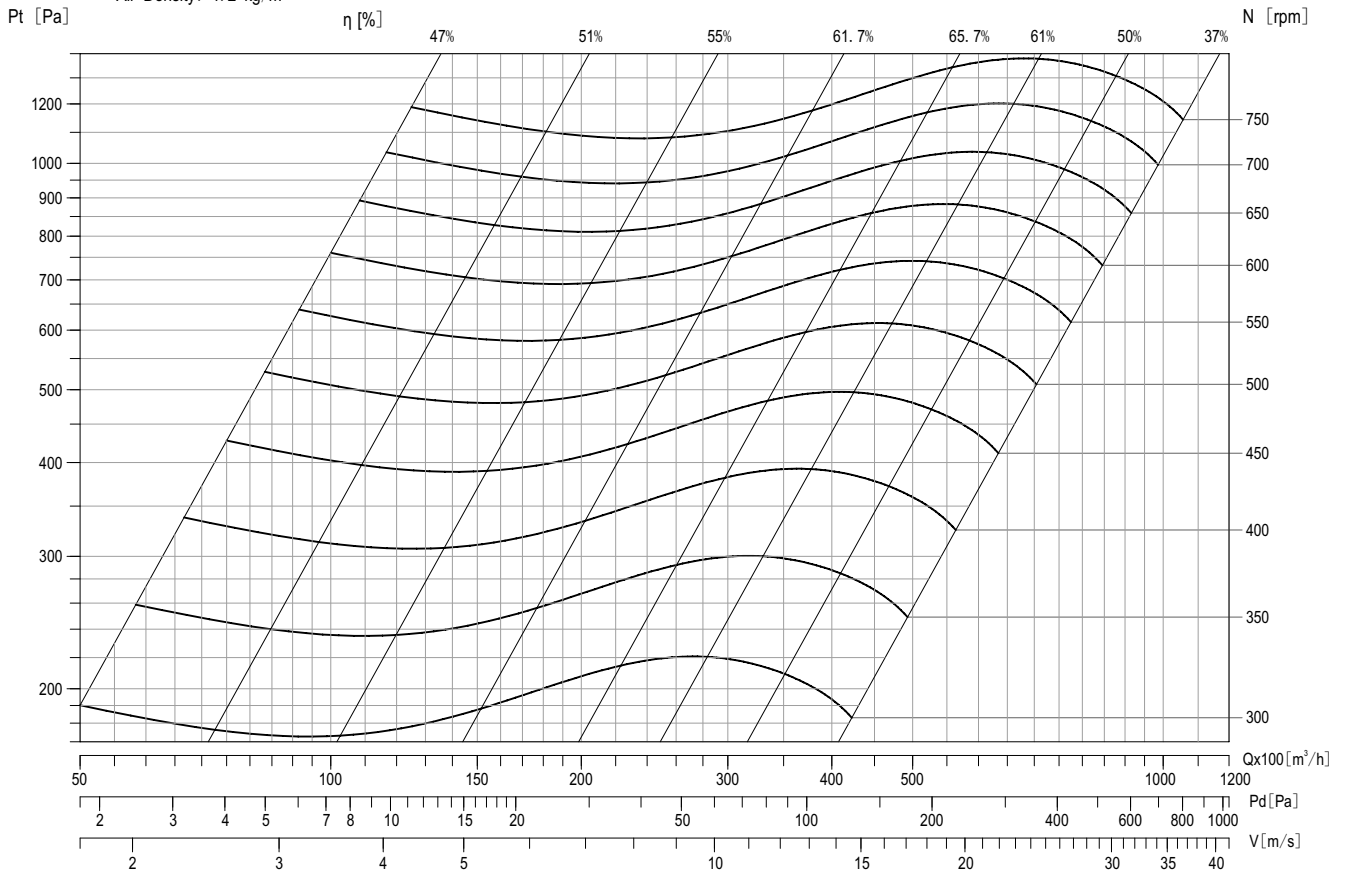


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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



TAE710

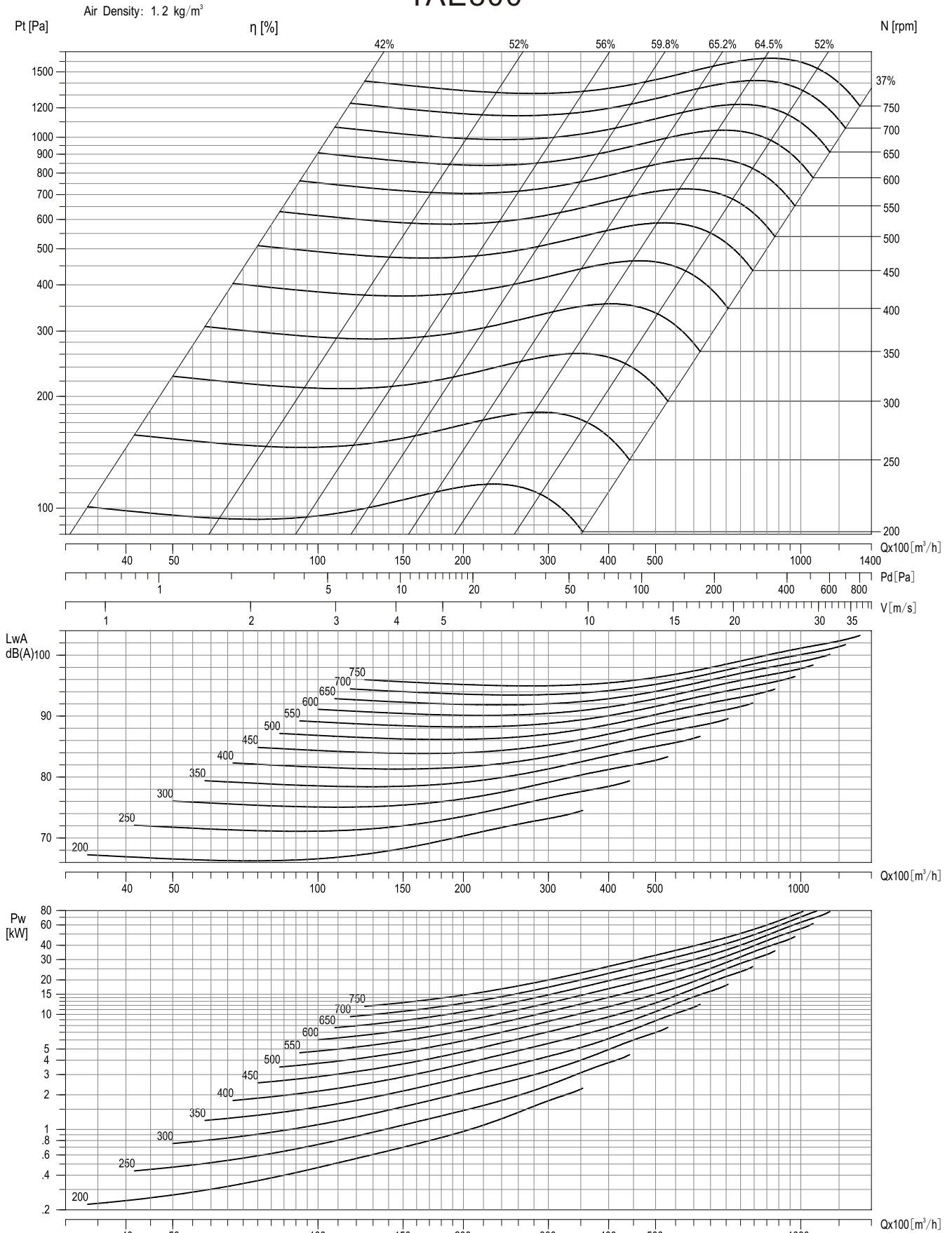
Air Density: 1.2 kg/m³



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



TAE800



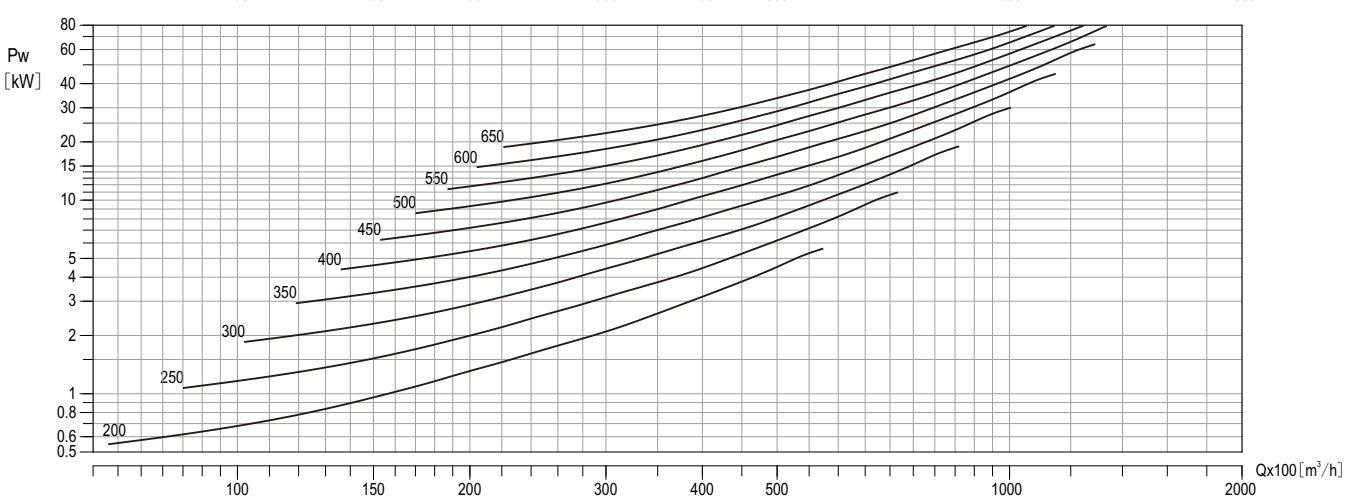
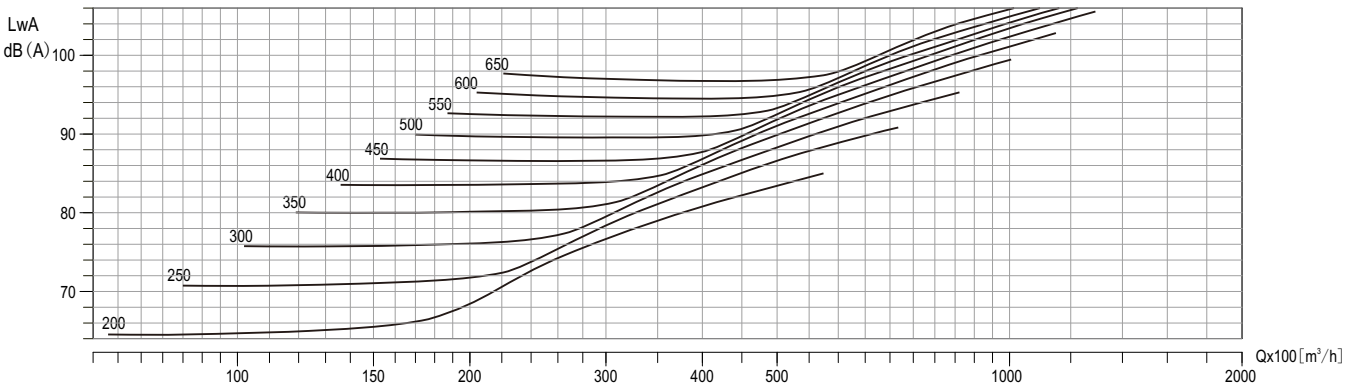
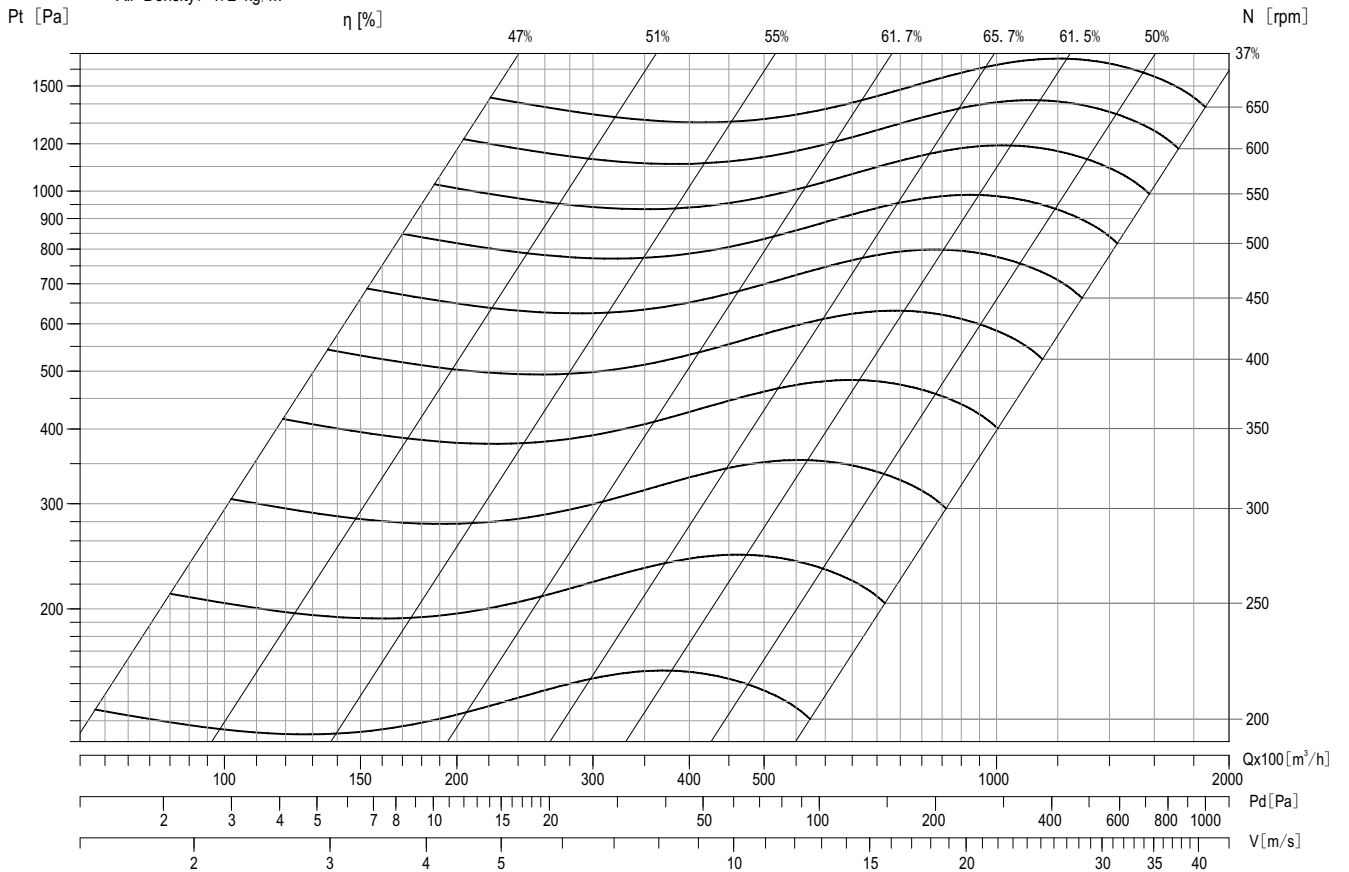
Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wiA} sound power levels for Installation type B: free inlet, ducted outlet.

MODEL TAE800 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.



TAE900

Air Density: 1.2 kg/m³

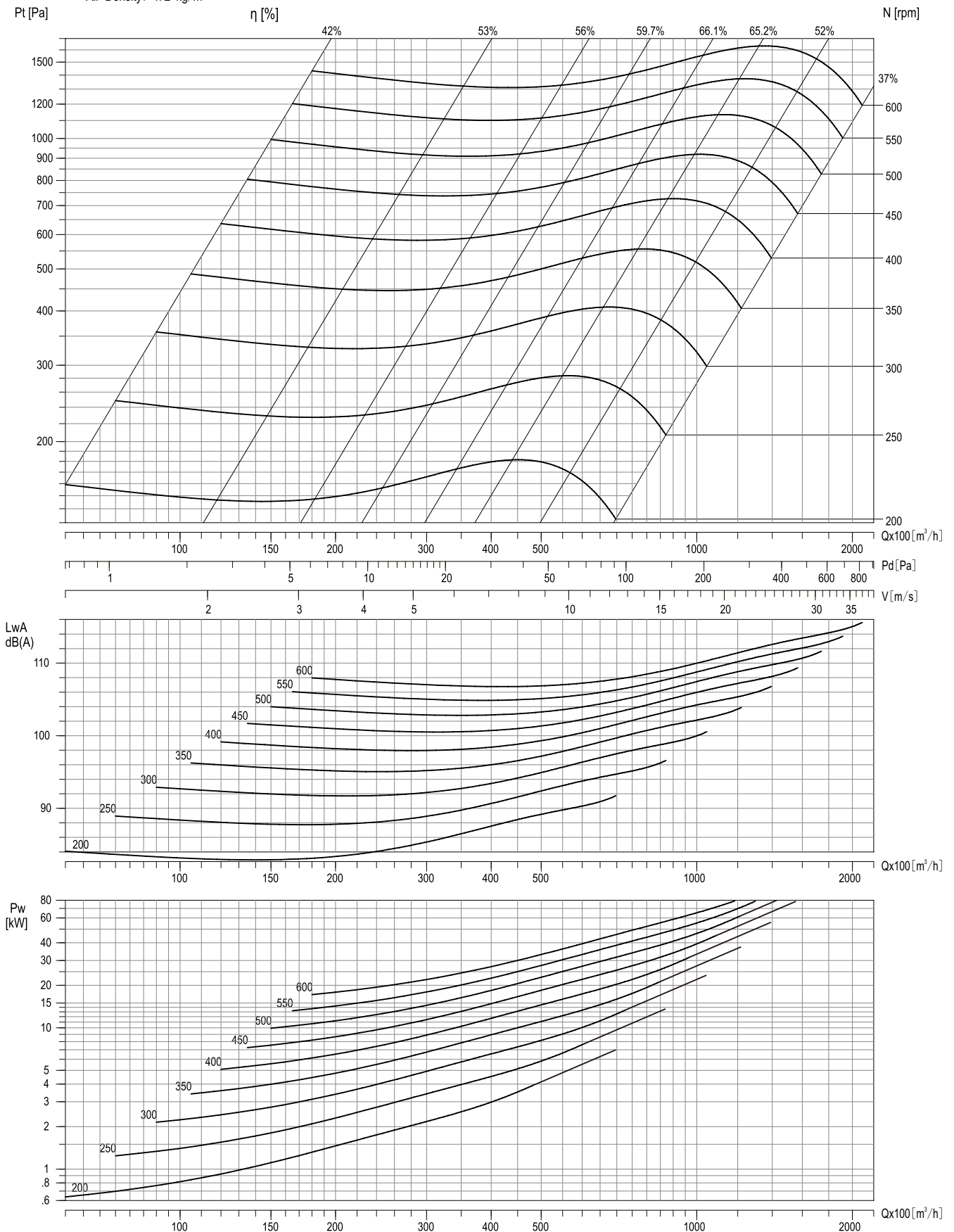


Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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



TAE1000

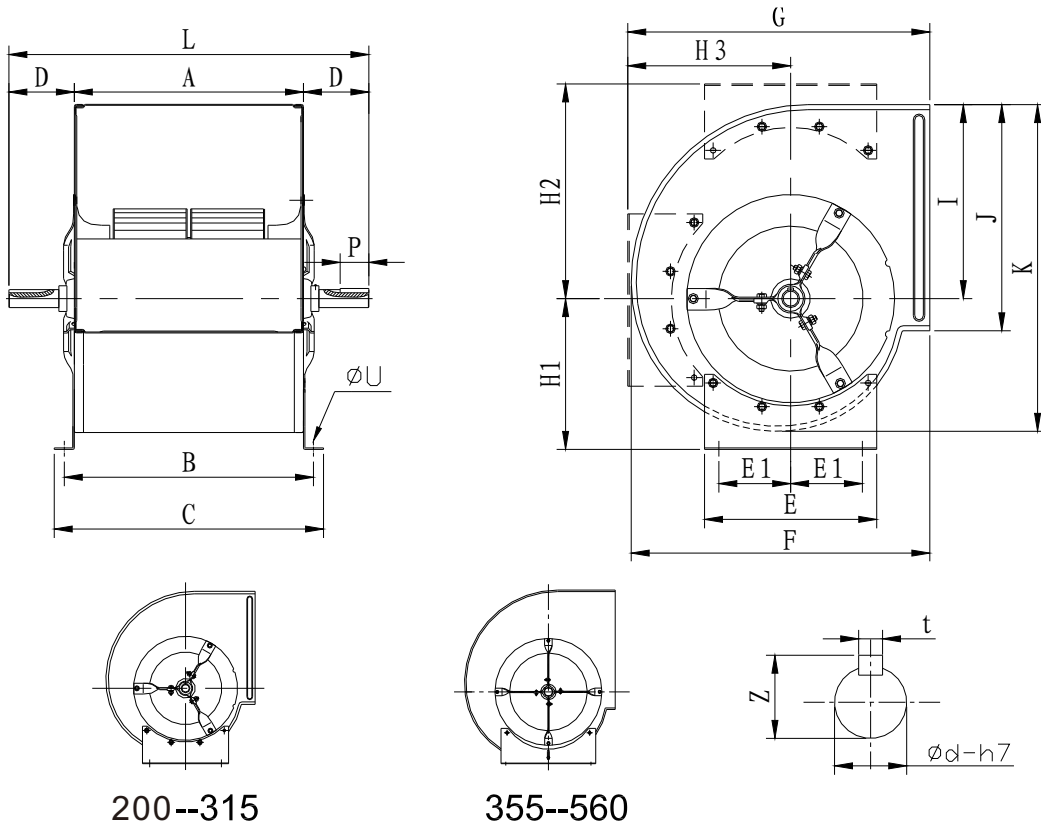
Air Density: 1.2 kg/m³



Performance shown is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wA} sound power levels for Installation type B: free inlet, ducted outlet.

MODEL TAE1000 IS NOT LICENSED TO BEAR THE AMCA CERTIFIED RATINGS SEAL.

TAE-D Dimension



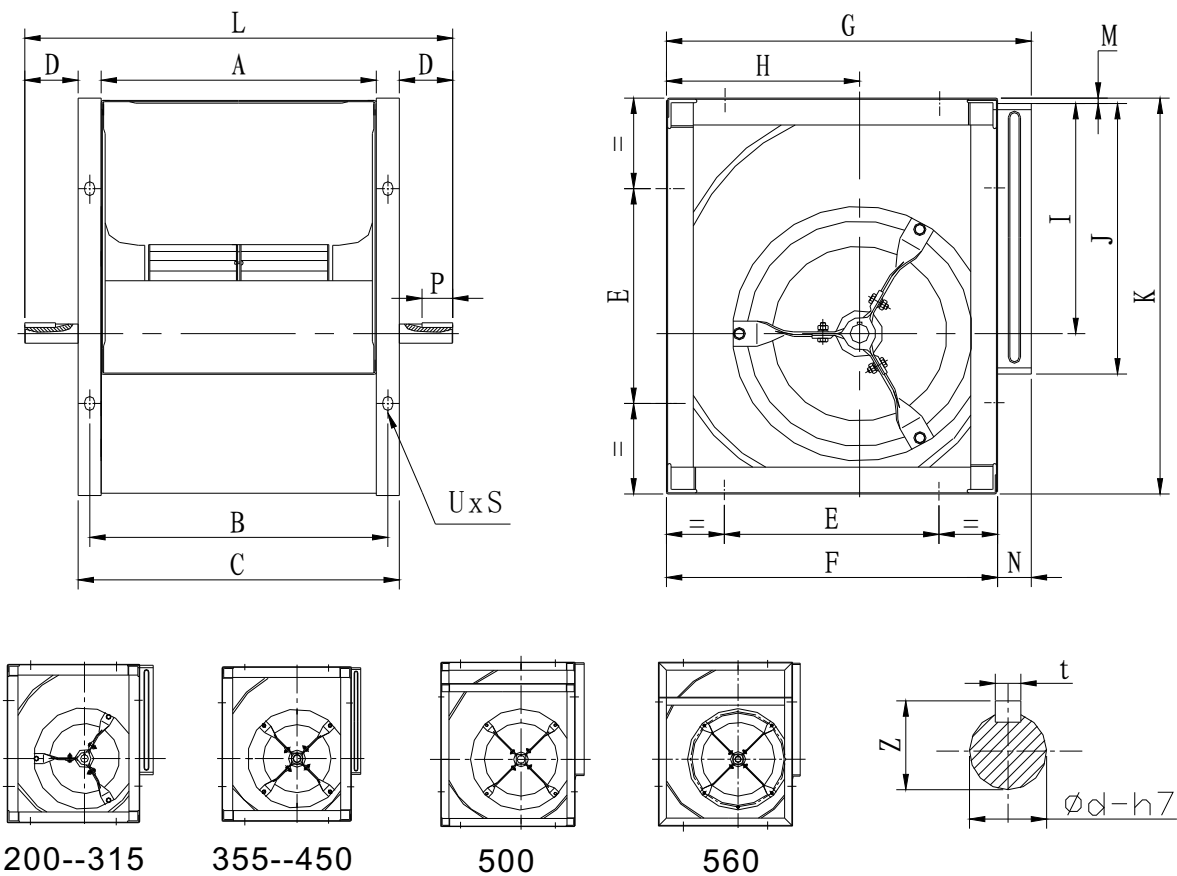
[mm]

Model	A	B	C	D	E	E1	F	G	H1	H2	H3	I	J	K	L	Ød	t	Z	P	ØU
TAE200	252	277	302	82	240	112	342	348	181	245	184	218	249	366	416	20	6	22.8	32	8.5
TAE225	284	309	334	82	240	112	382	384	197	274	204	245	281	413	448	20	6	22.8	32	8.5
TAE250	319	344	369	82	240	112	417	421	210	299	227	271	315	456	483	20	6	22.8	32	8.5
TAE280	359	389	419	98	315	140	464	469	236	331	255	304	355	512	555	25	8	28.3	40	10
TAE315	404	434	464	98	315	140	517	519	261	370	283	342	400	575	600	25	8	28.3	40	10
TAE355	454	494	534	110	400	178	577	580	274	411	320	385	450	646	674	30	8	33.3	50	10
TAE400	504	544	584	110	400	178	646	653	306	466	363	433	504	729	724	30	8	33.3	50	10
TAE450	564	604	644	123	500	225	723	732	341	523	410	487	562	820	810	35	10	38.3	50	10
TAE500	635	675	715	133	500	225	796	800	375	568	448	543	632	909	901	35	10	38.3	63	10
TAE560	715	765	815	143	590	265	890	892	416	634	502	605	712	1001	1001	40	12	43.3	63	15

说明：所有尺寸允许偏差±4mm

Note: Overall dimension tolerance arange ±4mm .

TAE-K Dimension



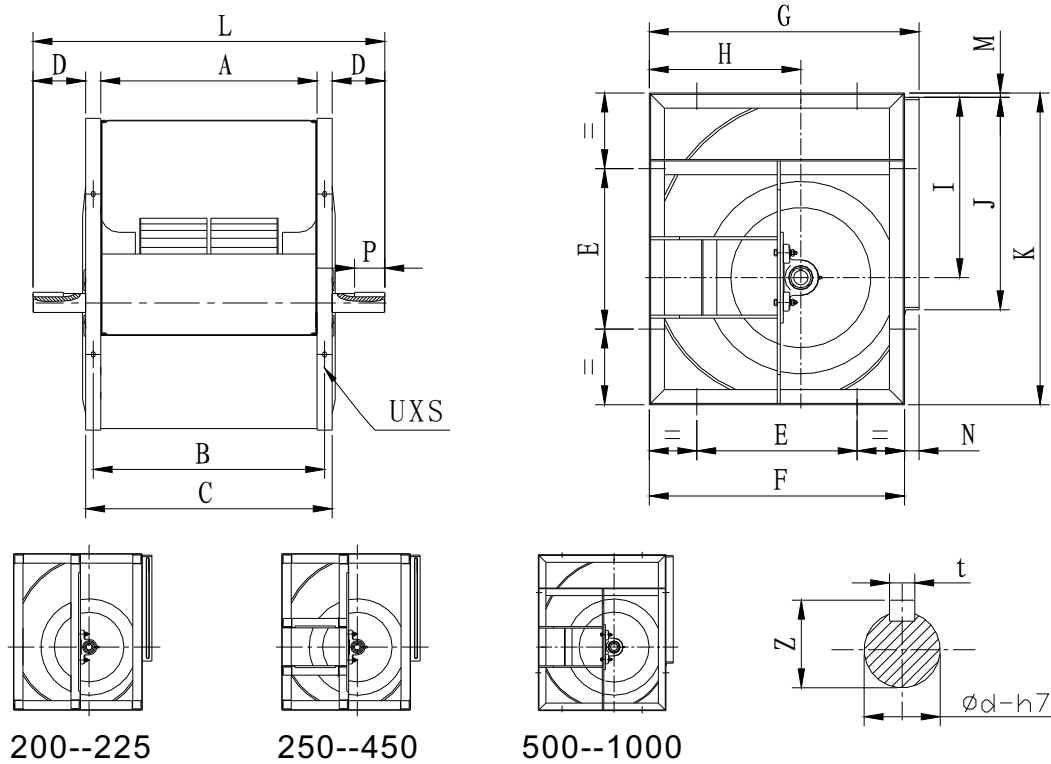
[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	ϕd	t	Z	P	UXS
TAE200	252	287	322	47	200	310	347	183	218	249	375	416	4	37	20	6	22.8	32	11X16
TAE225	284	319	354	47	225	352	386	206	245	281	419	448	3	34	20	6	22.8	32	11X16
TAE250	319	344	369	57	224	383	418	224	271	315	460	483	3	35	20	6	22.8	32	11X16
TAE280	359	389	419	68	280	432	466	252	304	355	518	555	3	34	25	8	28.3	40	13X18
TAE315	404	434	464	68	280	480	518	282	342	400	578	600	1	38	25	8	28.3	40	13X18
TAE355	454	494	534	70	355	548	578	318	385	450	654	674	4	30	30	8	33.3	50	13X18
TAE400	504	544	584	70	355	612	650	360	433	504	736	724	4	38	30	8	33.3	50	13X18
TAE450	564	604	644	83	530	681	726	404	487	562	827	810	4	45	35	10	38.3	50	13X18
TAE500	635	675	715	93	530	750	800	448	543	632	918	901	2	50	35	10	38.3	63	13X18
TAE560	715	765	815	93	530	844	892	502	605	712	1030	1001	5	48	40	12	43.3	63	13X18
TAE630	805	855	905	100	530	945	1012	564	681	800	1157	1105	6	67	45	14	48.8	80	13X18
TAE710	905	955	1005	100	630	1057	1134	636	767	902	1302	1205	7	77	50	14	53.8	80	17X22

说明：所有尺寸允许偏差 $\pm 4\text{mm}$

Note: Overall dimension tolerance arange $\pm 4\text{mm}$.

TAE-H Dimension



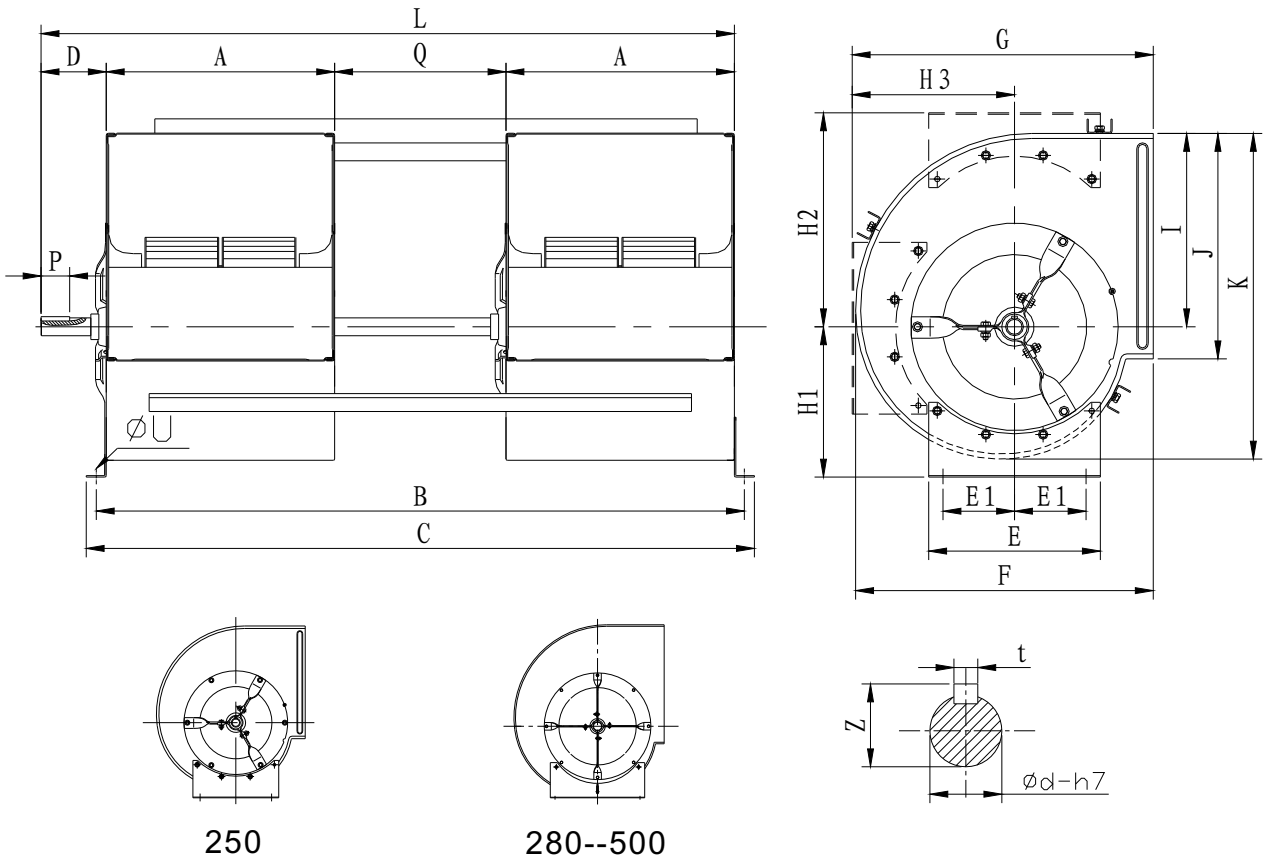
[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Ød	t	Z	P	UXS
TAE200	252	287	322	57	200	310	347	183	218	249	375	436	4	37	20	6	22.8	32	11X16
TAE225	284	319	354	55	225	352	386	206	245	281	419	464	3	34	20	6	22.8	32	11X16
TAE250	319	344	369	83	224	383	418	224	271	315	460	535	3	35	25	8	28.3	40	11X16
TAE280	359	389	419	84	280	432	466	252	304	355	518	587	3	34	30	8	33.3	40	13X18
TAE315	404	434	464	84	280	480	518	282	342	400	578	632	1	38	30	8	33.3	40	13X18
TAE355	454	494	534	93	355	548	578	318	385	450	654	720	4	30	35	10	38.3	50	13X18
TAE400	504	544	584	93	355	612	650	360	433	504	736	770	4	38	35	10	38.3	50	13X18
TAE450	564	604	644	115	530	681	726	404	487	562	827	874	4	45	40	12	43.3	63	13X18
TAE500	635	675	735	103	530	750	800	448	543	632	918	940	2	50	40	12	43.3	63	13X18
TAE560	715	765	815	133	530	844	892	502	605	712	1030	1081	5	48	50	14	53.8	80	13X18
TAE630	805	855	905	133	530	945	1012	564	681	800	1157	1171	6	67	50	14	53.8	80	13X18
TAE710	905	955	1005	141	630	1057	1134	636	767	902	1302	1287	7	77	60	18	64.4	80	17X22
TAE800	1007	1057	1107	141	710	1180	1272	714	864	1003	1468	1389	7	92	60	18	64.4	90	17X22
TAE900	1127	1187	1247	159	800	1319	1427	804	972	1120	1648	1570	7	108	60	18	64.4	110	17X22
TAE1000	1257	1317	1377	159	900	1450	1559	884	1068	1250	1810	1700	9	109	60	18	64.4	110	17X22

说明：所有尺寸允许偏差±4mm

Note: Overall dimension tolerance arange ±4mm .

TAE-2D Dimension



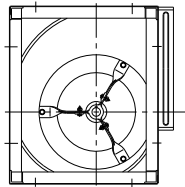
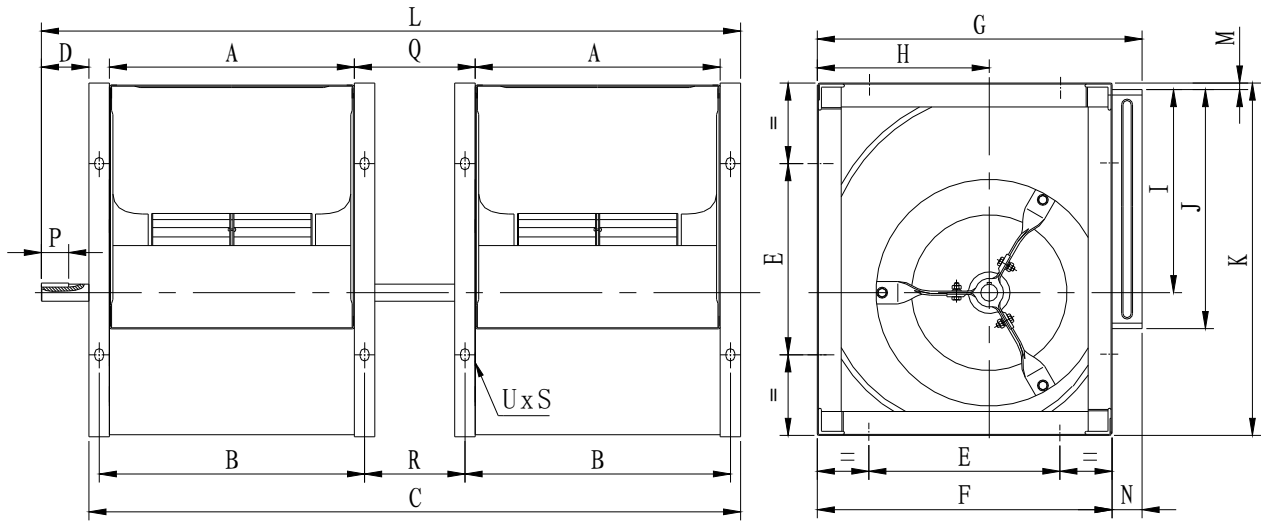
[mm]

Model	A	B	C	D	E	E1	F	G	H1	H2	H3	I	J	K	L	Q	Ød	t	Z	P	ØU
TAE250	319	913	938	100	240	112	417	421	210	299	227	271	315	456	988	250	25	8	28.3	32	8.5
TAE280	359	1028	1058	110	315	140	464	469	236	331	255	304	355	512	1108	280	30	8	33.3	40	10
TAE315	404	1153	1183	110	315	140	517	519	261	370	283	342	400	575	1233	315	30	8	33.3	40	10
TAE355	454	1303	1343	130	400	178	577	580	274	411	320	385	450	646	1393	355	35	10	38.3	63	10
TAE400	504	1448	1488	130	400	178	646	653	306	466	363	433	504	729	1538	400	35	10	38.3	63	10
TAE450	564	1618	1658	140	500	225	723	732	341	523	410	487	562	820	1718	450	40	12	43.3	63	10
TAE500	635	1810	1850	140	500	225	796	800	375	568	448	543	632	909	1910	500	40	12	43.3	63	10

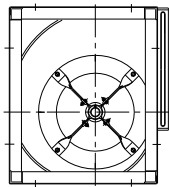
说明：所有尺寸允许偏差±4mm

Note: Overall dimension tolerance arange ±4mm .

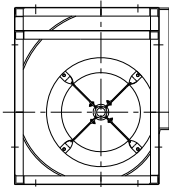
TAE-2K Dimension



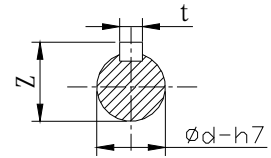
250



280-450



500



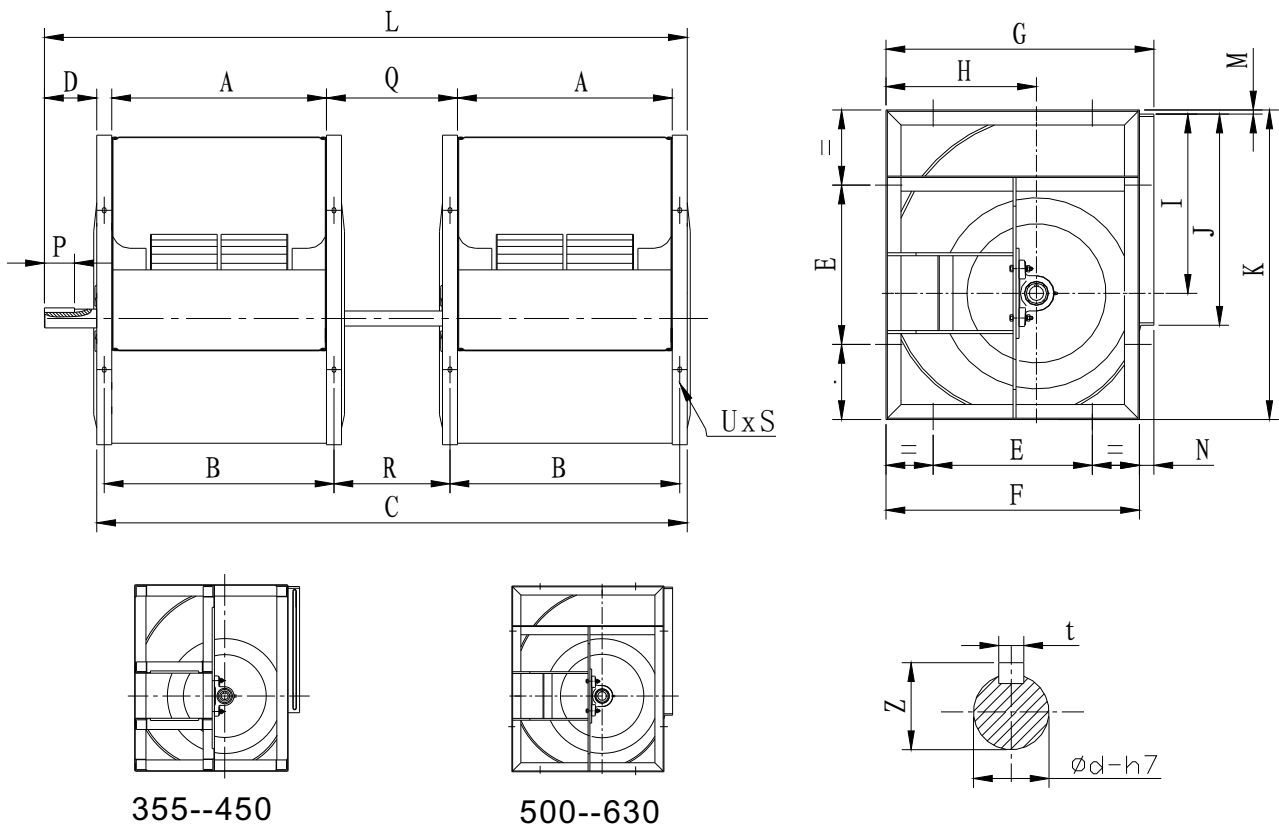
[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	Ød	t	Z	P	UXS
TAE250	319	344	938	75	224	383	418	224	271	315	460	1013	3	35	250	225	25	8	28.3	32	11X16
TAE280	359	389	1058	80	280	432	466	252	304	355	518	1138	3	34	280	250	30	8	33.3	40	13X18
TAE315	404	434	1183	80	280	480	518	282	342	400	578	1263	1	38	315	285	30	8	33.3	40	13X18
TAE355	454	494	1343	90	355	548	578	318	385	450	654	1433	4	30	355	315	35	10	38.3	63	13X18
TAE400	504	544	1488	90	355	612	650	360	433	504	736	1578	4	38	400	360	35	10	38.3	63	13X18
TAE450	564	604	1658	100	530	681	726	404	487	562	827	1758	4	45	450	410	40	12	43.3	63	13X18
TAE500	635	675	1850	100	530	750	800	448	543	632	918	1950	2	50	500	460	40	12	43.3	63	13X18

说明：所有尺寸允许偏差±4mm

Note: Overall dimension tolerance arange ±4mm .

TAE-2H Dimension



[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	M	N	L	Q	R	$\varnothing d$	t	Z	P	UXS
TAE355	454	494	1343	110	355	548	578	318	385	450	654	4	30	1453	355	315	40	12	43.3	63	13X18
TAE400	504	544	1488	110	355	612	650	360	433	504	736	4	38	1598	400	360	40	12	43.3	63	13X18
TAE450	564	604	1658	135	530	681	726	404	487	562	827	4	45	1793	450	410	45	14	48.8	63	13X18
TAE500	635	675	1870	135	530	750	800	448	543	632	918	2	50	2005	500	460	50	14	53.8	80	13X18
TAE560	715	765	2090	140	530	844	892	502	605	712	1030	5	48	2230	560	510	50	14	53.8	80	13X18
TAE630	805	855	2340	140	530	945	1012	564	681	800	1157	6	67	2480	630	580	55	16	59.3	90	13X18

说明：所有尺寸允许偏差 $\pm 4\text{mm}$

Note: Overall dimension tolerance arange $\pm 4\text{mm}$.

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资料如有更改，恕不另行通知