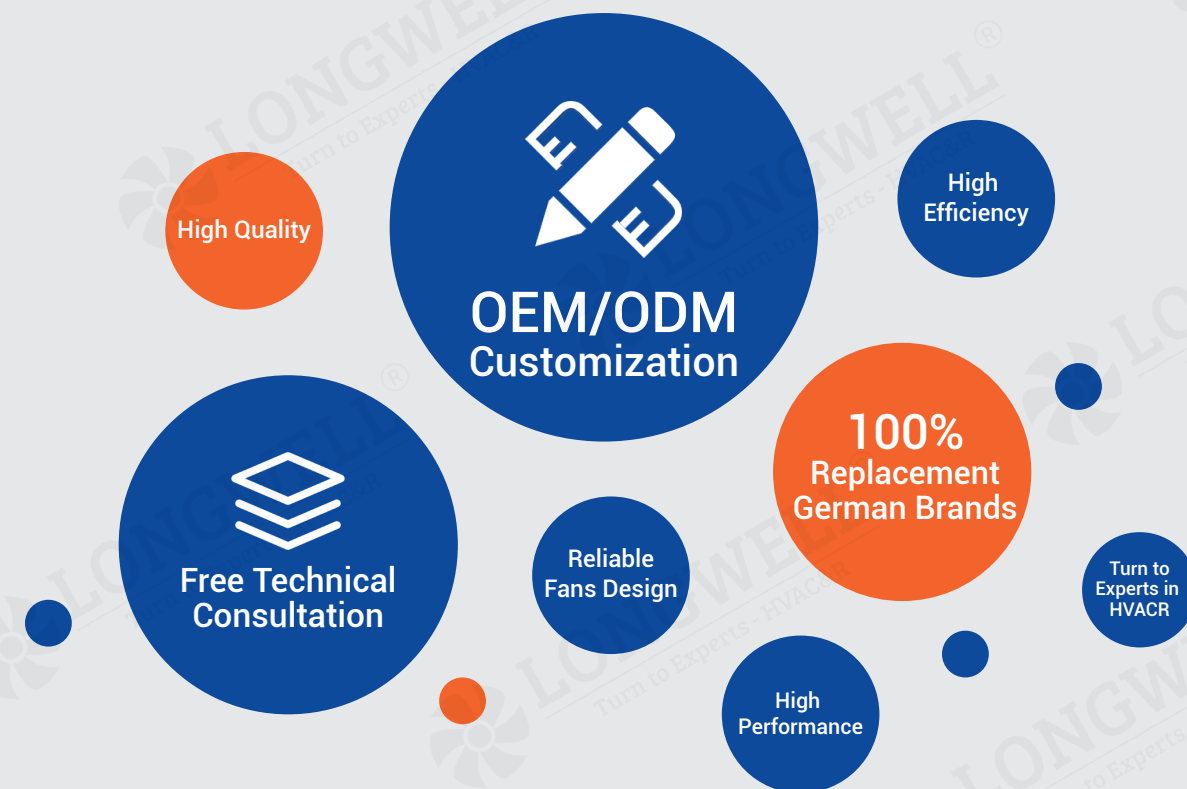


Engineered for the Critical

World's Largest Selection of Fan Products
World's Most Comprehensive Fan Solutions



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LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner
for Mission-Critical Environments



Professional Manufacturer of HVACR Fan & Motors

— Box-type Fan

Longwell Group

Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe

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DDMBS/DDMBM Series Box-type Fan

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DDBS/DDBM Series Box-type Fan



About Longwell

Born for High-Quality Breathing, LONGWELL Fans Power Your Equipment

OEM for Well-Known Brands

Supplies Fortune 500 Companies

Global Technical Support

LONGWELL is a leading fan manufacturer, specializing in high-quality fans, blowers, motors, and components for heating, ventilation, air conditioning, and refrigeration applications. We have a strong presence in delivery capabilities, design and R&D capabilities, as well as manufacturing, placing us at the forefront of the industry.

Our product range includes EC/DC/AC centrifugal fans, axial fans, AC/BLDC cross-flow fans, single/double forward curved fans, AC/BLDC/ECM motors, and industrial fan blowers. Since our establishment in 1990, we have continuously upgraded our facilities and production capacity, boasting advanced testing labs and production facilities with an annual capacity of millions of fans. With over 20 years of experience, we are highly skilled in the design, development, and manufacture of fans and motors. We export to over 30 countries and serve numerous Fortune 500 clients.

Our facilities and products are compliant with certifications such as ISO9001, ISO14001, BSCI, CE, UL/ETL, CCC, EMC, and LVD. These certifications demonstrate our compliance in quality management, environmental management, social responsibility, and product safety. We are quality-oriented and dedicated to providing products and services that meet international standards. 

Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

As industry leaders, we prioritize technological innovation and efficiency. We employ advanced technologies such as aerodynamics principles and CFD simulation to ensure precise and efficient fan designs. Additionally, we offer customized services to design and manufacture fan systems according to specific customer requirements. Our focus is on providing high-tech, high-efficiency products that meet our customers' needs and contribute to a better future.

At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials to deliver products that are efficient, safe, and reliable. Our brand is widely recognized globally, and we are committed to promoting sustainable development and advancing the efficient fan industry.

LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193

Staff

40000m²

Floor Space

500⁺

Branding Clients

1Million⁺ PCS

Annual Outputs

6

Overseas Offices
on Spot Support

50⁺

Members
R&D Team



B&K Noise Testing Lab



Production Line



Automatic Welding



Balance Machine



Automatic Welding Machine



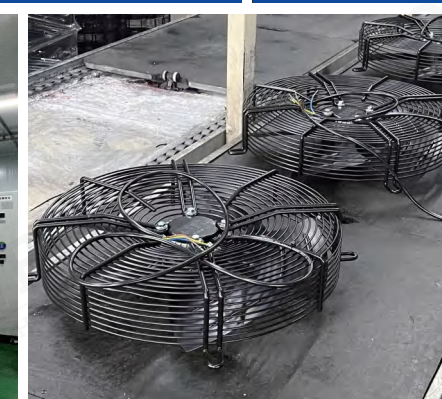
Production Line - Centrifugal Fan



Automatic CNC Machine



Air Dynamic Test Lab



Production Line - Axial Fans



Production Line

Testing and Standards

- ISO GB/T 19001-2016 idt ISO 9001:2015/GB/T 24001-2016 idt ISO 14001:2015/GB/T 45001-2020 idt ISO 45001:2018
- UL 507:2017 Ed.10+R:27/CSA C22.2#113:2018 Ed.11
- BSCI ANSI C63.4:2014/ANSI C63.4a-2017
- EN IEC 55014-1:2021/EN IEC 55014-2:2021/EN IEC 61000-3-2:2019 +A1:2021
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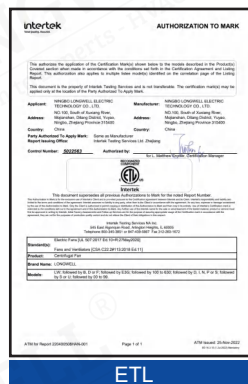
Enterprise Credit Evaluation Certificate - Highest Level in China



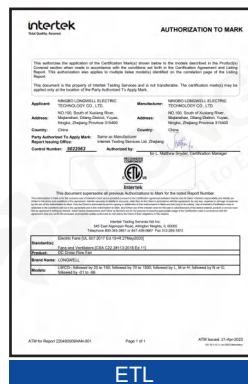
Own-Brand



Own-Brand



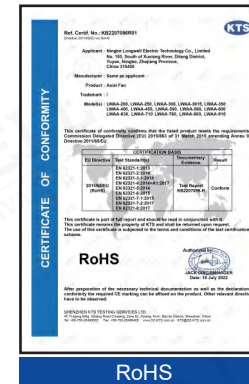
ETL



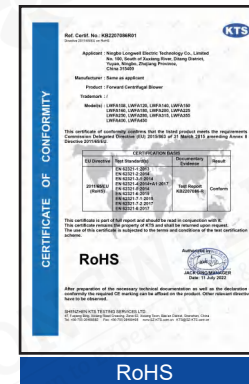
ETL



CE



RoHS



RoHS



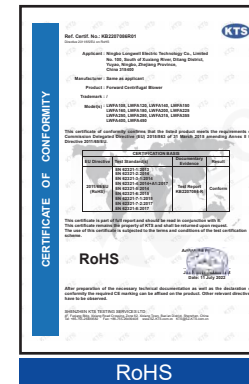
CE



CE



CE



RoHS



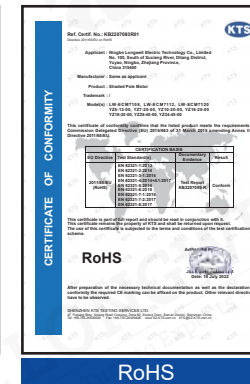
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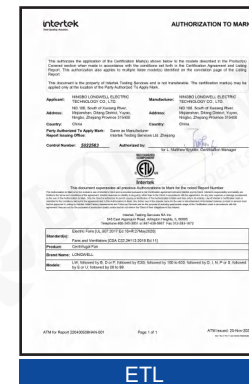
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CE



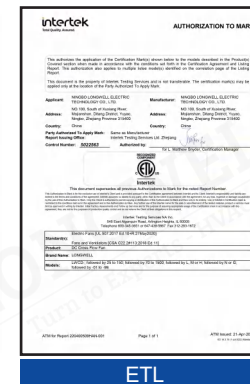
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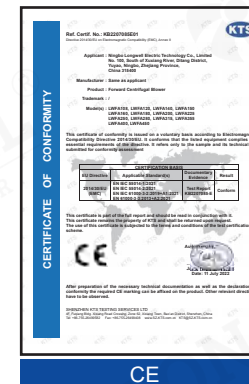
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ETL



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CE



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ISO 9001



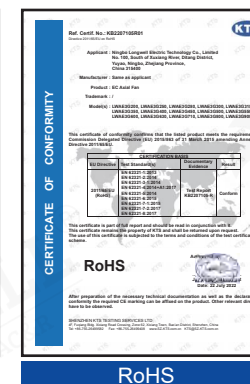
ISO 9001



RoHS



RoHS



RoHS

ATBM/ADHBM/RDHBM/RLMBM Series Box-type Fan

Professional HVAC Fan & Motors Manufacturer

Type Code

ADHBM 8 - 8 - 001

Series Number

Width of Impeller

Diameter of Impeller

ATBM Series/ADHBM Series
RDHBM Series/RLMBM Series



The ATBM/ADHBM/RDHBM/RLMBM Series Box-type Fan

Aluminum Frame Structure

Channel steel base,not easy to be deformed.

Aluminum frame,easy to be installed,strong structure and low weight.

High quality painted steel plate and Cold Rolled Steel painted with static electronic process can prolong fan life.

Fine seam disposition.Low air leakage.

The box board is made of foaming technology and sound insulation cotton.

Scientific Cabinet Design

Save every possible space.

Confirm strict tolerance of the parts to meet the precision.

Save every possible space to broaden inlet size which introduces the air-stream smoothly.

Motor position and belt length have been arranged without any redundancy.

Access door and side board used as one can save the cabinet size.

High quality parts with high reliability

Heavy duty fan shaft has been turned and grounded and designed at the maximum speed 150%.

Casting iron pulley has long life.

Bearing life is L10: 100000 hours.

Wheel balance level G2.5.

The maximum pressure: 250Pa. no deformation and vibration during using.

Human—oriented design concept benefits the maintenance work.

Access door and side board used as one can save the cabinet size.

Access door designed in both sides and can be opened tool free.

Elegant Shape

Introduce the air-stream according to hydromechanics features to improve fan efficiency and low down noise.

Hyperbolic curve venturi inlet which meets the hydromechanics requirement can reduce airflow noise.

One time shaped inlet cone can avoid turbulence successfully.

Wheel inlet cone perfectly matches the fan inlet can avoid turbulence successfully.

Spoiler used near the outlet can reduce turbulence successfully.

The avoidance of resonance design can reduce the noise caused by it.

Precise Wheel Balancing

Each wheel must be statically and dynamically balanced to the level of G2.5.

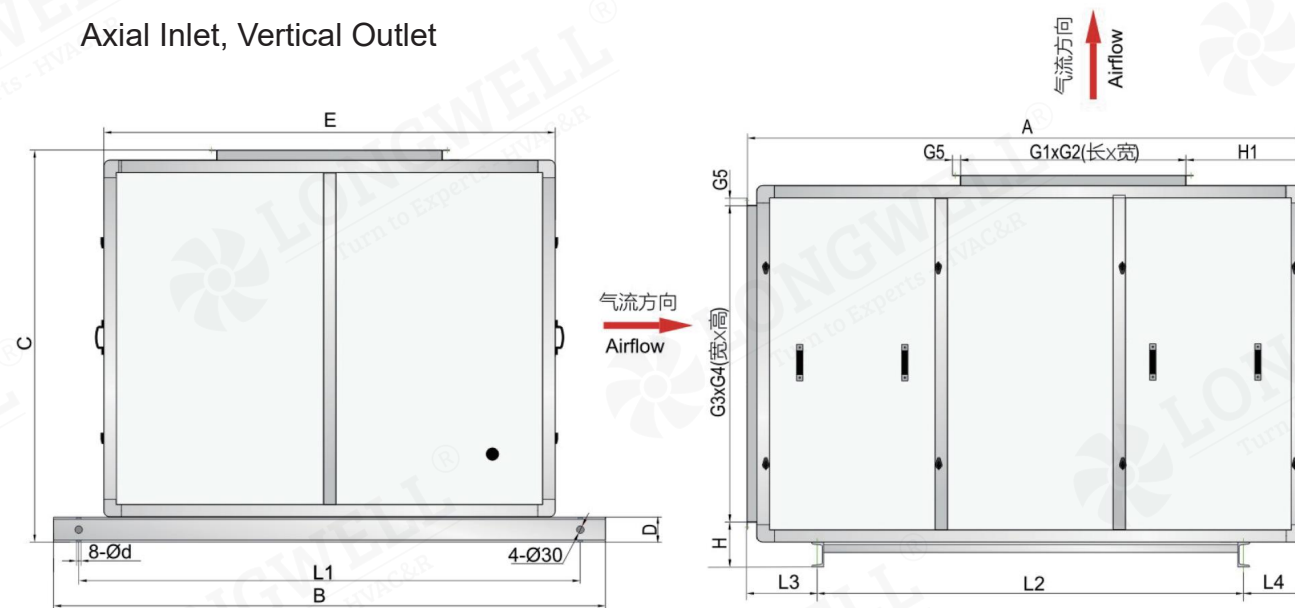
Extend bearing life, decrease shaft vibration and fan noise.

Dual-purpose fans are double inlet centrifugal cabinet fan, The wheel of ATBM&ADHBM is forward curved type, and RDHBM&RLMBM is backward inclined type .The structure of the fan is aluminum frame with insulated painted steep wail housing. You may find our fan not only light but also elegant with low noise. We took the consideration of saving every space so as to reduce fan weight without influence its function which is useful in transportation and installation. What's more, our dual-purpose fans have been designed with human-oriented concept which shows our human-oriented human-machine interface . lionking is devoted to providing our clients with safe, reliable, easily-operated, and elegant ventilation equipment, and also human-oriented ventilation concepts.

All kinds of general ventilation, filtered supply, light industry process ventilation and smoke exhaust application etc. Double-speed motor and VFD motor can be used upon request.

ADHBM/RDHBM Series Fan Overall Dimension

Axial Inlet, Vertical Outlet

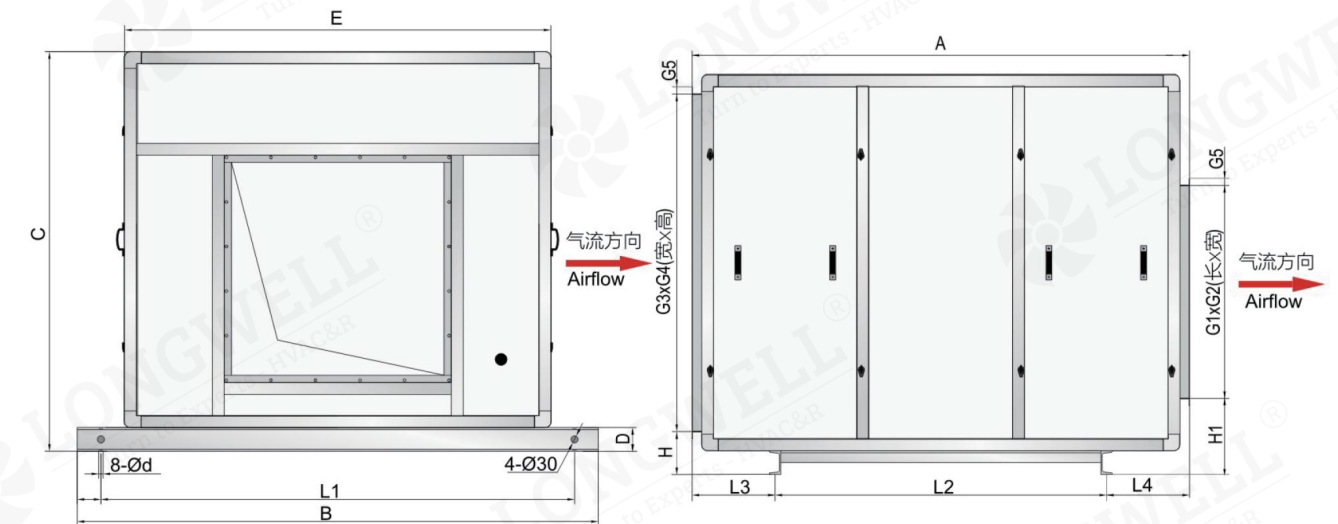


Unit:mm

Model	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	L4	d
ADHBM/RDHBM 8-8	1000	990	600	50	690	111	215	256	256	388	568	30	850	600	220	180	15
ADHBM/RDHBM 9-9	1040	1020	640	50	720	111	214	288	288	428	598	30	880	660	210	170	15
ADHBM/RDHBM 10-10	1090	1050	680	50	750	111	240	322	322	468	628	30	910	680	225	185	15
ADHBM/RDHBM 11-11	1210	1100	733	63	800	125	252	361	361	508	678	30	960	750	240	220	15
ADHBM/RDHBM 12-12	1310	1270	808	63	970	134	281	404	404	536	828	30	1130	880	235	195	15
ADHBM/RDHBM 14-14	1390	1350	868	63	1050	134	306	453	453	623	908	30	1210	1000	215	175	15
ADHBM/RDHBM 16-16	1560	1560	1035	80	1260	151	334.5	507	507	773	1118	30	1420	1070	265	225	15
ADHBM/RDHBM 18-18	1690	1630	1110	80	1330	151	368	569	569	848	1188	30	1470	1170	280	240	15
ADHBM/RDHBM 20-20	1790	1800	1185	80	1400	151	395	638	638	1258	923	30	1600	1240	295	255	15
ADHBM/RDHBM 22-22	1965	1850	1315	100	1450	171	424	715	715	1308	1033	30	1650	1330	338	298	18
ADHBM/RDHBM 24-24	2090	2000	1420	100	1600	171	477	801	801	1138	1458	30	1800	1320	405	365	18
ADHBM/RDHBM 28-28	2220	2200	1560	100	1800	181	470	898	898	1638	1258	30	2000	1700	280	240	18
ADHBM/RDHBM 32-32	2470	2400	1690	100	2010	181	528	1007	1007	1848	1388	30	2200	1790	360	320	18
ADHBM/RDHBM 35-35	2690	2600	1870	100	2210	181	587	1130	1130	2048	1568	30	2400	2100	315	275	18
ADHBM/RDHBM 39-39	2840	2750	2000	100	2360	181	625	1267	1267	2198	1698	30	2550	2200	340	300	18

ADHBM/RDHBM Series Fan Overall Dimension

Axial Inlet and Axial Outlet

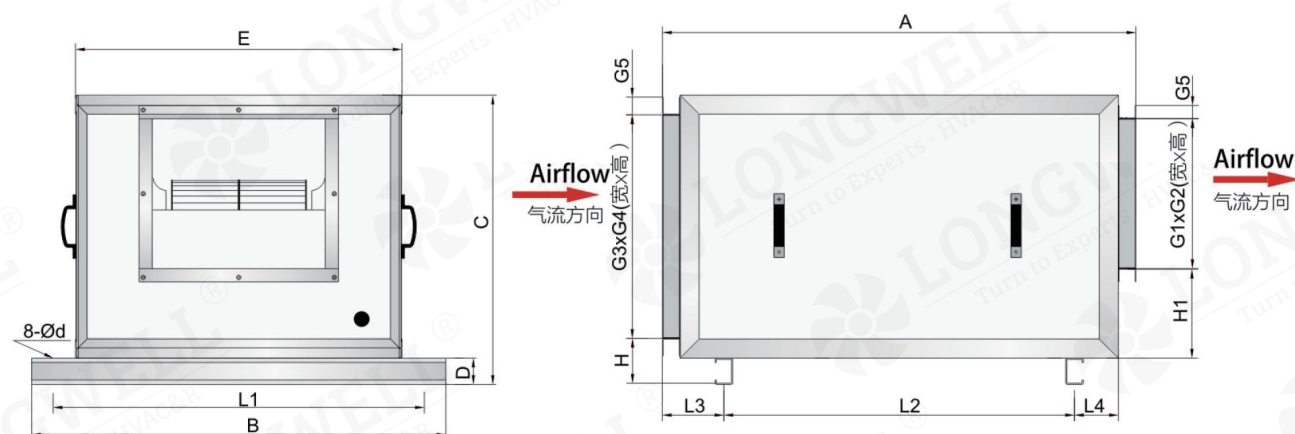


Unit:mm

Model	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	L4	d
ADHBM/RDHBM 8-8	960	990	625	50	690	111	162	256	256	453	568	30	850	600	180	180	15
ADHBM/RDHBM 9-9	1000	1020	670	50	720	111	159	288	288	498	598	30	880	650	175	175	15
ADHBM/RDHBM 10-10	1050	1050	710	50	750	111	162	322	322	538	628	30	910	680	185	185	15
ADHBM/RDHBM 11-11	1120	1100	813	63	800	124	174	361	361	628	678	30	960	720	200	200	15
ADHBM/RDHBM 12-12	1250	1270	878	63	970	134	182	404	404	673	828	30	1130	850	200	200	15
ADHBM/RDHBM 14-14	1300	1350	953	63	1050	134	185	453	453	748	908	30	1210	930	185	185	15
ADHBM/RDHBM 16-16	1480	1560	1130	80	1260	151	279	507	507	908	1118	30	1420	1060	210	210	15
ADHBM/RDHBM 18-18	1550	1630	1220	80	1330	151	280	569	569	998	1188	30	1470	1100	225	225	15
ADHBM/RDHBM 20-20	1600	1800	1310	80	1400	151	280	638	638	1258	1088	30	1600	1160	220	220	15
ADHBM/RDHBM 22-22	1750	1850	1460	100	1450	171	320	715	715	1308	1218	30	1650	1300	225	225	18
ADHBM/RDHBM 24-24	1880	2000	1590	100	1600	171	319	801	801	1458	1348	30	1794	1320	280	280	18
ADHBM/RDHBM 28-28	2100	2200	1685	100	1800	181	319	898	898	1420	1635	30	2000	1400	350	350	18
ADHBM/RDHBM 32-32	2280	2400	1855	100	2010	181	319	1007	1007	1848	1593	30	2200	1600	340	340	18
ADHBM/RDHBM 35-35	2500	2600	2180	100	2210	181	338	1130	1130	2048	1793	30	2400	1700	400	400	18
ADHBM/RDHBM 39-39	2650	2750	2210	100	2360	181	342	1267	1267	2198	1948	30	2550	1900	375	375	18

ATBM Series Fan Overall Dimension

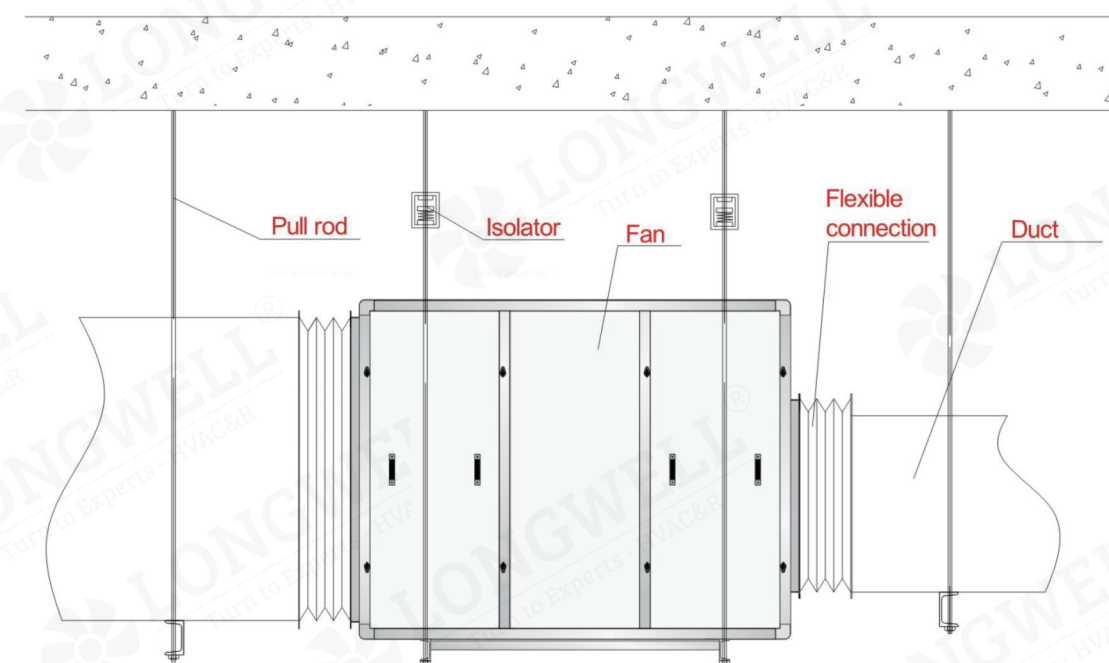
Axial Inlet and Axial Outlet



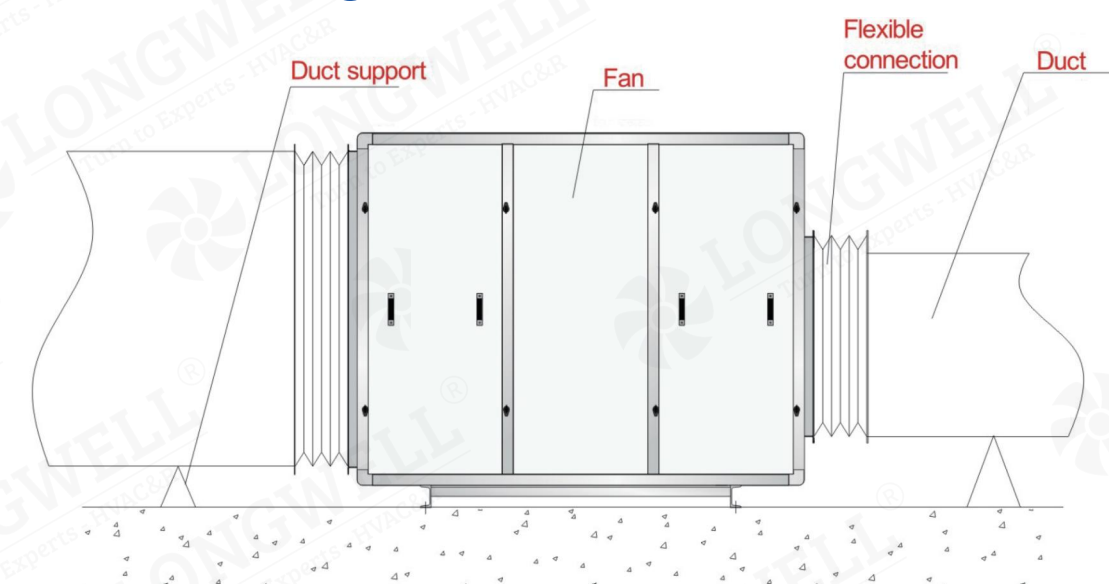
Unit:mm

Model	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	L4	Φd
ATBM7-7	960	990	625	50	690	111	260	259	228	568	453	30	850	600	180	180	15
ATBM8-8	960	990	625	50	690	111	268	337	259	568	453	30	850	600	180	180	15
ATBM9-7	1000	1020	670	50	720	111	287	232	262	598	498	30	880	650	175	175	15
ATBM9-9	1000	1020	670	50	720	111	287	298	262	598	498	30	880	650	175	175	15
ATBM10-8	1050	1050	710	50	750	111	318	265	289	628	538	30	910	680	185	185	15
ATBM10-10	1050	1050	710	50	750	111	318	331	289	628	538	30	910	680	185	185	15
ATBM12-9	1120	1100	813	63	800	124	352	309	341	678	628	30	960	720	200	200	15
ATBM12-12	1120	1100	813	63	800	124	352	395	341	678	628	30	960	720	200	200	15
ATBM15-11	1250	1270	878	63	970	134	391	373	404	828	673	30	1130	850	200	200	15
ATBM15-15	1250	1270	878	63	970	134	391	471	404	828	673	30	1130	850	200	200	15
ATBM18-13	1480	1560	1130	80	1260	151	543	430	478	1118	908	30	1420	1060	210	210	15
ATBM18-18	1480	1560	1130	80	1260	151	543	557	478	1118	908	30	1420	1060	210	210	15

ATBM/ADHBM/RDHBM Ceiling Installation Schematic Diagram



ATBM/ADHBM/RDHBM Floor Installation Schematic Diagram



ATBM 7-7 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

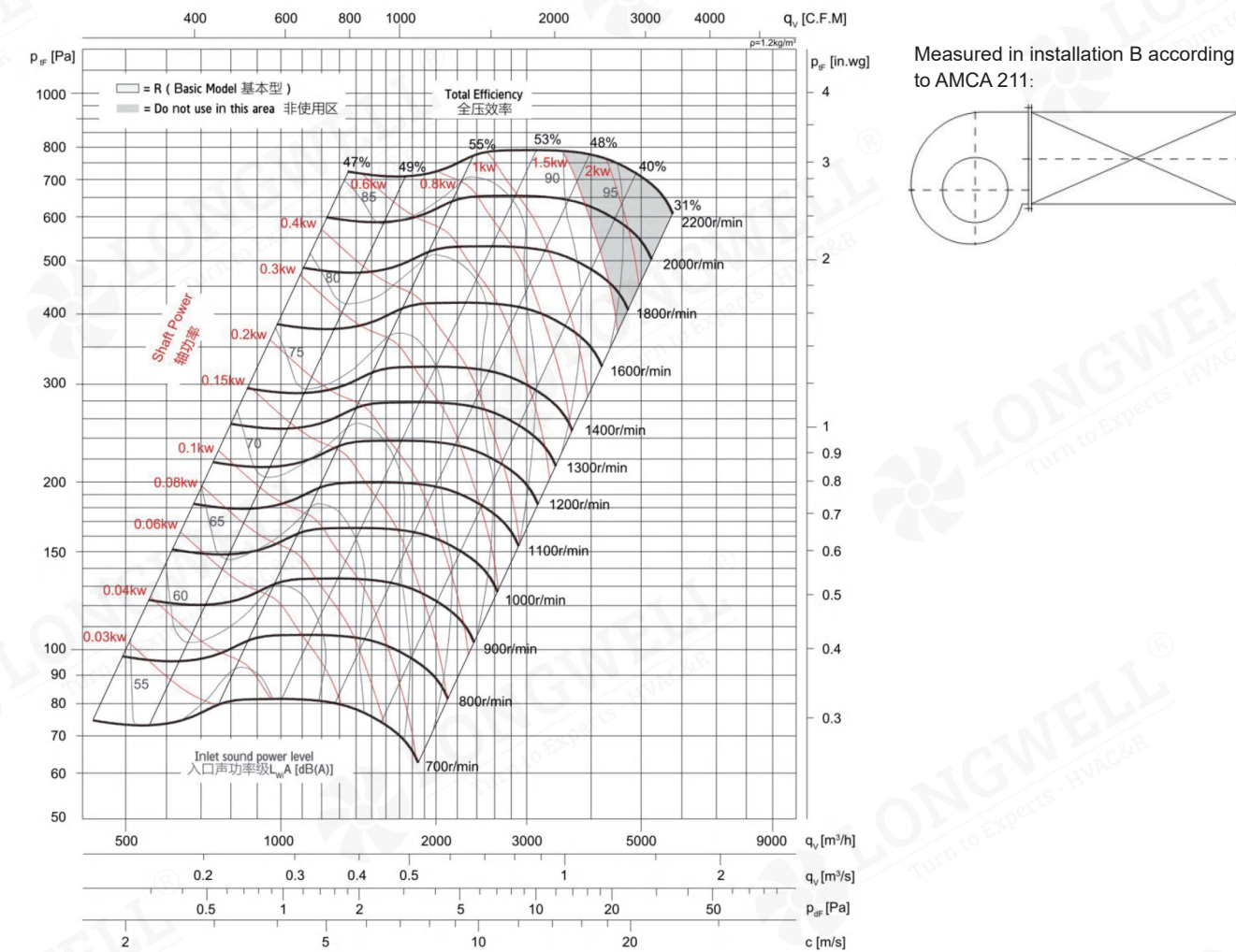
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
47%	-40	-30	-27	-25	-26	-29	-33	-39	dB(A)
49%	-45	-33	-29	-26	-25	-28	-30	-37	dB(A)
55%	-43	-31	-28	-27	-26	-29	-31	-38	dB(A)
53%	-47	-34	-30	-26	-25	-28	-29	-36	dB(A)
48%	-51	-37	-32	-26	-25	-28	-28	-34	dB(A)
40%	-54	-40	-35	-26	-25	-28	-28	-33	dB(A)
31%	-56	-41	-36	-27	-25	-28	-48	-13	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
47%	-15	-8	-7	-6	-7	-10	-14	-20	dB(A)
49%	-19	-11	-8	-6	-6	-9	-11	-17	dB(A)
55%	-18	-10	-7	-7	-6	-9	-11	-18	dB(A)
53%	-19	-10	-7	-7	-6	-9	-11	-17	dB(A)
48%	-23	-13	-9	-6	-5	-9	-9	-15	dB(A)
40%	-24	-14	-11	-6	-5	-8	-8	-14	dB(A)
31%	-25	-14	-11	-6	-5	-8	-8	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
7 inch	0.009kg·m²	2200r/min	35kg

ATBM 8-8 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

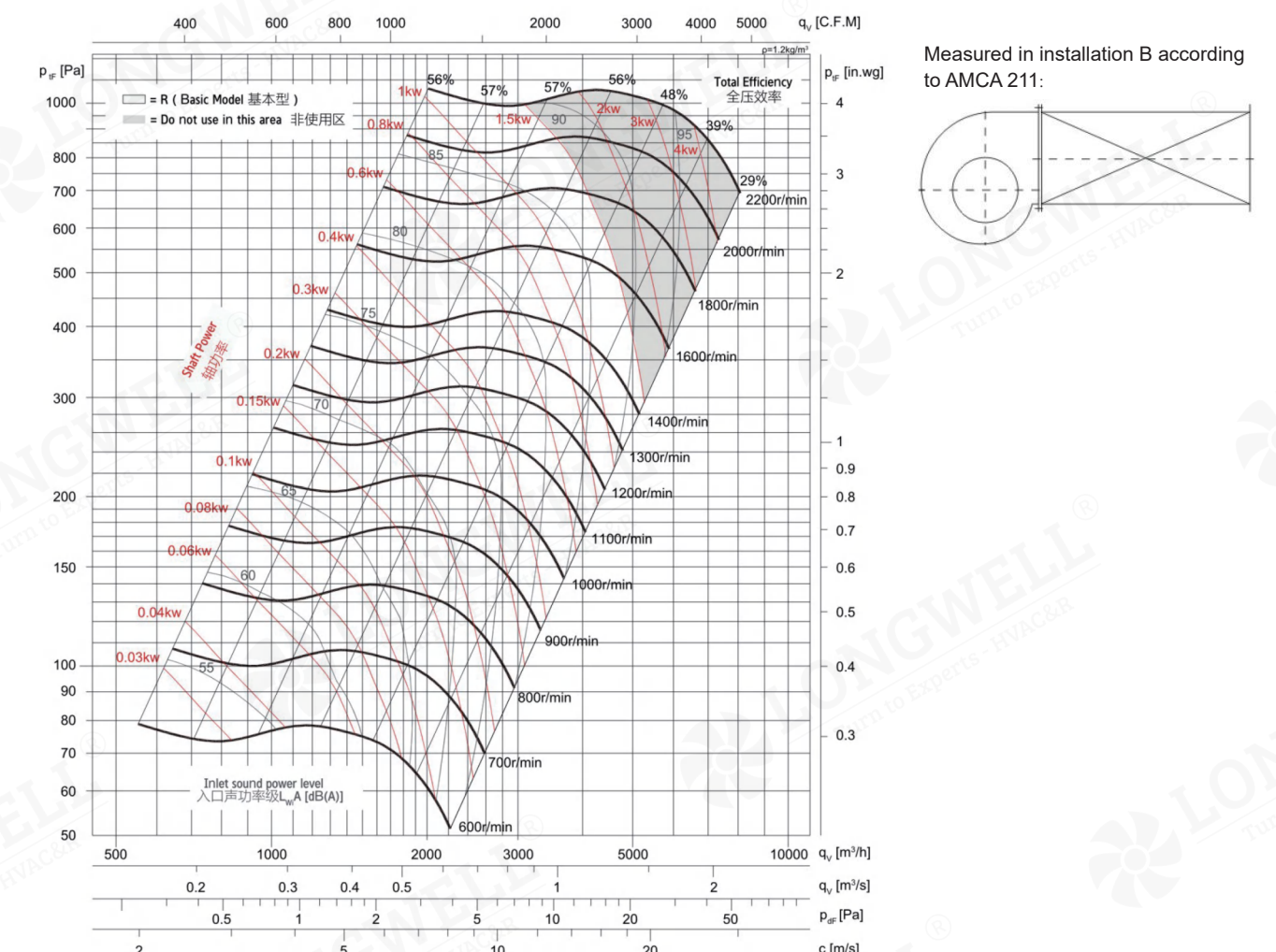
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
56%	-42	-31	-26	-28	-27	-29	-30	-37	dB(A)
57%	-42	-33	-27	-28	-26	-27	-28	-35	dB(A)
57%	-43	-36	-30	-28	-26	-26	-27	-33	dB(A)
56%	-44	-36	-30	-29	-26	-26	-27	-32	dB(A)
48%	-45	-37	-31	-29	-26	-26	-26	-32	dB(A)
39%	-48	-38	-32	-30	-27	-27	-25	-30	dB(A)
29%	-50	-39	-33	-30	-27	-27	-25	-29	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
56%	-17	-9	-6	-8	-7	-9	-10	-17	dB(A)
57%	-16	-11	-7	-8	-7	-8	-9	-16	dB(A)
57%	-16	-12	-8	-9	-7	-7	-8	-14	dB(A)
56%	-16	-12	-7	-9	-7	-7	-8	-14	dB(A)
48%	-17	-12	-7	-9	-7	-7	-7	-13	dB(A)
39%	-19	-13	-9	-10	-7	-8	-6	-11	dB(A)
29%	-20	-13	-10	-10	-8	-8	-5	-10	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
8 inch	0.015kg·m²	2200r/min	40kg

ATBM 9-7 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

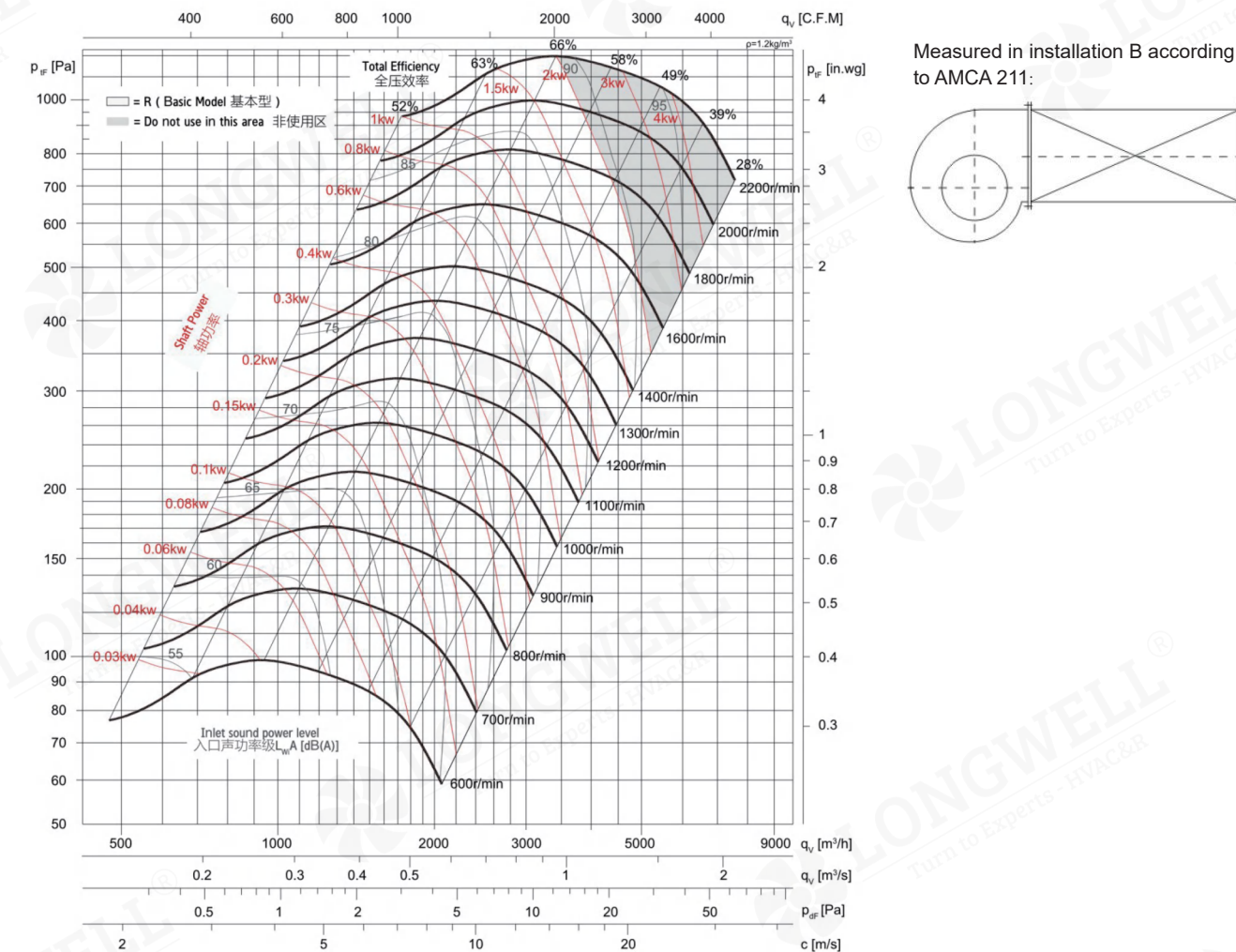
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-46	-34	-27	-26	-27	-29	-30	-37	dB(A)
63%	-50	-38	-30	-27	-26	-27	-28	-35	dB(A)
66%	-51	-39	-31	-27	-26	-26	-27	-33	dB(A)
58%	-50	-37	-32	-29	-26	-26	-27	-32	dB(A)
49%	-50	-37	-32	-30	-26	-26	-26	-32	dB(A)
39%	-50	-38	-32	-30	-27	-27	-25	-30	dB(A)
28%	-51	-40	-31	-32	-27	-27	-25	-29	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-21	-11	-6	-6	-6	-9	-12	-19	dB(A)
63%	-21	-14	-8	-7	-6	-8	-8	-13	dB(A)
66%	-22	-14	-8	-8	-6	-8	-8	-13	dB(A)
58%	-21	-12	-8	-8	-6	-8	-8	-13	dB(A)
49%	-21	-12	-8	-9	-6	-7	-7	-13	dB(A)
39%	-21	-13	-8	-10	-7	-7	-6	-11	dB(A)
28%	-21	-14	-8	-11	-8	-8	-6	-10	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
9 inch	0.029kg·m²	2200r/min	42kg

ATBM 9-9 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

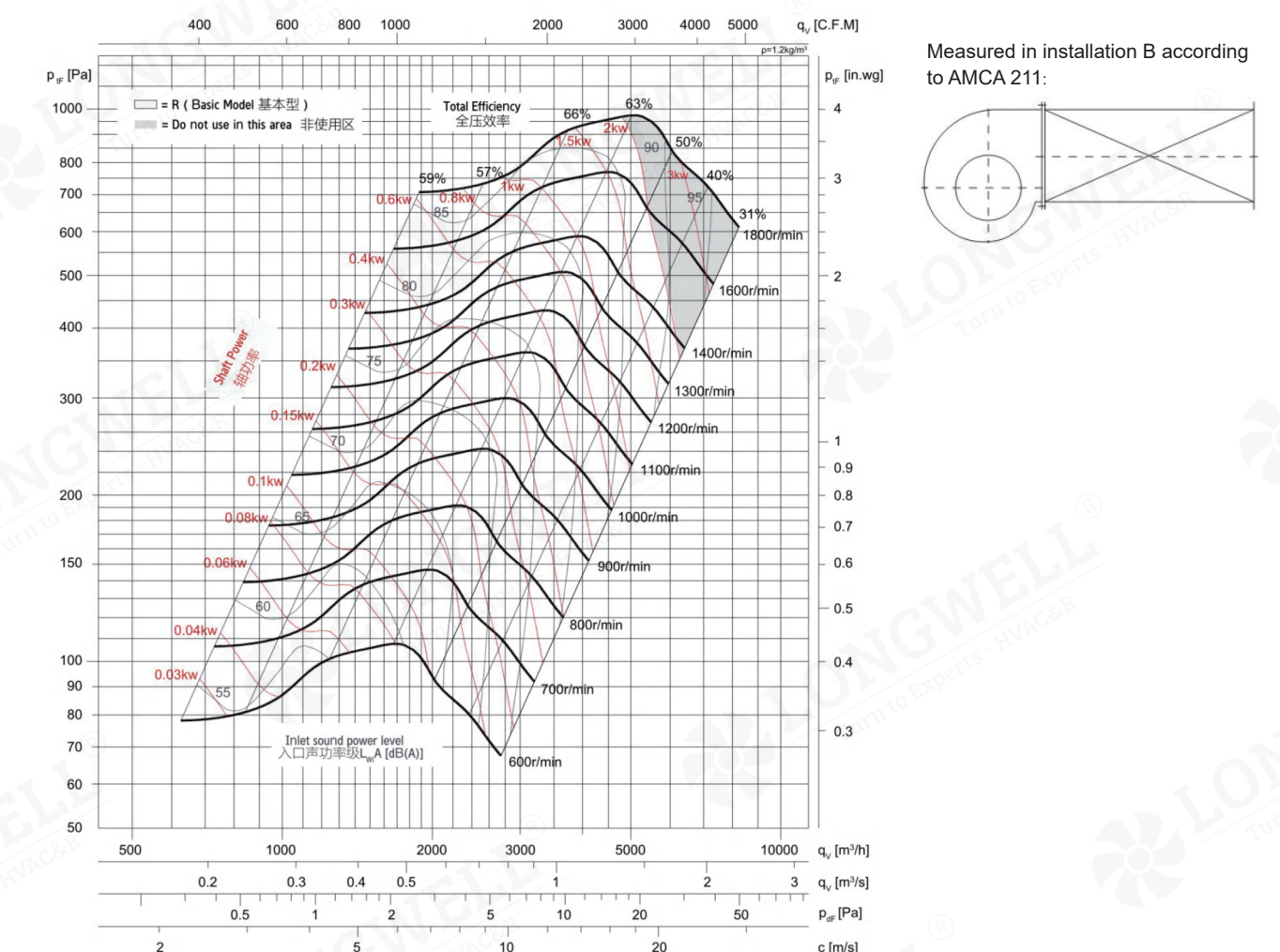
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
59%	-36	-29	-37	-26	-27	-31	-34	-34	dB(A)
57%	-39	-31	-37	-25	-26	-29	-32	-37	dB(A)
66%	-41	-32	-39	-27	-26	-28	-29	-35	dB(A)
63%	-44	-35	-32	-29	-26	-27	-26	-33	dB(A)
50%	-46	-39	-33	-30	-26	-26	-26	-31	dB(A)
40%	-47	-41	-33	-30	-26	-26	-25	-30	dB(A)
31%	-49	-46	-34	-32	-27	-26	-25	-29	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
59%	-13	-8	-7	-6	-7	-12	-15	-15	dB(A)
57%	-15	-9	-7	-6	-7	-10	-13	-18	dB(A)
66%	-15	-9	-8	-7	-6	-8	-10	-16	dB(A)
63%	-16	-11	-9	-8	-6	-8	-8	-15	dB(A)
50%	-17	-13	-9	-9	-7	-7	-7	-13	dB(A)
40%	-18	-15	-9	-10	-7	-7	-6	-11	dB(A)
31%	-18	-18	-10	-11	-7	-7	-6	-9	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
9 inch	0.034kg·m²	1800r/min	45kg

ATBM 10-8 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

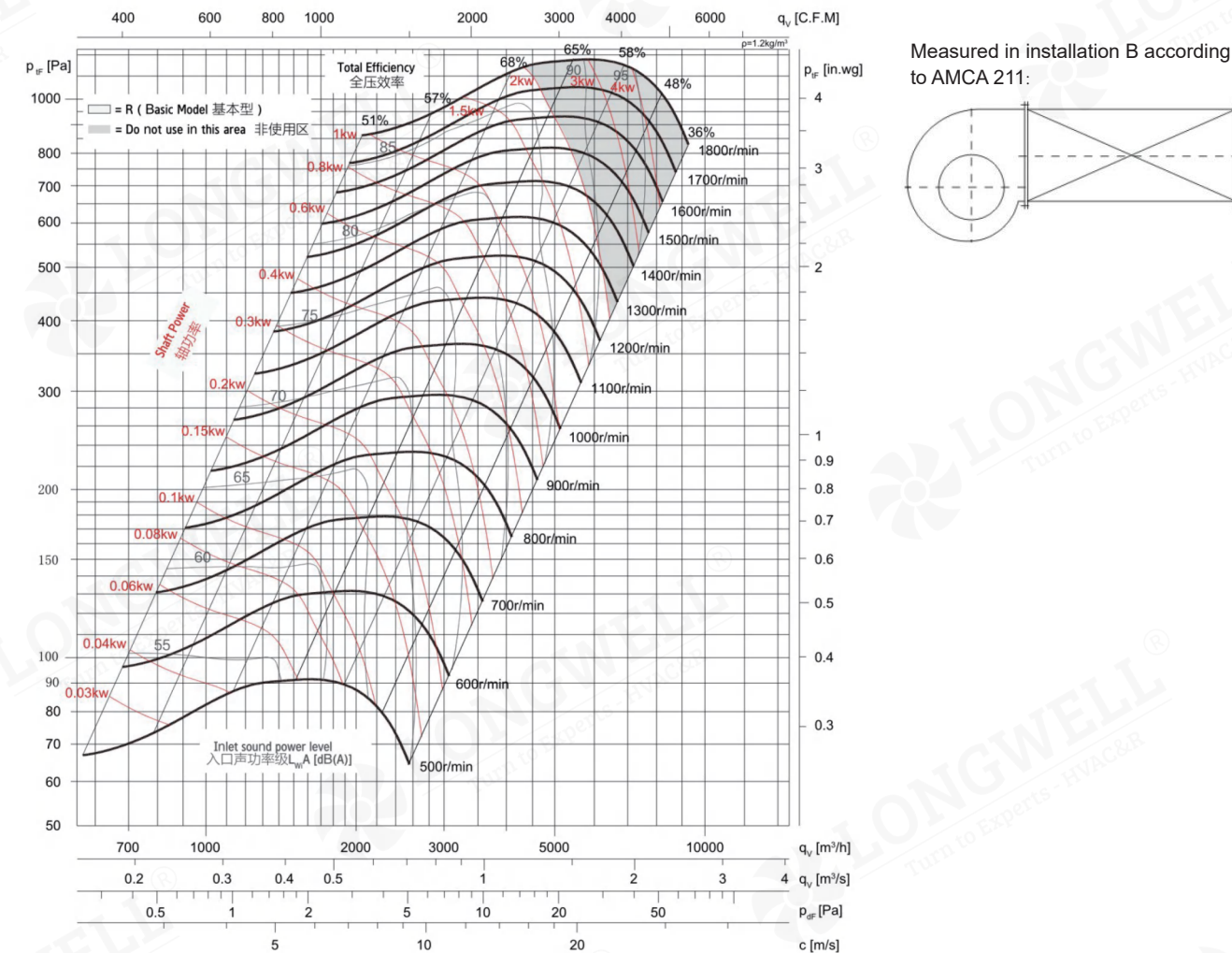
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-47	-30	-27	-26	-26	-29	-32	-40	dB(A)
57%	-47	-30	-27	-26	-26	-29	-33	-41	dB(A)
68%	-49	-31	-31	-28	-25	-28	-29	-36	dB(A)
65%	-50	-31	-32	-29	-25	-28	-28	-35	dB(A)
58%	-54	-36	-34	-31	-25	-26	-26	-32	dB(A)
48%	-56	-38	-34	-32	-26	-26	-26	-32	dB(A)
36%	-58	-41	-34	-32	-26	-26	-25	-31	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-24	-9	-7	-6	-6	-9	-12	-20	dB(A)
57%	-23	-8	-6	-6	-7	-10	-13	-21	dB(A)
68%	-23	-8	-10	-8	-5	-8	-9	-16	dB(A)
65%	-23	-7	-9	-9	-6	-9	-9	-16	dB(A)
58%	-25	-10	-10	-11	-6	-7	-7	-13	dB(A)
48%	-27	-11	-10	-11	-6	-7	-6	-12	dB(A)
36%	-27	-14	-10	-11	-6	-7	-6	-12	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
10 inch	0.047kg·m²	1800r/min	46kg

ATBM 10-10 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

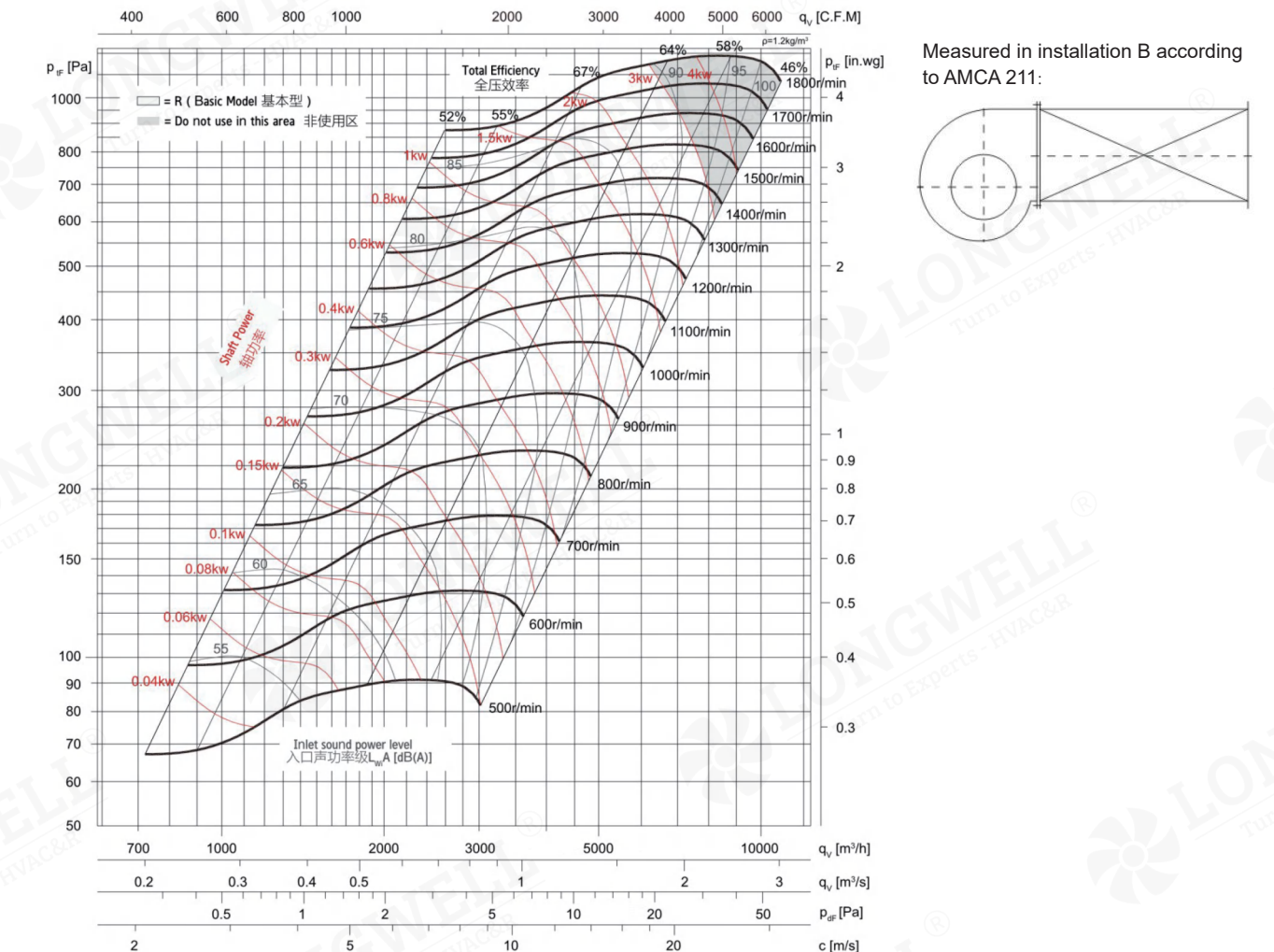
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-44	-32	-27	-25	-26	-28	-31	-38	dB(A)
55%	-43	-31	-26	-25	-27	-29	-31	-40	dB(A)
67%	-47	-35	-30	-27	-25	-7	-28	-34	dB(A)
64%	-51	-38	-33	-29	-25	-26	-27	-33	dB(A)
58%	-55	-42	-36	-31	-26	-25	-26	-32	dB(A)
46%	-64	-51	-43	-37	-29	-26	-25	-31	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-20	-10	-7	-6	-7	-9	-12	-19	dB(A)
55%	-18	-9	-6	-6	-8	-10	-13	-20	dB(A)
67%	-20	-10	-9	-7	-5	-8	-10	-16	dB(A)
64%	-23	-12	-10	-8	-5	-7	-8	-14	dB(A)
58%	-26	-14	-12	-11	-5	-6	-7	-13	dB(A)
46%	-34	-23	-19	-16	-6	-4	-5	-12	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
10 inch	0.055kg·m²	1800r/min	50kg

ATBM 12-9 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

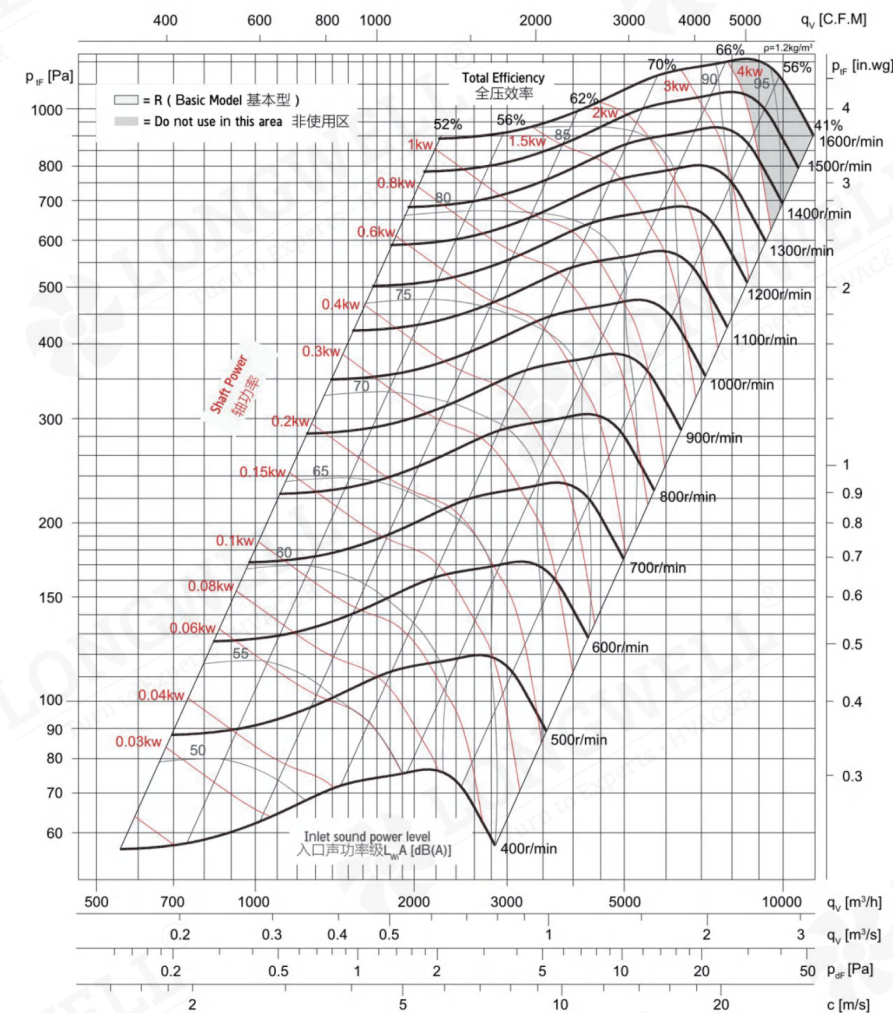
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-40	-30	-28	-26	-26	-28	-31	-38	dB(A)
56%	-45	-32	-30	-27	-25	-27	-29	-37	dB(A)
62%	-49	-34	-31	-28	-25	-27	-28	-37	dB(A)
70%	-52	-36	-33	-28	-25	-27	-28	-35	dB(A)
66%	-55	-39	-35	-29	-24	-26	-27	-33	dB(A)
56%	-51	-39	-35	-30	-25	-26	-27	-32	dB(A)
41%	-48	-39	-35	-31	-25	-26	-27	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-16	-8	-8	-6	-7	-9	-12	-19	dB(A)
56%	-19	-9	-9	-7	-6	-8	-10	-18	dB(A)
62%	-22	-11	-10	-8	-5	-7	-8	-17	dB(A)
70%	-24	-11	-9	-8	-5	-8	-9	-16	dB(A)
66%	-26	-13	-11	-9	-5	-7	-8	-15	dB(A)
56%	-22	-12	-11	-10	-5	-7	-8	-13	dB(A)
41%	-18	-13	-12	-10	-5	-7	-8	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
12 inch	0.097kg·m²	1600r/min	85kg

ATBM 12-12 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

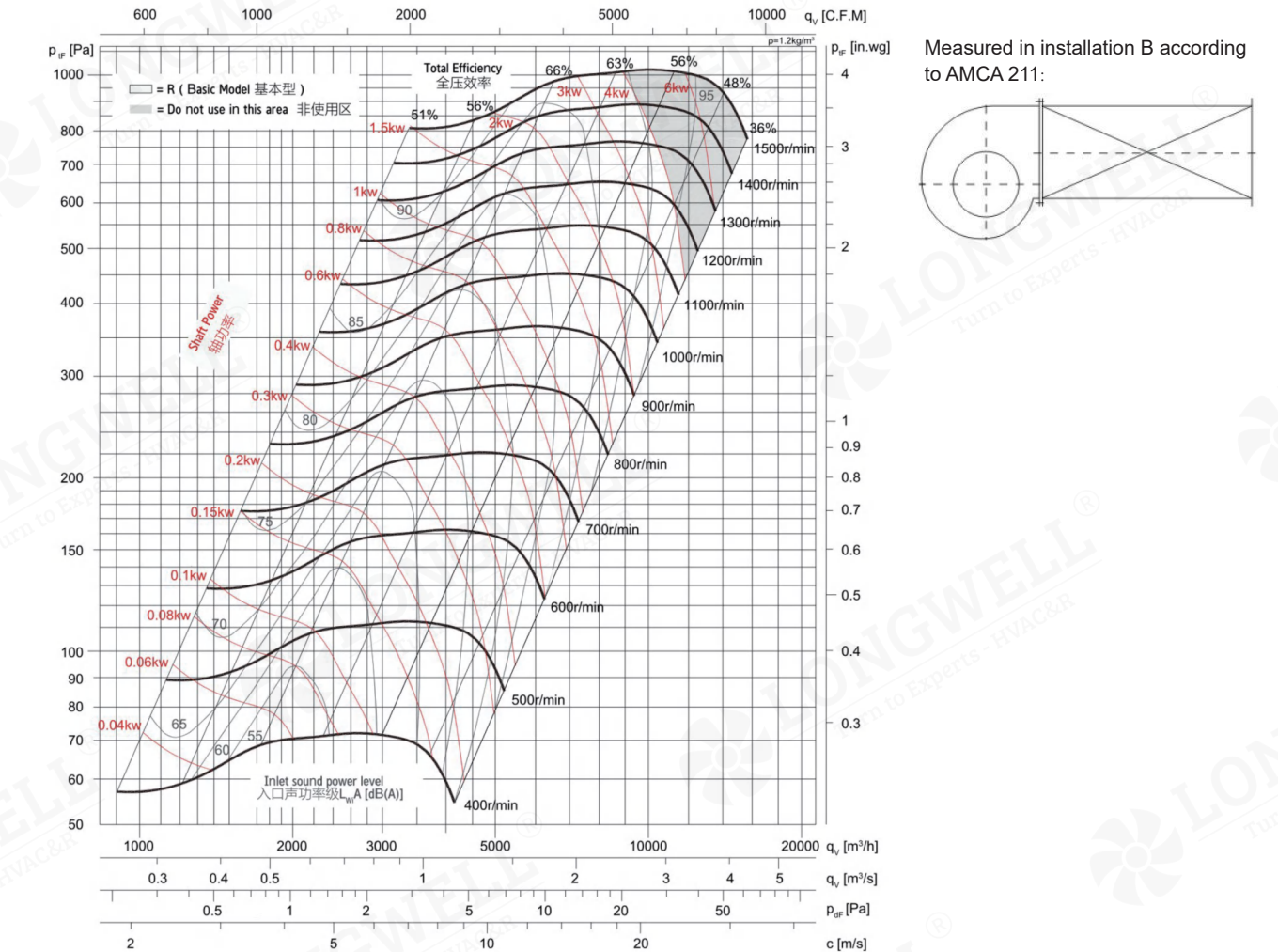
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-51	-38	-33	-28	-26	-25	-28	-35	dB(A)
56%	-56	-43	-36	-29	-27	-24	-27	-34	dB(A)
66%	-45	-33	-30	-27	-25	-26	-30	-36	dB(A)
63%	-48	-35	-31	-27	-25	-26	-29	-35	dB(A)
56%	-53	-40	-35	-28	-26	-25	-27	-34	dB(A)
48%	-55	-42	-36	-29	-26	-25	-26	-32	dB(A)
36%	-55	-42	-36	-29	-26	-25	-26	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-25	-14	-12	-8	-6	-5	-8	-15	dB(A)
56%	-30	-19	-15	-8	-7	-4	-7	-15	dB(A)
66%	-18	-10	-9	-7	-6	-7	-11	-17	dB(A)
63%	-20	-11	-8	-7	-6	-7	-11	-17	dB(A)
56%	-24	-14	-10	-7	-6	-6	-8	-15	dB(A)
48%	-26	-15	-12	-9	-7	-6	-7	-13	dB(A)
36%	-25	-16	-12	-8	-6	-6	-7	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
12 inch	0.12kg·m²	1500r/min	100kg

ATBM 15-11 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

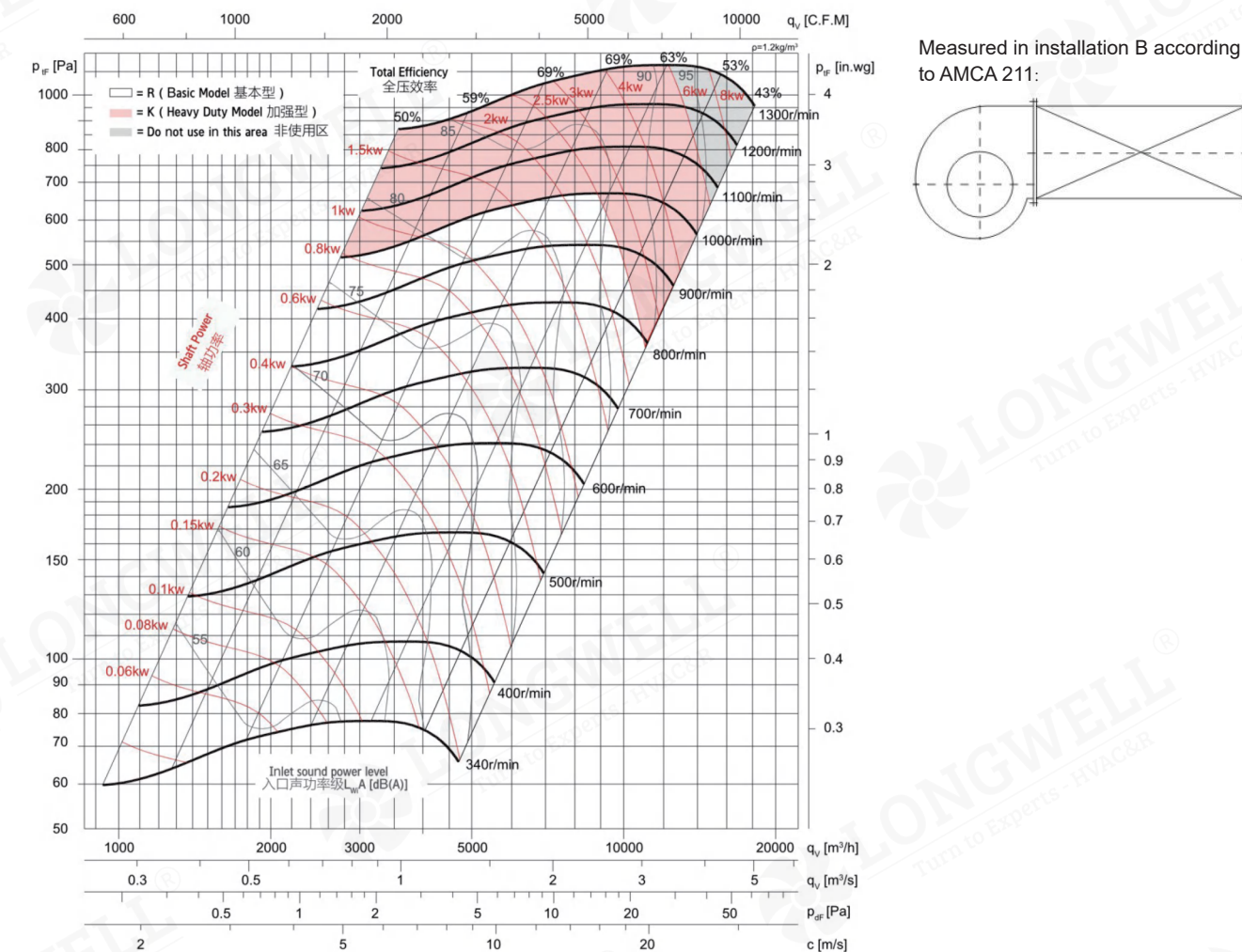
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-35	-29	-29	-26	-25	-29	-33	-39	dB(A)
56%	-43	-33	-31	-26	-25	-27	-30	-37	dB(A)
66%	-52	-39	-34	-26	-25	-27	-28	-36	dB(A)
63%	-51	-38	-34	-26	-25	-27	-28	-36	dB(A)
56%	-53	-39	-35	-28	-25	-26	-27	-34	dB(A)
48%	-55	-52	-38	-31	-25	-25	-26	-32	dB(A)
36%	-53	-52	-39	-32	-27	-25	-26	-31	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
51%	-9	-8	-8	-8	-7	-9	-14	-19	dB(A)
56%	-17	-10	-10	-6	-6	-8	-14	-18	dB(A)
66%	-26	-15	-13	-6	-5	-7	-8	-16	dB(A)
63%	-22	-13	-10	-6	-6	-8	-9	-17	dB(A)
56%	-24	-13	-11	-7	-5	-7	-8	-16	dB(A)
48%	-26	-15	-14	-10	-5	-6	-7	-13	dB(A)
36%	-23	-16	-15	-11	-7	-5	-6	-11	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
15 inch	0.19kg·m²	1300r/min	130kg

ATBM 15-15 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

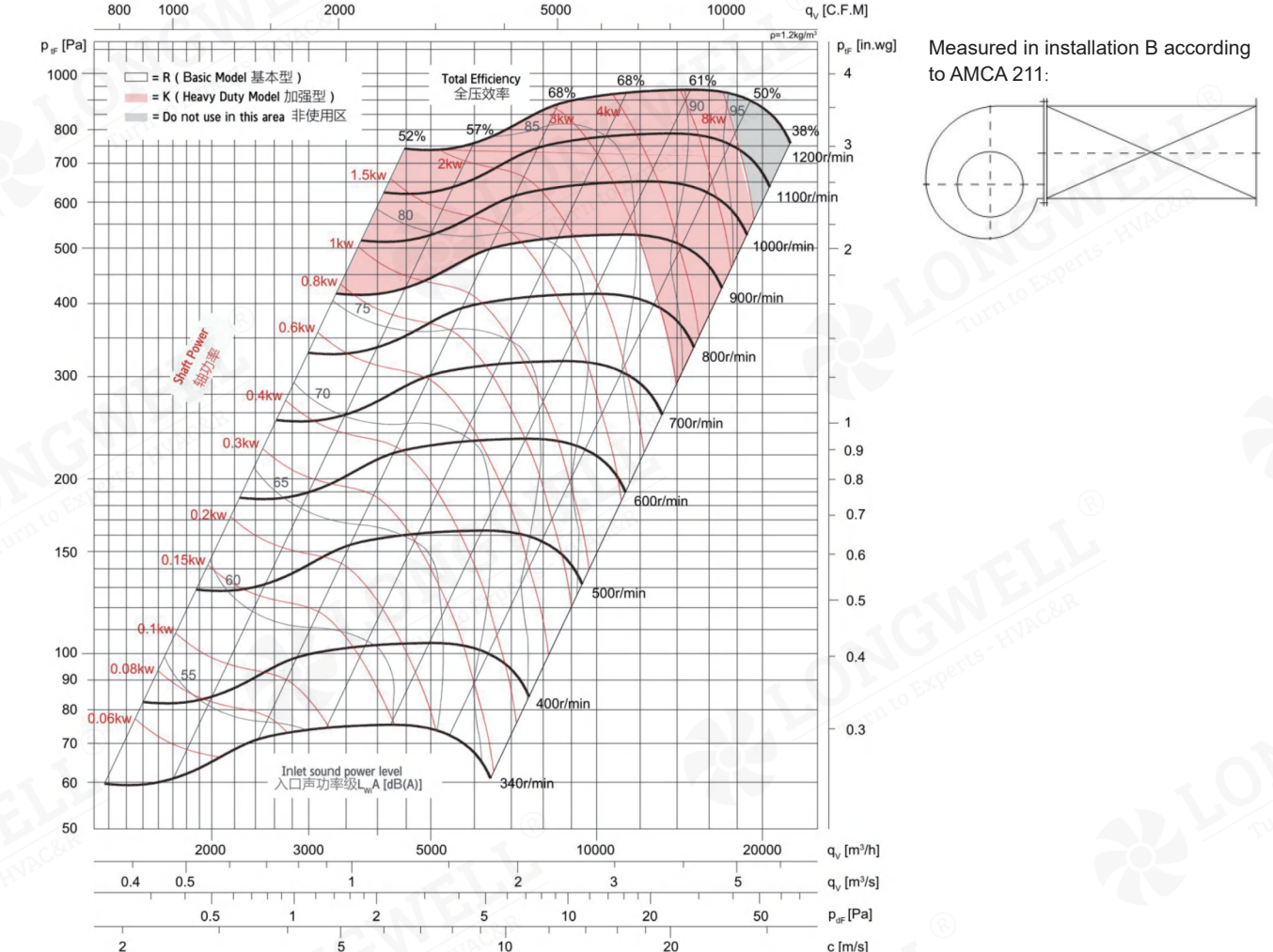
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-42	-29	-31	-26	-26	-27	-30	-37	dB(A)
57%	-44	-30	-32	-26	-26	-27	-29	-37	dB(A)
68%	-49	-35	-34	-26	-26	-26	-28	-35	dB(A)
68%	-50	-35	-34	-27	-26	-26	-28	-35	dB(A)
61%	-52	-36	-35	-27	-26	-26	-27	-34	dB(A)
50%	-57	-41	-38	-30	-26	-25	-26	-32	dB(A)
38%	-53	-40	-37	-31	-27	-25	-25	-31	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-16	-8	-10	-6	-6	-8	-11	-18	dB(A)
57%	-18	-8	-10	-6	-7	-8	-10	-17	dB(A)
68%	-23	-11	-13	-6	-6	-6	-9	-16	dB(A)
68%	-22	-11	-10	-6	-6	-7	-9	-16	dB(A)
61%	-23	-10	-11	-7	-6	-7	-9	-16	dB(A)
50%	-27	-15	-14	-9	-6	-6	-7	-13	dB(A)
38%	-23	-14	-13	-10	-7	-6	-6	-11	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
15 inch	0.23kg·m²	1200r/min	140kg

ATBM 18-13 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

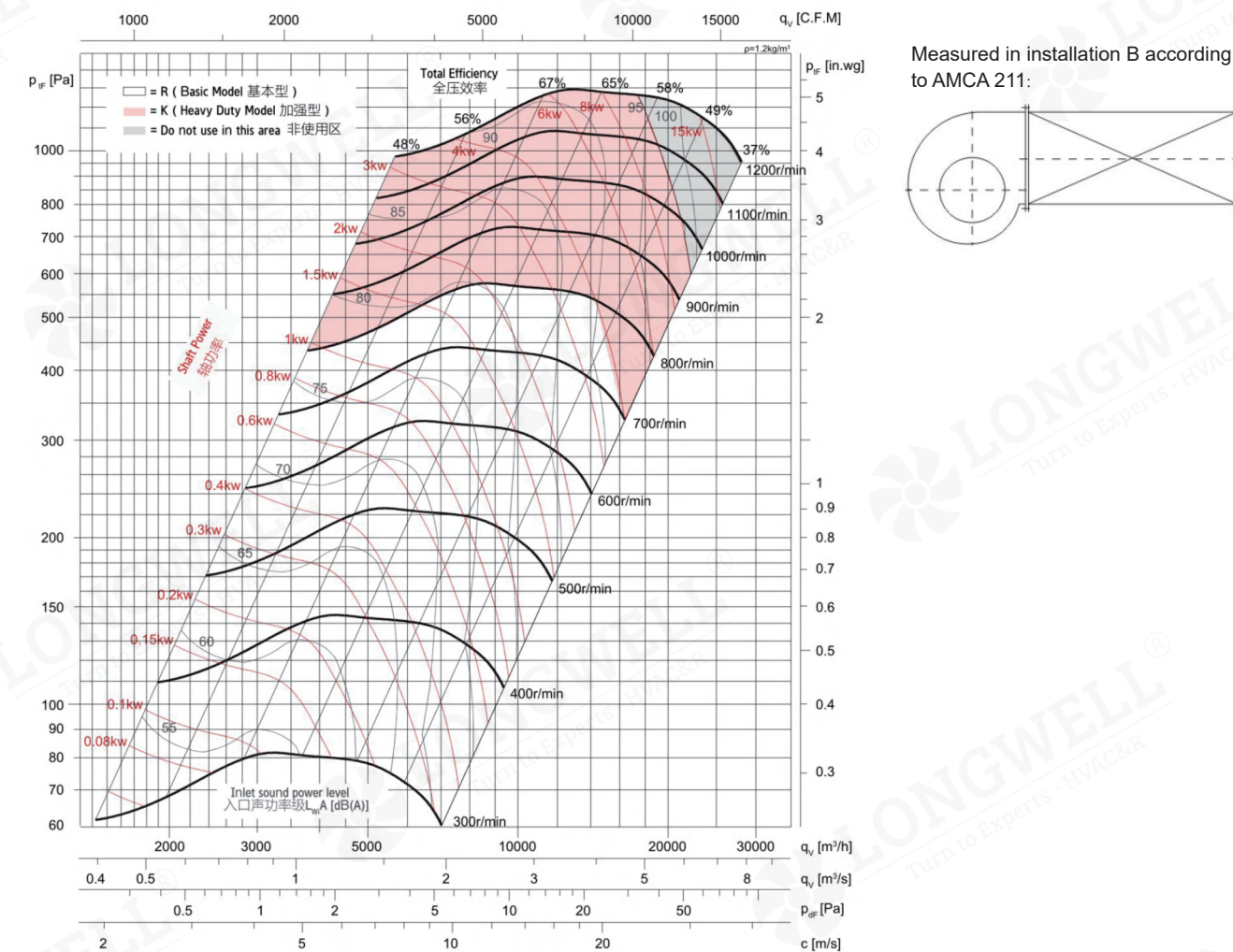
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
48%	-40	-28	-29	-25	-27	-28	-33	-40	dB(A)
56%	-45	-32	-31	-24	-27	-27	-31	-38	dB(A)
67%	-52	-36	-33	-24	-28	-27	-30	-37	dB(A)
65%	-52	-36	-33	-24	-28	-27	-30	-37	dB(A)
58%	-55	-38	-35	-25	-27	-26	-29	-36	dB(A)
49%	-59	-42	-38	-26	-26	-25	-28	-34	dB(A)
37%	-56	-41	-40	-29	-25	-24	-27	-33	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
48%	-15	-7	-8	-6	-8	-9	-14	-21	dB(A)
56%	-19	-9	-9	-4	-8	-8	-12	-19	dB(A)
67%	-25	-12	-12	-4	-8	-7	-11	-18	dB(A)
65%	-23	-10	-9	-4	-9	-8	-11	-18	dB(A)
58%	-26	-12	-11	-4	-8	-7	-10	-17	dB(A)
49%	-29	-16	-15	-6	-6	-6	-9	-15	dB(A)
37%	-26	-15	-16	-8	-5	-5	-8	-14	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
18 inch	0.46kg·m²	1200r/min	180kg

ATBM 18-18 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

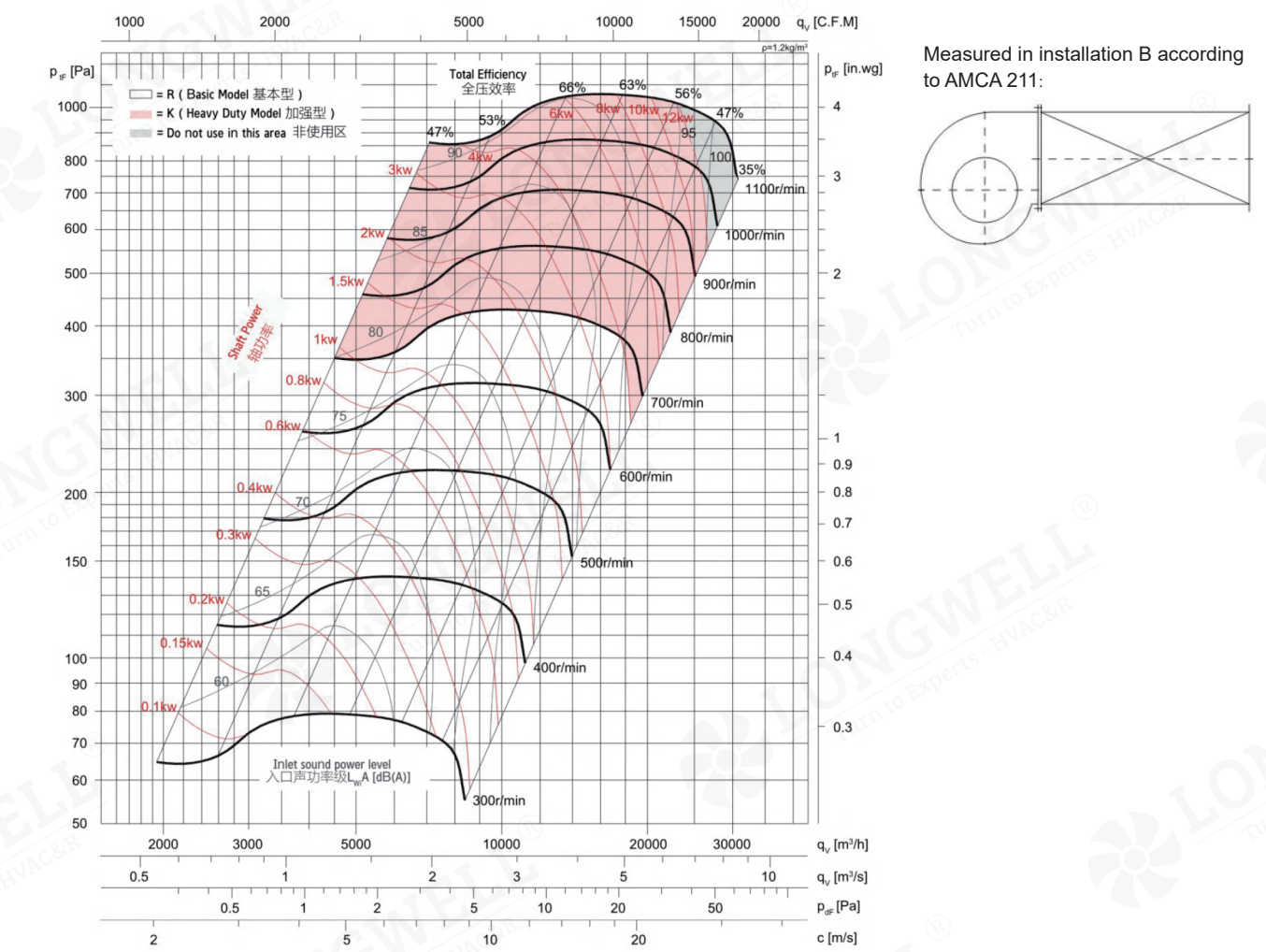
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
47%	-35	-27	-29	-27	-27	-29	-33	-40	dB(A)
53%	-46	-35	-33	-23	-28	-27	-32	-38	dB(A)
66%	-45	-35	-33	-23	-28	-27	-32	-37	dB(A)
63%	-46	-35	-33	-24	-28	-27	-32	-37	dB(A)
56%	-49	-37	-34	-24	-27	-26	-30	-36	dB(A)
47%	-54	-40	-36	-26	-26	-25	-28	-34	dB(A)
35%	-47	-34	-34	-28	-27	-26	-28	-33	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
47%	-10	-7	-8	-7	-7	-9	-13	-22	dB(A)
53%	-19	-12	-11	-4	-8	-7	-12	-21	dB(A)
66%	-19	-11	-12	-3	-8	-7	-13	-21	dB(A)
63%	-17	-9	-9	-4	-9	-8	-13	-21	dB(A)
56%	-20	-11	-10	-4	-8	-7	-12	-19	dB(A)
47%	-24	-14	-13	-6	-6	-6	-9	-14	dB(A)
35%	-17	-8	-11	-7	-7	-7	-9	-12	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
18 inch	0.57kg·m²	1100r/min	200kg

ADHBM 8-8 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

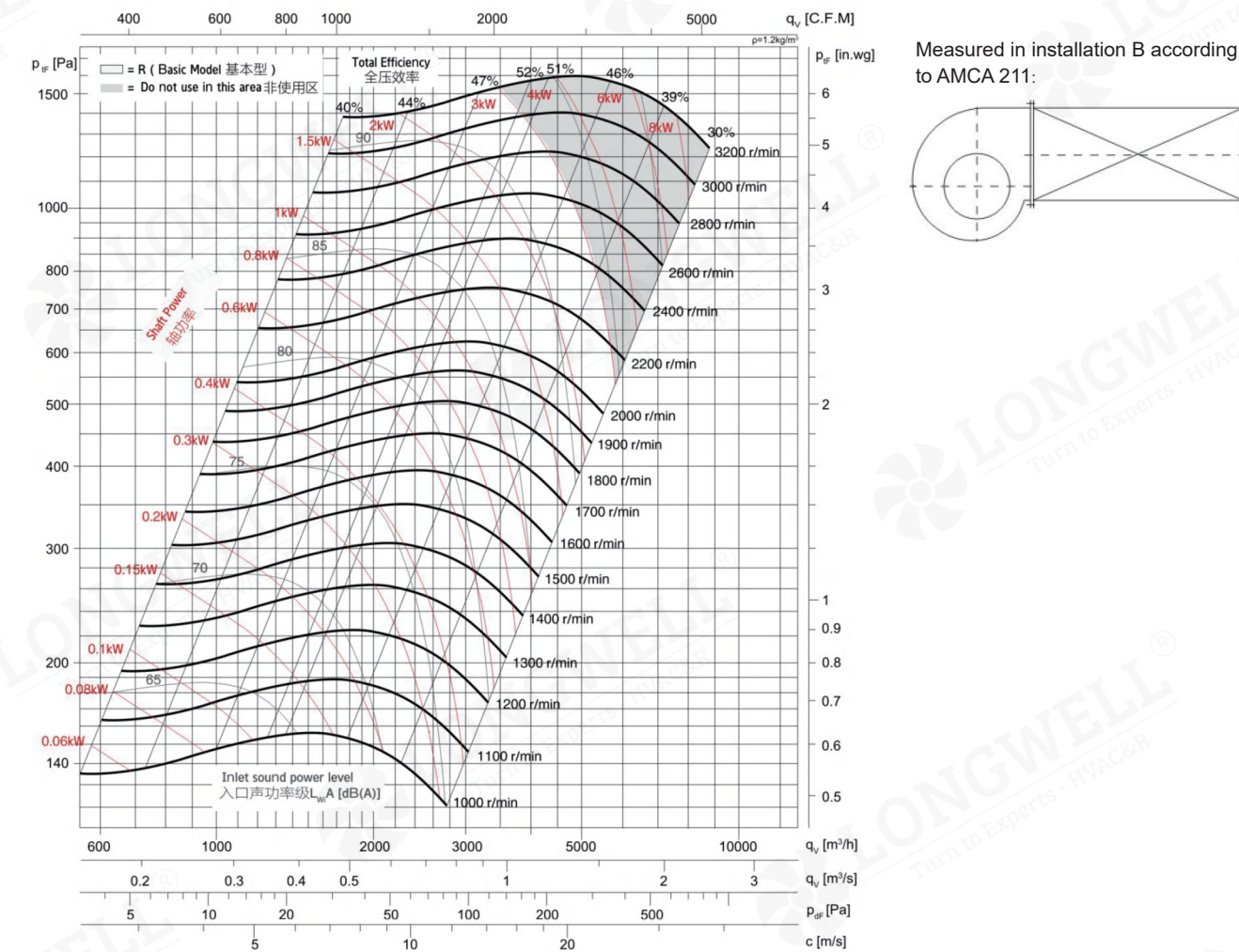
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
44%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
47%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
52%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
51%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
46%	-37	-35	-30	-30	-26	-27	-27	-32	dB(A)
39%	-46	-37	-33	-32	-26	-26	-26	-30	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-13	-8	-7	-8	-7	-8	-11	-17	dB(A)
44%	-15	-9	-6	-8	-7	-8	-11	-15	dB(A)
47%	-12	-10	-7	-9	-7	-8	-10	-15	dB(A)
52%	-9	-10	-9	-10	-7	-8	-10	-15	dB(A)
51%	-8	-11	-9	-10	-7	-8	-9	-14	dB(A)
46%	-9	-11	-11	-11	-6	-8	-8	-13	dB(A)
39%	-17	-11	-11	-12	-7	-6	-7	-11	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
200mm	0.015kg·m²	3200r/min	57kg

ADHBM 9-9 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

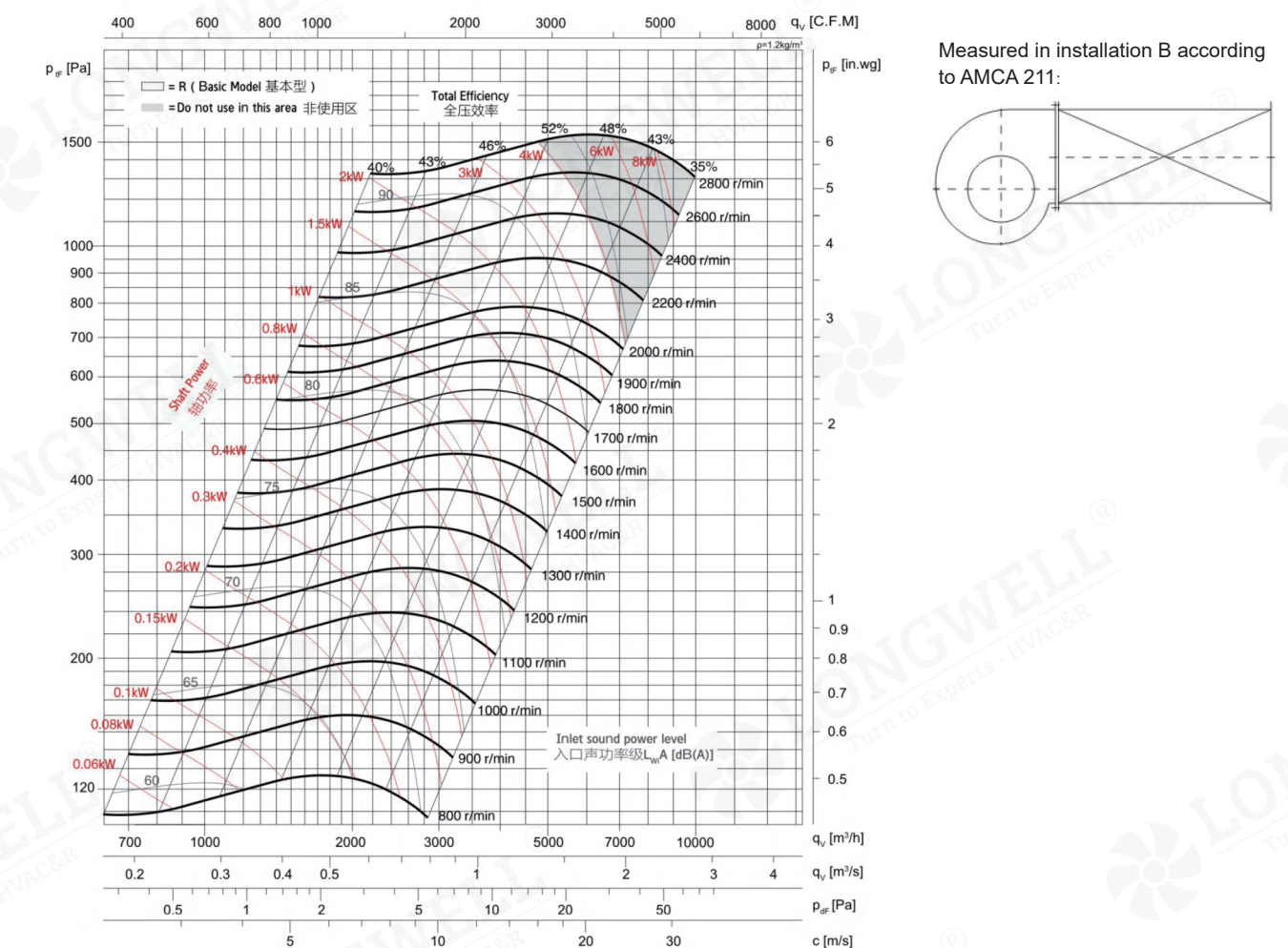
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
43%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
46%	-39	-32	-27	-28	-26	-27	-30	-34	dB(A)
52%	-36	-30	-28	-29	-26	-27	-29	-34	dB(A)
48%	-35	-35	-30	-30	-26	-27	-27	-32	dB(A)
43%	-44	-37	-32	-31	-26	-26	-26	-31	dB(A)
35%	-50	-38	-33	-32	-27	-26	-26	-30	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-13	-8	-7	-8	-7	-8	-11	-17	dB(A)
43%	-15	-9	-6	-8	-7	-8	-11	-15	dB(A)
46%	-13	-9	-7	-9	-7	-8	-10	-15	dB(A)
52%	-9	-10	-9	-10	-7	-8	-10	-15	dB(A)
48%	-8	-13	-11	-11	-6	-8	-8	-13	dB(A)
43%	-15	-12	-11	-11	-6	-6	-7	-11	dB(A)
35%	-20	-12	-11	-12	-7	-6	-6	-10	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
225mm	0.021kg·m²	2800r/min	62.5kg

ADHBM 10-10 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

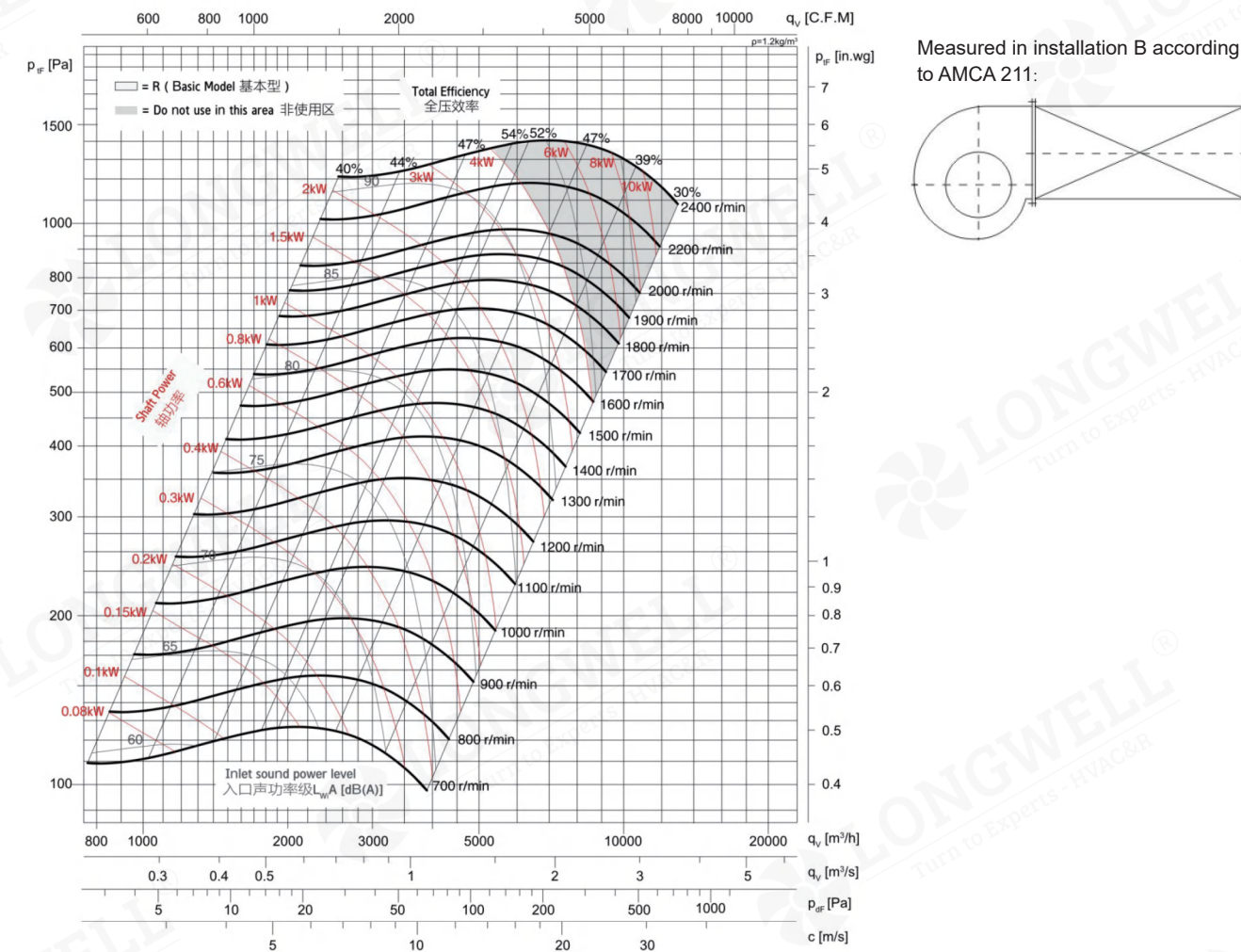
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
44%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
47%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
52%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
51%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
46%	-38	-36	-31	-30	-26	-27	-27	-31	dB(A)
39%	-46	-37	-33	-32	-26	-26	-26	-30	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
40%	-13	-8	-7	-8	-7	-8	-11	-17	dB(A)
44%	-15	-9	-6	-8	-7	-8	-11	-15	dB(A)
47%	-12	-10	-7	-9	-7	-8	-10	-15	dB(A)
52%	-9	-10	-9	-10	-7	-8	-10	-15	dB(A)
51%	-8	-11	-9	-10	-7	-8	-9	-14	dB(A)
46%	-10	-12	-11	-11	-6	-7	-7	-12	dB(A)
39%	-17	-11	-11	-12	-7	-6	-7	-11	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
250mm	0.038kg·m²	2400r/min	70kg

ADHBM 11-11 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

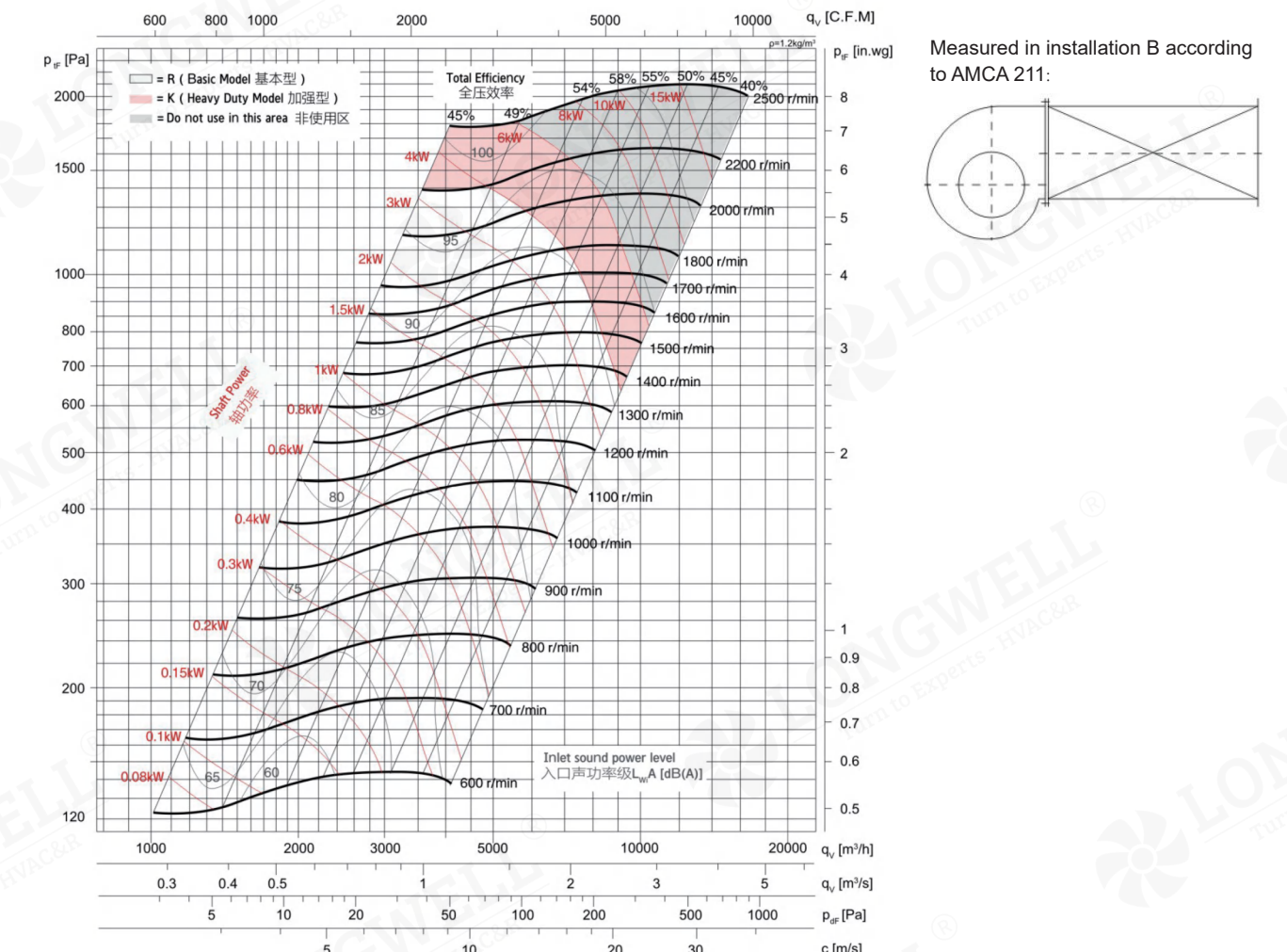
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-32	-22	-28	-33	-36	-34	-37	-47	dB(A)
49%	-31	-22	-28	-32	-32	-36	-38	-40	dB(A)
54%	-32	-23	-27	-31	-36	-35	-34	-44	dB(A)
58%	-29	-24	-27	-30	-34	-33	-35	-45	dB(A)
55%	-30	-22	-28	-33	-32	-34	-36	-41	dB(A)
50%	-31	-23	-28	-33	-32	-34	-35	-40	dB(A)
45%	-31	-23	-28	-32	-31	-33	-34	-38	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-9	-2	-8	-13	-17	-15	-18	-28	dB(A)
49%	-9	-2	-9	-13	-13	-17	-19	-21	dB(A)
54%	-9	-3	-7	-11	-17	-15	-14	-24	dB(A)
58%	-6	-4	-8	-11	-15	-14	-16	-26	dB(A)
55%	-8	-2	-9	-14	-14	-16	-18	-23	dB(A)
50%	-8	-3	-9	-14	-13	-15	-16	-21	dB(A)
45%	-7	-3	-9	-13	-12	-14	-15	-19	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
280mm	0.06kg·m²	2500r/min	100kg

ADHBM 12-12 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

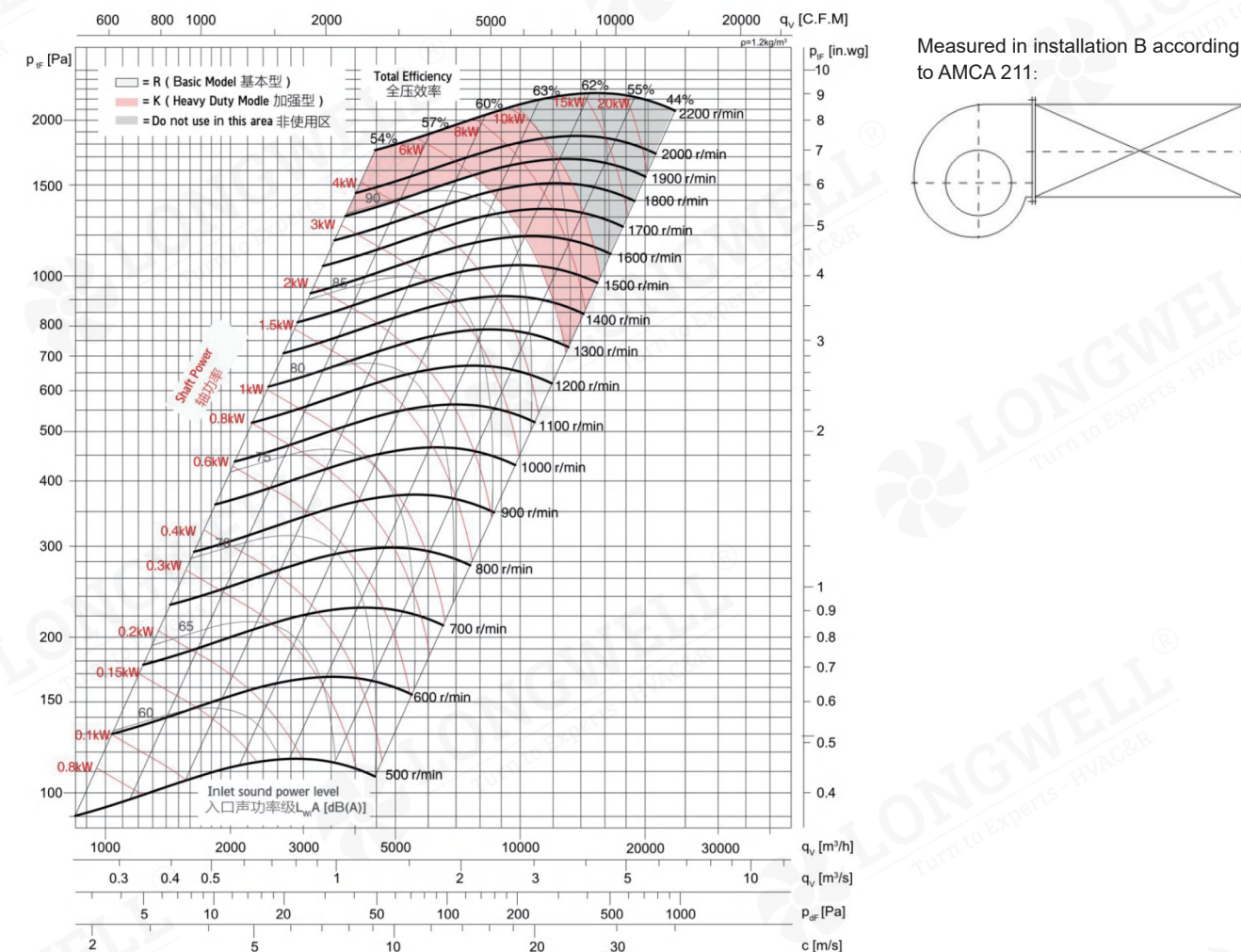
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-37	-27	-31	-27	-27	-28	-30	-38	dB(A)
57%	-38	-27	-31	-27	-27	-8	-30	-37	dB(A)
60%	-38	-27	-31	-27	-27	-28	-30	-37	dB(A)
63%	-47	-33	-34	-27	-25	-27	-28	-34	dB(A)
62%	-48	-32	-35	-28	-25	-27	-28	-34	dB(A)
55%	-49	-36	-37	-29	-25	-25	-27	-33	dB(A)
44%	-52	-37	-37	-31	-26	-25	-26	-33	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-15	-5	-11	-7	-8	-9	-11	-18	dB(A)
57%	-15	-5	-11	-7	-8	-9	-11	-18	dB(A)
60%	-15	-5	-12	-7	-8	-9	-11	-18	dB(A)
63%	-20	-10	-14	-7	-5	-7	-9	-15	dB(A)
62%	-21	-9	-14	-7	-5	-7	-9	-15	dB(A)
55%	-21	-12	-15	-9	-5	-6	-8	-14	dB(A)
44%	-23	-11	-15	-11	-5	-5	-7	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
315mm	0.1kg·m²	2200r/min	142kg

ADHBM 14-14 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

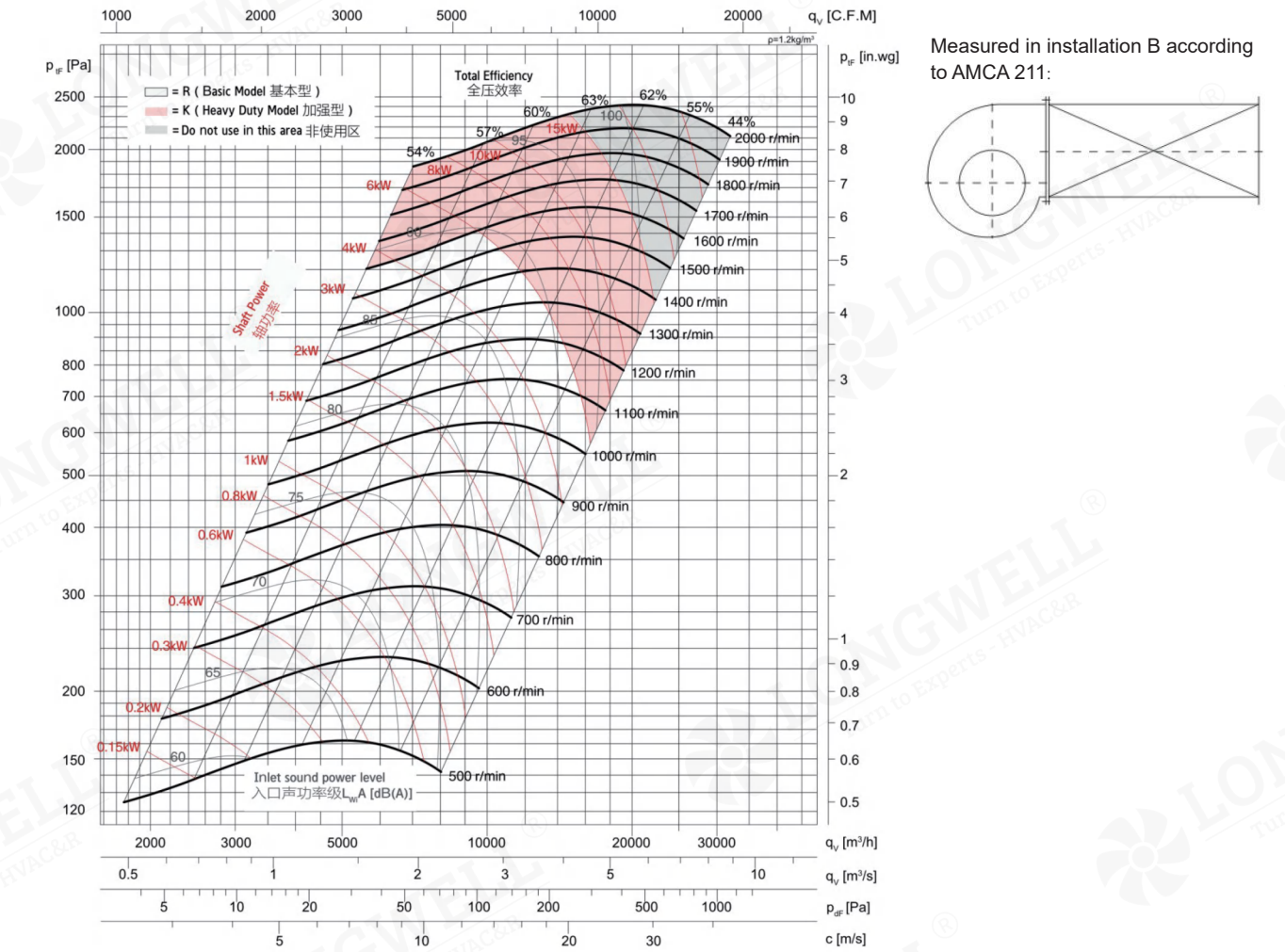
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-37	-27	-31	-27	-27	-28	-30	-38	dB(A)
57%	-38	-27	-31	-27	-27	-28	-30	-37	dB(A)
60%	-38	-27	-31	-27	-27	-28	-30	-37	dB(A)
63%	-47	-33	-34	-27	-25	-7	-28	-34	dB(A)
62%	-48	-32	-35	-28	-25	-27	-28	-34	dB(A)
55%	-49	-36	-37	-29	-25	-25	-27	-33	dB(A)
44%	-52	-37	-37	-31	-26	-25	-27	-33	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-15	-5	-11	-7	-8	-9	-11	-18	dB(A)
57%	-15	-5	-12	-7	-8	-9	-11	-18	dB(A)
60%	-15	-5	-12	-7	-8	-9	-10	-17	dB(A)
63%	-20	-10	-14	-7	-5	-7	-9	-15	dB(A)
62%	-21	-9	-14	-7	-5	-7	-9	-15	dB(A)
55%	-21	-12	-15	-9	-5	-6	-8	-14	dB(A)
44%	-23	-11	-15	-11	-2	-5	-7	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
355mm	0.15kg·m²	2000r/min	173kg

ADHBM 16-16 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

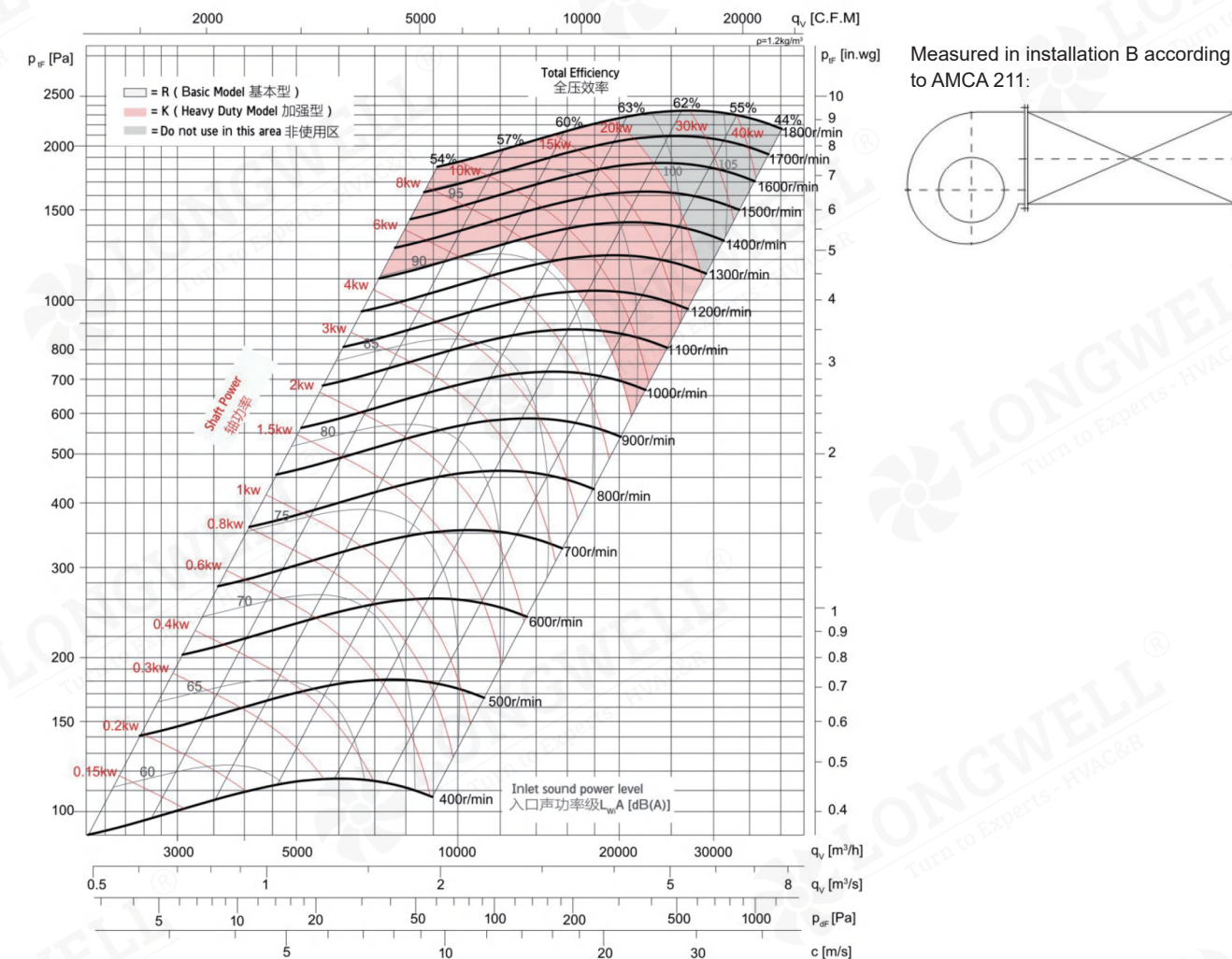
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-37	-27	-31	-27	-27	-28	-30	-38	dB(A)
57%	-38	-27	-31	-27	-27	-28	-30	-37	dB(A)
60%	-38	-27	-31	-27	-27	-28	-30	-37	dB(A)
63%	-47	-33	-34	-27	-25	-27	-28	-34	dB(A)
62%	-48	-32	-35	-28	-25	-27	-28	-34	dB(A)
55%	-49	-36	-37	-29	-25	-25	-27	-33	dB(A)
44%	-52	-38	-37	-31	-26	-25	-26	-33	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
54%	-15	-5	-11	-7	-8	-9	-11	-18	dB(A)
57%	-15	-5	-12	-7	-8	-9	-11	-18	dB(A)
60%	-15	-5	-13	-7	-8	-9	-10	-17	dB(A)
63%	-20	-10	-14	-7	-5	-7	-9	-15	dB(A)
62%	-21	-9	-14	-7	-5	-7	-9	-15	dB(A)
55%	-21	-12	-15	-9	-5	-6	-8	-14	dB(A)
44%	-23	-12	-15	-11	-6	-5	-7	-13	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
400mm	0.31kg·m²	1800r/min	210kg

ADHBM 18-18 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

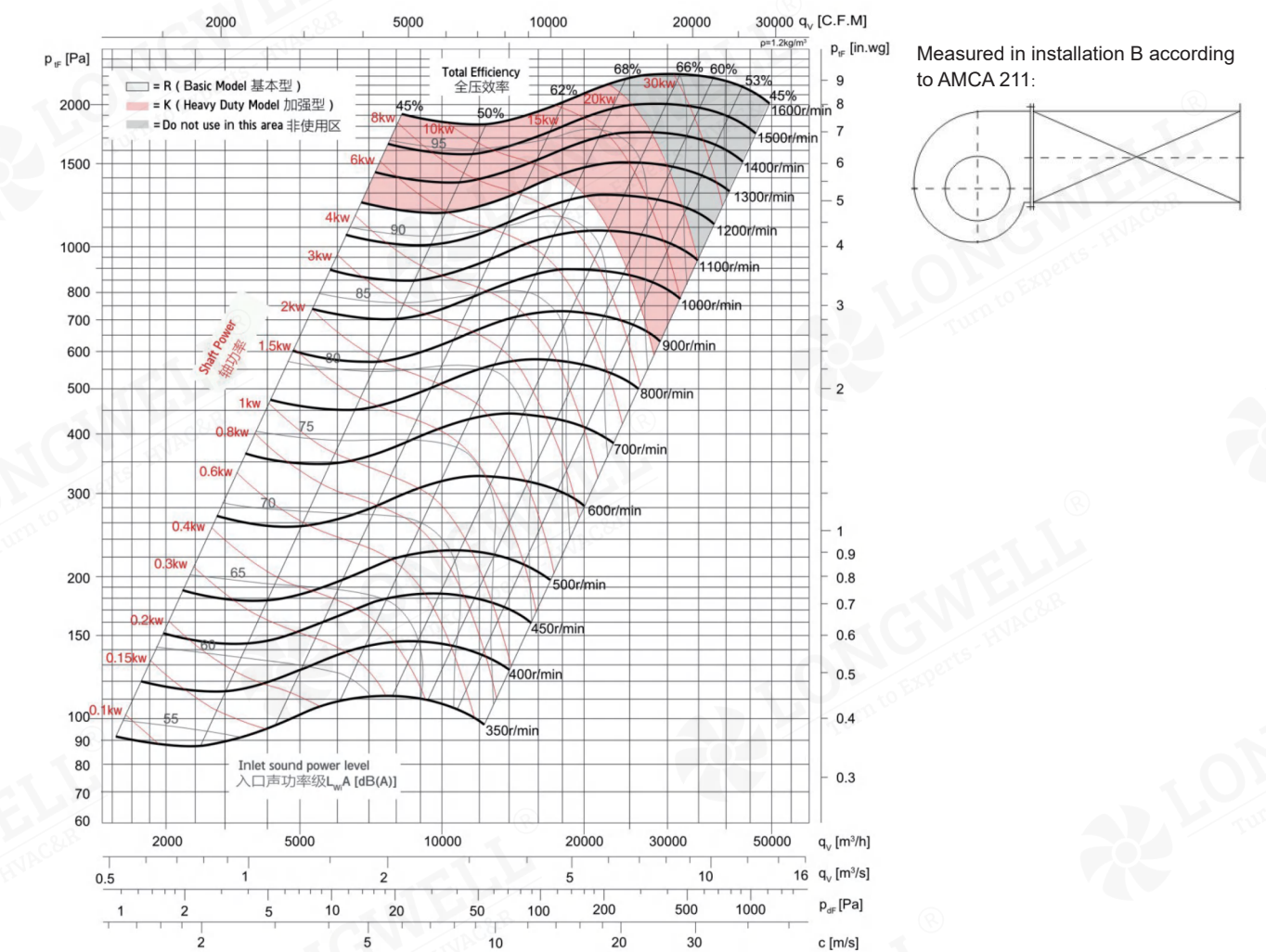
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-36	-29	-29	-26	-26	-28	-33	-38	dB(A)
50%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
62%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
60%	-49	-37	-35	-25	-27	-26	-29	-36	dB(A)
53%	-51	-38	-36	-26	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-11	-7	-9	-7	-7	-9	-14	-19	dB(A)
50%	-10	-7	-9	-7	-8	-9	-13	-18	dB(A)
62%	-13	-7	-10	-6	-8	-9	-11	-18	dB(A)
68%	-17	-9	-12	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-5	-8	-8	-10	-17	dB(A)
60%	-20	-11	-14	-5	-7	-6	-9	-16	dB(A)
53%	-22	-12	-14	-6	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
450mm	0.48kg·m²	1600r/min	268kg

ADHBM 20-20 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

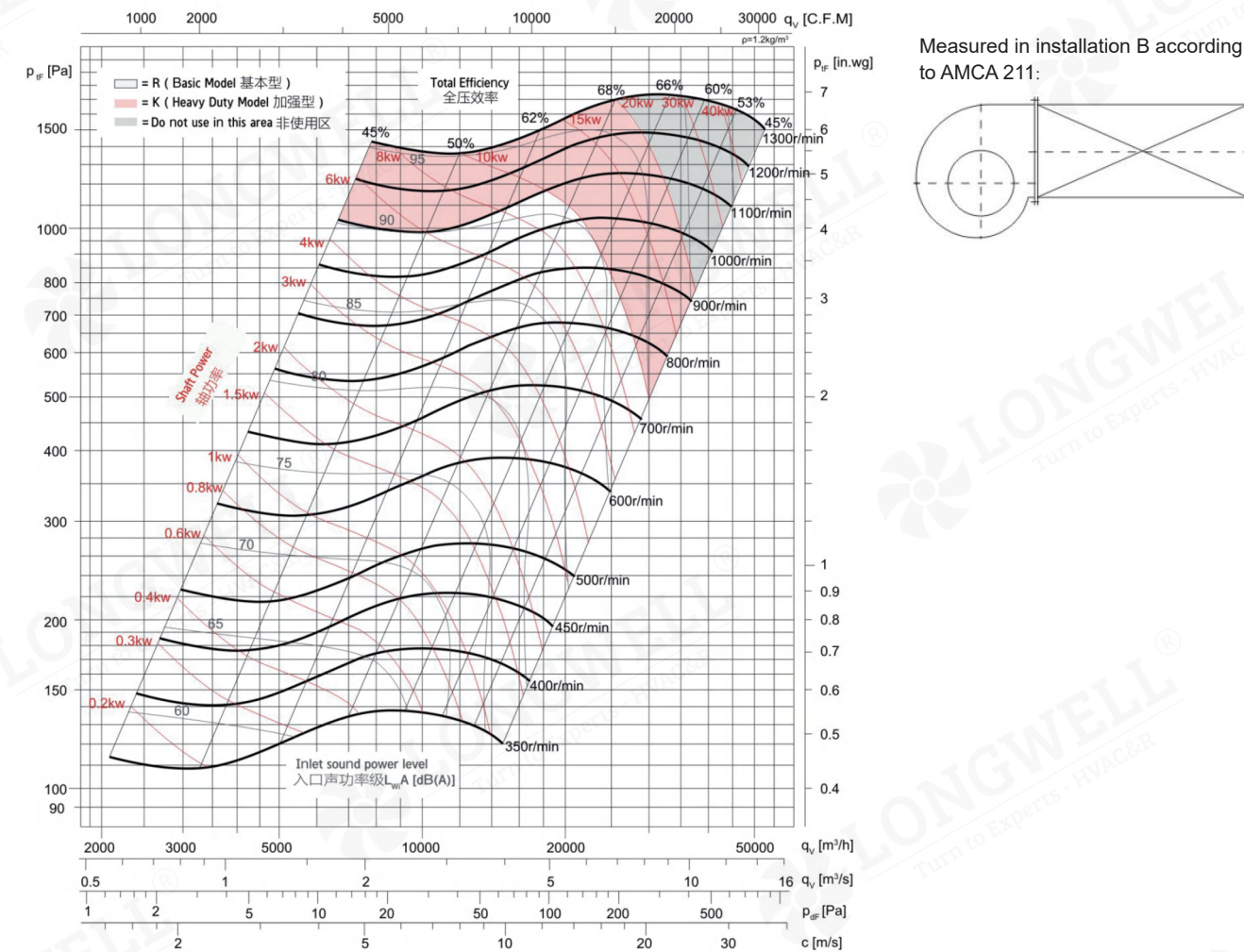
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-36	-29	-29	-26	-26	-28	-33	-38	dB(A)
50%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
62%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
60%	-49	-37	-35	-25	-27	-26	-29	-36	dB(A)
53%	-51	-38	-36	-26	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-11	-7	-9	-7	-7	-9	-14	-19	dB(A)
50%	-10	-7	-9	-7	-8	-9	-13	-18	dB(A)
62%	-13	-7	-10	-6	-8	-9	-11	-18	dB(A)
68%	-17	-9	-12	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-5	-8	-8	-10	-17	dB(A)
60%	-20	-11	-14	-5	-7	-6	-9	-16	dB(A)
53%	-22	-12	-14	-6	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
500mm	0.9kg·m²	1300r/min	305kg

ADHBM 22-22 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

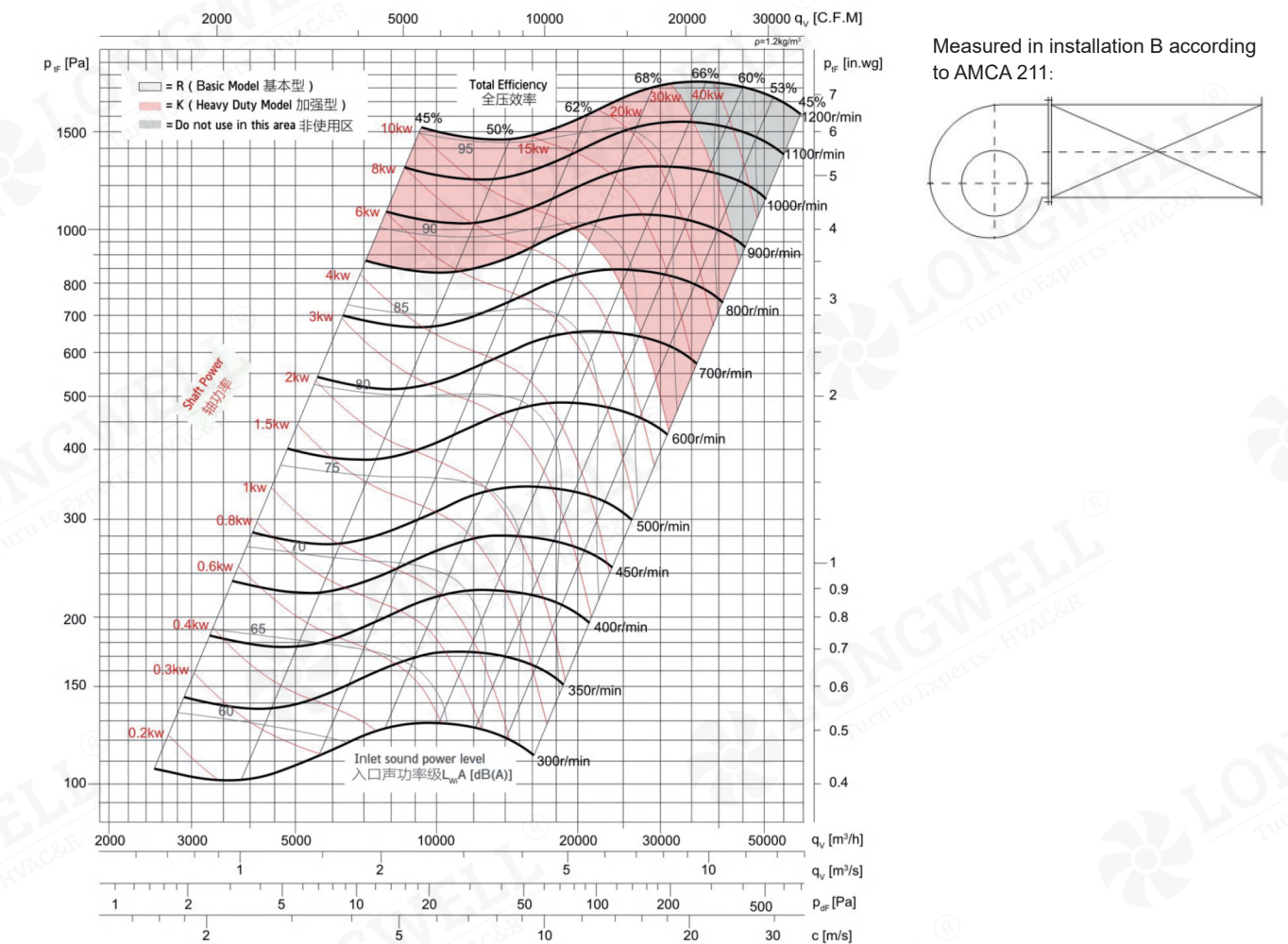
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-36	-29	-29	-26	-26	-28	-33	-38	dB(A)
50%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
52%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
60%	-49	-37	-35	-25	-27	-26	-29	-36	dB(A)
53%	-51	-38	-36	-26	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W_o}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-11	-7	-9	-7	-7	-9	-14	-19	dB(A)
50%	-10	-7	-9	-7	-8	-9	-13	-18	dB(A)
52%	-14	-7	-10	-6	-7	-8	-10	-17	dB(A)
68%	-17	-9	-12	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-5	-8	-8	-10	-17	dB(A)
60%	-20	-11	-14	-5	-7	-6	-19	-16	dB(A)
53%	-22	-12	-14	-6	-7	-6	-19	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
560mm	1.66kg·m²	1200r/min	435kg

ADHBM 24-24 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

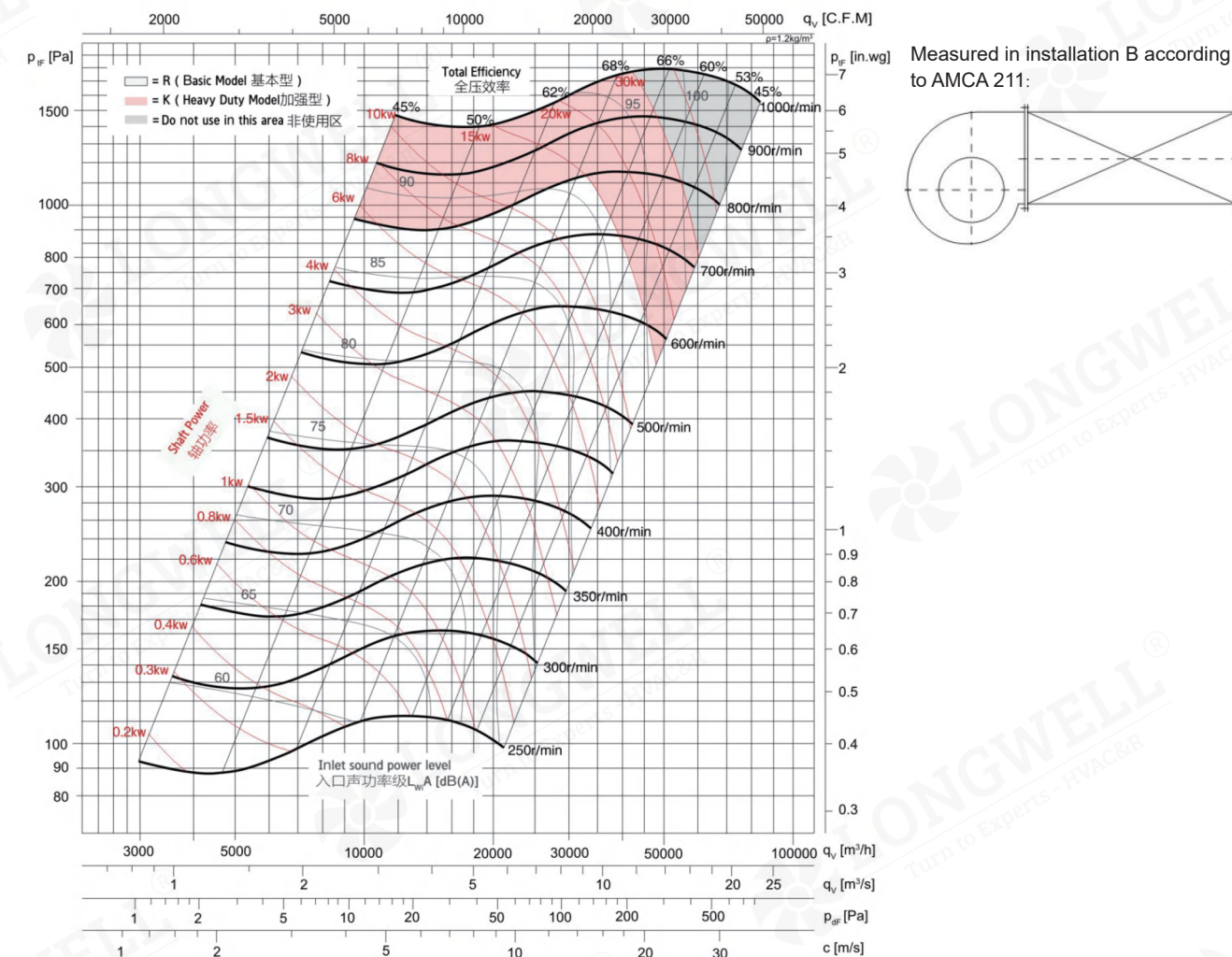
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-36	-29	-29	-26	-26	-28	-33	-38	dB(A)
50%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
62%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
60%	-49	-37	-35	-25	-27	-26	-29	-36	dB(A)
53%	-51	-38	-36	-26	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-11	-7	-9	-7	-7	-9	-14	-19	dB(A)
50%	-10	-7	-9	-7	-8	-9	-13	-18	dB(A)
62%	-14	-7	-10	-6	-7	-8	-10	-17	dB(A)
68%	-17	-9	-12	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-5	-8	-8	-10	-17	dB(A)
60%	-20	-11	-14	-5	-7	-6	-9	-16	dB(A)
53%	-22	-12	-14	-6	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
630mm	2.15kg·m²	1000r/min	480kg

ADHBM 28-28 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

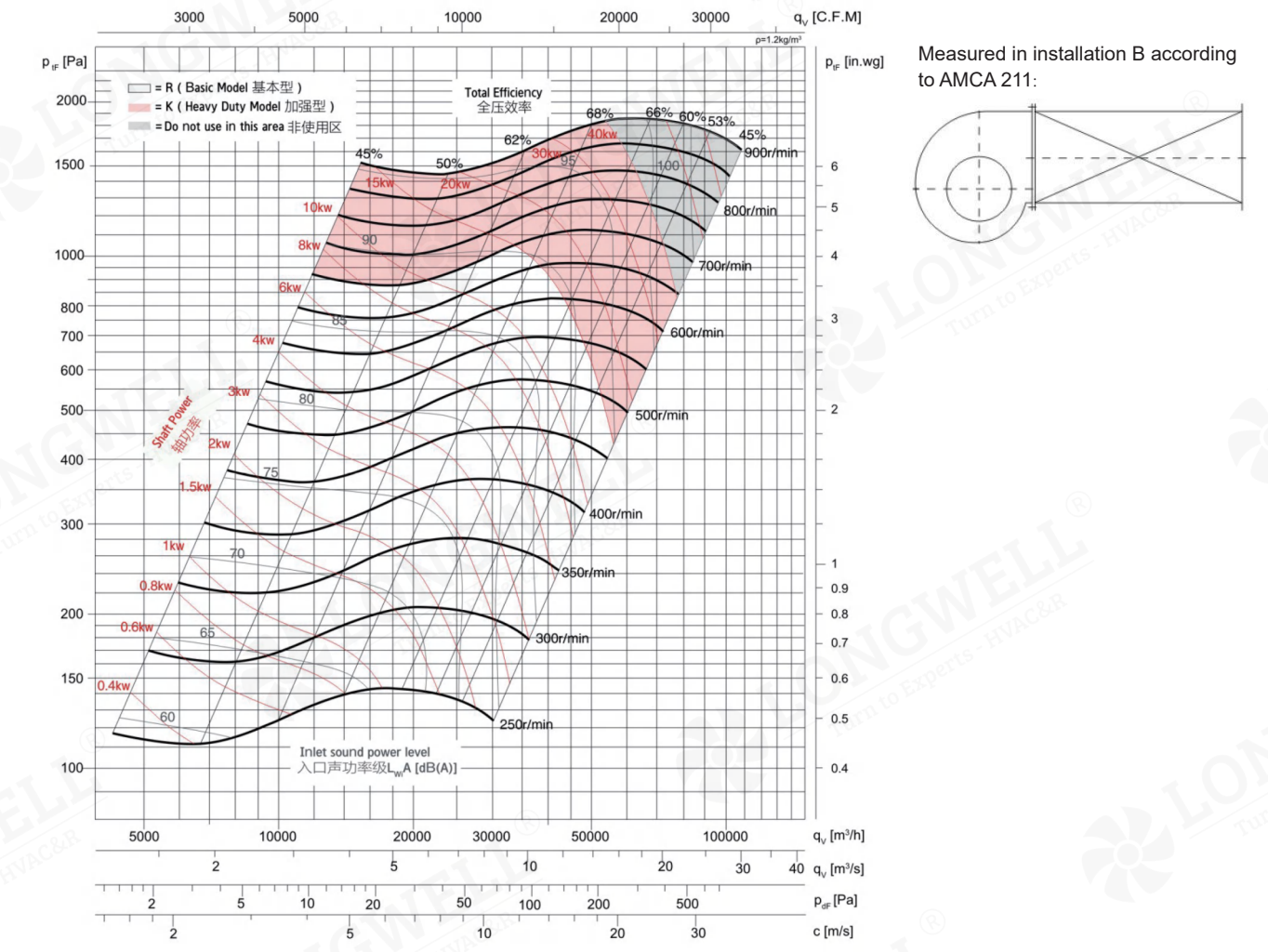
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-36	-29	-29	-26	-26	-28	-33	-38	dB(A)
50%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
62%	-39	-29	-30	-26	-27	-28	-32	-37	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
60%	-49	-37	-35	-25	-27	-26	-29	-36	dB(A)
53%	-51	-38	-36	-26	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-11	-7	-9	-7	-7	-9	-14	-19	dB(A)
50%	-10	-7	-9	-8	-8	-9	-13	-18	dB(A)
62%	-14	-7	-10	-7	-7	-8	-10	-17	dB(A)
68%	-17	-9	-12	-8	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-8	-8	-8	-10	-17	dB(A)
60%	-20	-11	-14	-7	-7	-6	-9	-16	dB(A)
53%	-22	-12	-14	-7	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
710mm	4.02kg·m²	900r/min	670kg

ADHBM 32-32 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

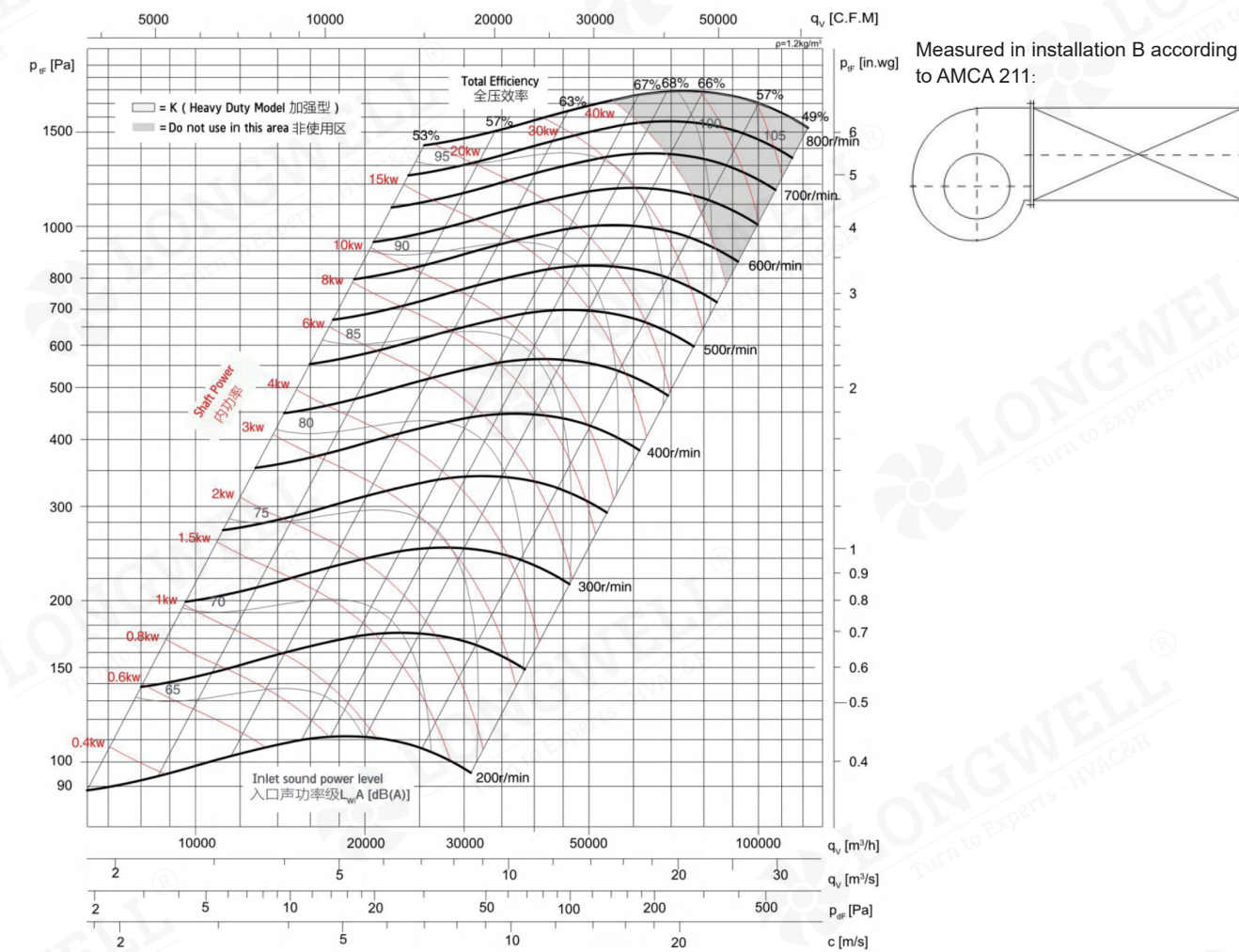
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
53%	-37	-29	-29	-26	-27	-28	-31	-37	dB(A)
57%	-38	-29	-29	-26	-27	-28	-31	-37	dB(A)
63%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
67%	-43	-32	-32	-25	-27	-27	-29	-36	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
57%	-50	-32	-36	-25	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
53%	-12	-7	-9	-6	-8	-9	-12	-18	dB(A)
57%	-12	-7	-10	-6	-8	-9	-11	-18	dB(A)
63%	-14	-7	-10	-6	-7	-8	-10	-17	dB(A)
67%	-14	-7	-11	-6	-8	-9	-11	-18	dB(A)
68%	-17	-9	-12	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-12	-5	-7	-8	-10	-17	dB(A)
57%	-21	-12	-14	-6	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
800mm	8.31kg·m²	800r/min	750kg

ADHBM 35-35 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

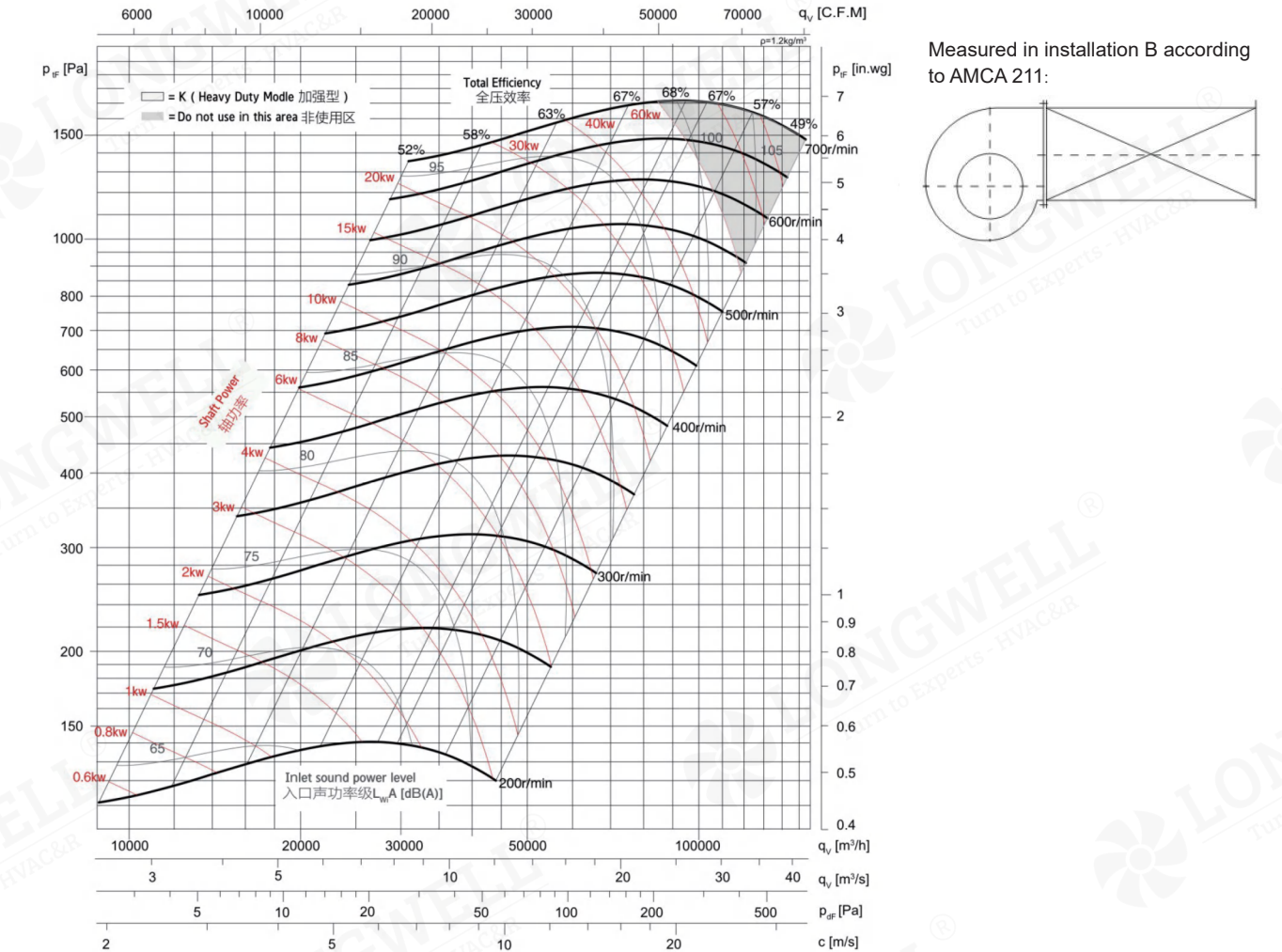
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
53%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
57%	-38	-29	-30	-26	-27	-28	-31	-37	dB(A)
63%	-39	-29	-30	-26	-27	-28	-30	-37	dB(A)
67%	-43	-32	-32	-25	-27	-27	-29	-36	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
57%	-5	-38	-36	-25	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
53%	-11	-7	-9	-6	-8	-9	-12	-18	dB(A)
57%	-12	-7	-10	-6	-8	-9	-11	-18	dB(A)
63%	-14	-7	-10	-6	-7	-8	-10	-17	dB(A)
67%	-15	-8	-11	-5	-8	-8	-10	-17	dB(A)
68%	-17	-10	-10	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-13	-5	-8	-8	-10	-17	dB(A)
57%	-21	-12	-14	-6	-7	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
900mm	12.7kg·m²	700r/min	985kg

ADHBM 39-39 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

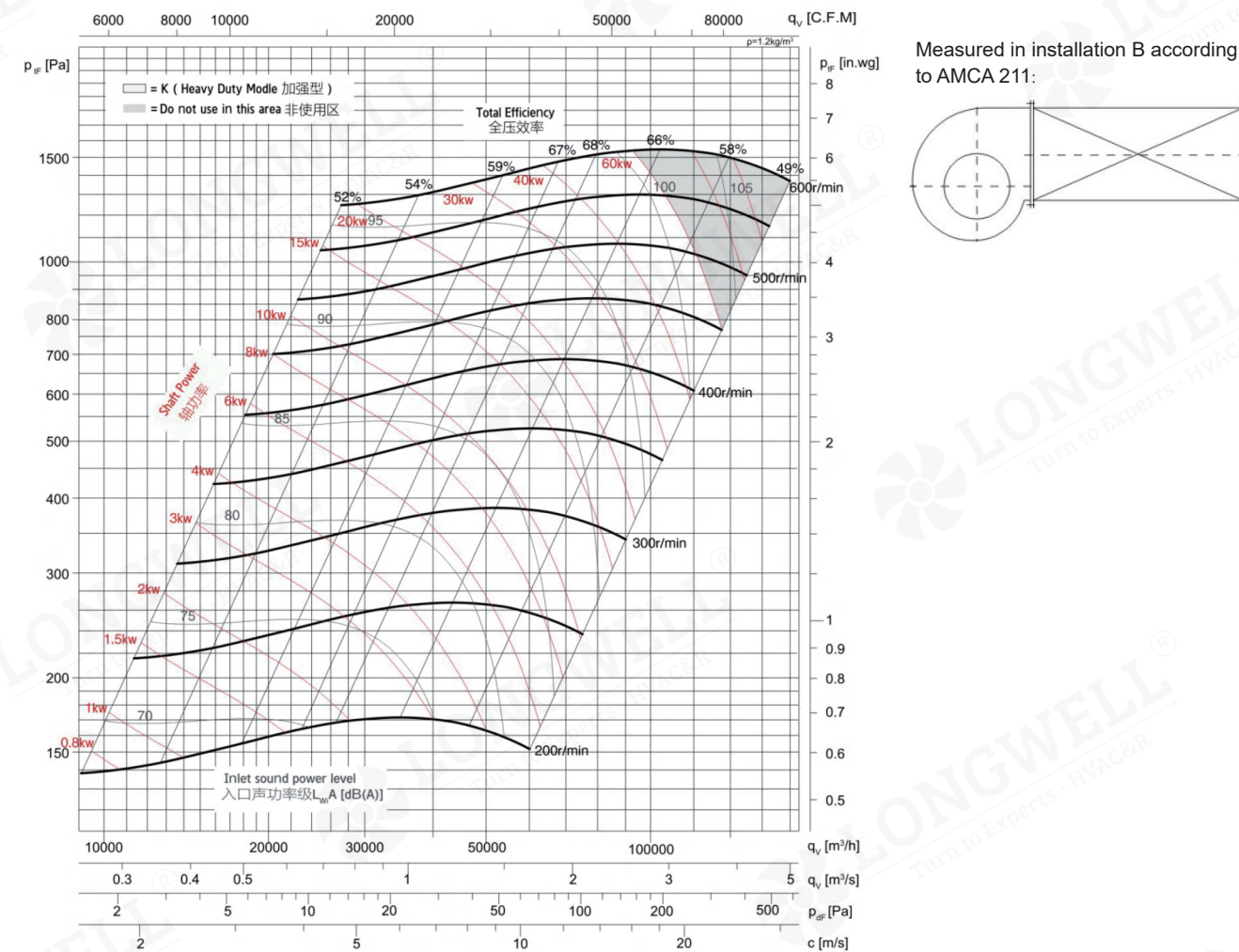
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
54%	-36	-29	-29	-26	-27	-28	-32	-37	dB(A)
63%	-38	-29	-30	-26	-27	-28	-31	-37	dB(A)
67%	-42	-32	-31	-25	-27	-27	-30	-36	dB(A)
68%	-46	-35	-33	-24	-27	-27	-29	-36	dB(A)
66%	-47	-36	-34	-24	-27	-27	-29	-36	dB(A)
57%	-50	-38	-36	-25	-26	-26	-28	-35	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
52%	-11	-7	-9	-6	-8	-9	-12	-18	dB(A)
54%	-11	-7	-9	-7	-8	-9	-15	-18	dB(A)
63%	-13	-7	-10	-6	-8	-9	-11	-18	dB(A)
67%	-14	-8	-10	-5	-8	-8	-11	-17	dB(A)
68%	-17	-10	-10	-5	-8	-8	-10	-17	dB(A)
66%	-18	-10	-13	-5	-8	-8	-10	-17	dB(A)
57%	-21	-12	-14	-6	-6	-6	-9	-16	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
1000mm	18.9kg·m²	600r/min	1150kg

RDHBM 11-11 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

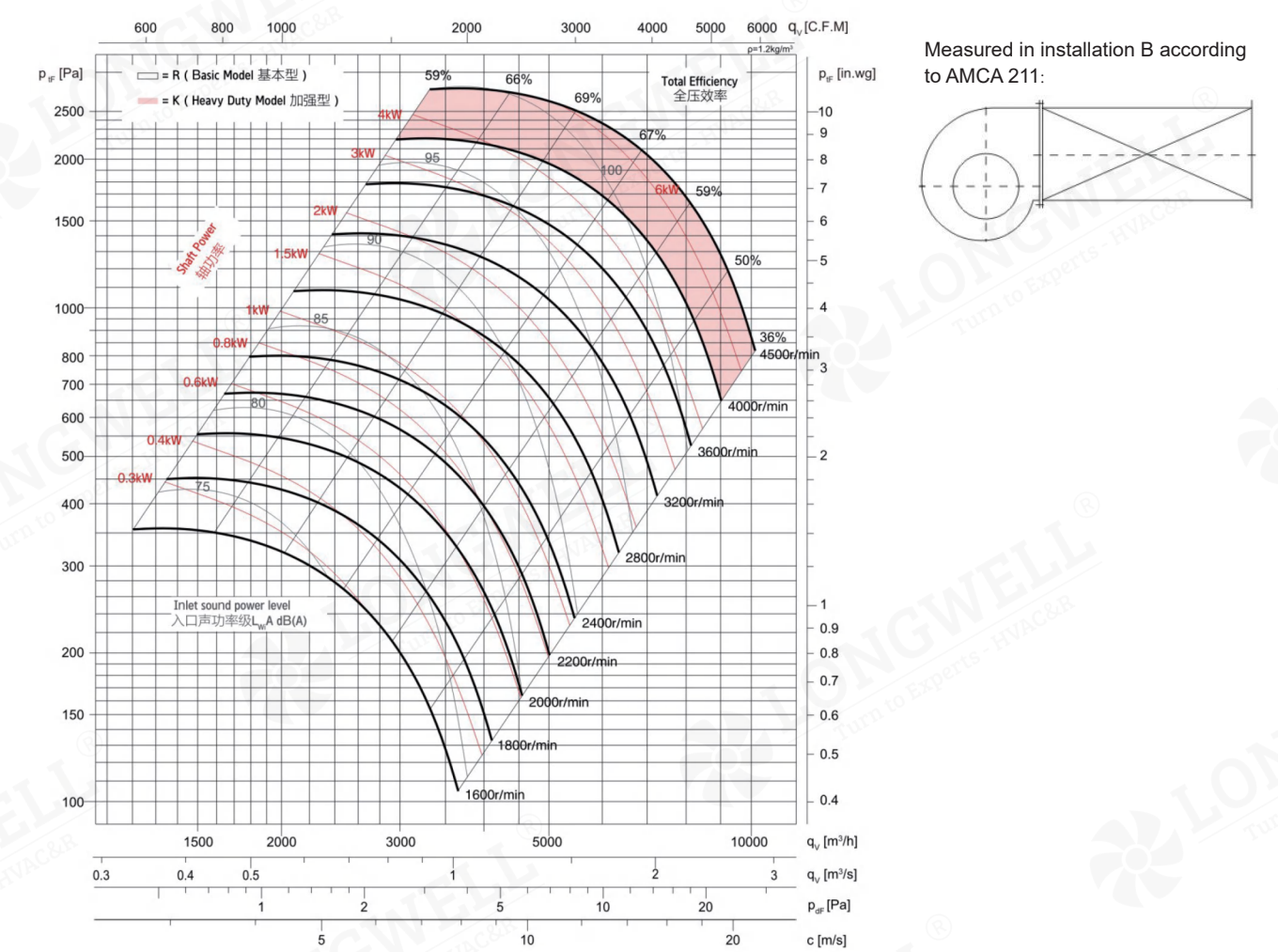
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
59%	-50	-34	-32	-25	-25	-27	-30	-40	dB(A)
66%	-51	-34	-33	-25	-25	-28	-30	-40	dB(A)
69%	-51	-34	-34	-25	-25	-28	-30	-40	dB(A)
67%	-51	-36	-35	-24	-25	-27	-30	-40	dB(A)
59%	-51	-37	-35	-25	-25	-28	-30	-40	dB(A)
50%	-51	-38	-35	-25	-25	-28	-30	-40	dB(A)
36%	-51	-39	-35	-25	-25	-28	-30	-40	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
59%	-23	-11	-10	-5	-6	-8	-11	-21	dB(A)
66%	-24	-11	-11	-5	-5	-8	-11	-21	dB(A)
69%	-24	-11	-12	-5	-5	-8	-10	-21	dB(A)
67%	-23	-11	-12	-4	-6	-8	-11	-21	dB(A)
59%	-21	-11	-11	-5	-5	-8	-11	-21	dB(A)
50%	-21	-11	-13	-5	-5	-8	-11	-20	dB(A)
36%	-21	-12	-13	-5	-5	-8	-10	-20	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
280mm	0.069kg·m²	4500r/min	100kg

RDHBM 12-12 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

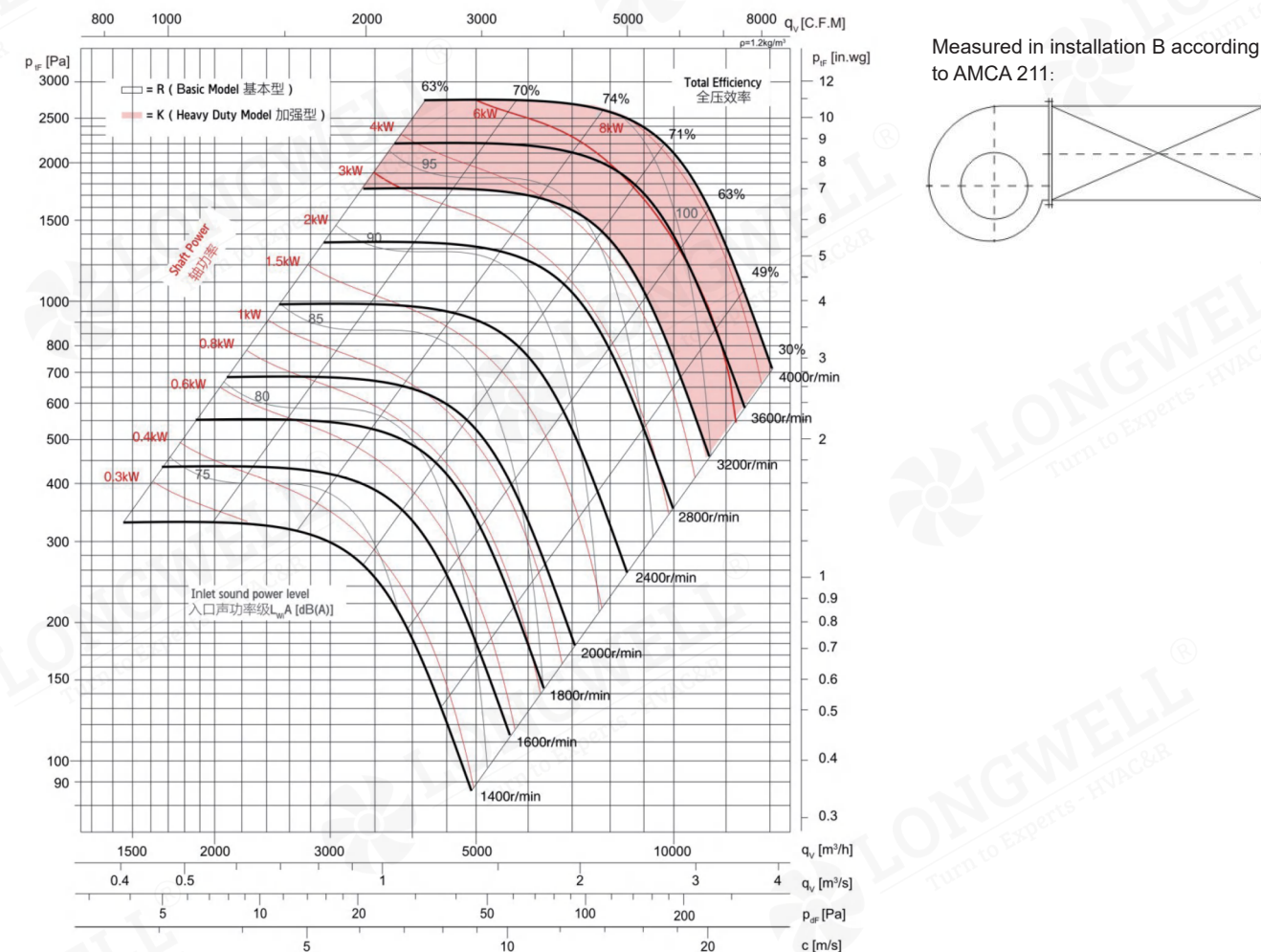
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
63%	-43	-37	-35	-22	-28	-30	-34	-41	dB(A)
70%	-44	-42	-40	-21	-30	-30	-34	-42	dB(A)
74%	-44	-43	-40	-22	-29	-29	-33	-41	dB(A)
71%	-45	-41	-39	-23	-27	-27	-31	-41	dB(A)
63%	-45	-42	-39	-23	-27	-27	-30	-40	dB(A)
49%	-48	-44	-41	-22	-28	-28	-32	-40	dB(A)
30%	-48	-43	-39	-23	-27	-27	-30	-38	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
63%	-16	-14	-13	-2	-9	-10	-14	-22	dB(A)
70%	-17	-19	-18	-1	-11	-11	-15	-23	dB(A)
74%	-17	-20	-18	-2	-9	-9	-14	-22	dB(A)
71%	-17	-16	-16	-3	-8	-8	-12	-21	dB(A)
63%	-15	-16	-14	-4	-7	-7	-11	-21	dB(A)
49%	-18	-17	-19	-2	-9	-9	-12	-21	dB(A)
30%	-18	-16	-17	-3	-8	-7	-11	-18	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
315mm	0.11kg·m²	4000r/min	142kg

RDHBM 14-14 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

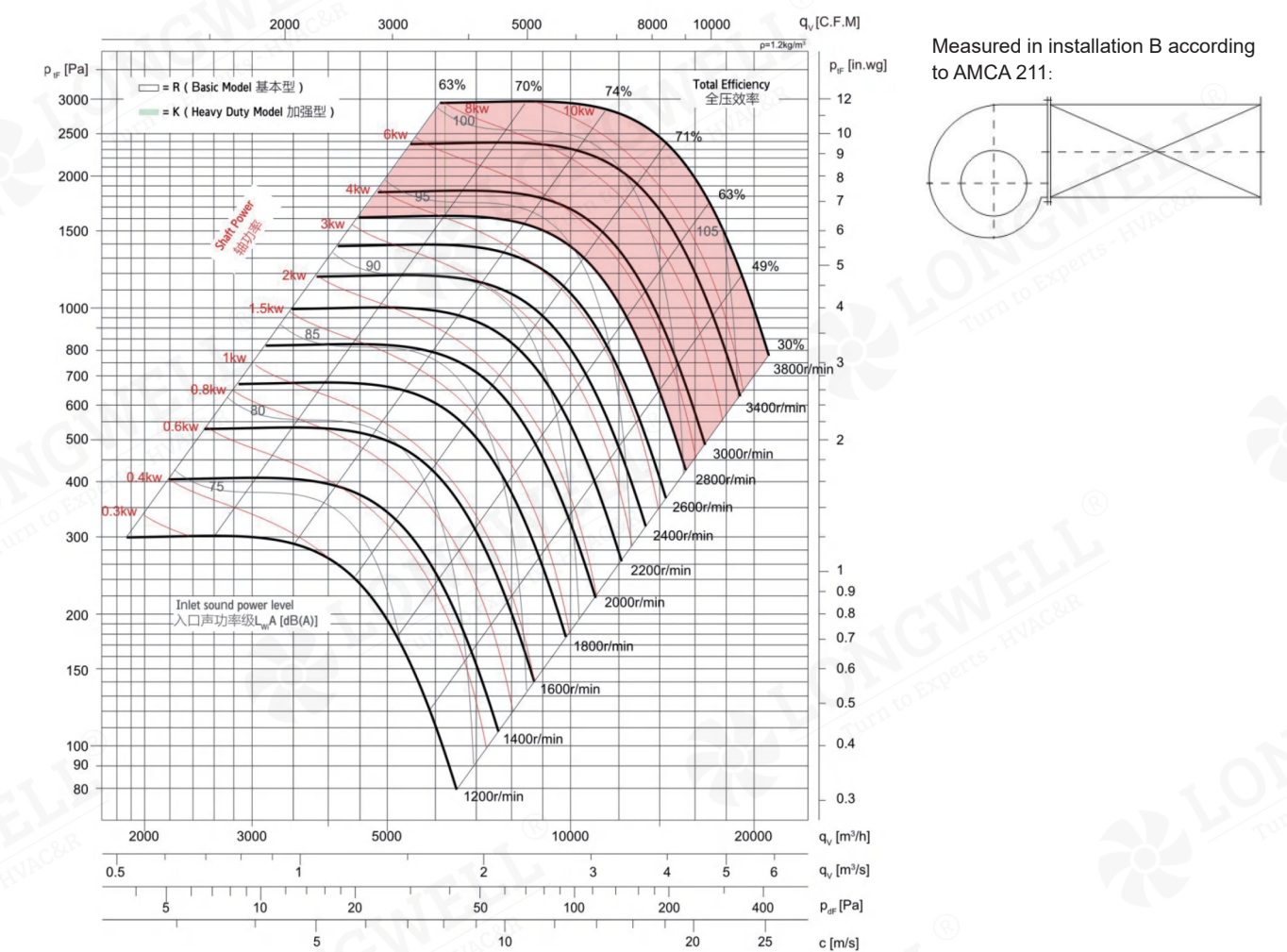
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
63%	-43	-37	-35	-22	-28	-30	-34	-41	dB(A)
70%	-44	-42	-40	-21	-30	-30	-34	-42	dB(A)
74%	-44	-43	-40	-22	-29	-29	-33	-41	dB(A)
71%	-45	-41	-39	-23	-27	-27	-31	-41	dB(A)
63%	-45	-42	-39	-23	-27	-27	-30	-40	dB(A)
49%	-48	-44	-41	-22	-28	-28	-32	-40	dB(A)
30%	-48	-43	-39	-23	-27	-27	-30	-38	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
63%	-16	-14	-13	-2	-9	-10	-14	-22	dB(A)
70%	-17	-19	-18	-1	-11	-11	-15	-23	dB(A)
74%	-17	-20	-18	-2	-9	-9	-14	-22	dB(A)
71%	-17	-16	-16	-3	-8	-8	-12	-21	dB(A)
63%	-15	-16	-14	-4	-7	-7	-11	-21	dB(A)
49%	-18	-17	-19	-2	-9	-9	-12	-21	dB(A)
30%	-18	-16	-17	-3	-8	-7	-11	-18	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
355mm	0.2kg·m²	3800r/min	173kg

RDHBM 16-16 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

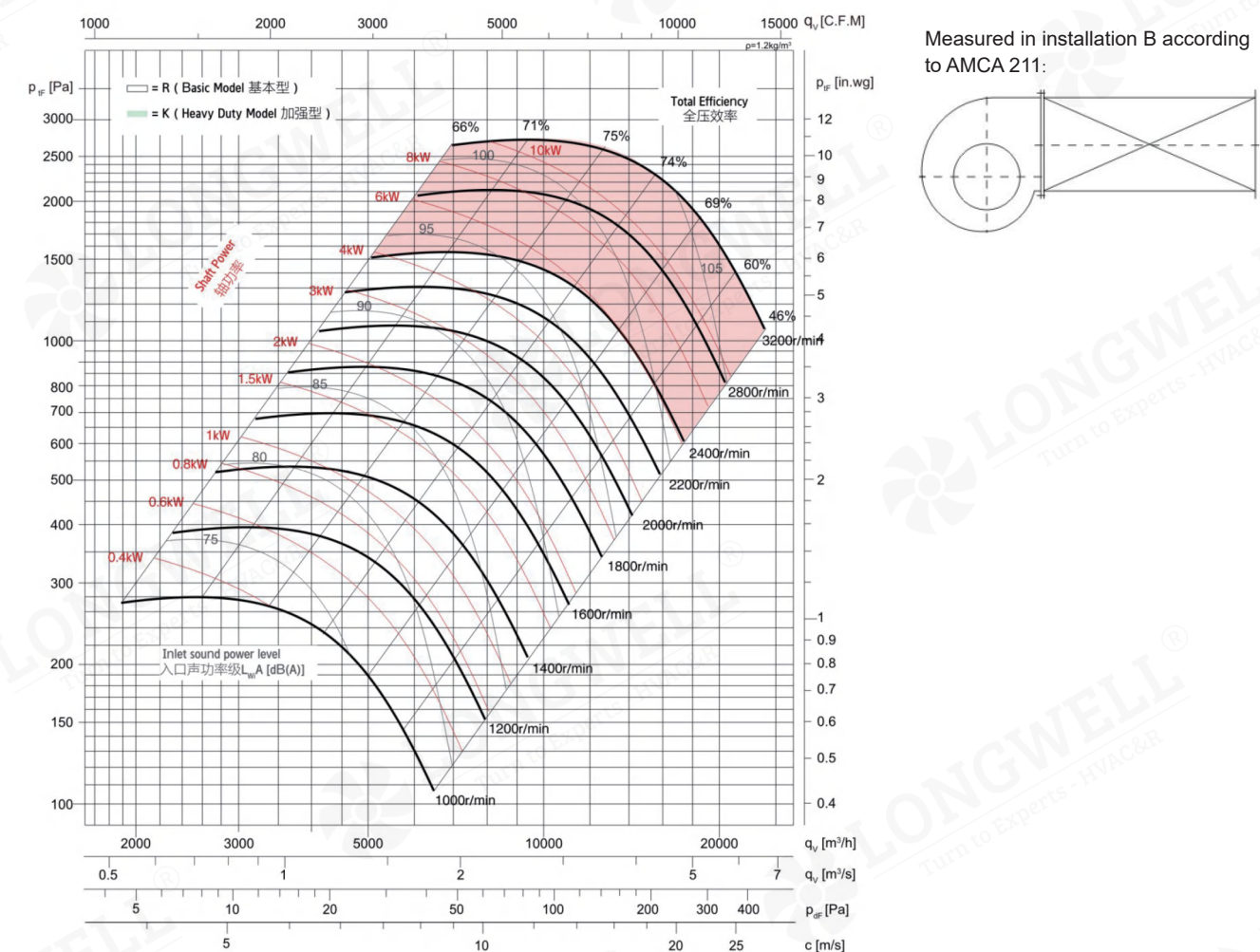
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-43	-36	-31	-23	-28	-29	-32	-39	dB(A)
71%	-45	-38	-33	-22	-28	-29	-33	-39	dB(A)
75%	-52	-44	-39	-22	-27	-29	-34	-41	dB(A)
74%	-53	-45	-40	-22	-27	-29	-34	-42	dB(A)
69%	-53	-45	-40	-22	-27	-28	-33	-42	dB(A)
60%	-55	-46	-41	-22	-29	-29	-34	-43	dB(A)
46%	-54	-44	-40	-22	-28	-28	-32	-40	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-16	-13	-9	-3	-8	-10	-13	-19	dB(A)
71%	-18	-15	-11	-2	-8	-10	-14	-20	dB(A)
75%	-25	-21	-17	-2	-8	-10	-14	-21	dB(A)
74%	-25	-19	-17	-2	-7	-9	-14	-23	dB(A)
69%	-23	-18	-15	-2	-7	-9	-14	-23	dB(A)
60%	-25	-19	-19	-2	-9	-10	-15	-23	dB(A)
46%	-24	-17	-17	-2	-8	-9	-13	-20	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
400mm	0.34kg·m²	3200r/min	210kg

RDHBM 18-18 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

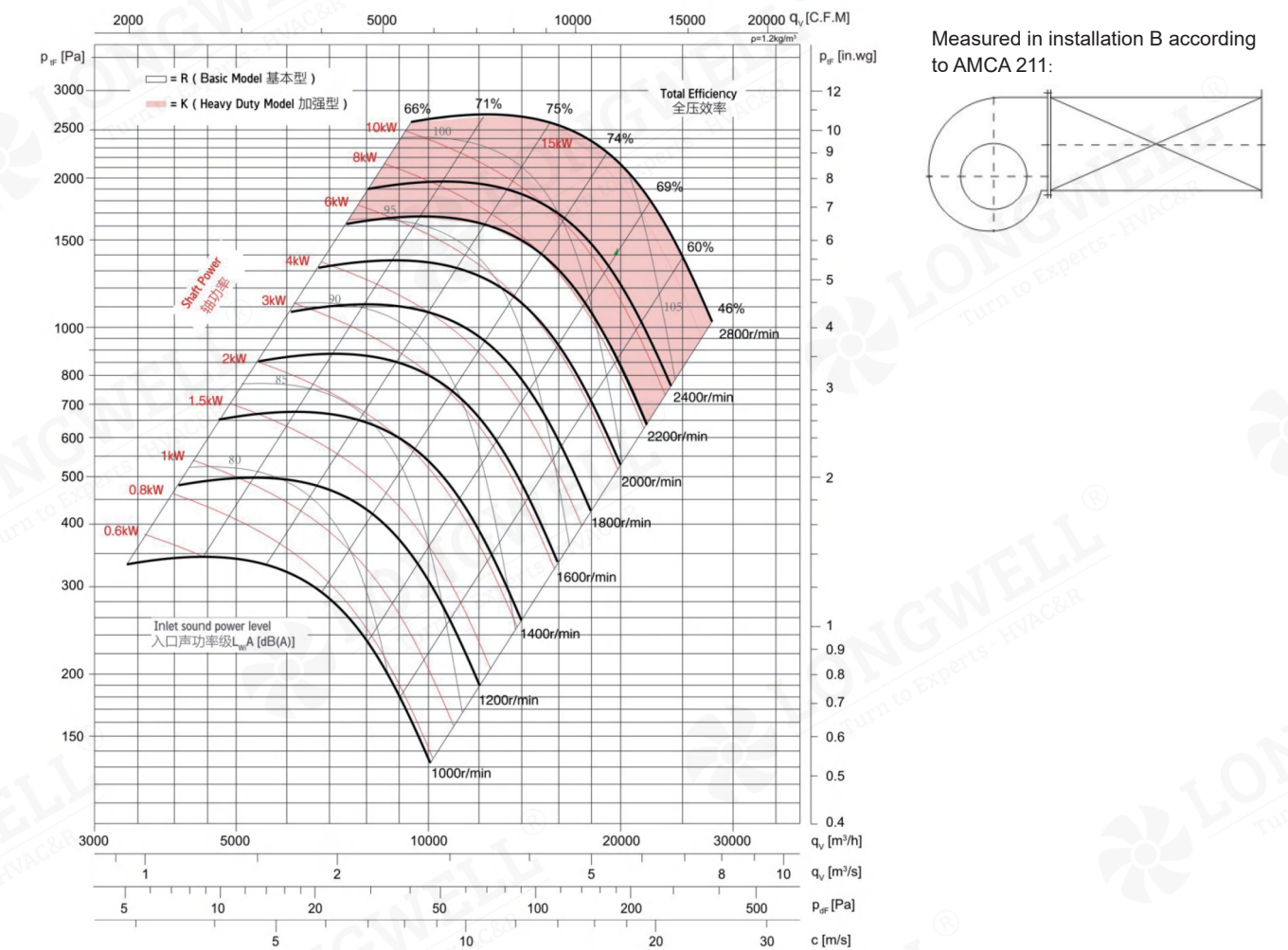
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-43	-36	-31	-23	-28	-29	-32	-39	dB(A)
71%	-45	-38	-33	-22	-28	-29	-33	-39	dB(A)
75%	-52	-44	-39	-22	-27	-29	-34	-41	dB(A)
74%	-53	-45	-40	-22	-27	-29	-34	-42	dB(A)
69%	-53	-45	-40	-22	-27	-28	-33	-42	dB(A)
60%	-55	-46	-41	-22	-29	-29	-34	-43	dB(A)
46%	-54	-44	-40	-22	-28	-28	-32	-40	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-16	-13	-9	-3	-8	-10	-13	-19	dB(A)
71%	-18	-15	-11	-2	-8	-10	-14	-20	dB(A)
75%	-25	-21	-17	-2	-8	-10	-14	-21	dB(A)
74%	-25	-19	-17	-2	-7	-9	-14	-23	dB(A)
69%	-23	-18	-15	-2	-7	-9	-14	-23	dB(A)
60%	-25	-19	-19	-2	-9	-10	-15	-23	dB(A)
46%	-24	-17	-17	-2	-8	-9	-13	-20	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
450mm	0.51kg·m²	2800r/min	268kg

RDHBM 20-20 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

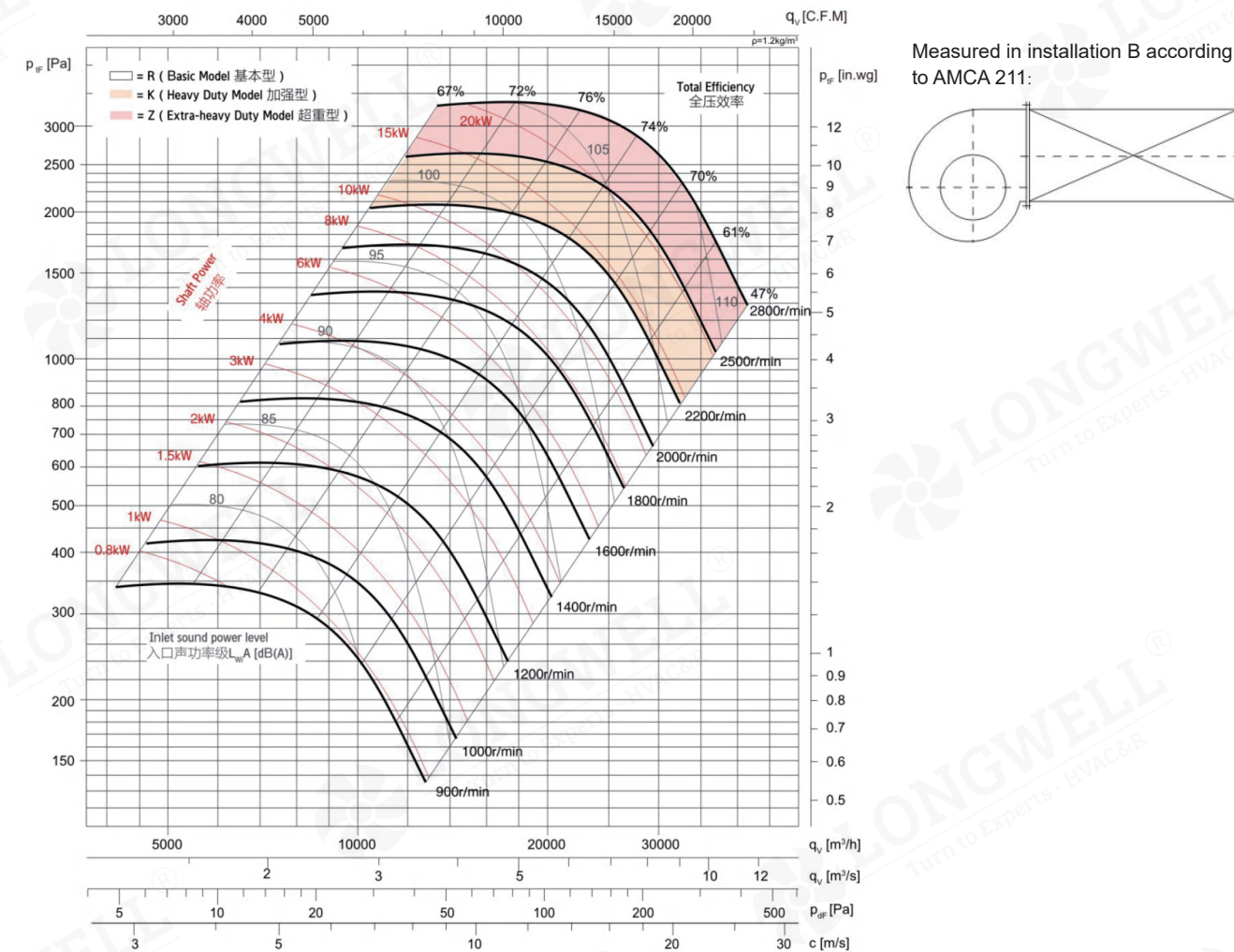
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-43	-36	-31	-23	-28	-29	-32	-39	dB(A)
71%	-45	-38	-33	-22	-28	-29	-33	-39	dB(A)
75%	-52	-44	-39	-22	-27	-29	-34	-41	dB(A)
74%	-53	-45	-40	-22	-27	-29	-34	-42	dB(A)
69%	-53	-45	-40	-22	-27	-28	-33	-42	dB(A)
60%	-55	-46	-41	-22	-29	-29	-34	-43	dB(A)
46%	-54	-44	-40	-22	-28	-28	-32	-40	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-16	-13	-9	-3	-8	-10	-13	-19	dB(A)
71%	-18	-15	-11	-2	-8	-10	-14	-20	dB(A)
75%	-25	-21	-17	-2	-8	-10	-14	-21	dB(A)
74%	-25	-19	-17	-2	-7	-9	-14	-23	dB(A)
69%	-23	-18	-15	-2	-7	-9	-14	-23	dB(A)
60%	-25	-19	-19	-2	-9	-10	-15	-23	dB(A)
46%	-24	-17	-17	-2	-8	-9	-13	-20	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
500mm	0.88kg·m²	2800r/min	305kg

RDHBM 22-22 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

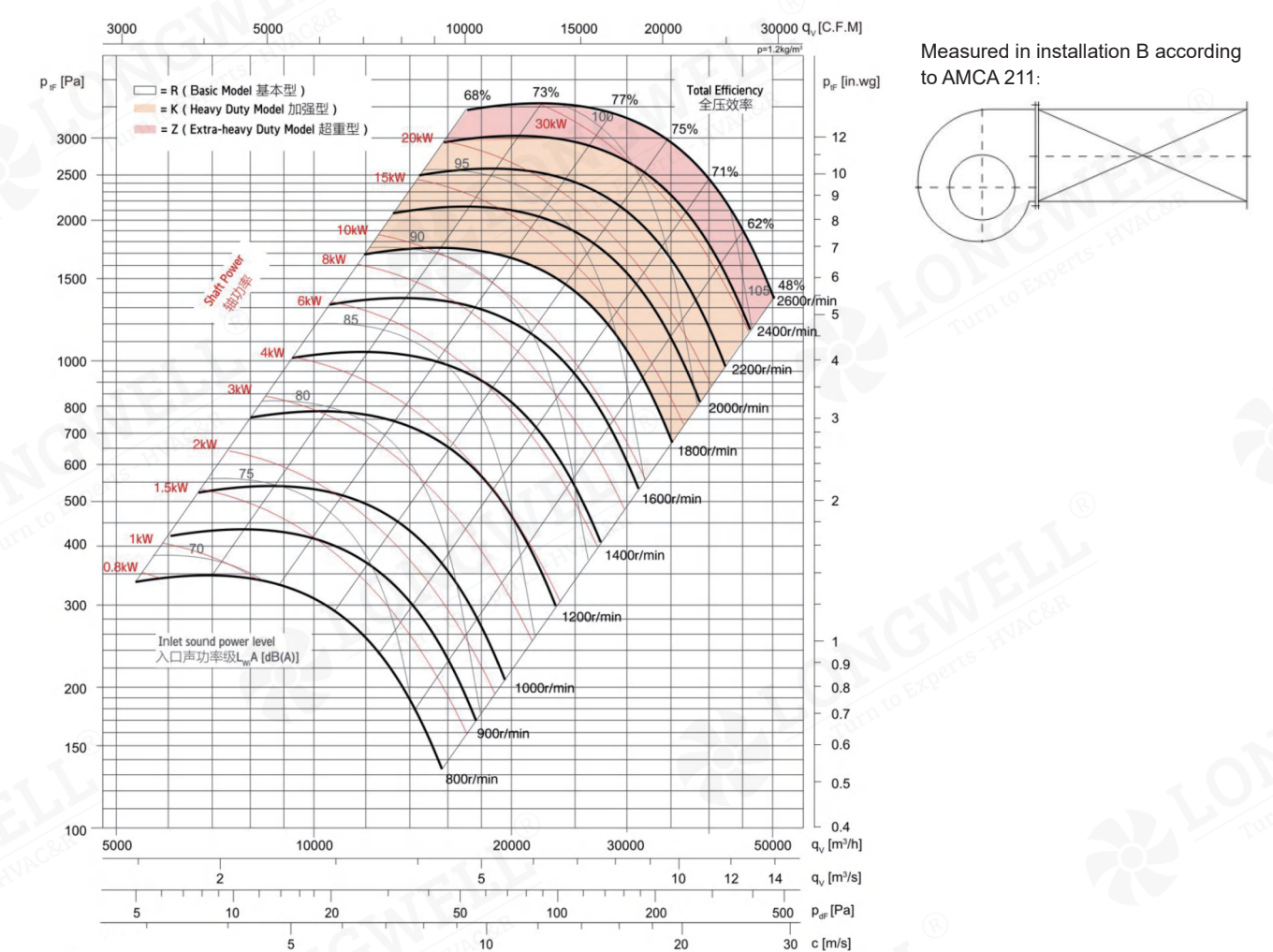
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-43	-36	-31	-23	-28	-29	-32	-39	dB(A)
71%	-45	-38	-33	-22	-28	-29	-33	-39	dB(A)
75%	-52	-44	-39	-22	-27	-29	-34	-41	dB(A)
74%	-53	-45	-40	-22	-27	-29	-34	-42	dB(A)
69%	-53	-45	-40	-22	-27	-28	-33	-42	dB(A)
60%	-55	-46	-41	-22	-29	-29	-34	-43	dB(A)
46%	-54	-44	-40	-22	-28	-28	-32	-40	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
66%	-16	-13	-9	-3	-8	-10	-13	-19	dB(A)
71%	-18	-15	-11	-2	-8	-10	-14	-20	dB(A)
75%	-25	-21	-17	-2	-8	-10	-14	-21	dB(A)
74%	-25	-19	-17	-2	-7	-9	-14	-23	dB(A)
69%	-23	-18	-15	-2	-7	-9	-14	-23	dB(A)
60%	-25	-19	-19	-2	-9	-10	-15	-23	dB(A)
46%	-24	-17	-17	-2	-8	-9	-13	-20	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
560mm	1.42kg·m²	2600r/min	435kg

RDHBM 24-24 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

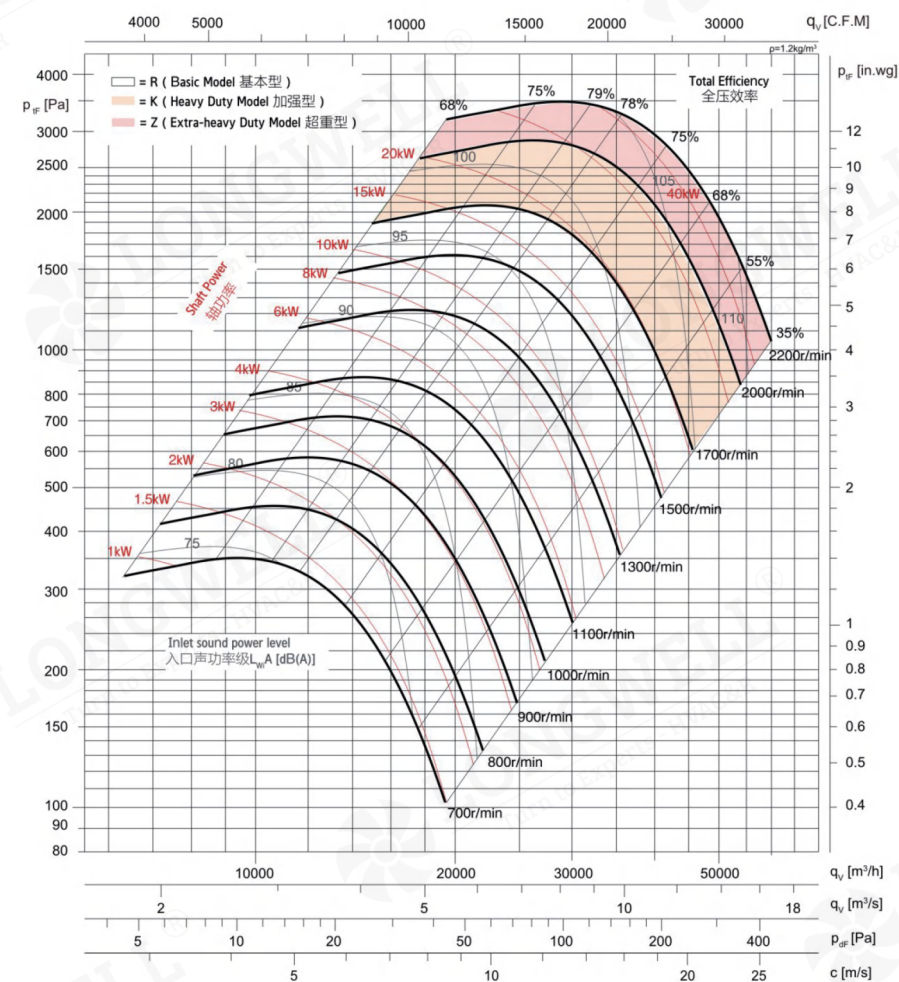
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-49	-42	-25	-28	-25	-28	-35	-43	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
79%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
78%	-48	-43	-25	-27	-25	-28	-36	-45	dB(A)
75%	-48	-22	-25	-27	-25	-28	-35	-45	dB(A)
68%	-49	-21	-26	-27	-25	-27	-33	-44	dB(A)
55%	-49	-42	-26	-28	-25	-27	-31	-42	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

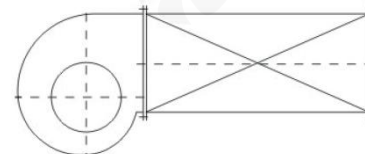
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-24	-21	-4	-8	-6	-9	-16	-24	dB(A)
75%	-23	-21	-4	-7	-6	-8	-16	-24	dB(A)
79%	-23	-21	-5	-8	-5	-8	-16	-24	dB(A)
78%	-23	-21	-4	-7	-6	-9	-17	-26	dB(A)
75%	-23	-20	-4	-8	-6	-8	-16	-26	dB(A)
68%	-22	-18	-5	-8	-5	-8	-14	-24	dB(A)
55%	-22	-19	-5	-8	-6	-8	-12	-23	dB(A)

Performance Curves

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



Measured in installation B according to AMCA 211:



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
630mm	2.32kg·m²	2200r/min	480kg

RDHBM 28-28 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

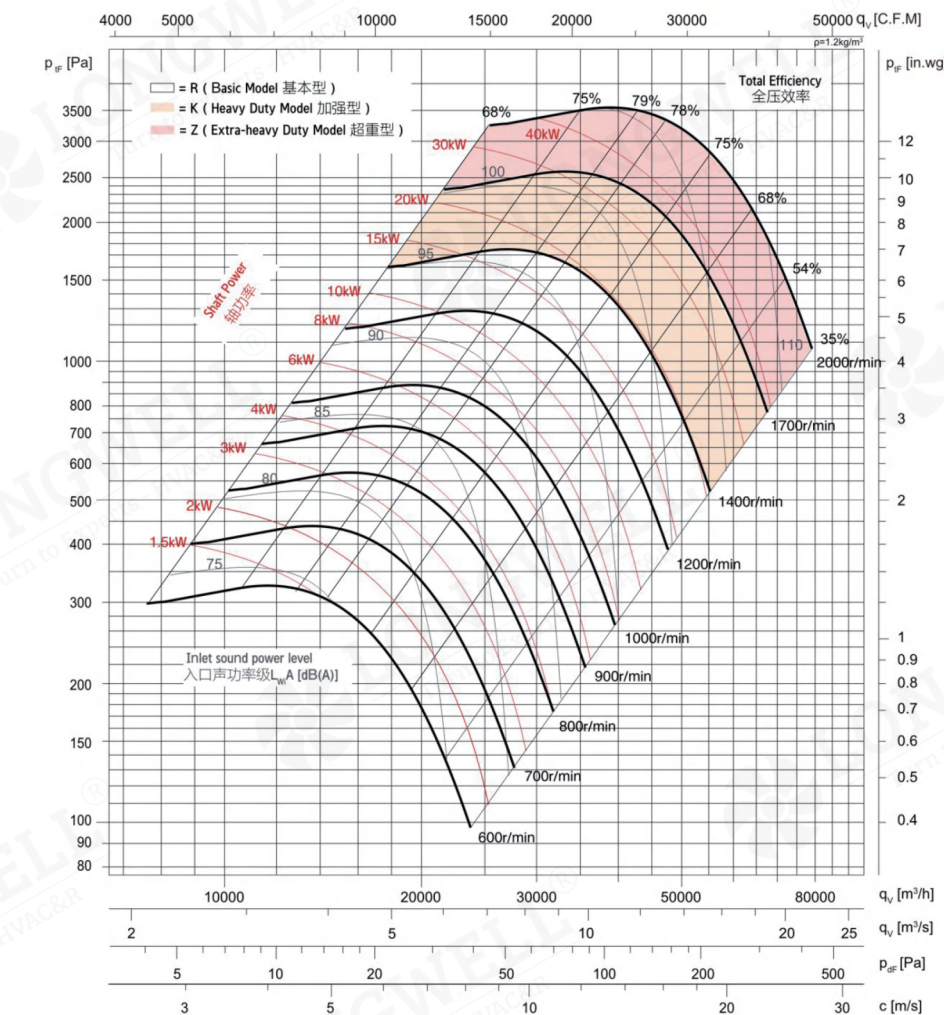
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-49	-42	-25	-28	-25	-28	-35	-43	dB(A)
75%	-48	-22	-25	-27	-25	-28	-35	-43	dB(A)
79%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
78%	-48	-43	-25	-27	-25	-28	-36	-45	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-45	dB(A)
68%	-49	-21	-26	-27	-25	-27	-33	-44	dB(A)
55%	-49	-42	-26	-28	-25	-27	-31	-42	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

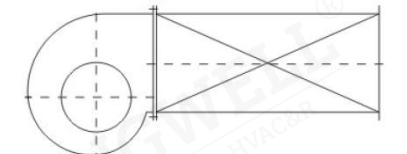
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-24	-21	-4	-8	-6	-9	-16	-24	dB(A)
75%	-23	-21	-4	-7	-6	-8	-16	-24	dB(A)
79%	-23	-21	-5	-8	-5	-8	-16	-24	dB(A)
78%	-23	-21	-4	-7	-6	-9	-17	-26	dB(A)
75%	-23	-20	-4	-8	-6	-8	-16	-26	dB(A)
68%	-22	-18	-5	-8	-5	-8	-14	-24	dB(A)
55%	-22	-19	-5	-8	-6	-8	-12	-23	dB(A)

Performance Curves

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



Measured in installation B according to AMCA 211:



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
710mm	4.75kg·m²	2000r/min	670kg

RDHBM 32-32 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

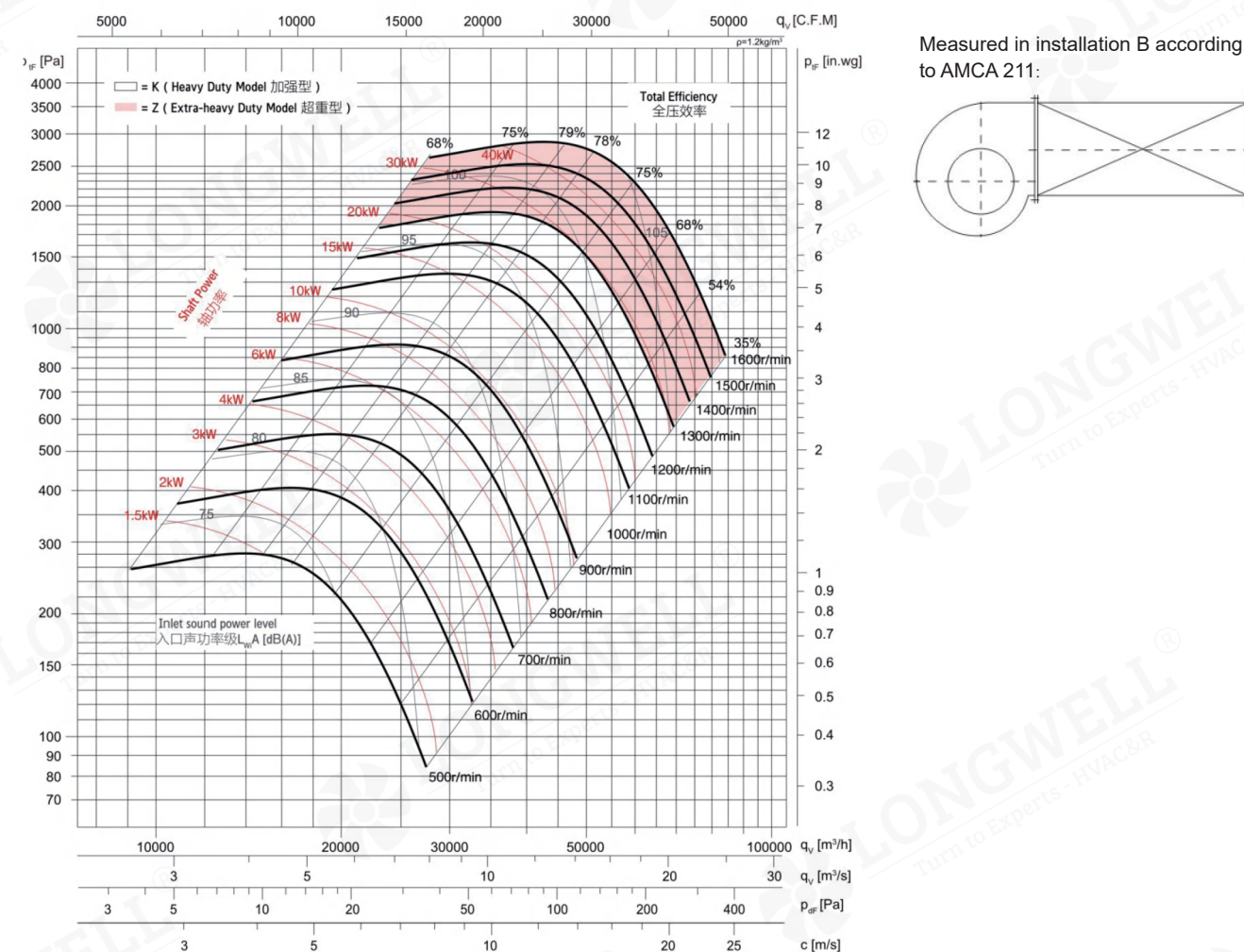
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-49	-42	-25	-28	-25	-28	-35	-43	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
79%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
78%	-48	-43	-25	-27	-25	-28	-36	-25	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-45	dB(A)
68%	-49	-41	-26	-27	-25	-27	-33	-44	dB(A)
55%	-49	-42	-26	-28	-25	-27	-31	-42	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-24	-21	-4	-8	-6	-9	-16	-24	dB(A)
75%	-23	-21	-4	-7	-6	-8	-16	-24	dB(A)
79%	-23	-21	-5	-8	-5	-8	-16	-24	dB(A)
78%	-23	-21	-4	-7	-6	-9	-17	-26	dB(A)
75%	-23	-20	-4	-8	-6	-8	-16	-26	dB(A)
68%	-22	-18	-5	-8	-5	-8	-14	-24	dB(A)
55%	-22	-19	-5	-8	-6	-8	-12	-23	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
800mm	9.25kg·m²	1600r/min	750kg

RDHBM 35-35 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

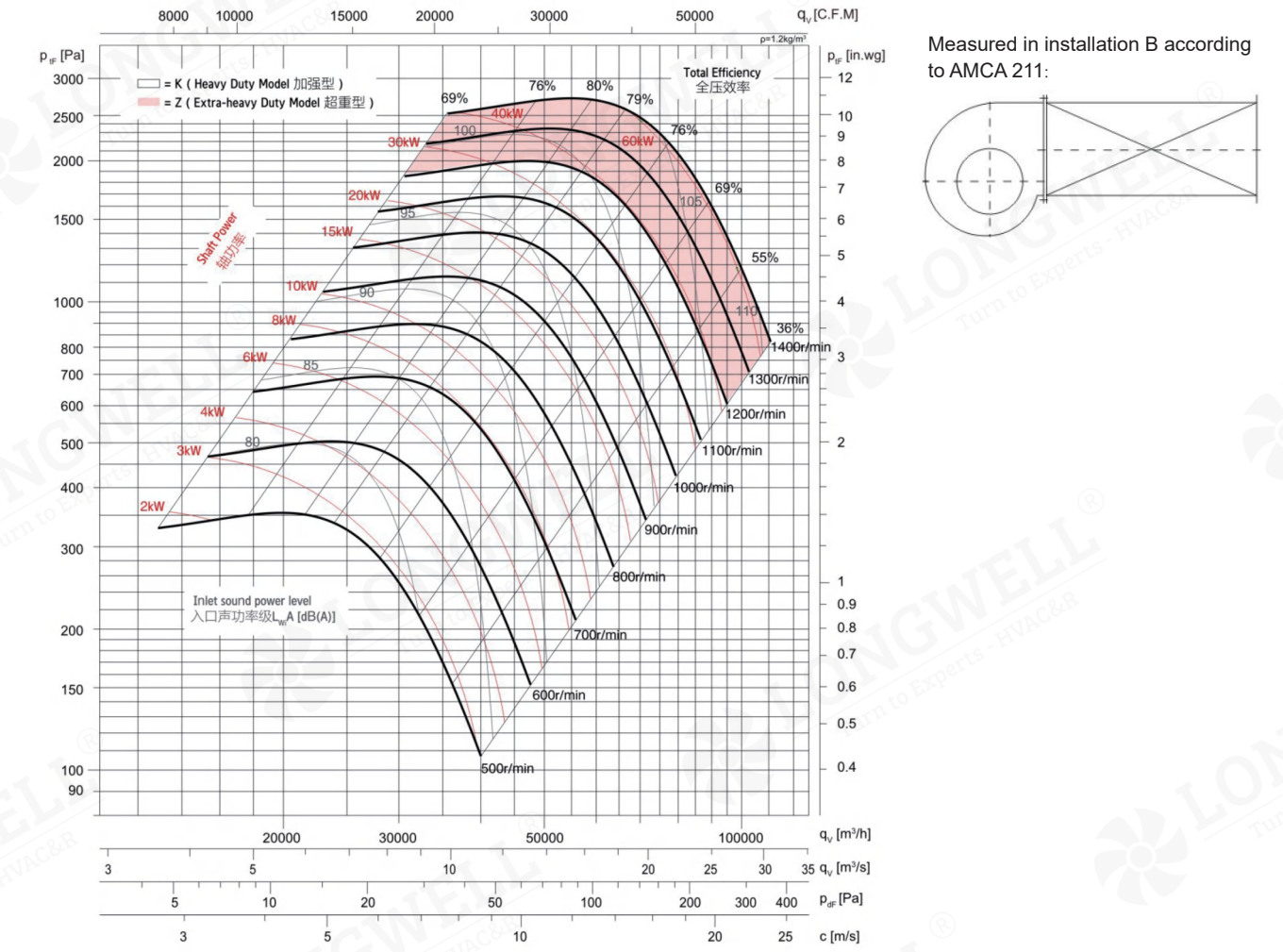
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-49	-42	-25	-28	-25	-28	-35	-43	dB(A)
75%	-48	-22	-25	-27	-25	-28	-35	-43	dB(A)
79%	-48	-22	-25	-27	-25	-28	-35	-43	dB(A)
78%	-48	-43	-25	-27	-25	-28	-36	-45	dB(A)
75%	-48	-22	-25	-27	-25	-28	-35	-45	dB(A)
68%	-49	-41	-26	-27	-25	-27	-33	-44	dB(A)
55%	-49	-42	-26	-28	-25	-27	-31	-42	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-24	-21	-4	-8	-6	-9	-16	-24	dB(A)
75%	-23	-21	-4	-7	-6	-8	-16	-24	dB(A)
79%	-23	-21	-5	-8	-5	-8	-16	-24	dB(A)
78%	-23	-21	-4	-7	-6	-9	-17	-26	dB(A)
75%	-23	-20	-4	-8	-6	-8	-16	-26	dB(A)
68%	-22	-18	-5	-8	-5	-8	-14	-24	dB(A)
55%	-22	-19	-5	-8	-6	-8	-12	-23	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
900mm	13.8kg·m²	1400r/min	985kg

RDHBM 39-39 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

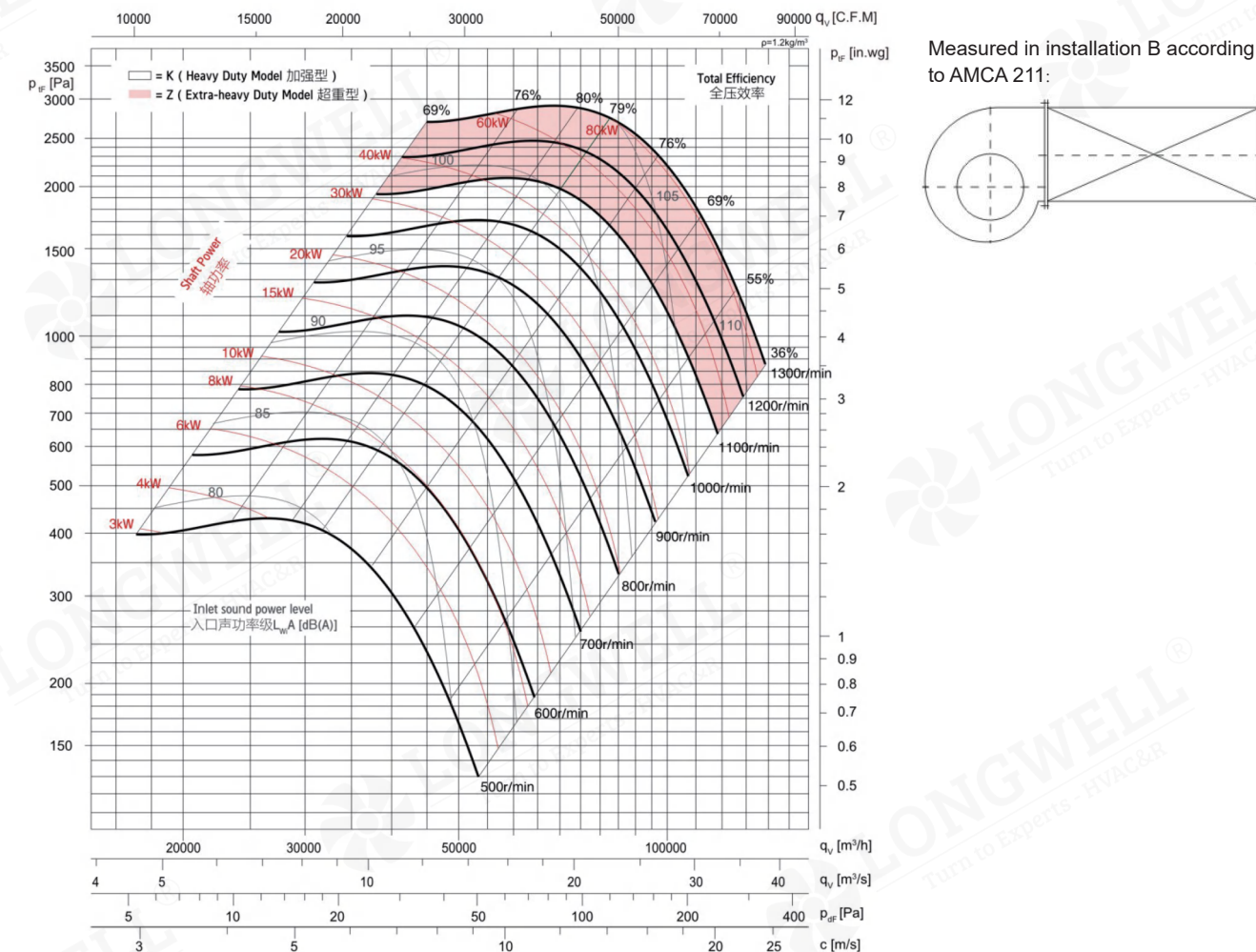
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-49	-42	-25	-28	-25	-28	-35	-43	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-43	dB(A)
79%	-48	-42	-25	-27	-25	-28	-15	-43	dB(A)
78%	-48	-43	-25	-27	-25	-28	-36	-45	dB(A)
75%	-48	-42	-25	-27	-25	-28	-35	-45	dB(A)
68%	-49	-41	-26	-27	-25	-27	-33	-44	dB(A)
55%	-49	-42	-26	-28	-25	-27	-31	-42	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

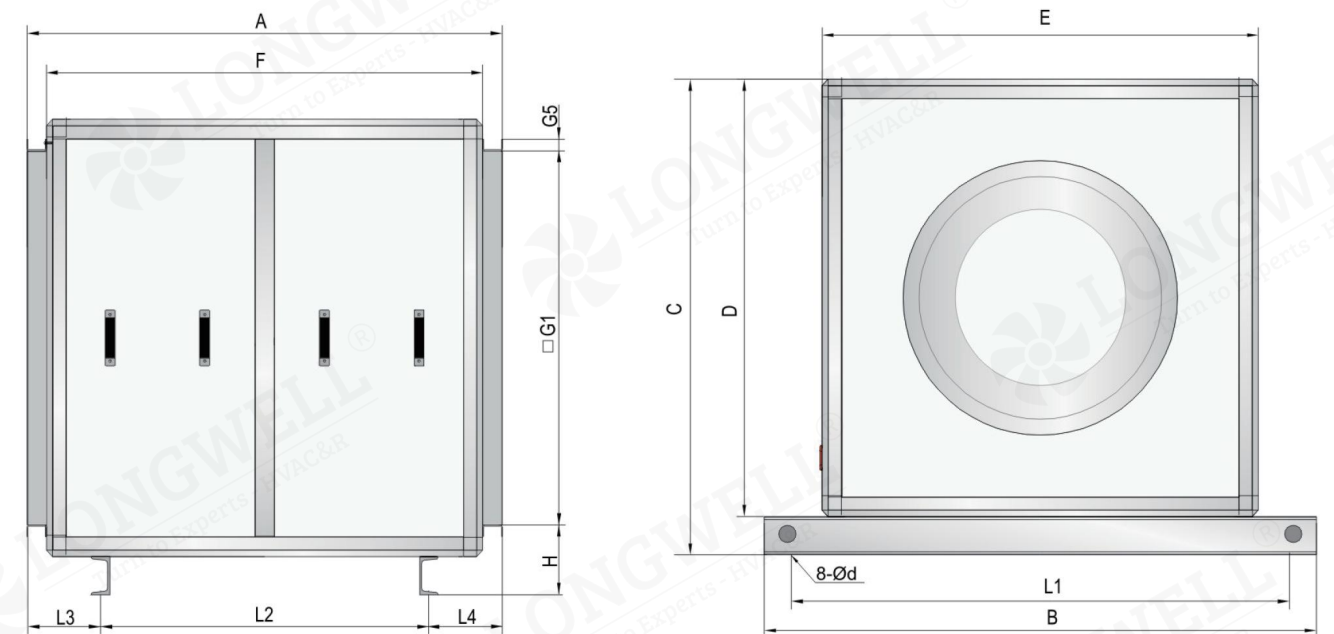
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
68%	-24	-21	-4	-8	-6	-9	-16	-24	dB(A)
75%	-23	-21	-4	-7	-6	-8	-16	-24	dB(A)
79%	-23	-21	-5	-8	-5	-8	-16	-24	dB(A)
78%	-23	-21	-4	-7	-6	-9	-17	-26	dB(A)
75%	-23	-20	-4	-8	-6	-8	-16	-26	dB(A)
68%	-22	-18	-5	-8	-5	-8	-14	-24	dB(A)
55%	-22	-19	-5	-8	-6	-8	-12	-23	dB(A)

Performance Curves

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



RLMBM Series Fan Overall Dimension

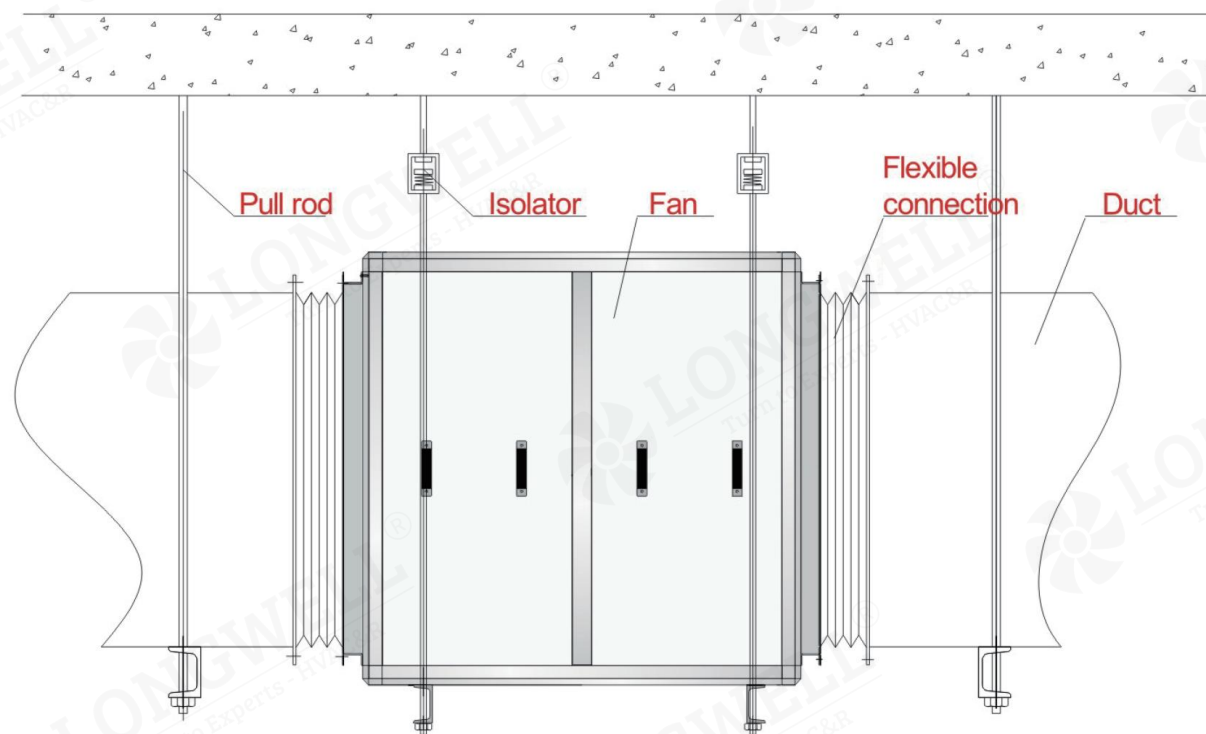


Unit:mm

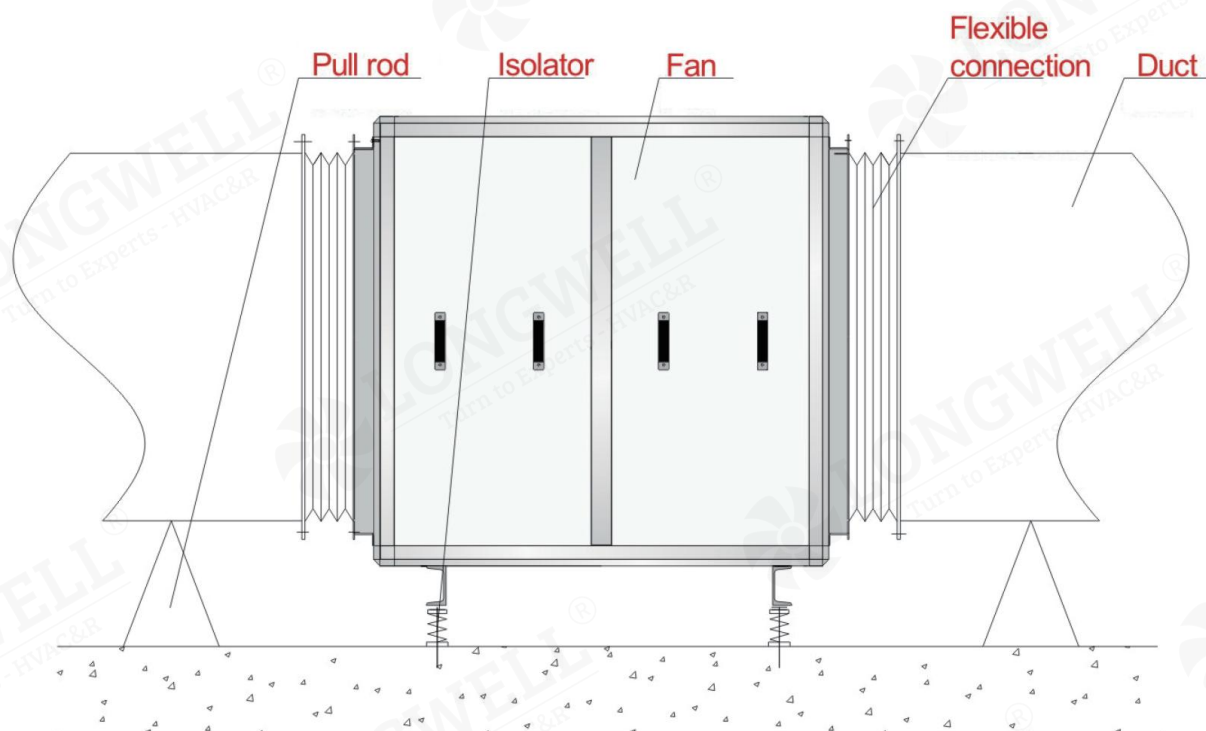
Model	A	B	C	D	E	F	G1	G5	H	L1	L2	L3	L4	Φd
RLMBM 10-10	582	790	563	500	500	500	380	30	123	660	360	120	102	14
RLMBM 11-11	612	820	593	530	530	530	408	30	123	690	370	130	112	14
RLMBM 12-12	682	890	663	600	600	600	478	30	123	760	440	130	110	14
RLMBM 14-14	702	910	683	620	620	620	498	30	123	780	460	130	112	14
RLMBM 16-16	755	970	743	680	680	680	538	30	138	840	505	137.5	112.5	14
RLMBM 18-18	855	1080	860	780	780	780	638	30	155	940	590	145	120	14
RLMBM 20-20	975	1200	980	900	900	900	758	30	155	1060	710	145	120	14
RLMBM 22-22	1035	1260	1040	960	960	960	818	30	160	1120	770	145	120	14
RLMBM 24-24	1085	1310	1090	1010	1010	1010	868	30	160	1170	810	150	125	14
RLMBM 28-28	1205	1430	1230	1130	1130	1130	968	30	190	1290	850	190	210	14
RLMBM 32-32	1325	1550	1350	1250	1250	1250	1088	30	190	1410	930	210	185	14
RLMBM 35-35	1475	1700	1500	1400	1400	1400	1238	30	190	1560	1060	220	195	18
RLMBM 39-39	1625	1850	1650	1550	1550	1550	1388	30	190	1710	1150	250	225	18

Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
1000mm	24.8kg·m²	1300r/min	1150kg

RLMBM Ceiling Installation Schematic Diagram



RLMBM Floor Installation Schematic Diagram



RLMBM 10-10 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}$ (A) at octave centre frequencies

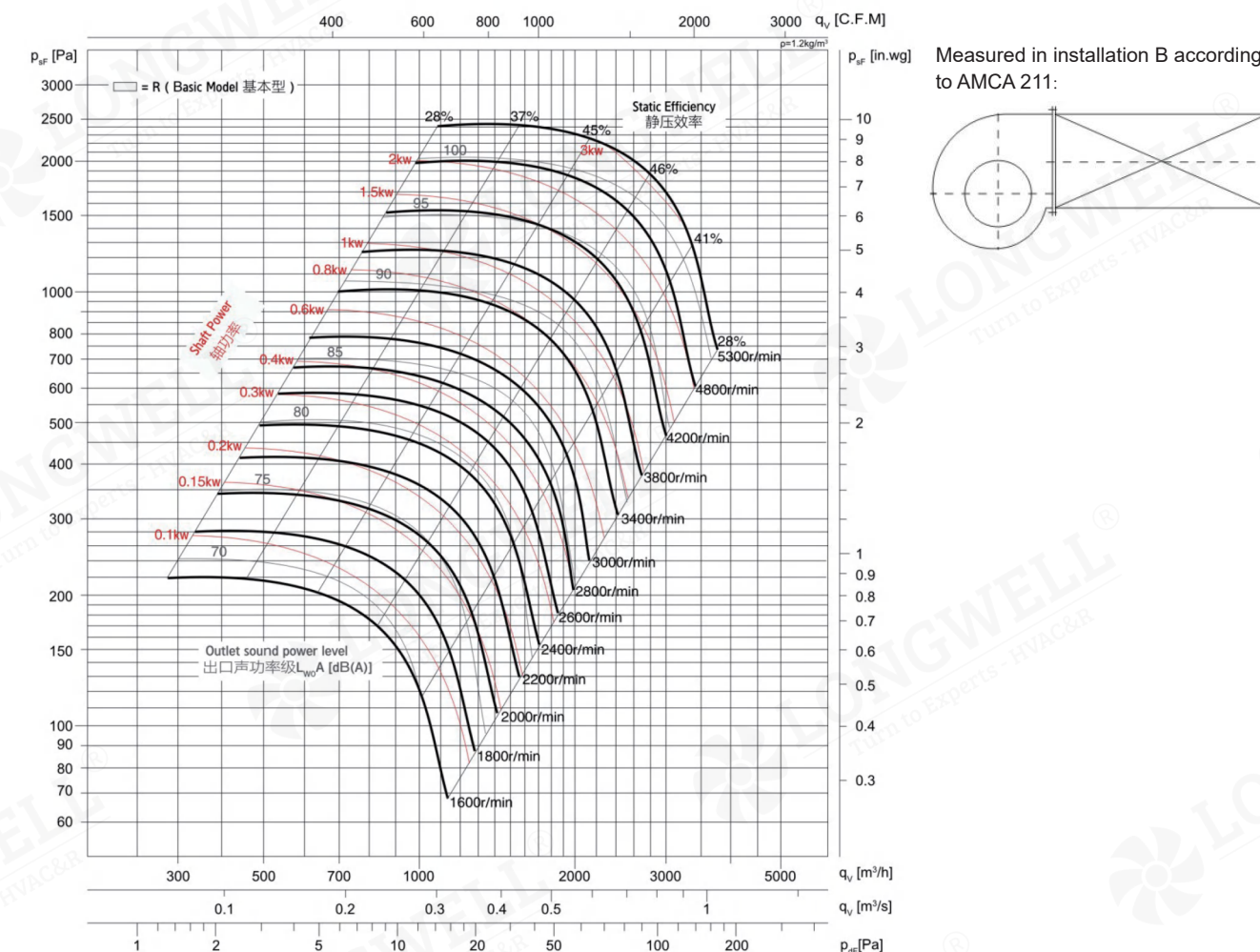
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	dB(A)

Relative A sound power level for outlet side L_{W0} (A)
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-20	-14	-11	-5	-6	-7	-13	-14	dB(A)
37%	-18	-14	-10	-5	-6	-7	-13	-14	dB(A)
45%	-20	-15	-9	-5	-7	-7	-13	-16	dB(A)
46%	-19	-15	-8	-6	-6	-7	-12	-14	dB(A)
41%	-18	-17	-12	-6	-5	-5	-12	-21	dB(A)
28%	-18	-18	-14	-7	-5	-4	-13	-29	dB(A)

Performance Curves

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



Wheel Diameter

250mm

Moment of Inertia

0.02kg·m²

Speed Limit

5300r/min

Fan Weight

55kg

RLMBM 11-11 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

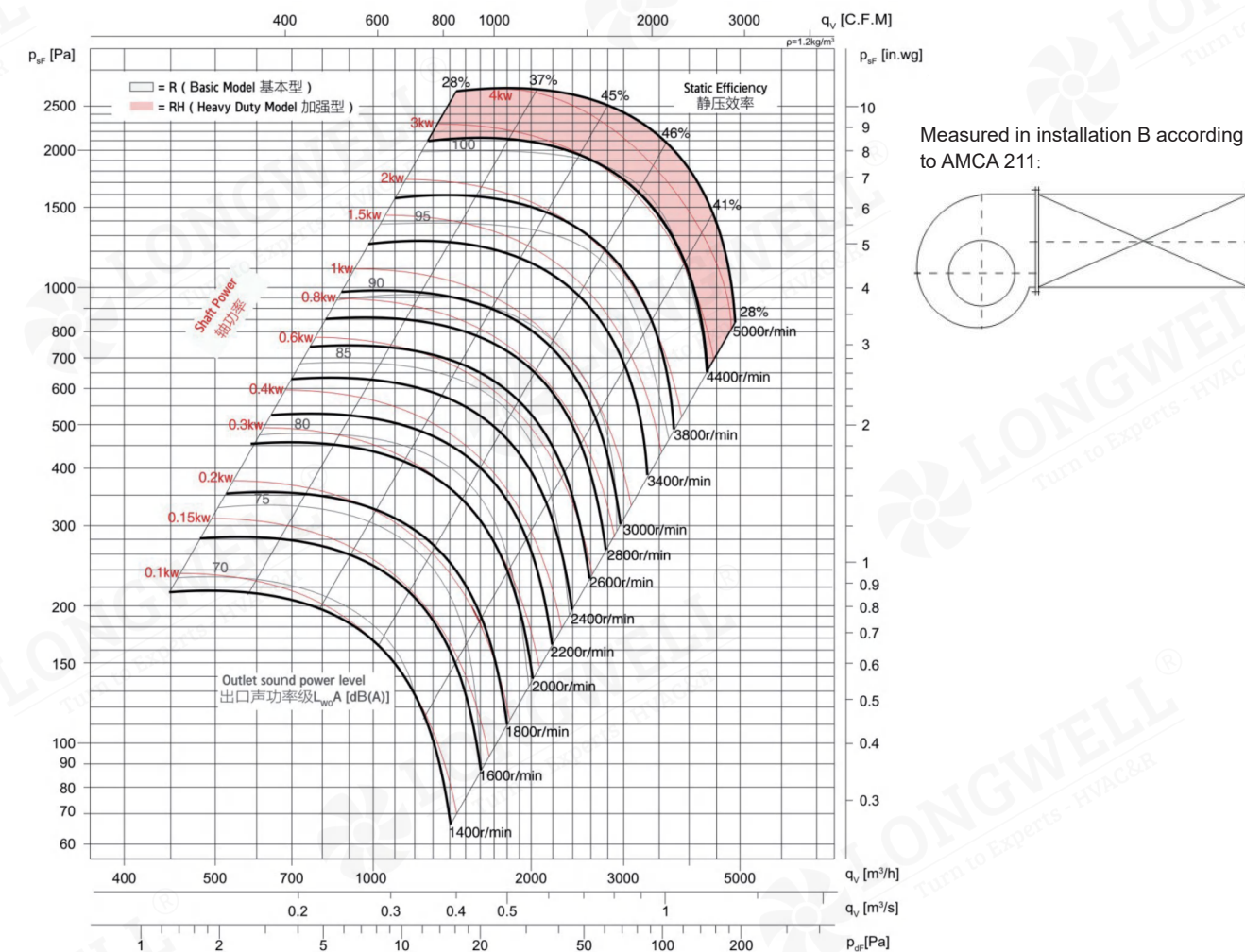
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-20	-14	-11	-5	-6	-7	-13	-14	dB(A)
37%	-18	-14	-10	-5	-6	-7	-13	-14	dB(A)
45%	-20	-15	-9	-5	-7	-7	-13	-16	dB(A)
46%	-19	-15	-8	-6	-6	-7	-12	-14	dB(A)
41%	-18	-17	-12	-6	-5	-5	-12	-21	dB(A)
28%	-18	-18	-14	-7	-5	-4	-13	-29	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
280mm	0.034kg·m²	5000r/min	58kg

RLMBM 12-12 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

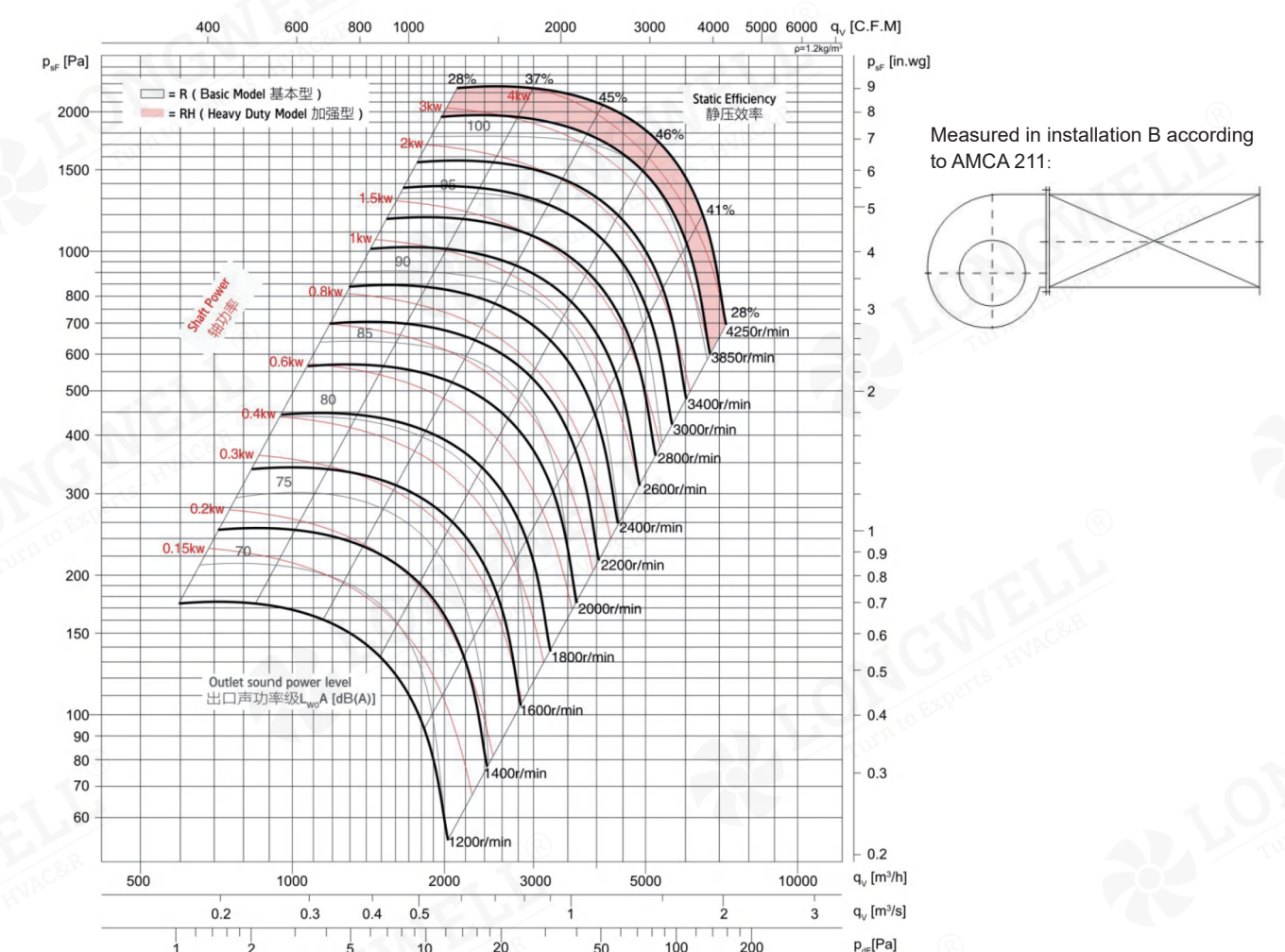
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-20	-14	-11	-5	-6	-7	-13	-14	dB(A)
37%	-18	-14	-10	-5	-6	-7	-13	-14	dB(A)
45%	-20	-15	-9	-5	-7	-7	-13	-16	dB(A)
46%	-19	-15	-8	-6	-6	-7	-12	-14	dB(A)
41%	-18	-17	-12	-6	-5	-5	-12	-21	dB(A)
28%	-18	-18	-14	-7	-5	-4	-13	-29	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
315mm	0.053kg·m²	4250r/min	63kg

RLMBM 14-14 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

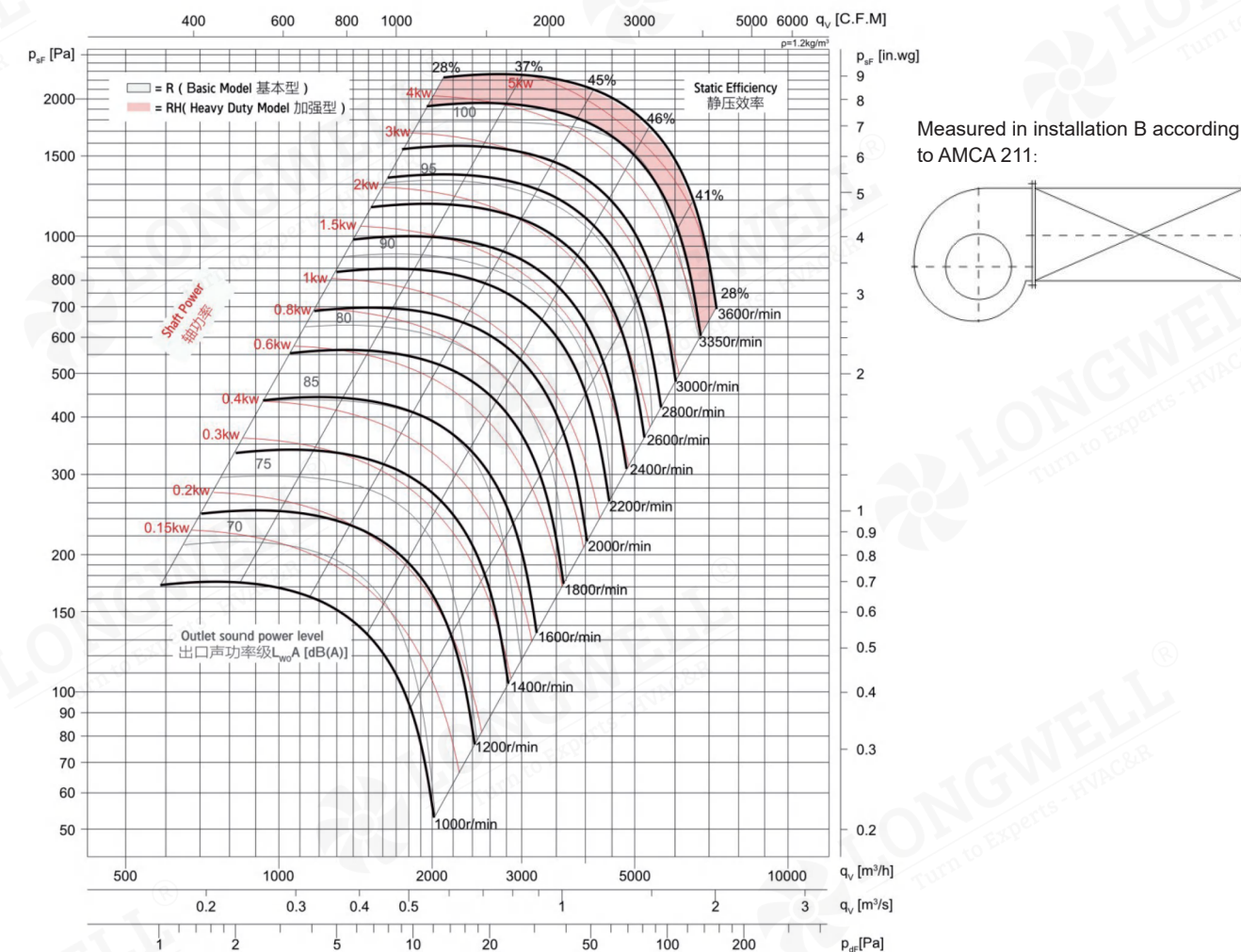
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-20	-14	-11	-5	-6	-7	-13	-14	dB(A)
37%	-18	-14	-10	-5	-6	-7	-13	-14	dB(A)
45%	-20	-15	-9	-5	-7	-7	-13	-16	dB(A)
46%	-19	-15	-8	-6	-6	-7	-12	-14	dB(A)
41%	-18	-17	-12	-6	-5	-5	-12	-21	dB(A)
28%	-18	-18	-14	-7	-5	-4	-13	-29	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
355mm	0.102kg·m²	3600r/min	69kg

RLMBM 16-16 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

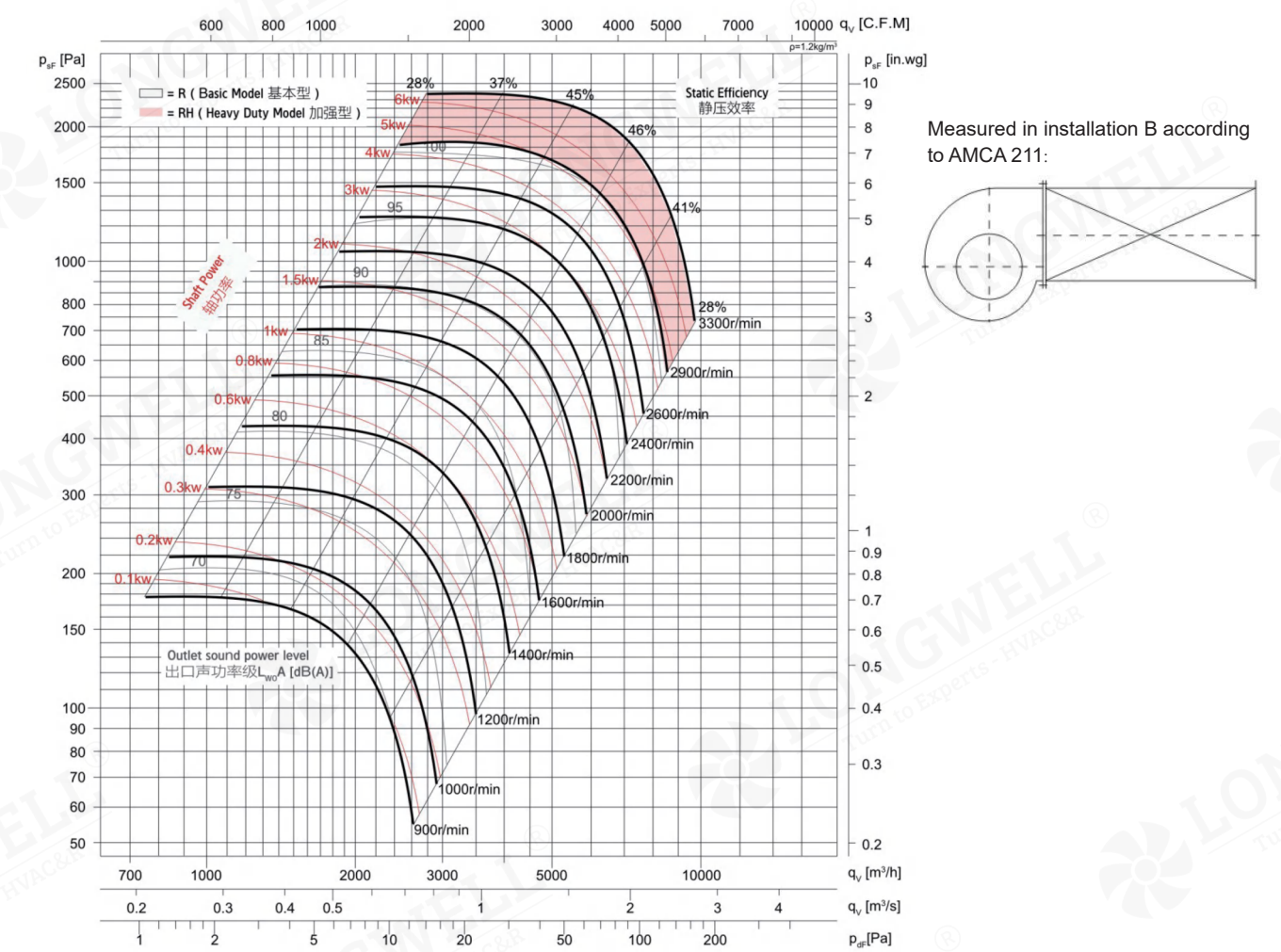
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-20	-14	-11	-5	-6	-7	-13	-14	dB(A)
37%	-18	-14	-10	-5	-6	-7	-13	-14	dB(A)
45%	-20	-15	-9	-5	-7	-7	-13	-16	dB(A)
46%	-19	-15	-8	-6	-6	-7	-12	-14	dB(A)
41%	-18	-17	-12	-6	-5	-5	-12	-21	dB(A)
28%	-18	-18	-14	-7	-5	-4	-13	-29	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
400mm	0.162kg·m²	3300r/min	95kg

RLMBM 18-18 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

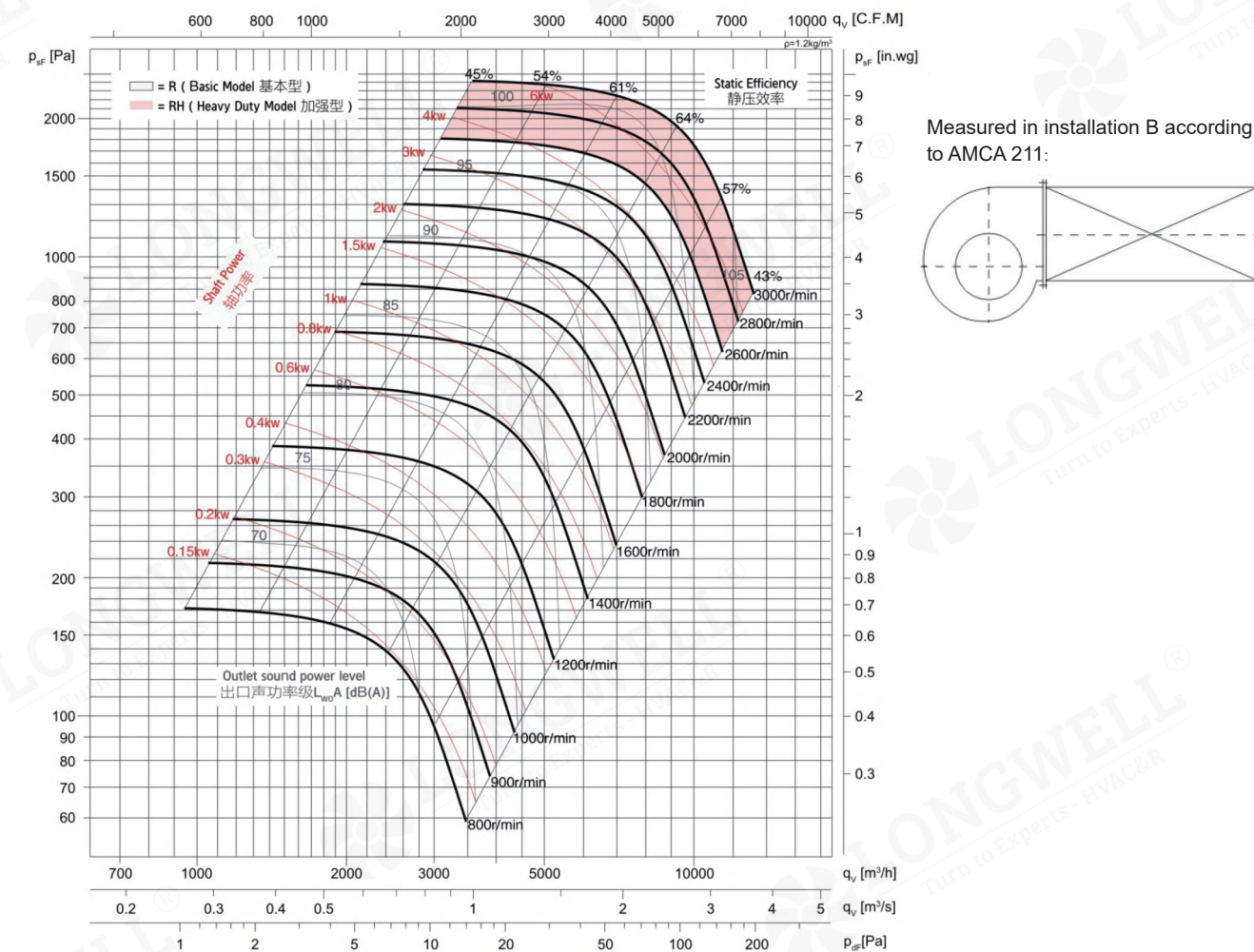
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-6	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
43%	-61	-45	-35	-28	-24	-25	-32	-44	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-28	-11	-8	-8	-4	-8	-15	-23	dB(A)
54%	-27	-12	-8	-7	-4	-7	-14	-23	dB(A)
61%	-27	-13	-8	-7	-4	-7	-15	-23	dB(A)
64%	-29	-17	-10	-7	-4	-7	-14	-23	dB(A)
57%	-30	-18	-11	-7	-4	-6	-13	-24	dB(A)
43%	-30	-18	-12	-7	-4	-5	-13	-24	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
450mm	0.26kg·m²	3000r/min	121kg

RLMBM 20-20 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

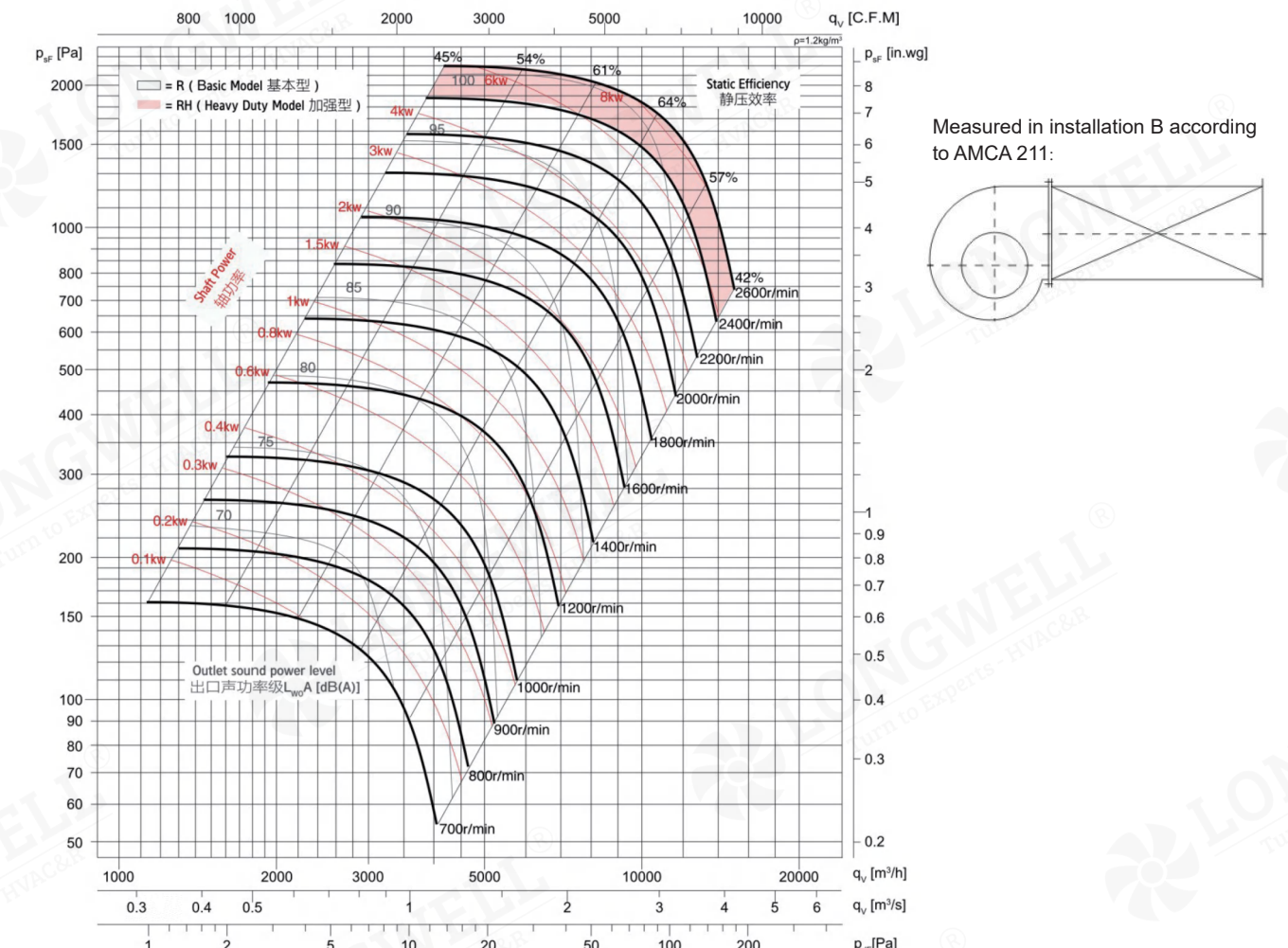
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-28	-11	-8	-8	-4	-8	-15	-23	dB(A)
54%	-27	-12	-8	-7	-4	-7	-14	-23	dB(A)
61%	-27	-13	-8	-7	-4	-7	-15	-23	dB(A)
64%	-29	-17	-10	-7	-4	-7	-14	-23	dB(A)
57%	-30	-18	-11	-7	-4	-6	-13	-24	dB(A)
42%	-30	-18	-12	-7	-4	-5	-13	-24	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
500mm	0.45kg·m²	2600r/min	156kg

RLMBM 22-22 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

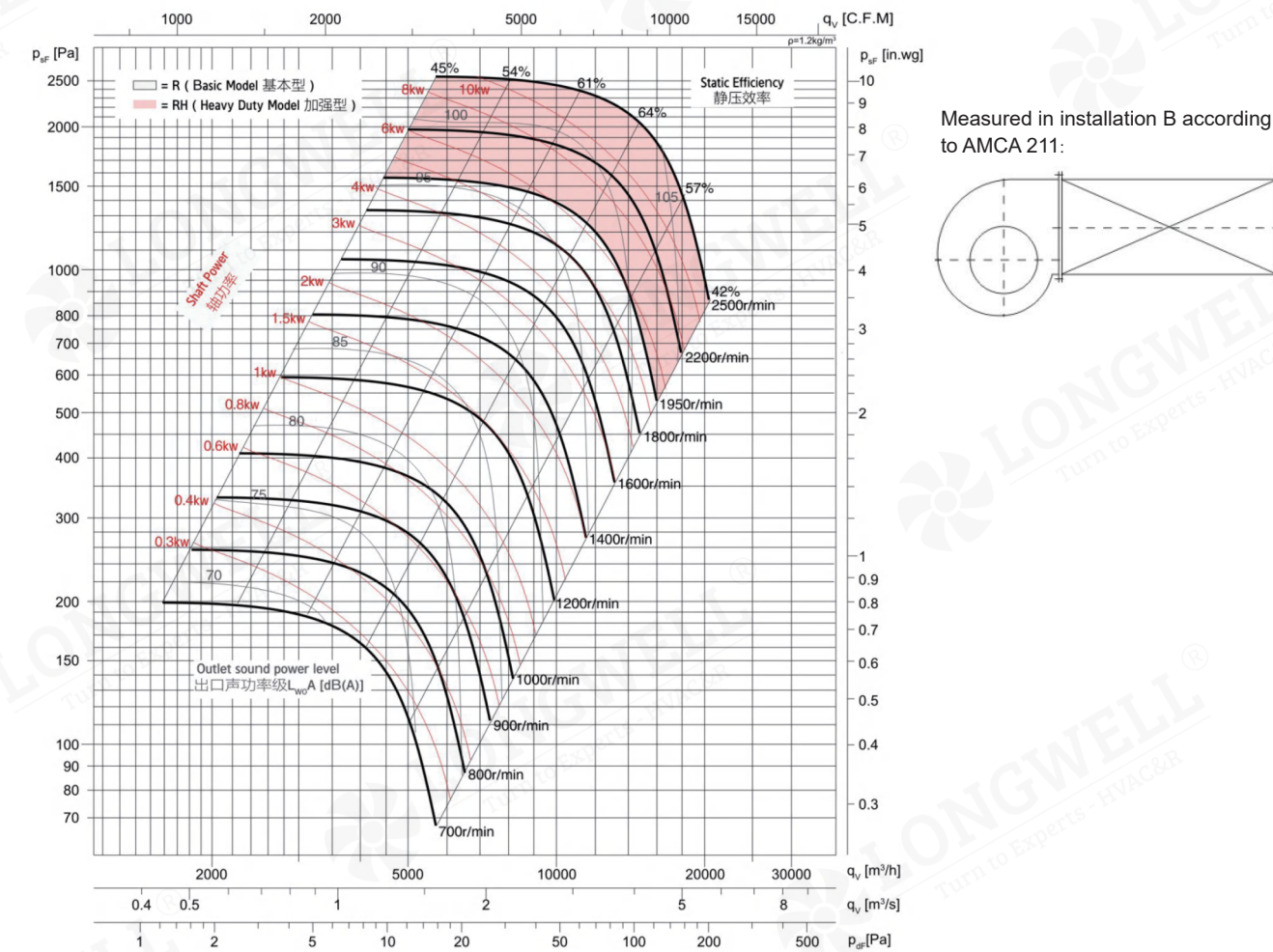
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-28	-11	-8	-8	-4	-8	-15	-23	dB(A)
54%	-27	-12	-8	-7	-4	-7	-14	-23	dB(A)
61%	-27	-13	-8	-7	-4	-7	-15	-23	dB(A)
64%	-29	-17	-10	-7	-4	-7	-14	-23	dB(A)
57%	-30	-18	-11	-7	-4	-6	-13	-24	dB(A)
42%	-30	-18	-12	-7	-4	-5	-13	-24	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
560mm	0.74kg·m²	2500r/min	165kg

RLMBM 24-24 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

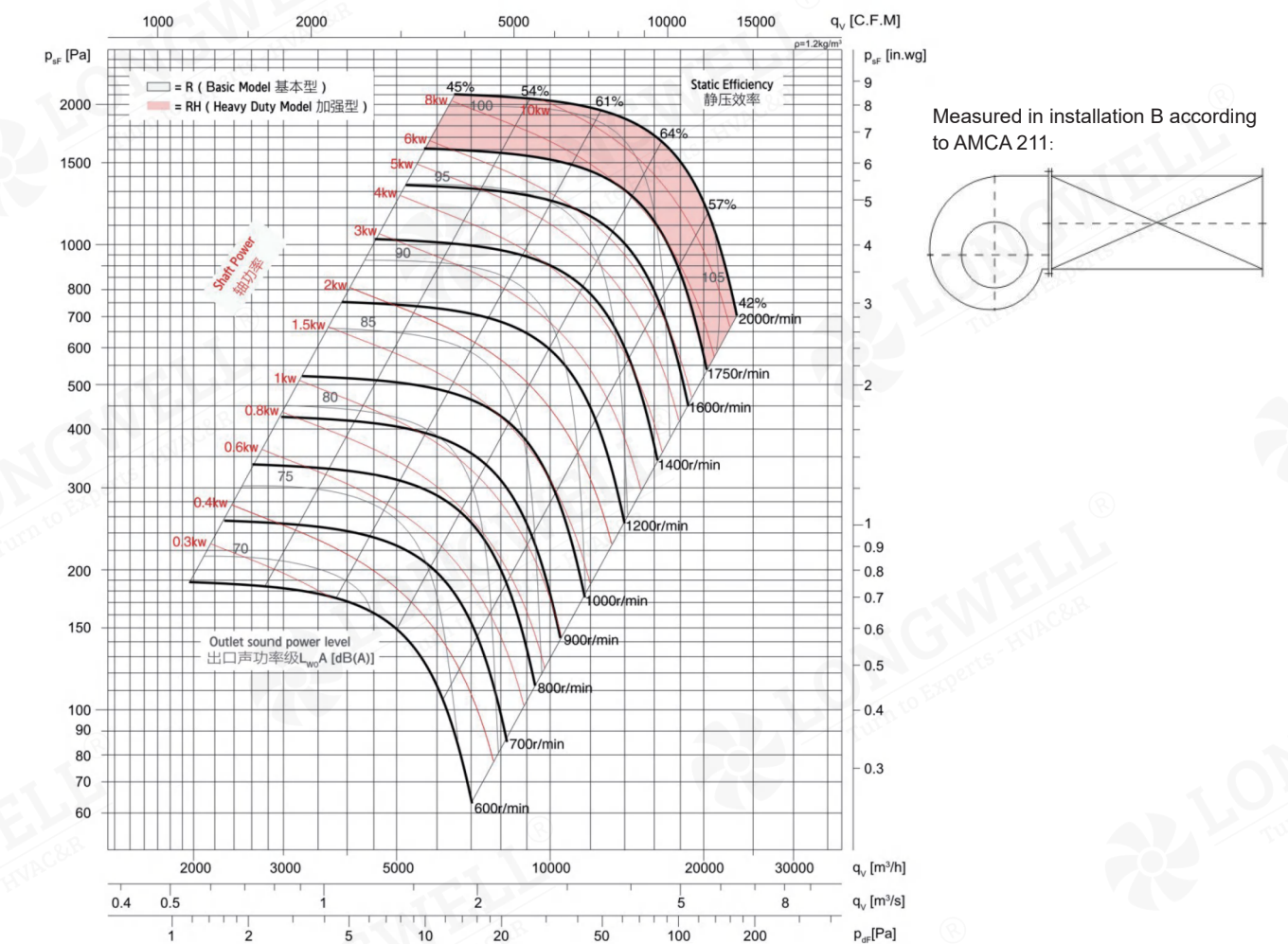
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-28	-11	-8	-8	-4	-8	-15	-23	dB(A)
54%	-27	-12	-8	-7	-4	-7	-14	-23	dB(A)
61%	-27	-13	-8	-7	-4	-7	-15	-23	dB(A)
64%	-29	-17	-10	-7	-4	-7	-14	-23	dB(A)
57%	-30	-18	-11	-7	-4	-6	-13	-24	dB(A)
42%	-30	-18	-12	-7	-4	-5	-13	-24	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
630mm	1.2kg·m²	2000r/min	182kg

RLMBM 28-28 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

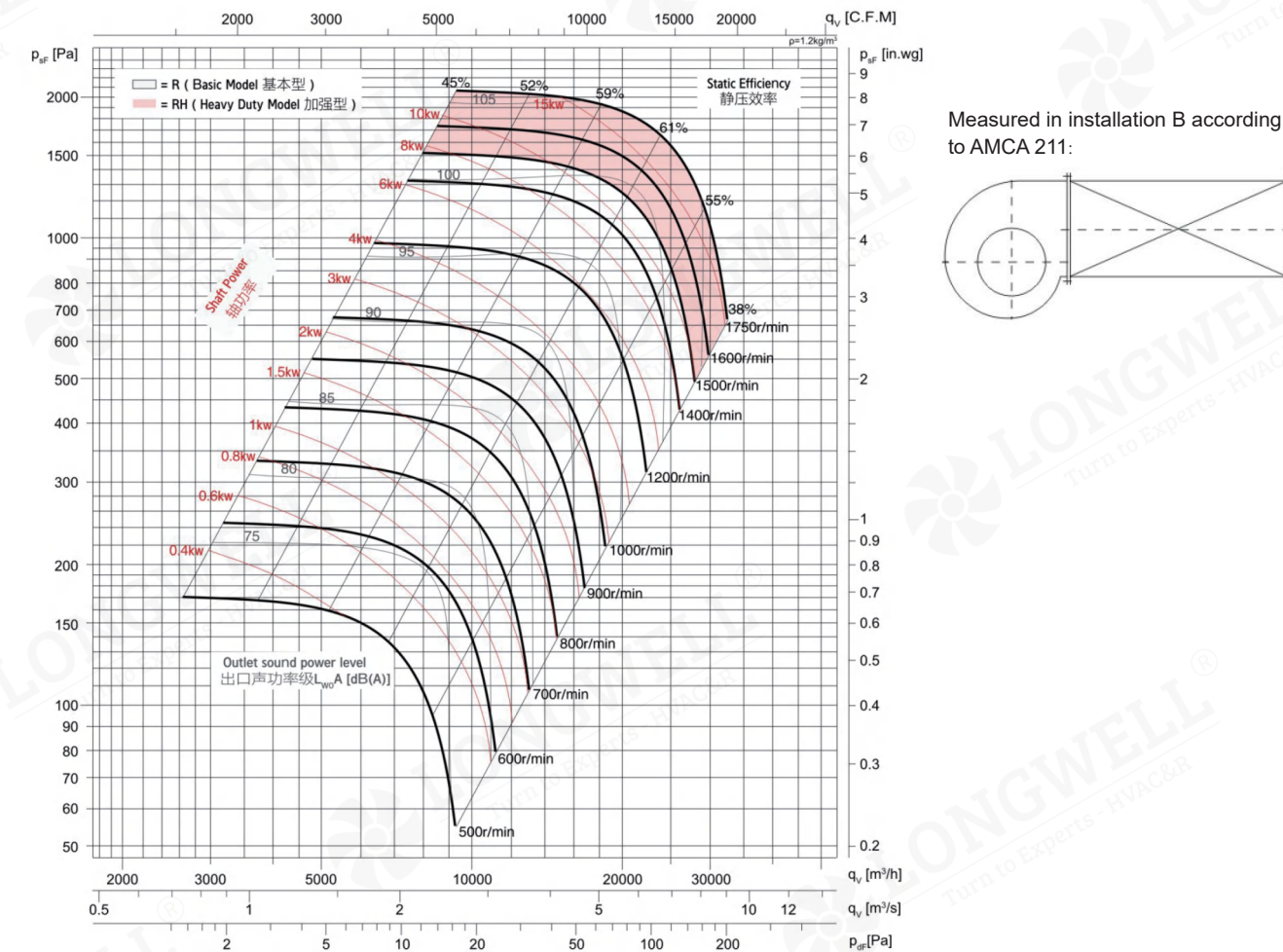
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-26	-27	-28	-33	dB(A)	
38%	-37	-35	-30	-30	-26	-27	-27	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-26	-10	-9	-5	-4	-10	-16	-25	dB(A)
52%	-25	-11	-9	-5	-5	-10	-16	-25	dB(A)
59%	-25	-13	-8	-5	-5	-9	-15	-24	dB(A)
61%	-26	-20	-10	-6	-5	-6	-11	-21	dB(A)
55%	-28	-21	-12	-7	-5	-5	-10	-21	dB(A)
38%	-31	-21	-12	-8	-6	-4	-11	-22	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
710mm	2.43kg·m²	1750r/min	302kg

RLMBM 32-32 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

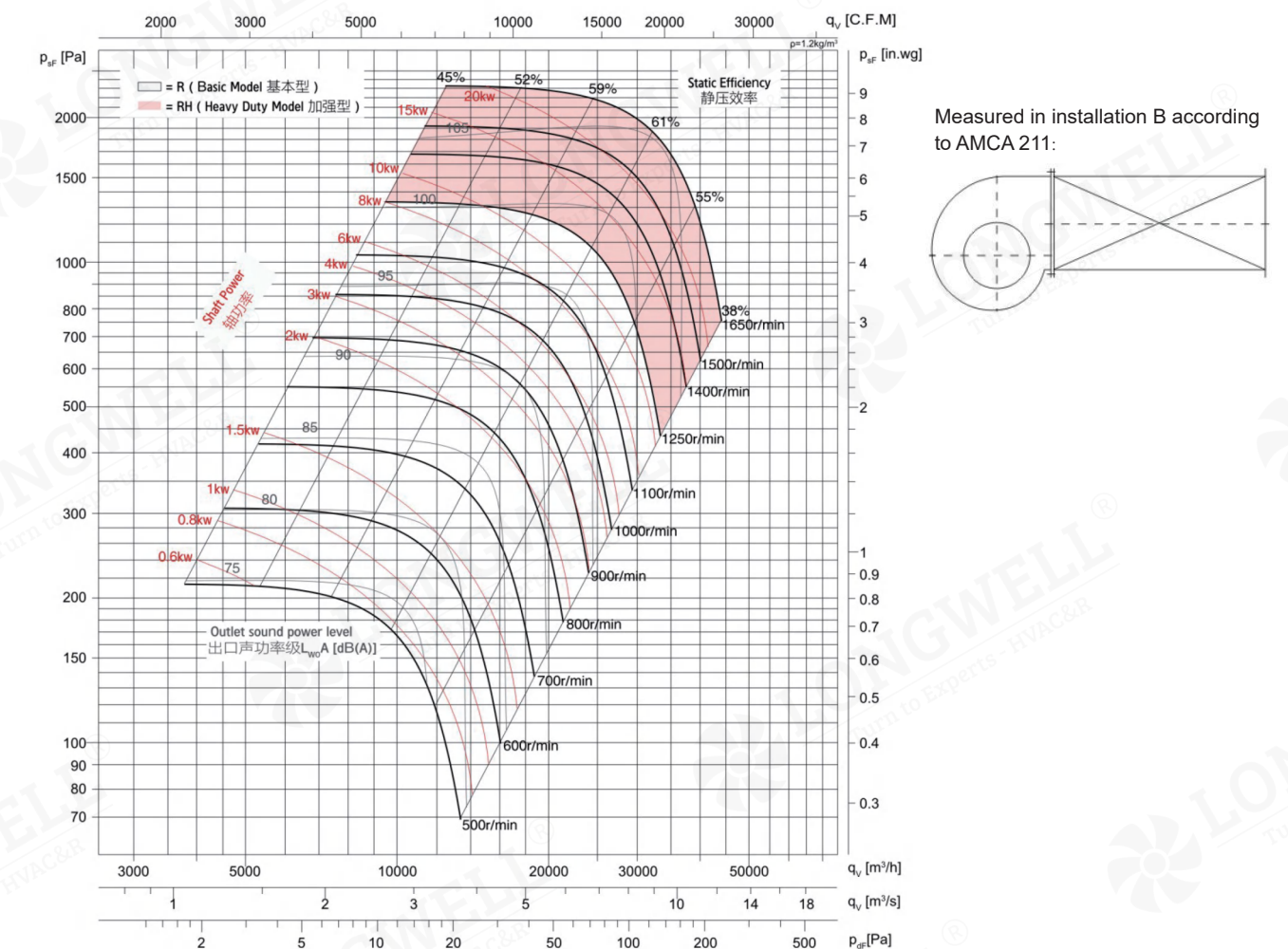
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-51	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-26	-10	-9	-5	-4	-10	-16	-25	dB(A)
52%	-25	-11	-9	-5	-5	-10	-16	-25	dB(A)
59%	-25	-13	-8	-5	-5	-9	-15	-24	dB(A)
61%	-26	-20	-10	-6	-5	-6	-11	-21	dB(A)
55%	-28	-21	-12	-7	-5	-5	-10	-21	dB(A)
38%	-31	-21	-12	-8	-6	-4	-11	-22	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
800mm	4.88kg·m²	1650r/min	352kg

RLMBM 35-35 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

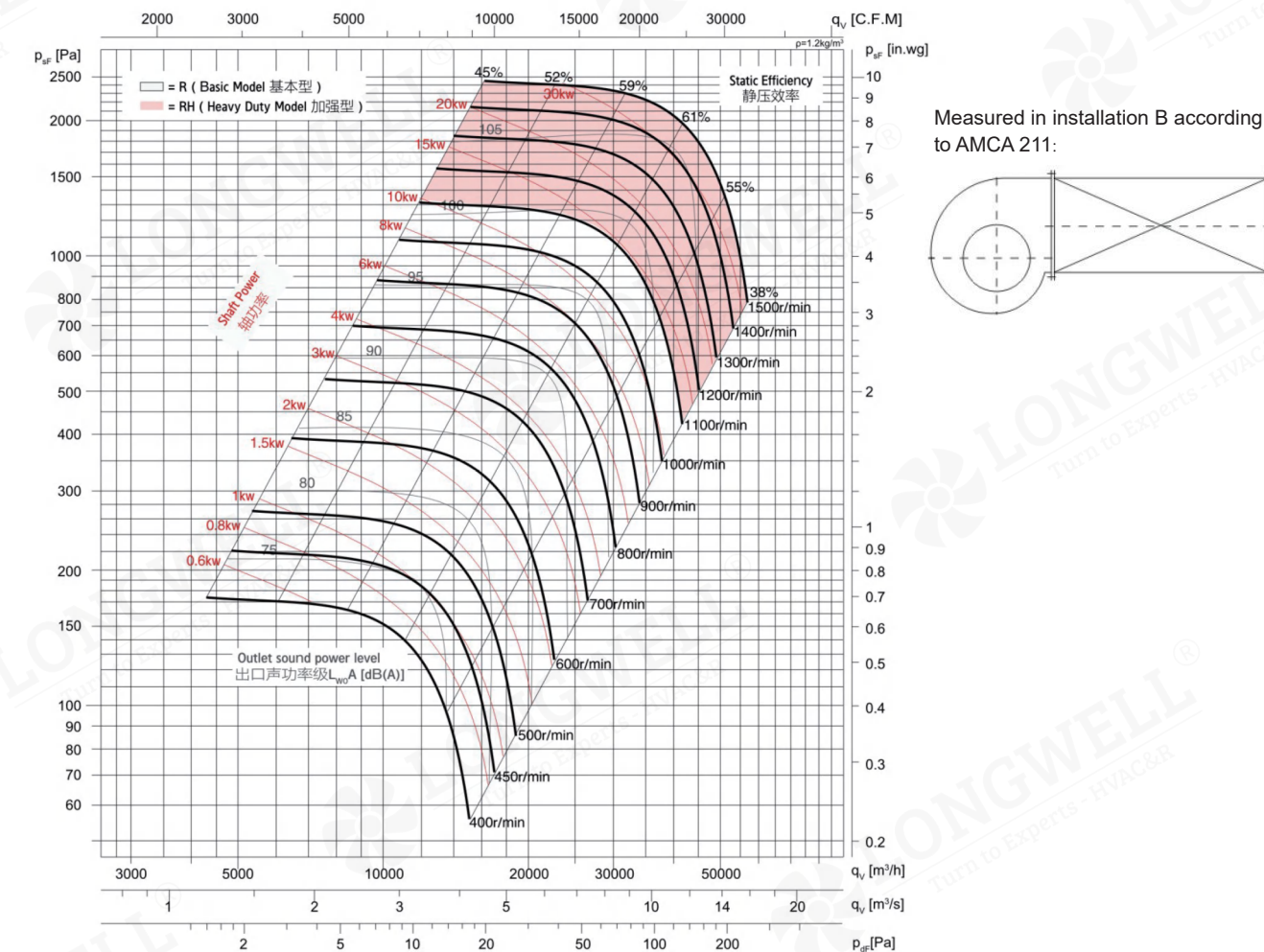
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-26	-10	-9	-5	-4	-10	-16	-25	dB(A)
52%	-25	-11	-9	-5	-5	-10	-16	-25	dB(A)
59%	-25	-13	-8	-5	-5	-9	-15	-24	dB(A)
61%	-26	-20	-10	-6	-5	-6	-11	-21	dB(A)
55%	-28	-21	-12	-7	-5	-5	-10	-21	dB(A)
38%	-31	-21	-12	-8	-6	-4	-11	-22	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
900mm	7.32kg·m²	1500r/min	425kg

RLMBM 39-39 Box-type Fan

Noise Spectrum

Relative A sound power level for one meters from the cabinet
 $L_{W(m)}(A)$ at octave centre frequencies

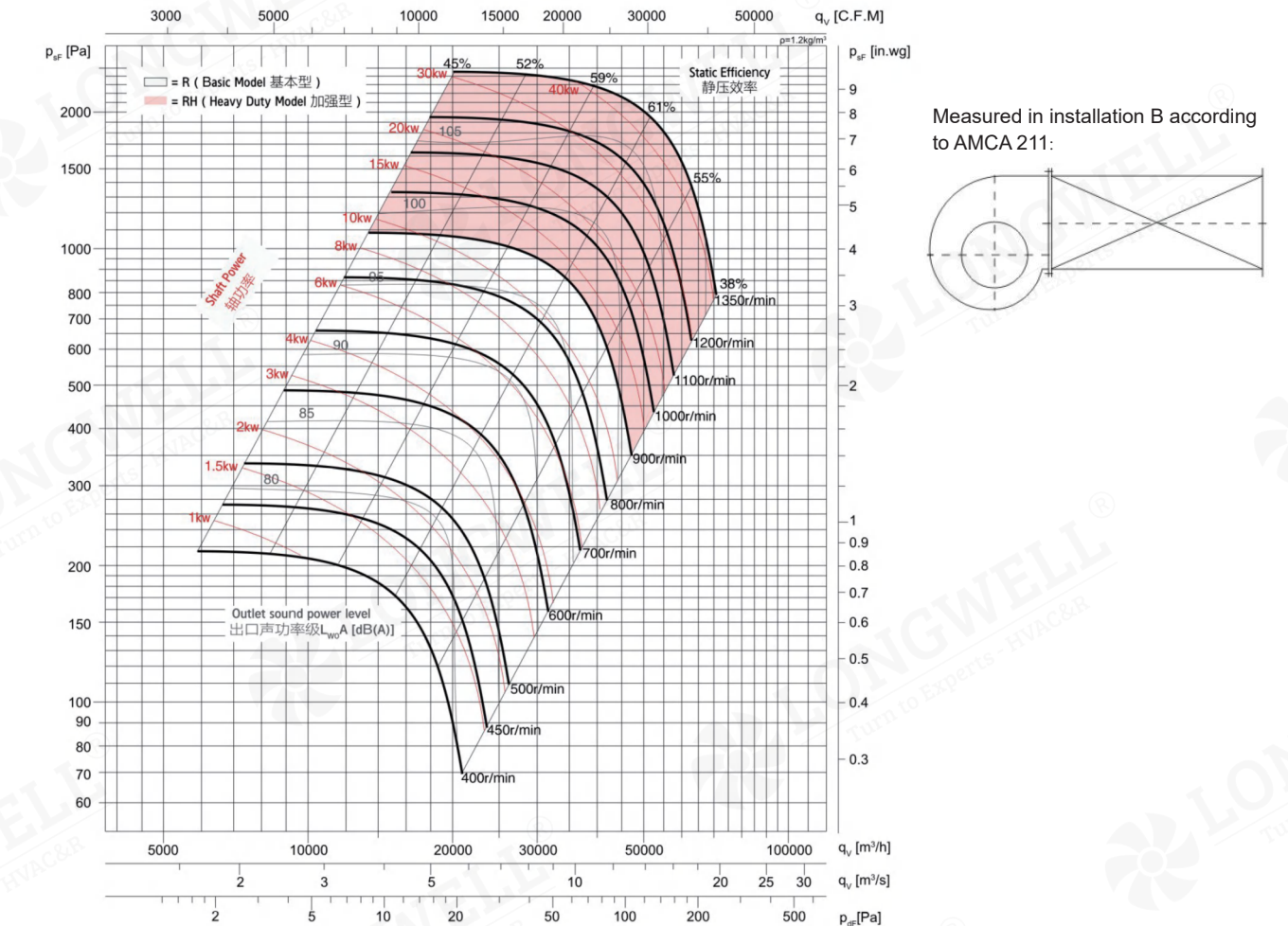
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-51	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32	dB(A)

Relative A sound power level for outlet side $L_{W0}(A)$
at octave centre frequencies

Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-26	-10	-9	-5	-4	-10	-16	-25	dB(A)
52%	-25	-11	-9	-5	-5	-10	-16	-25	dB(A)
59%	-25	-13	-8	-5	-5	-9	-15	-24	dB(A)
61%	-26	-20	-10	-6	-5	-6	-11	-21	dB(A)
55%	-28	-21	-12	-7	-5	-5	-10	-21	dB(A)
38%	-31	-21	-12	-8	-6	-4	-11	-22	dB(A)

Performance Curves

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



Wheel Diameter	Moment of Inertia	Speed Limit	Fan Weight
1000mm	11.94kg·m²	1350r/min	510kg

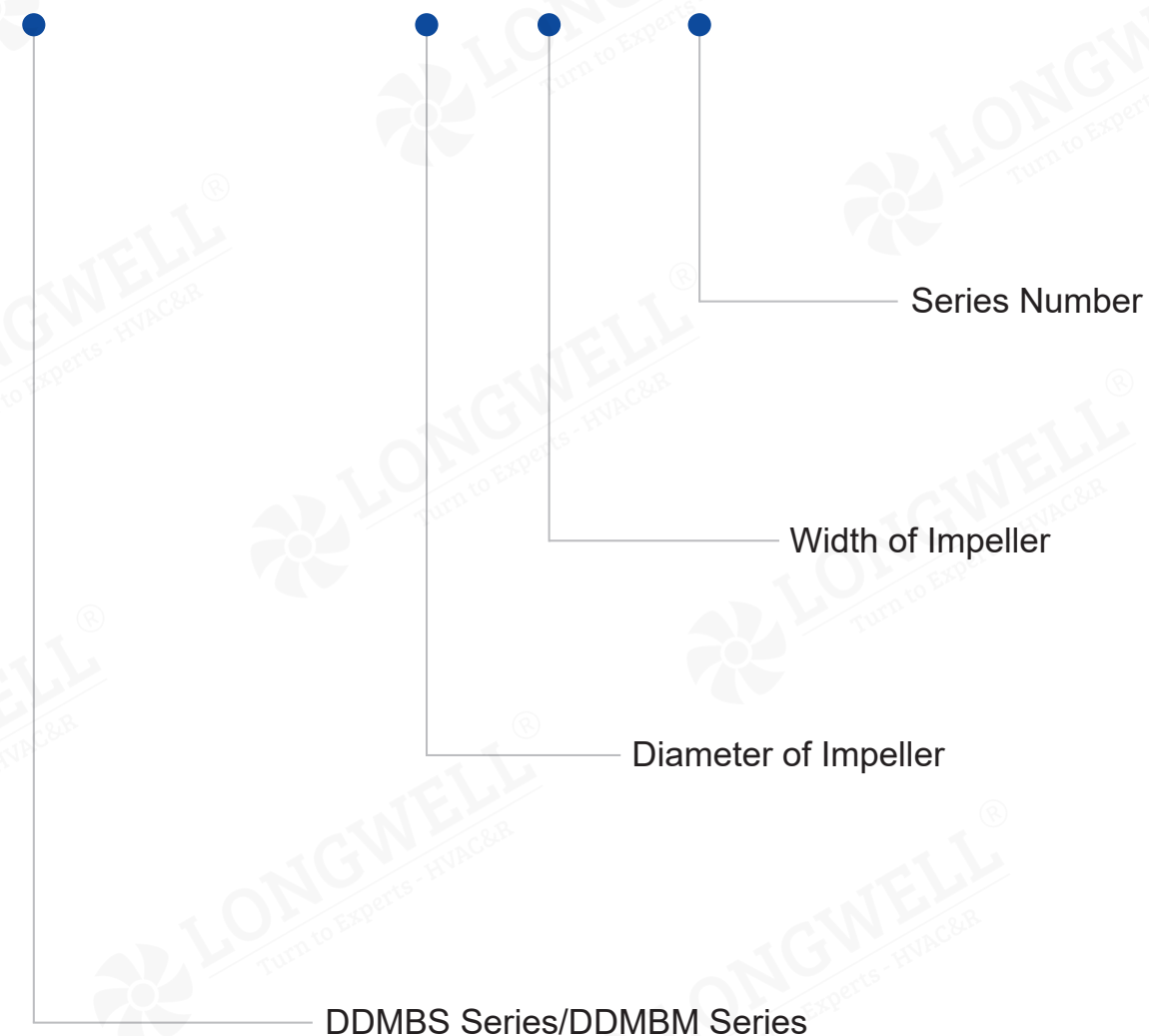
DDMBS/DDMBM Series Box-type Fan

Professional HVAC Fan & Motors Manufacturer



Type Code

DDMBS/DDMBM 8 - 8 - 001



The DDMBS/DDMBM Series Box-type Fan

1.Summary

The DDMBS series duct fan is built-in double inlet forward curve centrifugal fans. The fan is driven by YDW series external rotor motor. The DDMBS Series includes 9 models as described in this catalogue. The air volume and total pressure range from 1000m³/h to 20000m³/h and 200Pa to 600Pa. Customers can request a different site on the noise, can be used with YGBS-type silencer box to meet the requirements of low noise. Pipe fan of the series special motors can be configured through the three-phase voltage regulator, SCR voltage regulator, inverter and other means of speed, changing to meet system load requirements.

2.Construction of Product

DDMBS/DDMBM series fans consist of housing, impeller, motor, inlet outlet flanges and electrical connection.

(1) Housing

DDMBS duct fan series is made of galvanized steel square pipe type, the pipe end and the air inlet side has a 20mm standard flange.

DDMBM series fan aluminum tenon joint structure design, together with three high-quality silencer cotton board, effective at 15dB acoustic noise around.

(2) Impeller

Forward curved impellers are made of galvanized steel sheet. The impeller is constructed with maximum strength that endures the continuous operation with maximum power. All winds are balanced to G2.5 in according to the ANSI/AMCA 204-05 standard.

(3) Motor

The motor is designed for double blower fan with outer-rotor structure. The characteristic is compact structure, short axial size, low noise, it can adjust speed as well as change voltage, It is ideal motors for fan, dust cleaner. Protection class: IP44 or IP 55. Insulation class: B or F.

(4) Flange

The inlet outlet flanges are made of galvanized steel sheet. and using TOX or spot-welding process. This give the good appearance, of flanges and also make the flanges more strength and rigidity.

DDMBM have a flexible connections between fan outlet and flange. DDMBS is a hard connection through the fan outlet and flange.

(5) Electrical Connection

DDMBS/DDMBM series fan motor with a cable, and protection to IP54 junction box connected to an external, removable terminal block.

3.Noise Levels

The figures quoted in the performance curves are the "A" decibel figures which are the sound power levels L_{WOA} at the outlet side in duct systems.

The "A" sound power level at the inlet side L_{WiA} , according to GB/T 2888-2008 part 38, can be calculated via the relative sound power levels or is obtained approximately as follows:

$$L_{WiA} \approx L_{WOA} - 6 \text{ dB}$$

The "A" sound power level L_{WA2} , from the casing according to GB/T 2888-2008 can be calculated via the relative sound power levels or is obtained approximately as follows:

$$L_{WA2} \approx L_{WOA} - 17 \text{ dB, for YGB}$$

$$L_{WA2} \approx L_{WOA} - 25 \text{ dB, for YGBS}$$

The "A" sound pressure level L_{PA} at a distance of 1 meter is obtained approximately by deducting 7 dB(A) from the "A" sound power level:

$$L_{PA(1m)} \approx L_{WA2} - 7 \text{ dB}$$

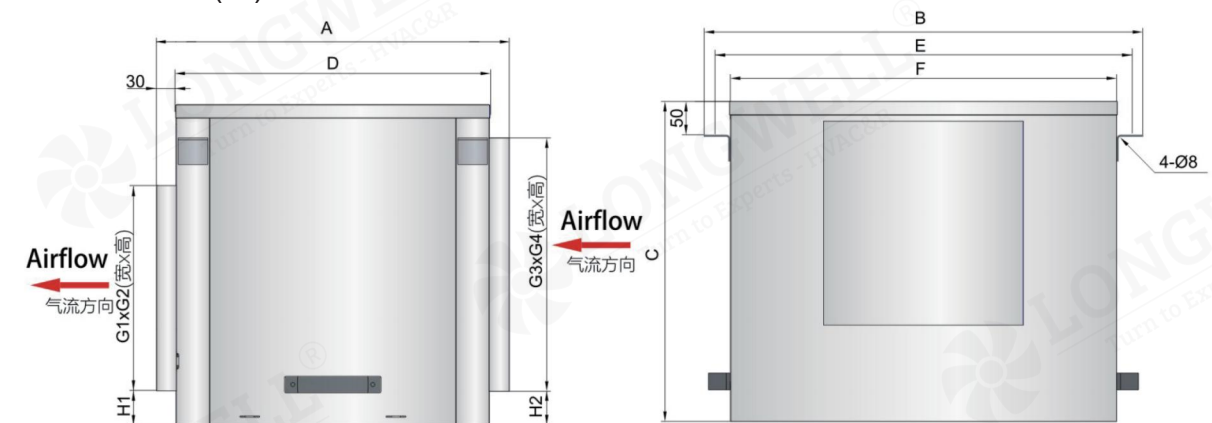
Note that the reflection, room characteristic and natural frequencies will influence the sound pressure levels. To avoid rigid conduction transfer to the duct system, we recommend to use the flexible duct connection.

4.Instructions

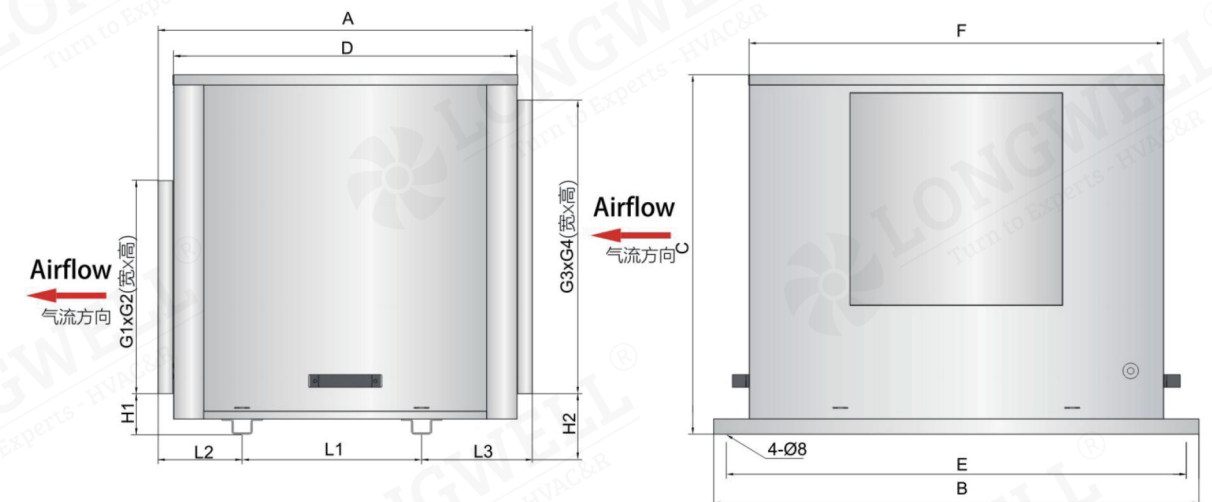
- 1) The motor power is calculated from the Bhp plus the safety factor, so to avoid the motor burn and damage, the fan shall not operate at type A condition. (i.e. free inlet, free outlet)
- 2)The fan performance in the catalog is tested under the rated motor speed, we can meet the actual requirement of the user by changing the motor speed.
- 3)During transportation, loading and unloading, all fans shall be handled carefully to avoid damaging. the fans shall store in a dry, clean and non-toxics area.
- 4)Before commissioning and operating, the impeller should be turned by hand to ensure that it turns freely without colliding with other parts of the fan.
- 5)When the duct is connecting to the inlet and the outlet of the fan, a flexible connector shall be used in between.
- 6)Check and clean the housing of the fan, to ensure than there is no sundry inside the housing.
- 7)Before operating, check the rotational direction of the, to ensure than the rotation direction is same as the label shown on the fan.

DDMBS Series Fan Overall Dimension

DDMBS 200-315(0°)



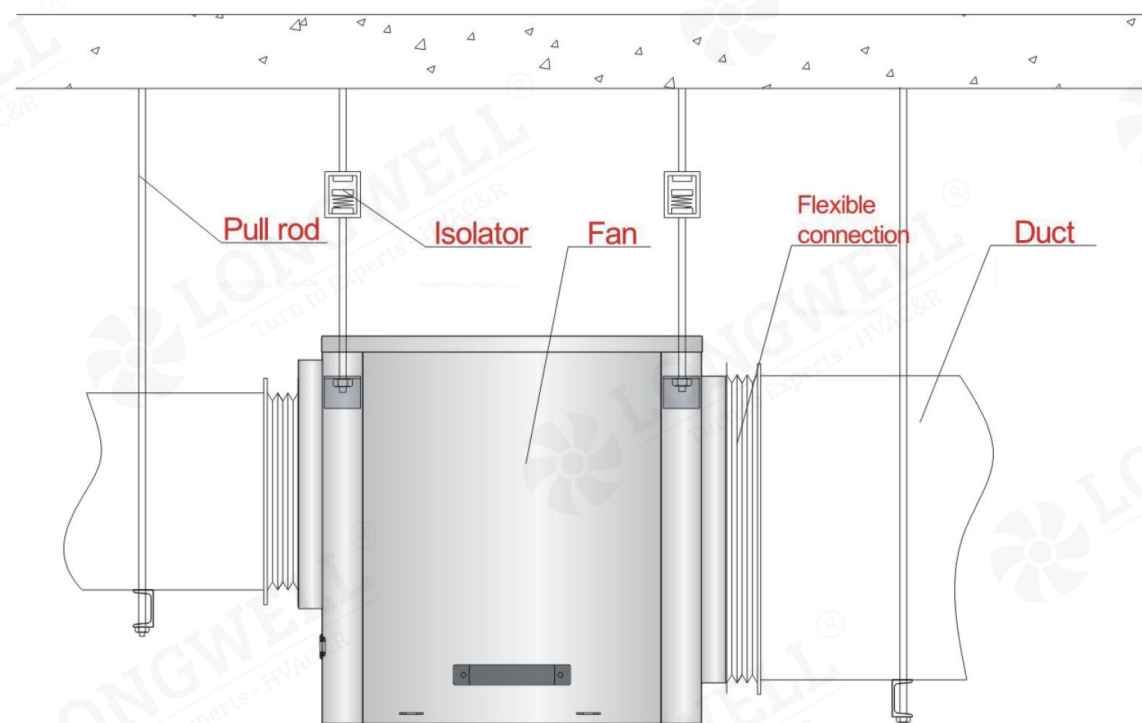
DDMBS 355-500(0°)



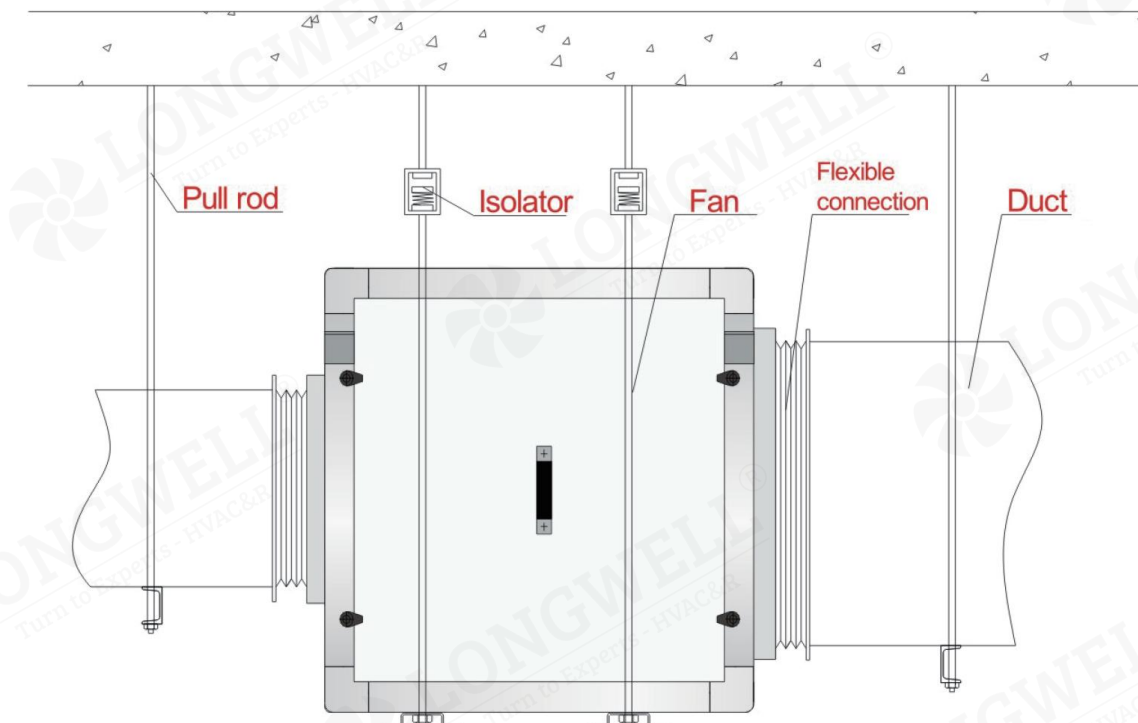
Unit:mm

Model	A	B	C	D	E	F	L1	L2	L3	H1	H2	G1	G2	G3	G4
DDMBS 8-8	440	493	360	360	462	430				37	47	227	221	340	270
DDMBS 9-9	480	553	400	400	522	490				38	45	260	248	400	310
DDMBS 10-10	520	613	450	440	582	550				34	45	283	275	460	360
DDMBS 11-11	550	663	480	470	620	580				34	50	302	307	480	380
DDMBS 12-12	640	783	540	560	740	700				36	50	340	340	560	440
DDMBS 14-14	700	930	640	620	830	730	315	156	209	33	80	377	377	630	510
DDMBS 16-16	760	1020	710	680	920	820	355	166	219	64	80	421	421	720	580
DDMBS 18-18	830	1120	780	750	1020	920	400	178	232	65	85	471	471	800	630
DDMBS 20-20	910	1200	860	830	1100	1000	450	186.5	253.5	64	85	508	508	880	710

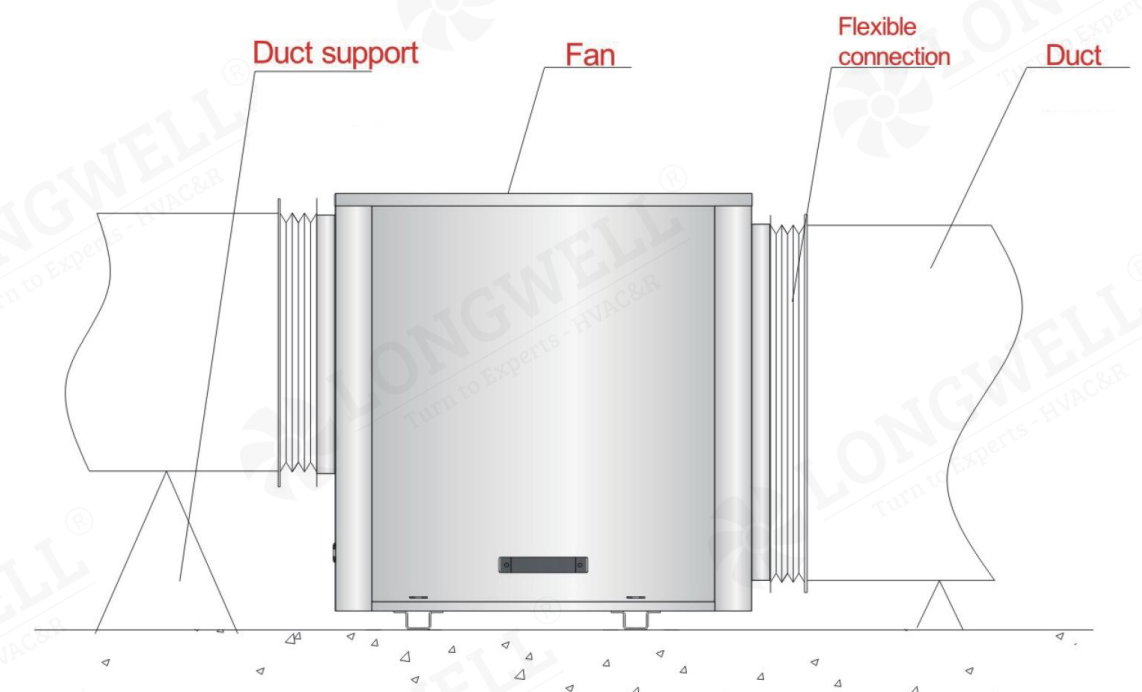
DDMBS Ceiling Installation Schematic Diagram



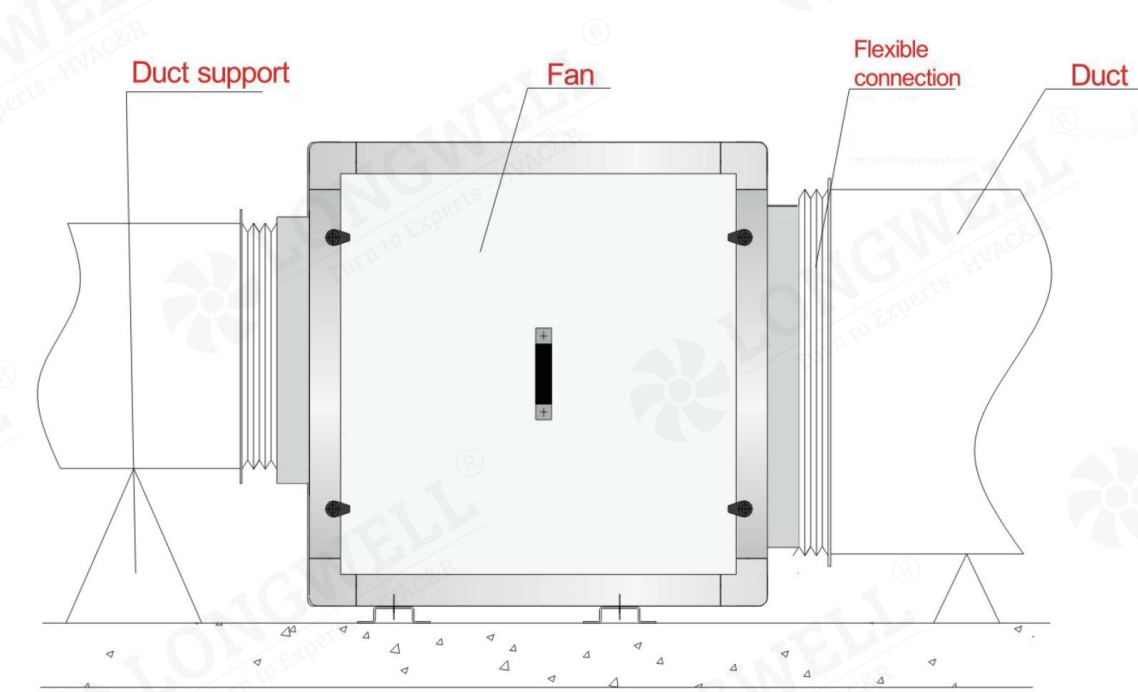
DDMBM Ceiling Installation Schematic Diagram



DDMBS Floor Installation Schematic Diagram

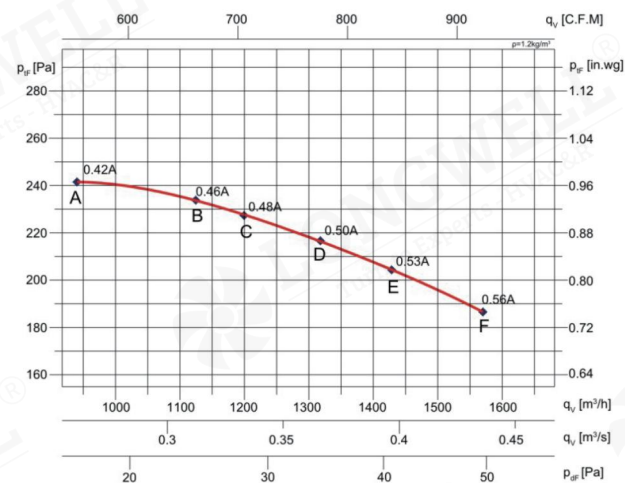


DDMBM Floor Installation Schematic Diagram



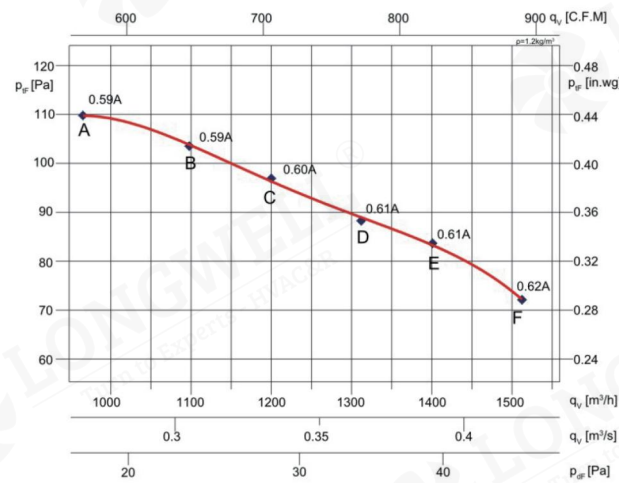
DDMBS/DDMBM 8-8 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 8-8-001	380	50	0.18kW-4P	0.56	15	IP54

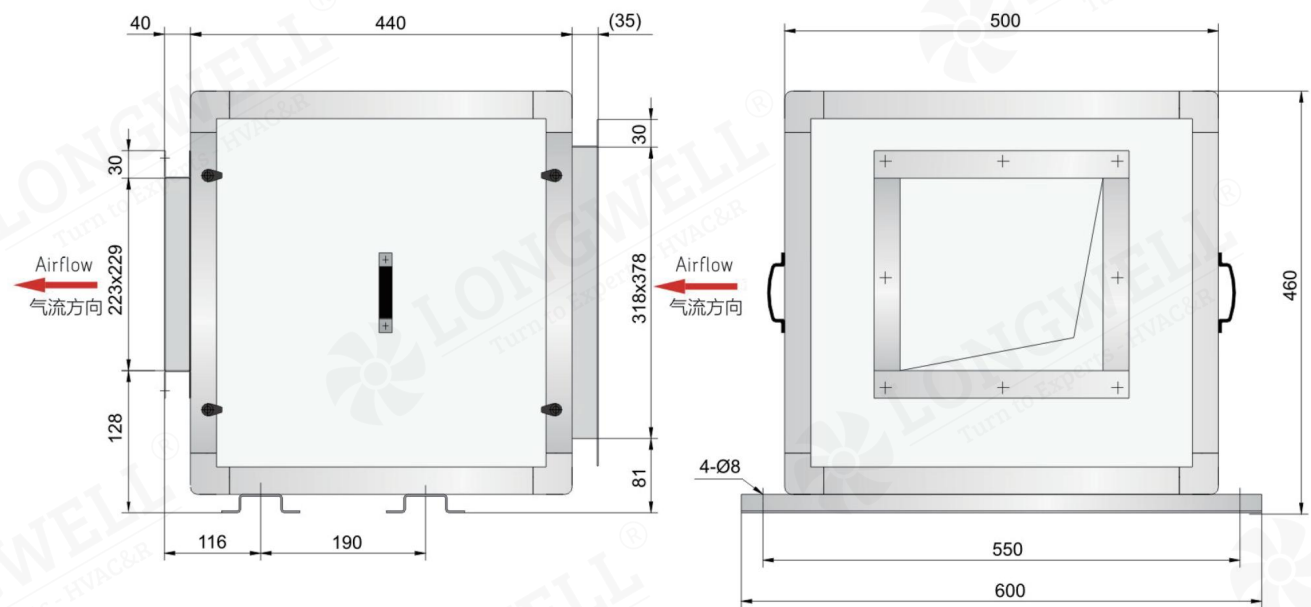
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	55.2	62.9	64.5	69.6	66.0	64.1	55.5	73.2
B	53.8	62.0	65.9	71.1	67.5	66.0	57.8	74.6
C	54.1	63.0	67.0	74.6	69.3	68.1	60.5	77.1
D	54.1	63.2	67.4	75.4	70.3	69.3	62.1	77.5
E	54.1	63.4	67.8	75.4	70.3	69.3	62.1	78.1
F	55.2	64.4	68.8	74.6	71.7	70.8	64.0	78.4



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 8-8-002	380	50	0.18kW-6P	0.79	15	IP54

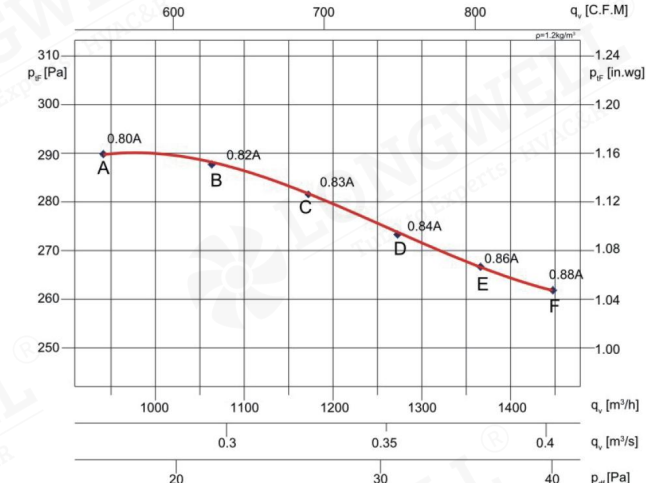
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	46.2	55.2	58.7	63.0	60.5	58.6	49.9	67.0
B	46.6	56.2	58.7	62.6	59.2	56.2	46.0	66.3
C	50.6	59.1	61.5	65.2	63.1	61.5	52.6	69.7
D	52.3	60.4	62.8	66.5	64.5	63.4	54.9	71.1
E	52.8	62.4	64.8	69.1	67.2	66.1	58.5	73.6
F	54.4	63.3	65.9	70.4	68.5	67.6	60.2	74.9

Overall Size



DDMBS/DDMBM 8-8 Box-type Fan

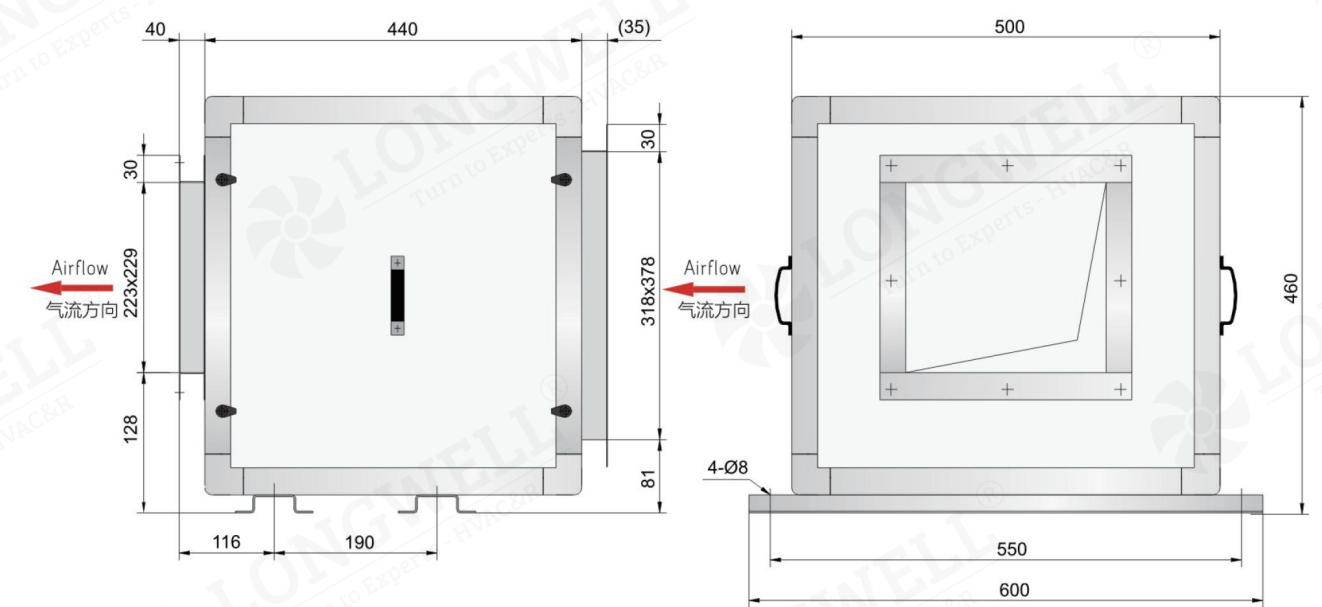
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 8-8-003	380	50	0.25KW-4P	0.88	15	IP54

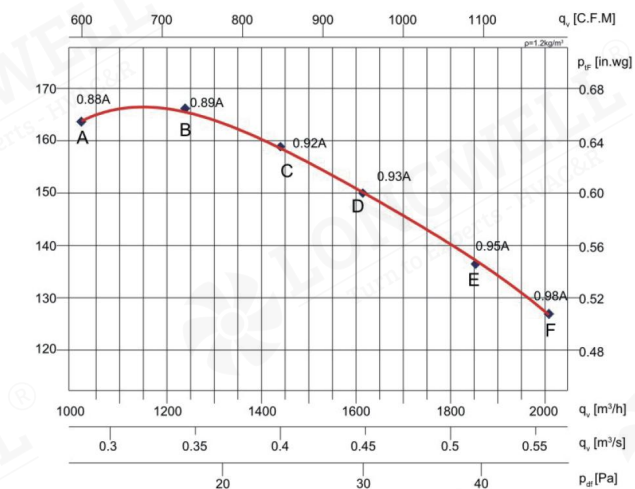
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	53.6	62.9	63.3	68.4	64.7	62.8	64.6	72.1
B	53.5	62.1	64.0	69.1	65.5	63.7	58.7	72.8
C	53.3	61.6	64.7	69.9	66.3	64.6	57.3	73.4
D	54.0	62.0	65.4	70.6	67.1	65.5	56.2	74.1
E	54.7	62.4	66.0	72.4	67.9	66.6	55.0	75.4
F	55.4	62.8	67.4	75.0	69.9	68.8	53.9	77.6

Overall Size



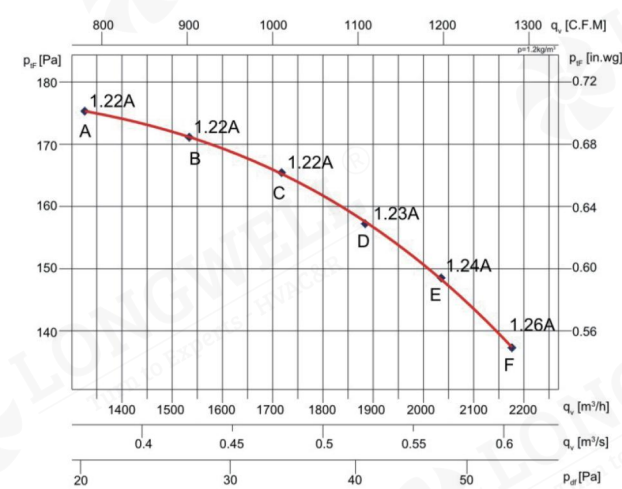
DDMBS/DDMBM 9-9 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 9-9-001	380	50	0.25KW-6P	1.04	17.6	IP54

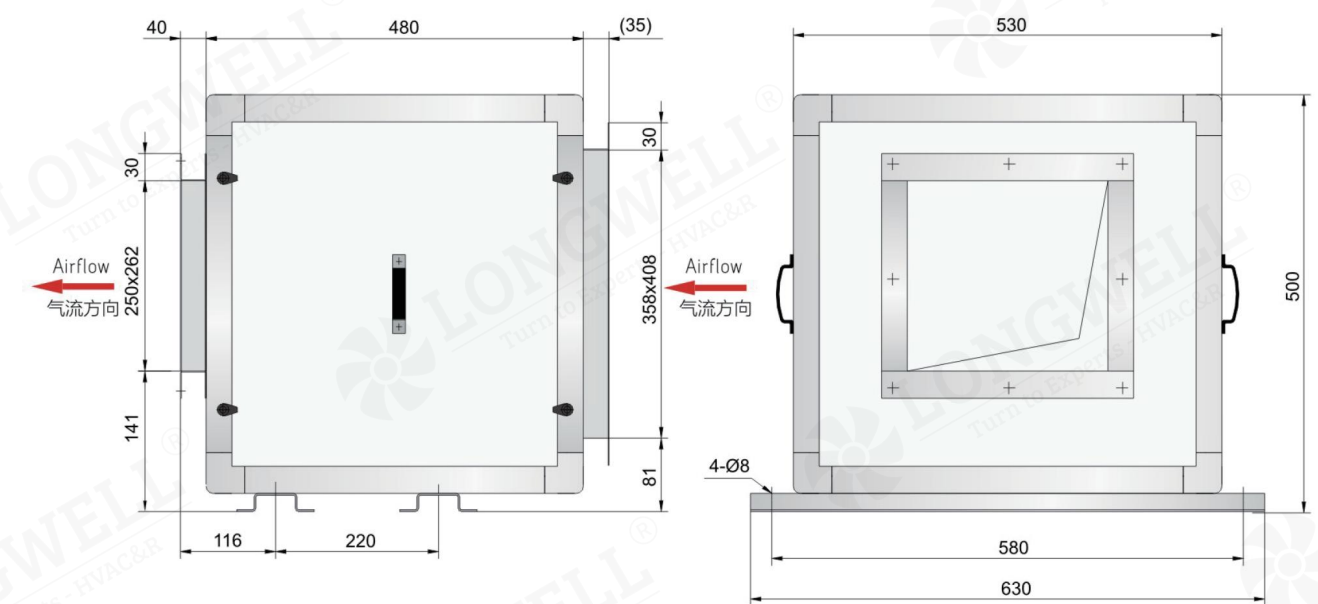
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	51.4	60.0	61.2	64.9	60.5	58.8	59.6	69.2
B	52.5	61.6	63.2	66.7	62.4	60.1	59.6	70.8
C	52.1	62.9	65.5	68.4	64.8	69.0	59.7	73.9
D	53.5	64.9	67.5	70.1	67.0	65.7	60.5	74.6
E	55.1	66.6	70.2	73.6	69.5	68.6	62.2	77.1
F	56.8	67.9	71.9	74.2	71.2	70.5	63.7	78.8



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 9-9-002	380	50	0.32KW-6P	1.29	18.9	IP54

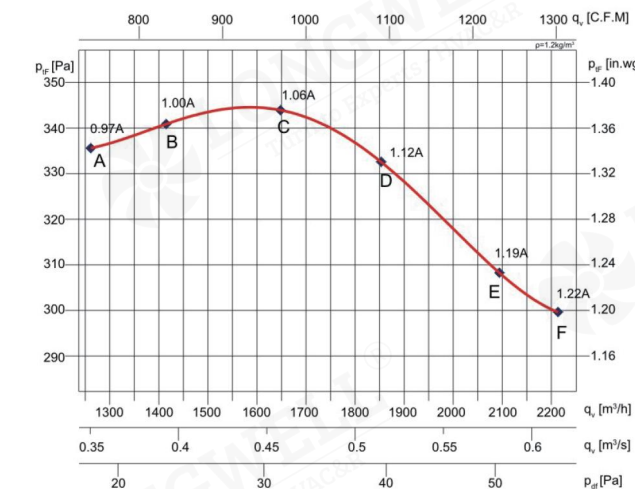
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	52.1	61.2	62.8	66.4	62.1	59.7	59.3	70.5
B	51.8	62.5	65.2	68.1	64.4	68.7	59.4	73.6
C	53.1	64.6	67.1	69.7	66.6	65.3	60.2	74.2
D	54.8	66.3	69.9	72.2	69.1	68.2	61.8	76.7
E	56.4	67.6	71.6	73.8	70.9	70.2	63.3	78.4
F	57.6	68.8	73.7	75.9	73.3	72.6	65.6	80.6

Overall Size



DDMBS/DDMBM 9-9 Box-type Fan

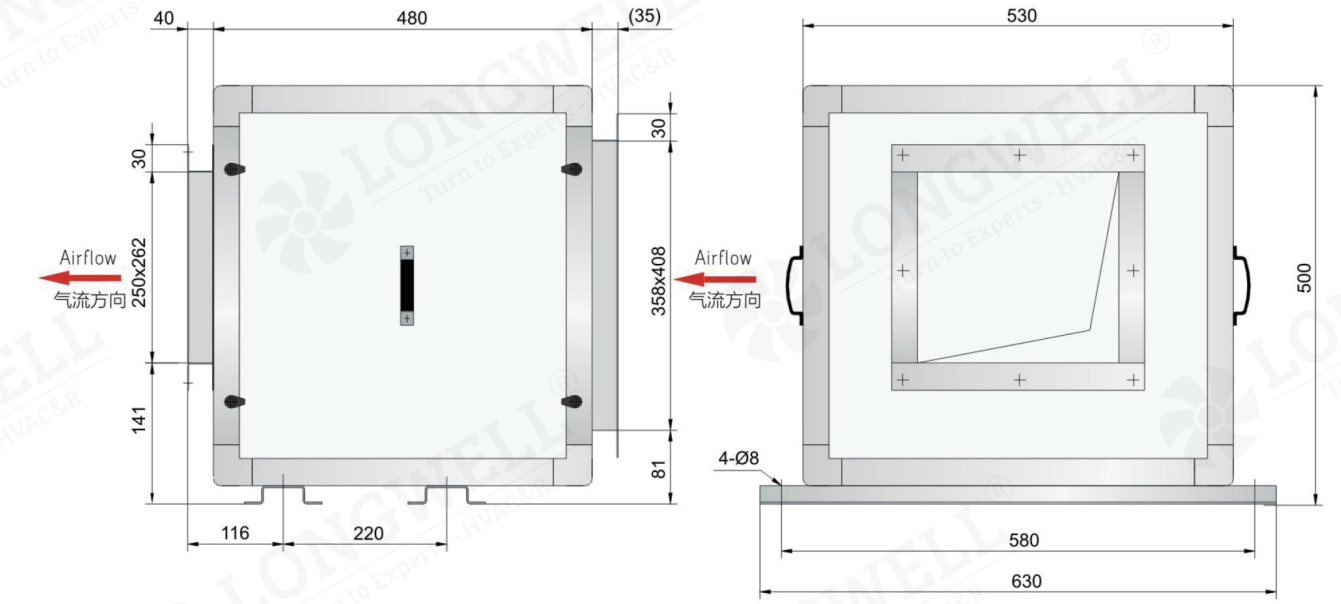
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 9-9-003	380	50	0.37KW-4P	1.21	17.9	IP54

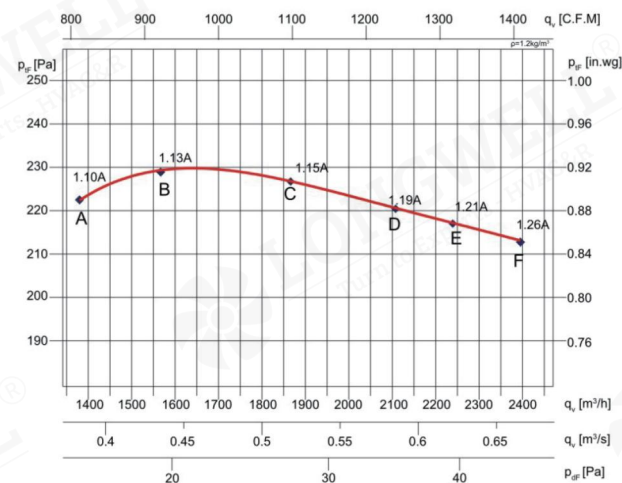
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	58.3	68.3	68.4	70.9	68.9	67.0	60.3	76.1
B	56.8	67.5	68.6	71.3	69.7	67.8	60.9	76.4
C	56.6	68.4	70.1	73.1	71.1	69.6	61.9	77.9
D	56.9	69.6	71.8	74.8	72.5	71.3	63.5	79.4
E	57.7	70.4	73.9	76.5	74.2	73.5	65.6	81.3
F	58.3	70.7	74.8	77.4	75.0	74.4	66.9	82.1

Overall Size



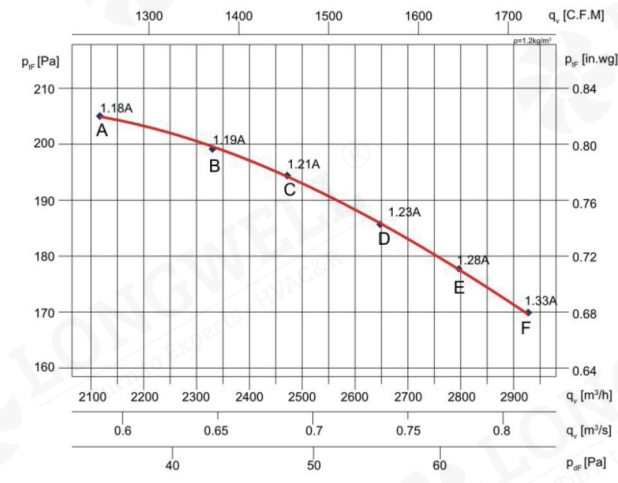
DDMBS/DDMBM 10-10 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 10-10-001 380	380	50	0.32KW-6P	1.29	20.4	IP54

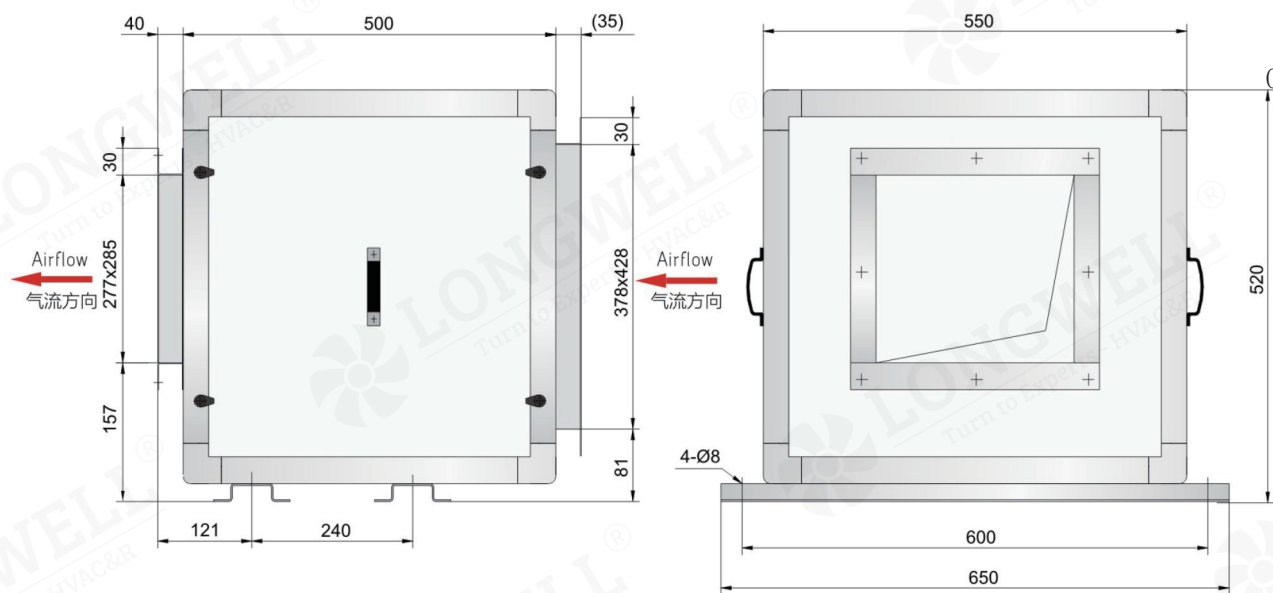
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	56.5	62.9	64.1	69.1	63.8	60.9	50.0	72.3
B	54.2	62.7	65.2	69.7	65.7	63.7	53.2	73.3
C	55.2	63.2	65.9	70.3	66.9	65.3	55.5	74.1
D	55.9	63.9	66.7	71.5	67.7	66.3	57.1	75.1
E	57.5	65.1	67.9	72.5	69.6	68.4	60.2	76.5
F	57.4	65.4	68.7	73.4	70.5	69.5	61.6	77.4



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 10-10-002 380	380	50	0.37KW-6P	1.37	20.4	IP54

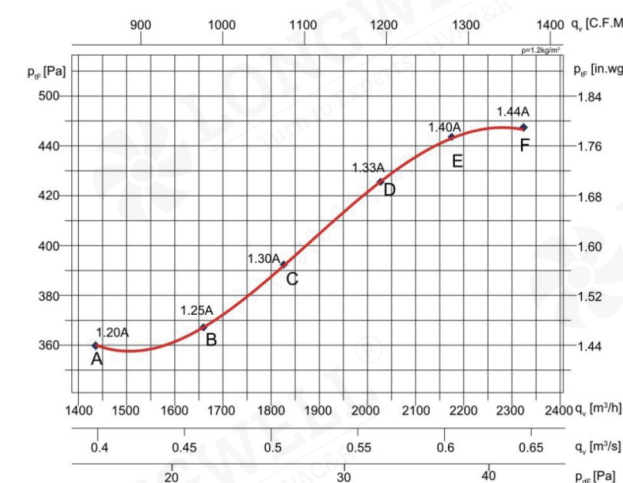
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	55.3	63.1	66.0	70.2	67.0	65.2	55.7	74.1
B	56.0	63.8	66.8	71.4	67.8	66.2	57.2	75.1
C	57.6	65.0	68.0	72.4	69.7	68.3	60.3	76.5
D	57.5	65.3	68.8	73.3	70.6	69.4	61.7	77.4
E	57.6	66.0	69.7	74.6	71.6	70.7	63.4	78.5
F	58.2	66.7	70.8	75.4	72.8	71.9	64.8	79.5

Overall Size



DDMBS/DDMBM 10-10 Box-type Fan

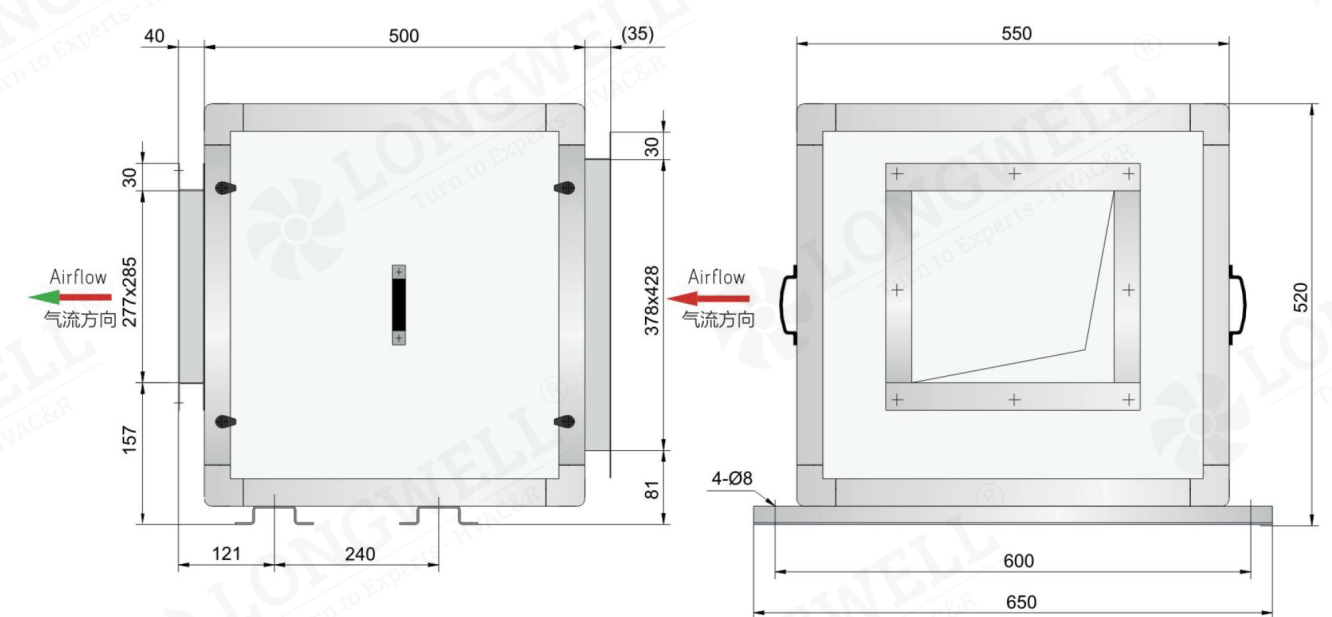
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 10-10-003 380	380	50	0.45KW-4P	1.42	20.35	IP54

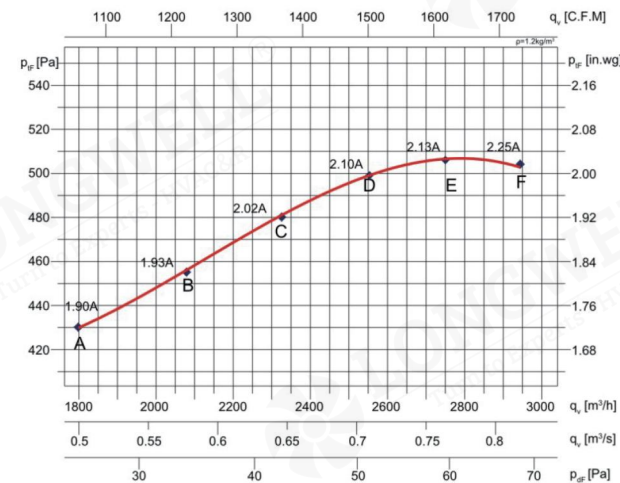
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	60.3	69.1	71.4	76.3	73.9	72.9	65.6	80.5
B	54.9	68.9	71.2	75.3	73.8	72.6	65.2	80.0
C	60.7	69.1	70.6	74.8	72.8	71.7	64.0	79.4
D	61.3	69.3	70.6	74.2	72.5	71.4	63.6	79.1
E	63.3	70.1	70.6	73.9	72.1	70.9	63.0	79.0
F	64.2	70.5	70.7	73.5	71.6	70.1	62.0	78.7

Overall Size



DDMBS/DDMBM 10-10 Box-type Fan

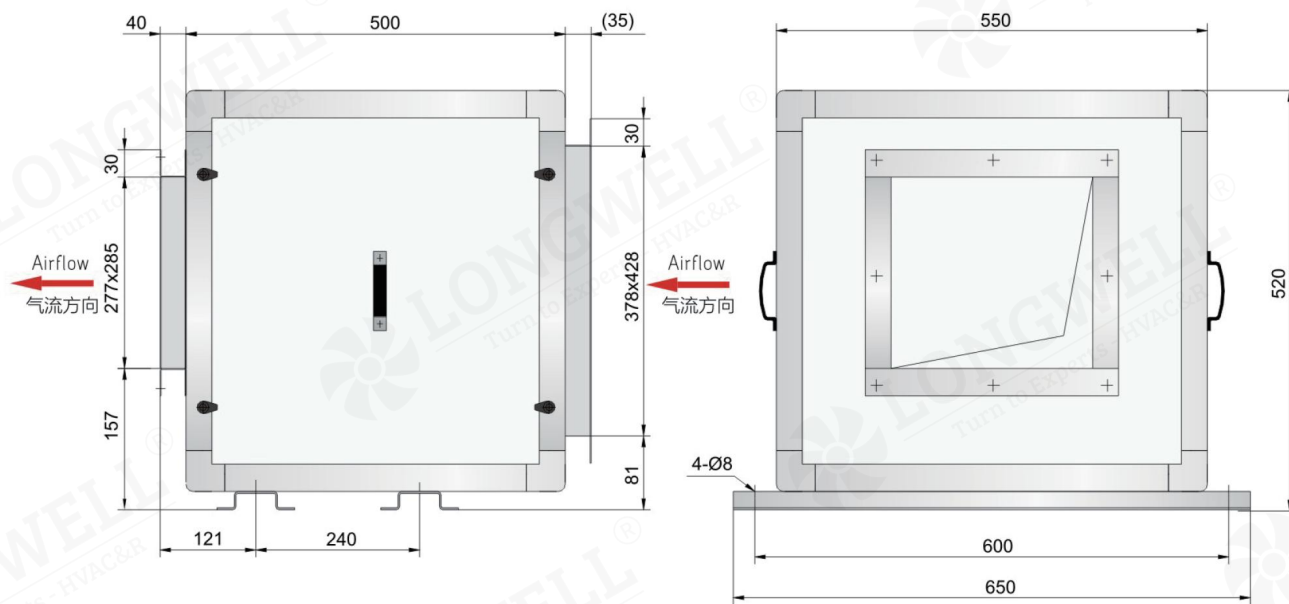
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 10-10-005 380	380	50	0.8KW-4P	2.31	23.65	IP54

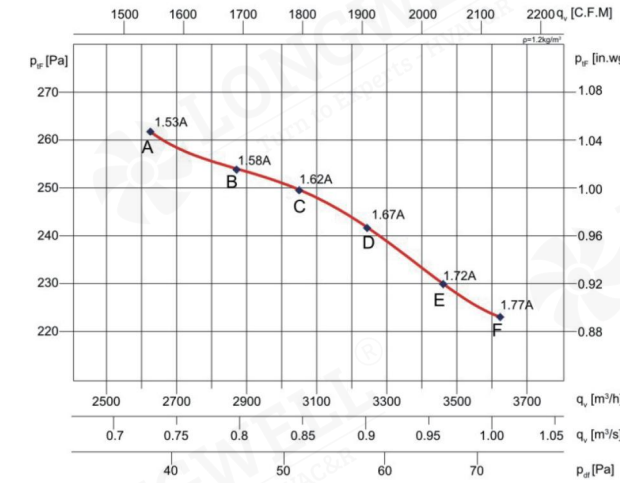
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	55.1	69.0	71.1	75.5	73.9	72.9	65.4	80.2
B	60.8	69.0	70.8	75.1	73.3	72.2	64.6	79.7
C	60.9	69.3	70.6	75.0	72.9	71.9	64.2	79.6
D	61.5	69.5	70.5	74.4	72.7	71.6	63.8	79.3
E	64.2	70.5	70.7	74.0	72.1	70.8	62.7	79.1
F	64.4	70.7	70.7	73.7	71.8	70.4	62.2	78.9

Overall Size



DDMBS/DDMBM 11-11 Box-type Fan

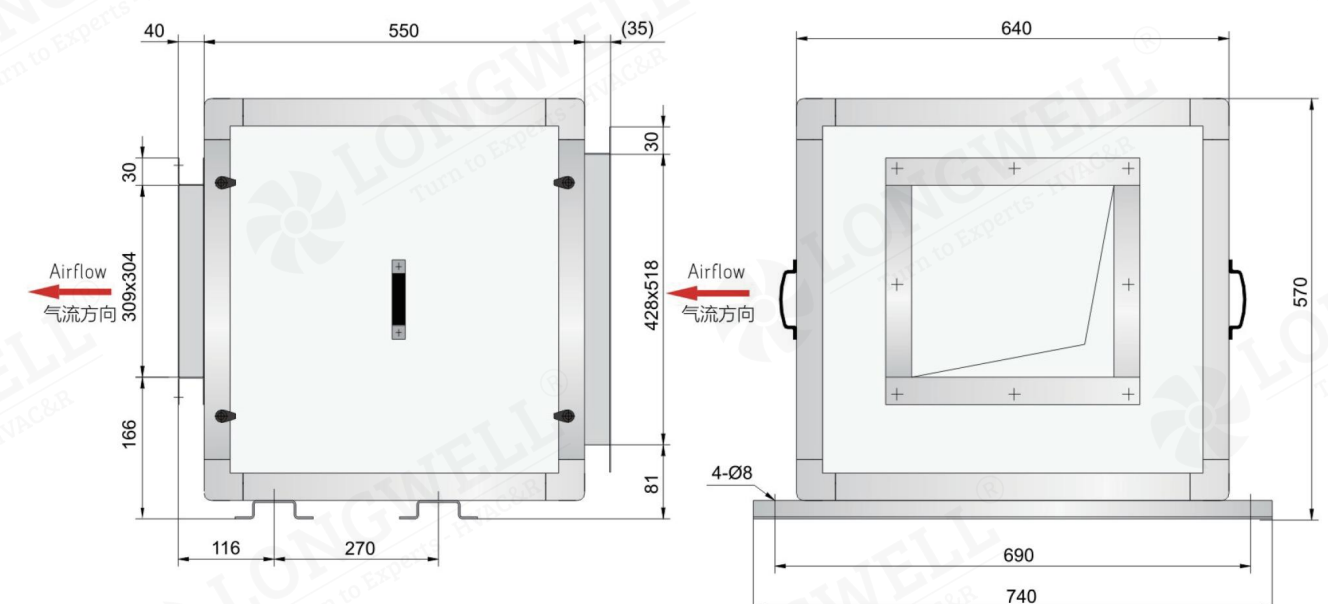
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 11-11-001 380	380	50	0.55KW-6P	1.83	24	IP54

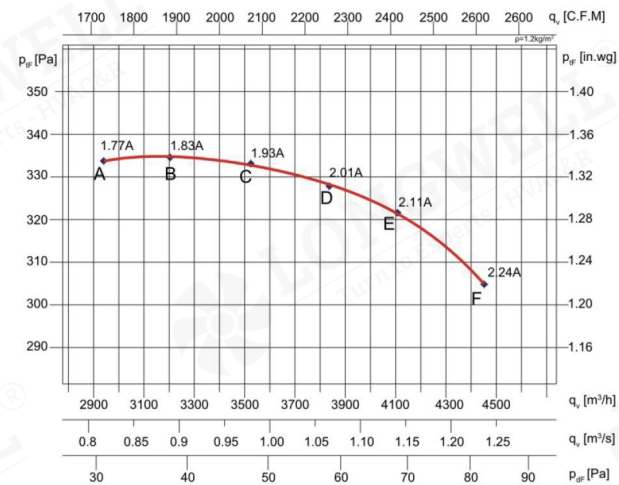
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	56.6	63.8	66.5	69.9	65.1	64.3	60.8	73.8
B	56.2	64.5	67.7	71.5	67.2	66.5	62.1	75.4
C	58.0	64.8	68.6	72.8	68.4	67.9	62.4	76.5
D	58.8	66.4	70.7	74.6	71.0	70.7	64.5	78.6
E	59.6	67.1	71.7	75.8	72.3	72.0	65.6	79.6
F	59.6	68.0	72.9	76.8	73.7	73.3	66.8	80.9

Overall Size



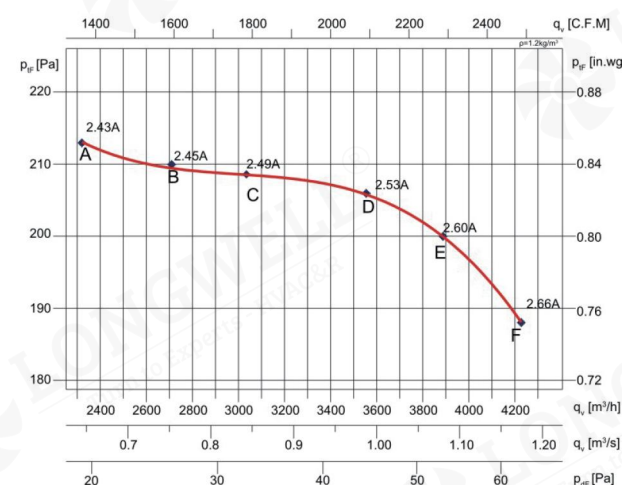
DDMBS/DDMBM 12-12 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 12-12-001 380	380	50	0.8KW-6P	2.35	42.2	IP54

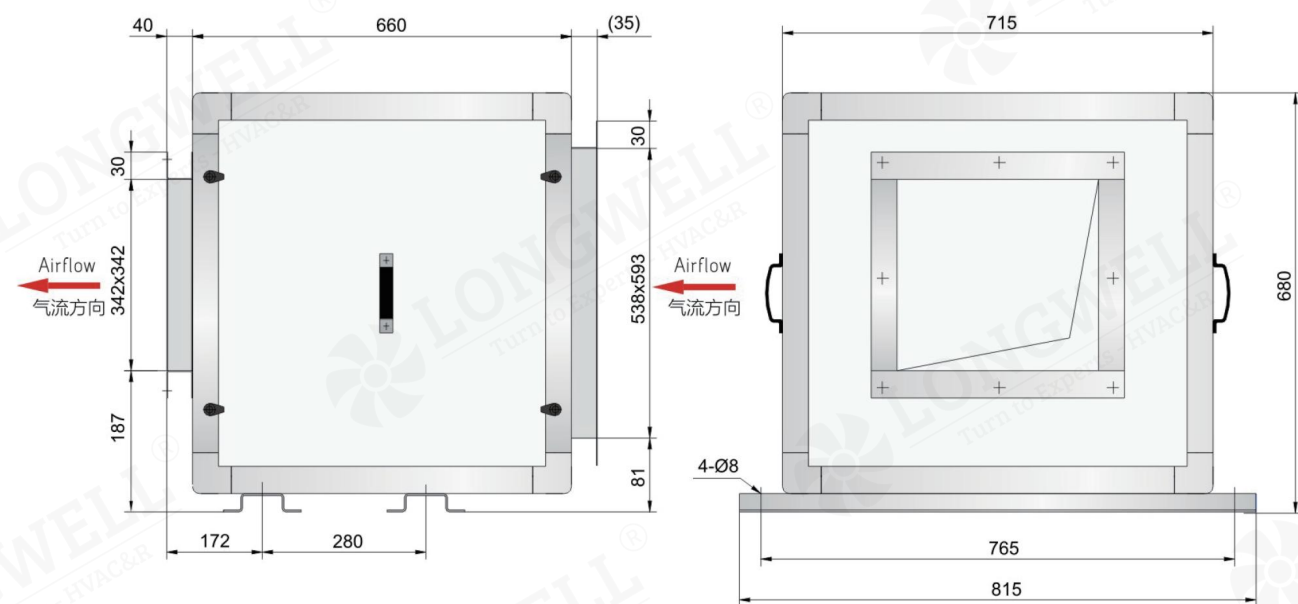
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	61.3	67.5	68.6	68.7	66.1	65.3	61.2	74.9
B	60.7	68.8	71.1	70.7	68.1	67.4	61.8	76.7
C	60.2	69.1	72.2	72.0	69.4	68.8	62.5	77.7
D	61.1	70.0	72.7	73.1	70.7	70.1	63.2	78.7
E	60.5	71.0	74.0	74.4	72.2	71.7	64.3	80.0
F	60.1	72.1	75.5	75.9	73.7	73.2	65.6	81.4



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 12-12-002 380	380	50	0.8KW-8P	2.69	43.8	IP54

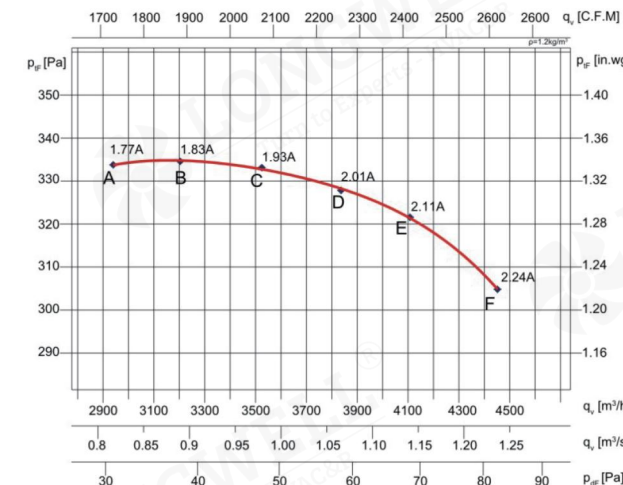
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	54.9	59.3	63.9	70.0	57.1	56.7	59.7	71.9
B	54.8	59.3	63.0	72.1	58.6	57.1	59.5	73.3
C	54.7	59.7	63.7	70.0	59.5	57.9	59.5	72.0
D	54.4	60.8	64.5	71.2	61.3	59.5	59.8	73.1
E	55.1	62.2	65.7	70.3	62.9	61.2	59.6	73.1
F	56.1	64.9	67.3	71.9	65.7	64.2	59.9	75.0

Overall Size



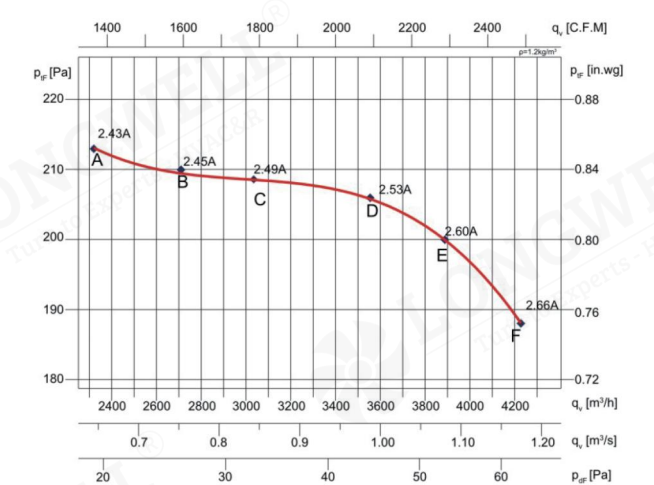
DDMBS/DDMBM 12-12 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 12-12-003 380	380	50	0.8KW-6P	2.35	42.2	IP54

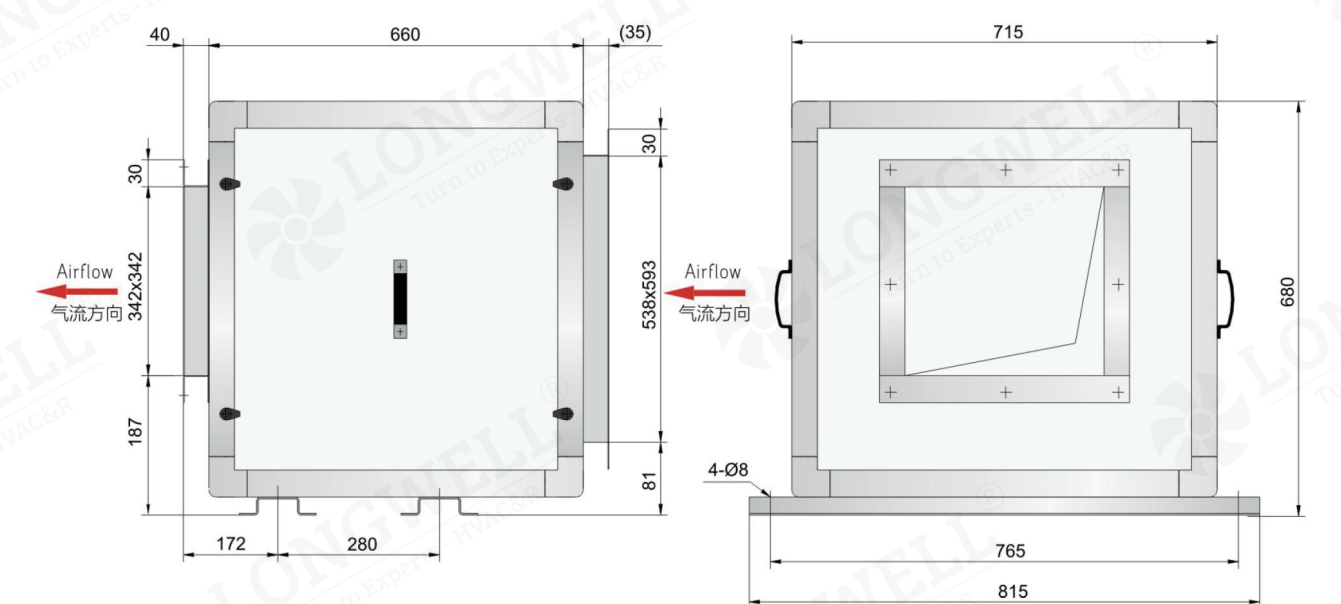
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	61.3	67.5	68.6	68.7	66.1	65.3	61.2	74.9
B	60.7	68.8	71.1	70.7	68.1	67.4	61.8	76.7
C	60.2	69.1	72.2	72.0	69.4	68.8	62.5	77.7
D	61.1	70.0	72.7	73.1	70.7	70.1	63.2	78.7
E	60.5	71.0	74.0	74.4	72.2	71.7	64.3	80.0
F	60.1	72.1	75.5	75.9	73.7	73.2	65.6	81.4



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 12-12-004 380	380	50	0.8KW-8P	2.69	43.8	IP54

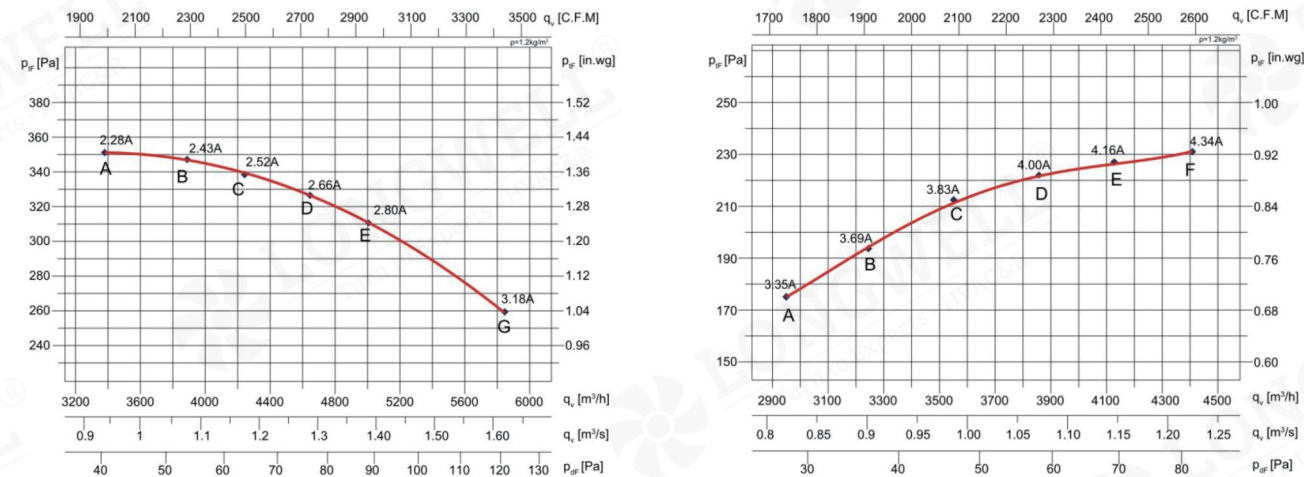
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	54.9	59.3	63.9	70.0	57.1	56.7	59.7	71.9
B	54.8	59.3	63.0	72.1	58.6	57.1	59.5	73.3
C	54.7	59.7	63.7	70.0	59.5	57.9	59.5	72.0
D	54.4	60.8	64.5	71.2	61.3	59.5	59.8	73.1
E	55.1	62.2	65.7	70.3	62.9	61.2	59.6	73.1
F	56.1	64.9	67.3	71.9	65.7	64.2	59.9	75.0

Overall Size



DDMBS/DDMBM 12-12 Box-type Fan

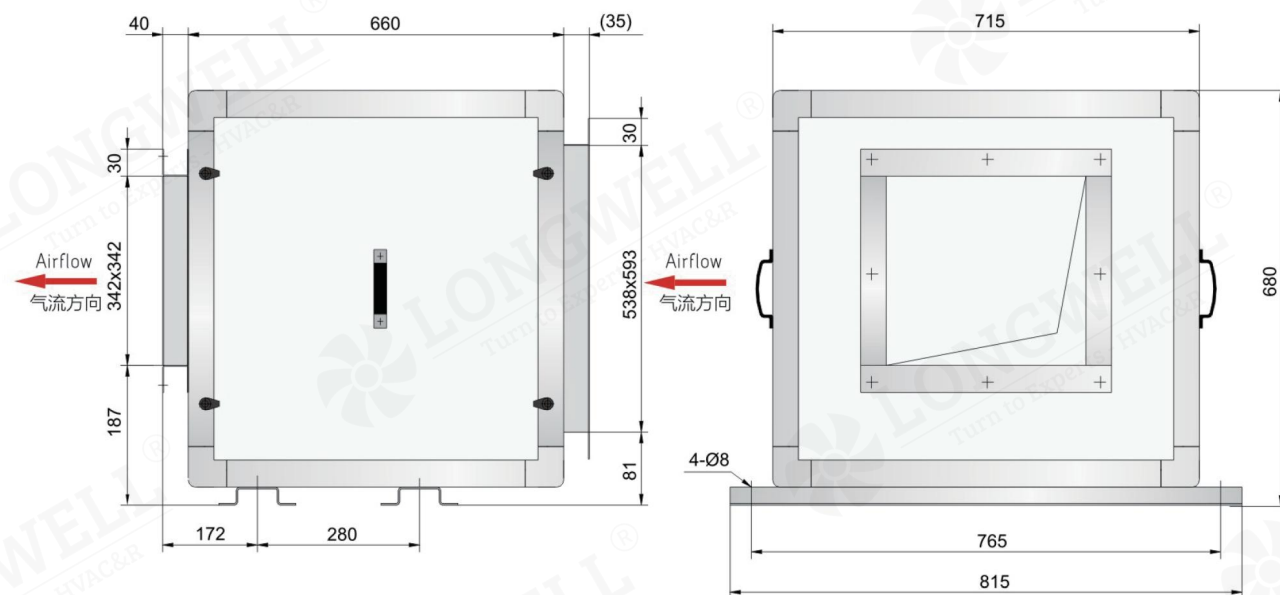
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 12-12-005380	380	50	1.1KW-6P	3.3	43.8	IP54

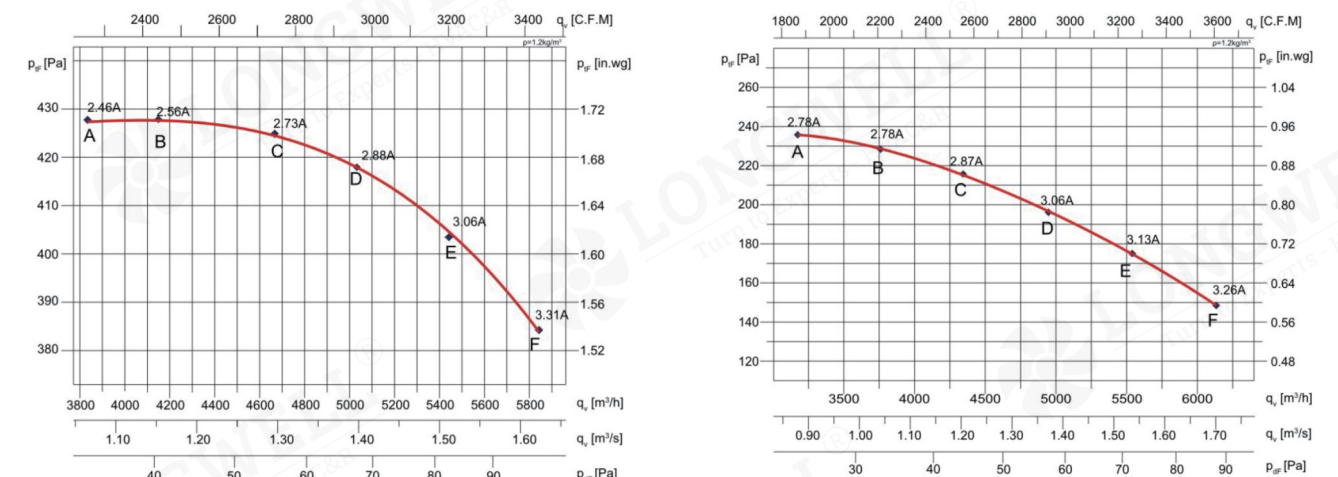
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀₀ dB(A)
A	59.3	60.5	60.5	63.0	61.0	59.9	53.2	68.8
B	58.4	60.2	59.8	63.5	60.6	60.0	53.4	68.6
C	54.2	59.4	58.8	63.4	60.0	59.7	53.3	68.0
D	52.5	59.2	59.1	63.4	60.6	60.4	54.0	68.1
E	52.5	58.7	59.5	64.3	61.3	60.9	54.8	68.7
F	51.2	58.9	60.0	64.7	61.6	61.4	55.5	69.0

Overall Size



DDMBS/DDMBM 14-14 Box-type Fan

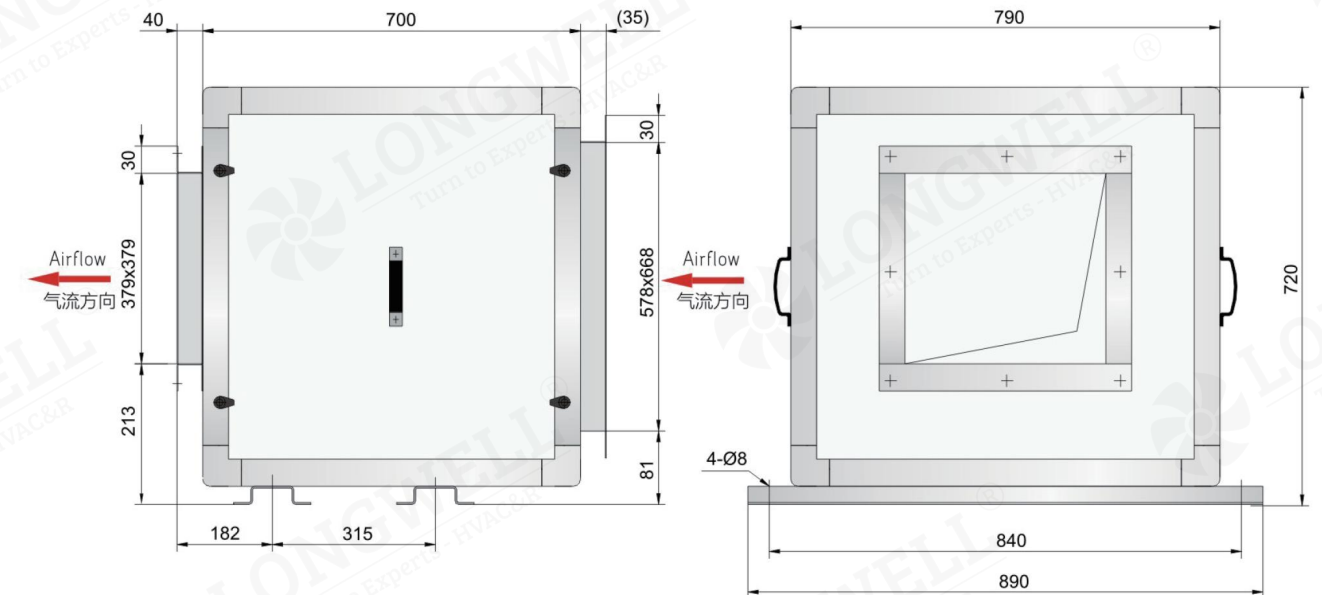
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 14-14-001380	380	50	1.1KW-6P	3.3	46.8	IP54

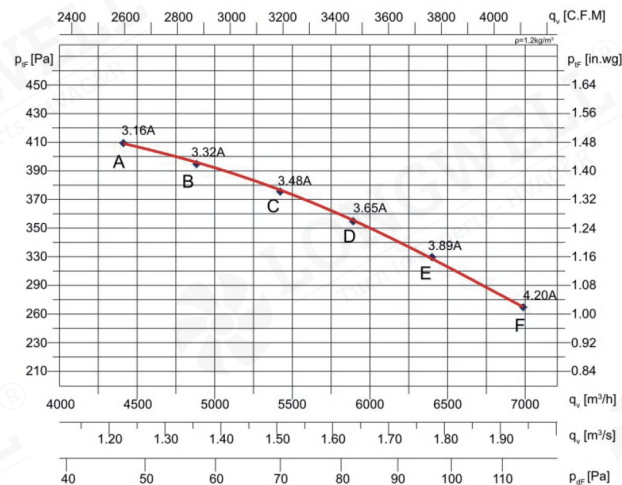
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀₀ dB(A)
A	63.9	66.7	71.8	75.2	71.7	71.1	64.6	79.4
B	64.8	67.3	72.9	76.9	73.5	72.7	65.7	80.9
C	64.4	67.9	74.0	78.2	75.2	74.1	67.0	82.2
D	65.5	69.0	75.5	79.7	77.0	75.8	68.7	83.7
E	65.9	69.9	76.4	81.1	78.6	77.2	70.1	85.1
F	68.7	71.1	77.4	82.4	80.2	78.8	71.7	86.5

Overall Size



DDMBS/DDMBM 14-14 Box-type Fan

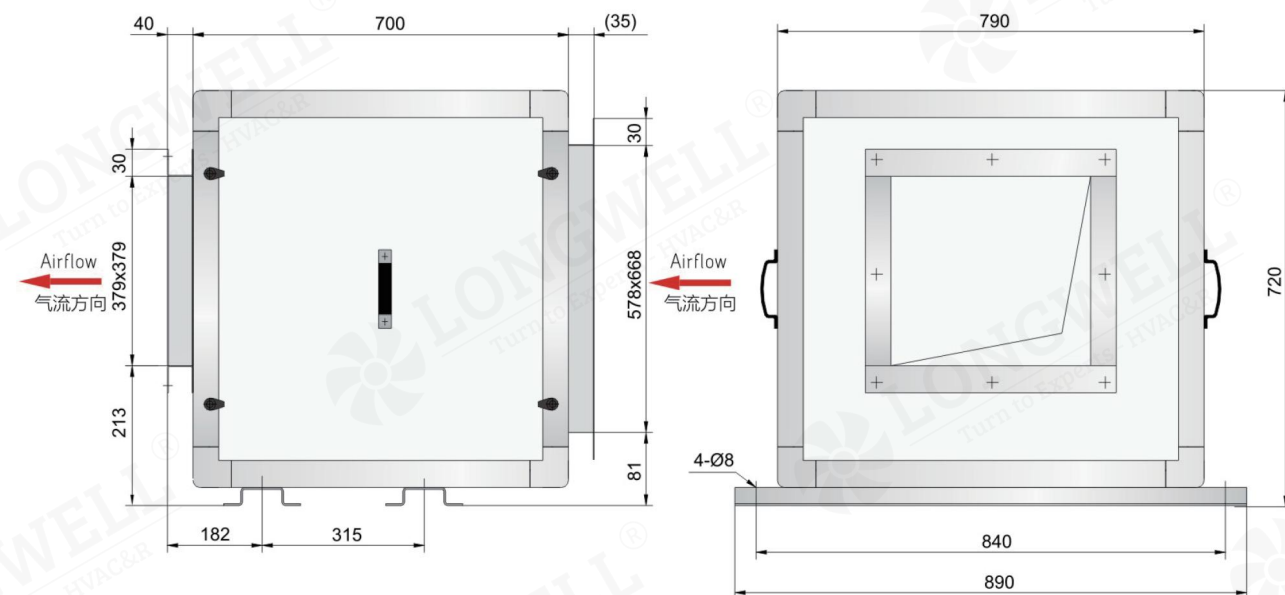
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 14-14-003 380	380	50	1.5KW-6P	4.2	53	IP54

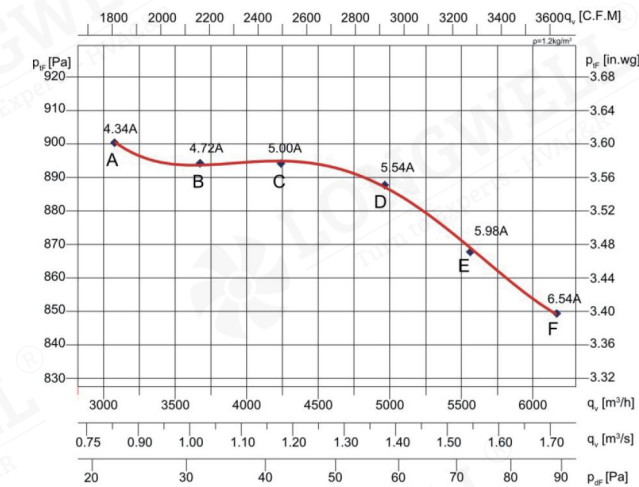
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	65.1	67.5	73.1	77.2	73.8	72.9	66.0	81.1
B	64.6	68.2	74.2	78.5	75.4	74.4	67.3	82.4
C	65.7	69.2	75.7	80.0	77.3	76.1	68.9	84.0
D	66.1	70.2	76.7	81.4	78.8	77.5	70.3	85.3
E	68.9	71.3	77.7	82.6	80.1	79.0	71.9	86.7
F	68.0	72.6	79.0	84.1	82.4	84.6	73.7	89.3

Overall Size



DDMBS/DDMBM 14-14 Box-type Fan

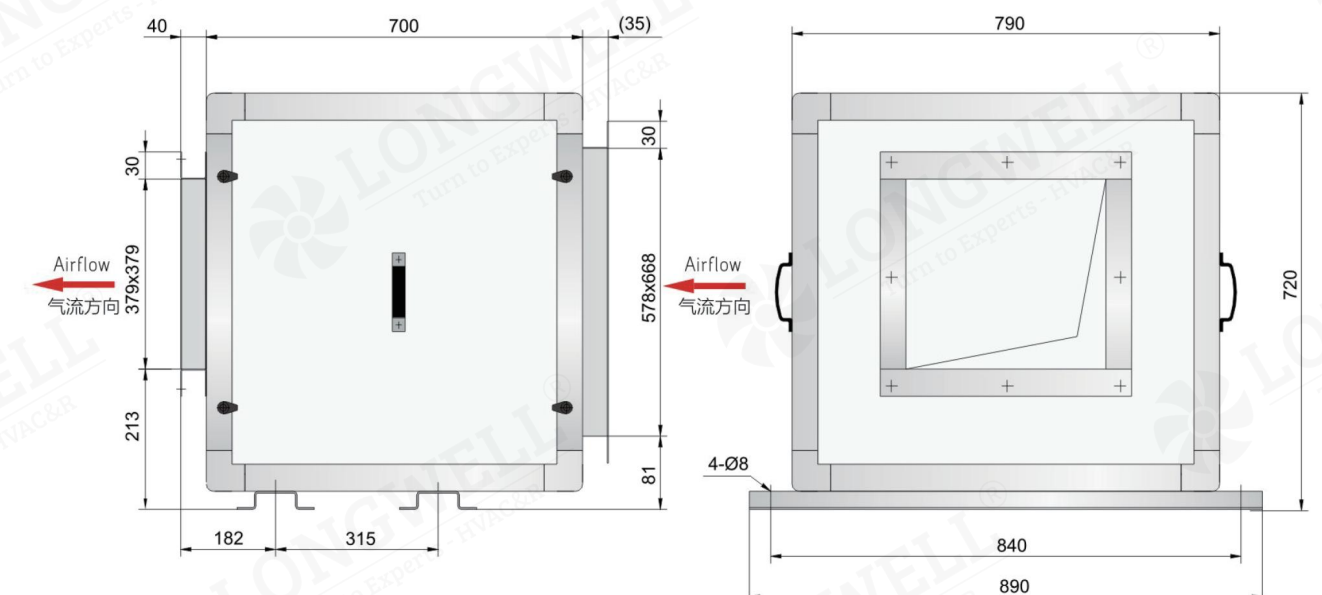
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 14-14-004 380	380	50	1.8KW-6P	4.8	55.6	IP54

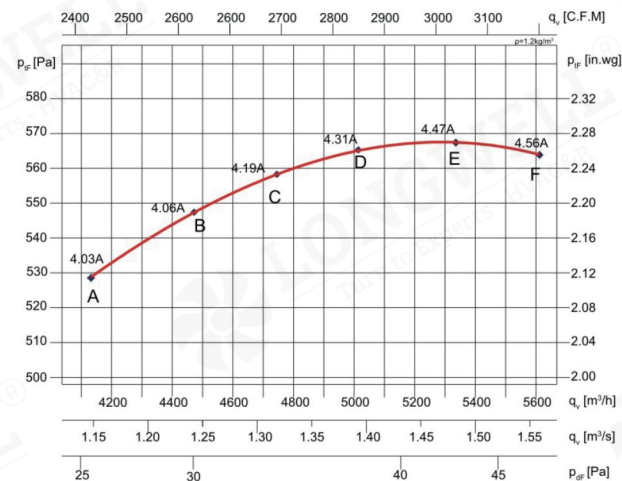
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	73.0	75.5	76.9	79.3	77.5	76.4	69.9	84.8
B	72.8	74.3	75.7	79.4	77.3	76.5	70.3	84.5
C	72.4	75.2	76.7	80.5	78.1	77.3	71.2	85.3
D	71.6	75.7	77.9	81.9	79.4	78.2	72.2	86.4
E	71.0	75.8	78.8	82.9	80.6	79.4	73.2	87.4
F	69.6	76.1	80.1	85.4	83.6	81.8	75.7	89.6

Overall Size



DDMBS/DDMBM 16-16 Box-type Fan

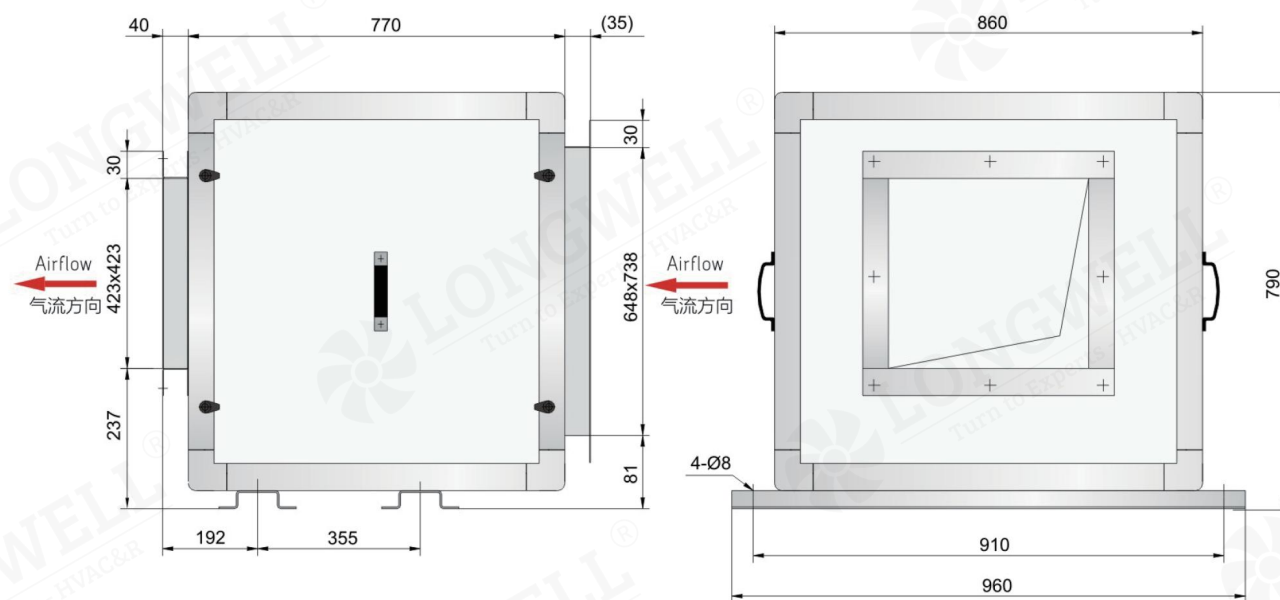
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 16-16-001 380	380	50	1.8KW-6P	4.8	61.2	IP54

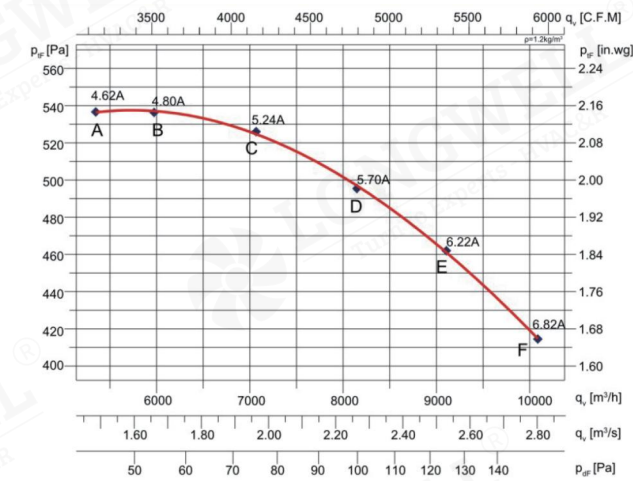
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	75.8	70.5	71.5	77.7	74.5	72.7	63.1	82.3
B	72.8	71.2	72.8	78.5	76.3	74.2	65.1	82.9
C	77.1	72.5	74.1	80.0	78.1	75.9	67.3	84.8
D	76.8	71.6	74.4	80.4	78.7	76.4	68.3	85.1
E	76.4	70.4	74.6	80.5	79.1	76.7	69.2	85.2
F	77.7	70.9	76.4	82.4	81.1	78.7	71.7	87.0

Overall Size



DDMBS/DDMBM 16-16 Box-type Fan

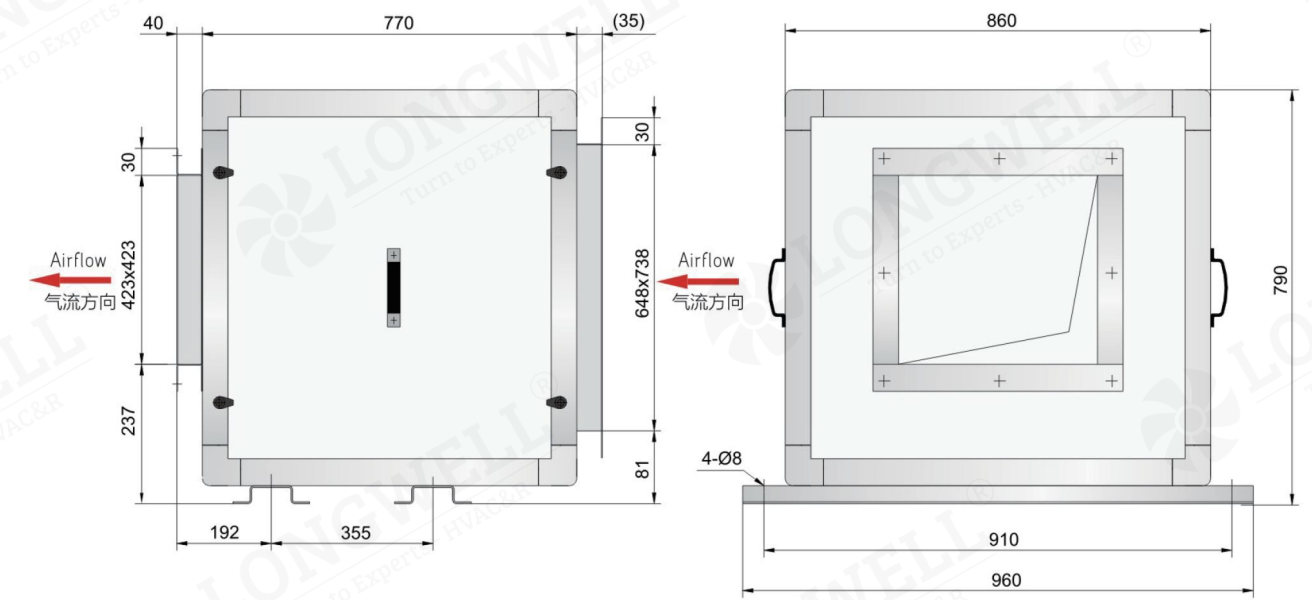
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 16-16-002 380	380	50	2.2KW-6P	5.6	65	IP54

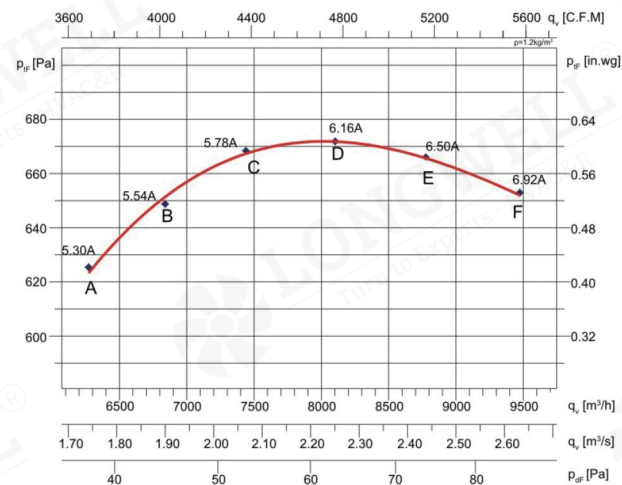
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	$L_{w,dB(A)}$
A	76.1	70.5	71.1	77.4	73.8	71.8	62.3	82.0
B	76.6	71.1	72.2	78.3	75.3	73.2	63.8	83.0
C	73.6	71.7	73.6	79.1	77.0	74.8	65.8	83.5
D	77.8	73.1	74.9	80.6	78.8	76.5	68.0	85.5
E	79.1	73.6	76.9	82.4	80.9	78.4	70.6	87.2
F	74.5	74.8	78.3	73.5	82.5	80.1	72.6	88.1

Overall Size



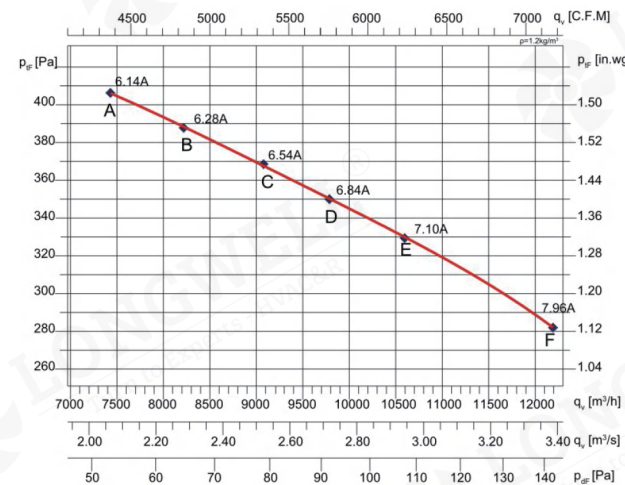
DDMBS/DDMBM 18-18 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 18-18-001 380	380	50	3KW-6P	7.5	86.8	IP54

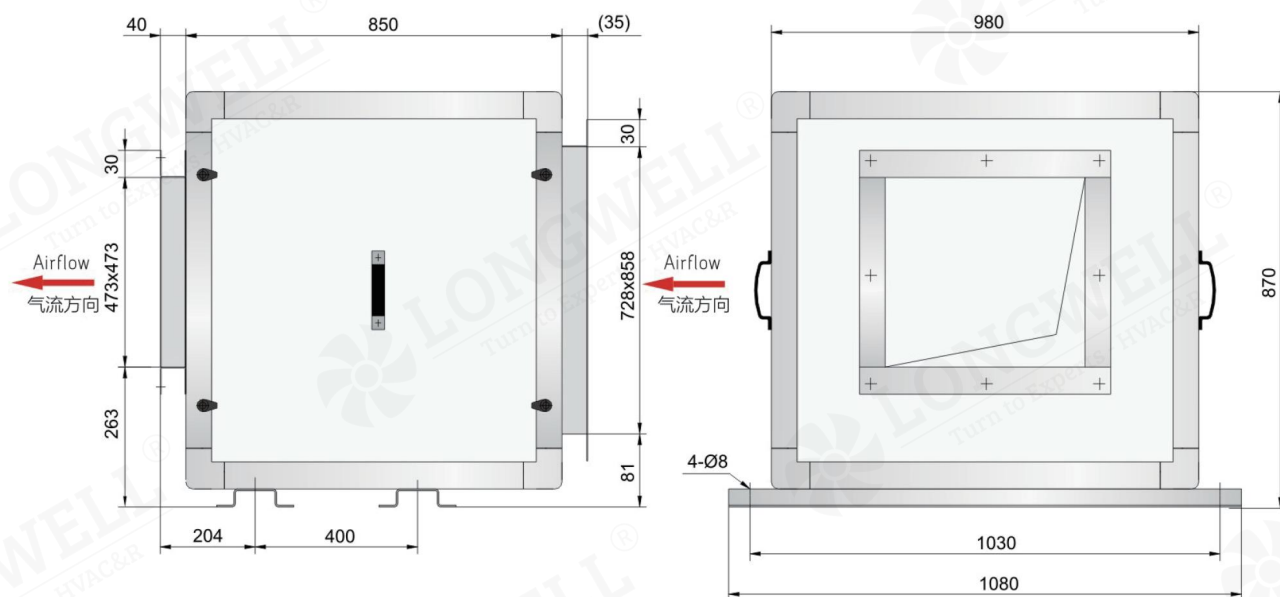
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	68.6	69.2	76.6	74.2	72.2	70.7	63.7	80.7
B	67.5	69.7	78.0	76.0	74.4	71.3	64.4	82.0
C	61.1	69.8	78.6	77.3	75.4	72.4	65.5	82.9
D	66.0	70.2	80.5	78.2	75.8	73.7	66.6	84.1
E	66.3	71.0	81.6	79.8	77.9	74.7	67.9	85.5
F	67.4	72.3	81.9	81.7	79.6	75.6	69.2	86.6



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 18-18-002 380	380	50	3KW-8P	8.36	96	IP54

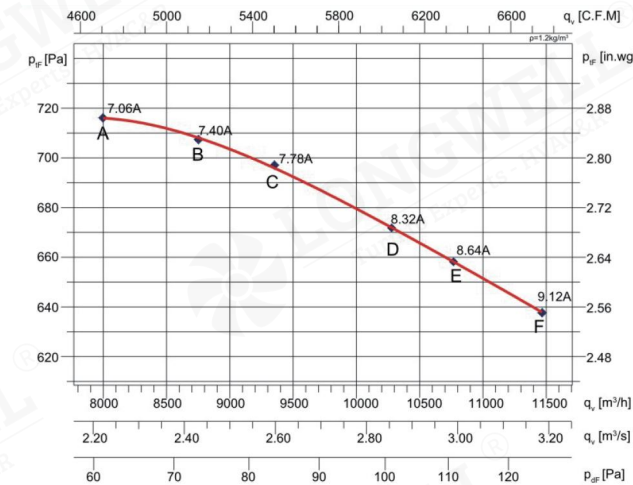
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	66.5	70.6	77.8	76.2	74.2	71.3	62.0	82.0
B	67.6	72.2	79.8	78.2	76.3	73.0	63.9	84.0
C	68.7	73.3	80.9	80.5	78.7	75.4	66.4	85.8
D	69.5	74.3	82.8	82.3	80.5	77.2	68.5	87.6
E	70.7	76.0	83.3	84.2	82.5	79.1	66.7	89.0
F	71.6	76.9	85.0	85.8	84.0	80.6	72.0	90.6

Overall Size



DDMBS/DDMBM 18-18 Box-type Fan

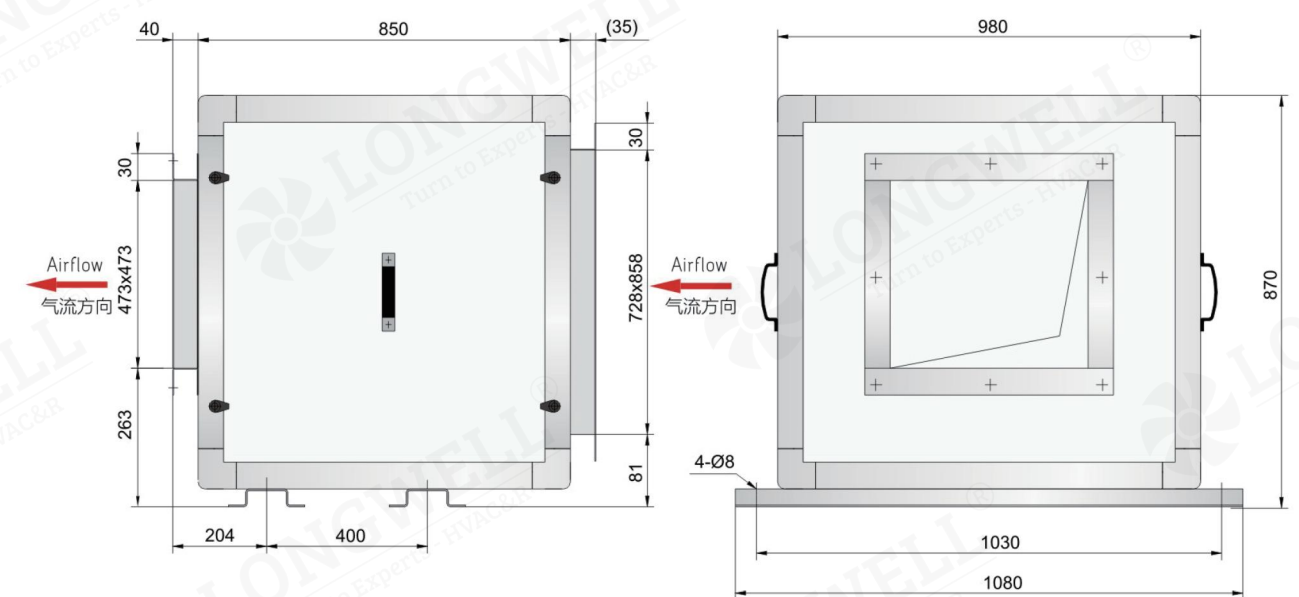
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 18-18-003 380	380	50	4KW-6P	9.9	96	IP54

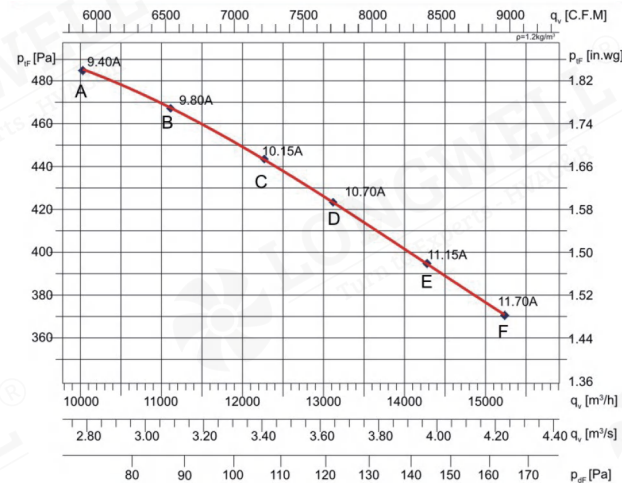
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	69.3	73.0	81.8	80.5	78.6	75.6	68.7	86.1
B	69.2	73.4	83.7	81.4	79.0	76.9	69.8	87.3
C	69.5	74.2	84.8	83.0	81.1	77.9	71.1	88.7
D	70.6	75.5	85.1	84.9	82.8	78.8	72.4	89.8
E	71.0	75.9	85.8	85.0	82.6	80.0	73.0	90.2
F	71.7	76.7	85.9	86.2	84.1	81.3	74.3	91.1

Overall Size



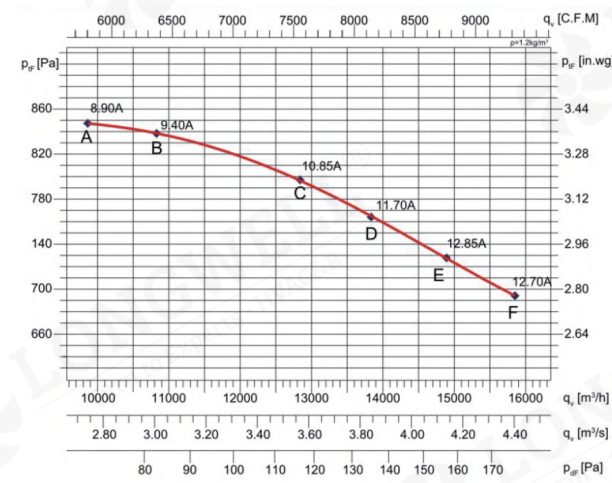
DDMBS/DDMBM 20-20 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 20-20-001 380	380	50	5.5KW-8P	14	132	IP54

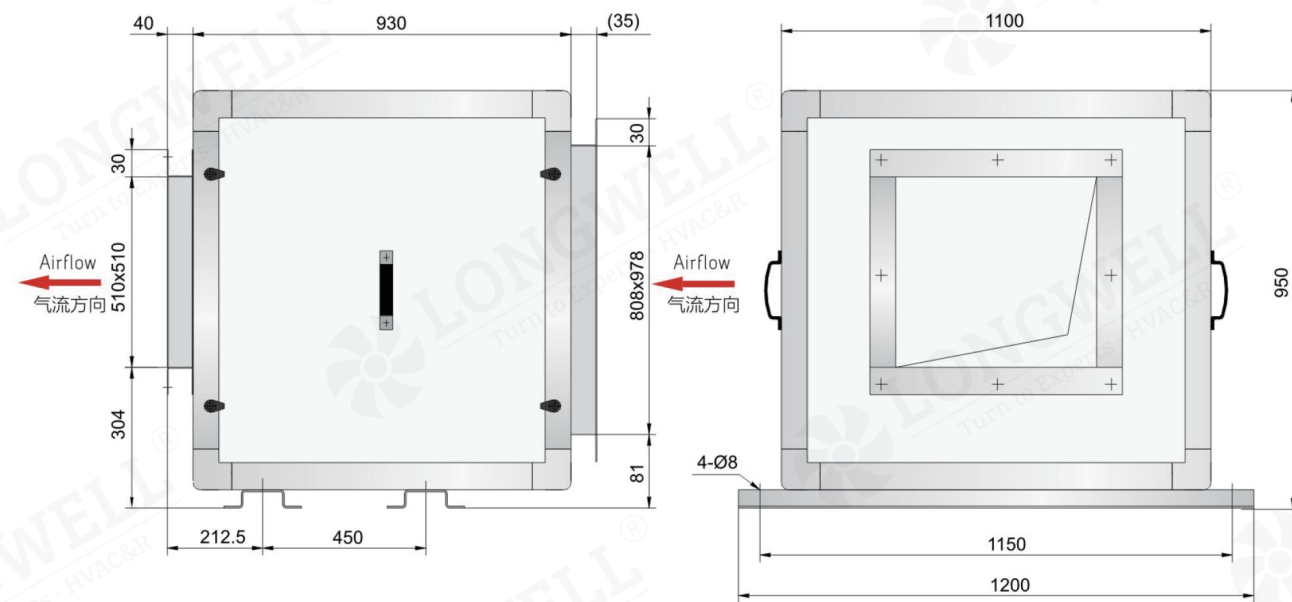
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	73.2	71.5	74.1	77.1	75.5	70.1	63.8	82.1
B	72.7	71.4	74.1	77.3	75.9	70.5	65.2	82.2
C	72.5	72.1	74.8	78.5	77.1	71.7	66.2	83.2
D	72.7	72.0	75.8	79.6	78.5	73.3	67.2	84.2
E	73.6	73.2	76.9	81.2	80.0	74.9	68.5	85.6
F	74.8	74.4	78.4	82.5	81.9	76.9	70.6	87.2



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 20-20-002 380	380	50	6KW-6P	14.5	127	IP54

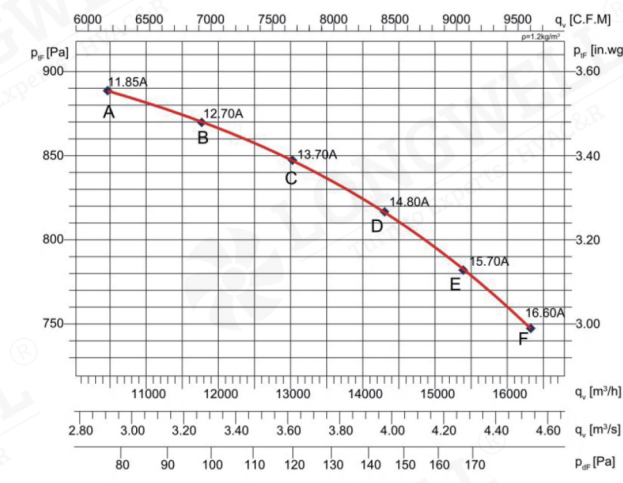
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	75.6	75.8	81.4	80.1	77.4	75.3	69.5	86.2
B	77.6	75.9	82.6	80.7	78.1	76.0	70.5	87.1
C	76.2	76.1	83.8	81.6	78.9	76.6	71.3	87.8
D	76.0	76.6	85.4	83.1	80.0	77.6	71.7	89.1
E	75.4	78.3	86.8	86.1	82.9	80.2	73.5	91.2
F	75.8	79.4	88.4	87.6	84.5	81.8	74.9	92.7

Overall Size



DDMBS/DDMBM 20-20 Box-type Fan

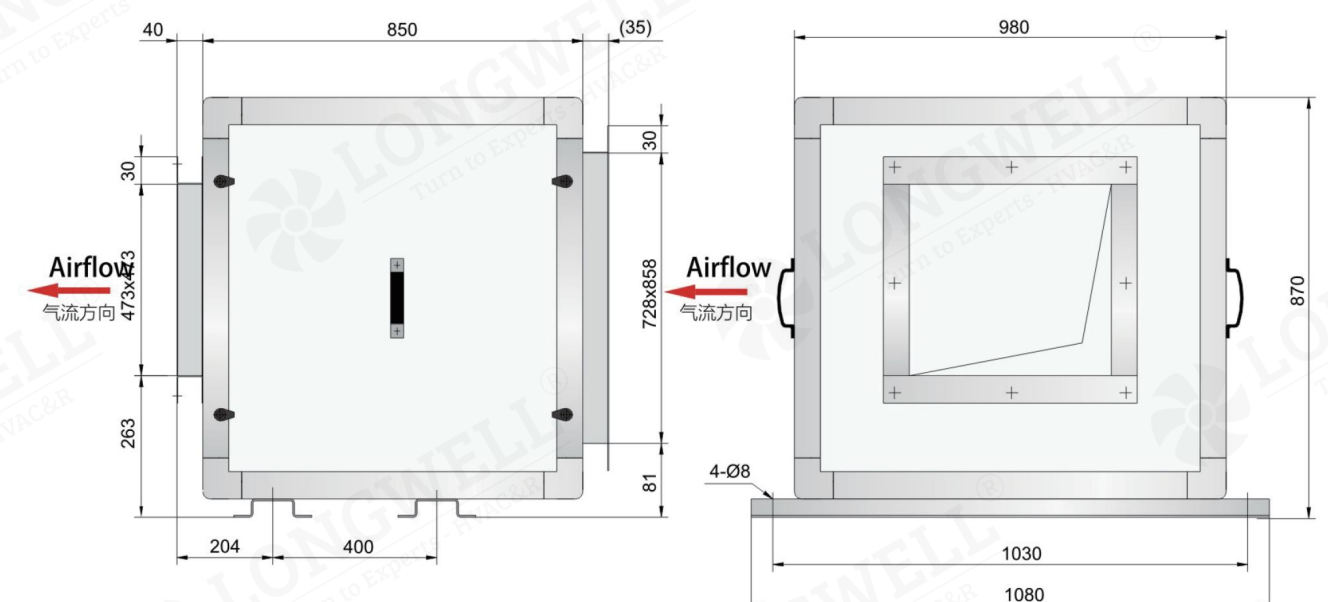
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDMBS/DDMBM 20-20-003 380	380	50	7.5 KW-6P	17.7	135	IP54

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	76.2	76.2	81.9	80.6	77.8	75.7	70.1	86.6
B	78.2	76.3	83.0	81.2	78.5	76.4	71.0	87.6
C	76.7	76.5	84.3	82.2	79.3	77.0	71.8	88.3
D	76.6	77.0	85.9	83.6	80.5	78.0	72.3	89.6
E	75.9	78.7	87.3	86.6	83.3	80.6	74.0	91.6
F	76.3	79.8	88.8	88.1	84.9	82.3	75.4	93.2

Overall Size



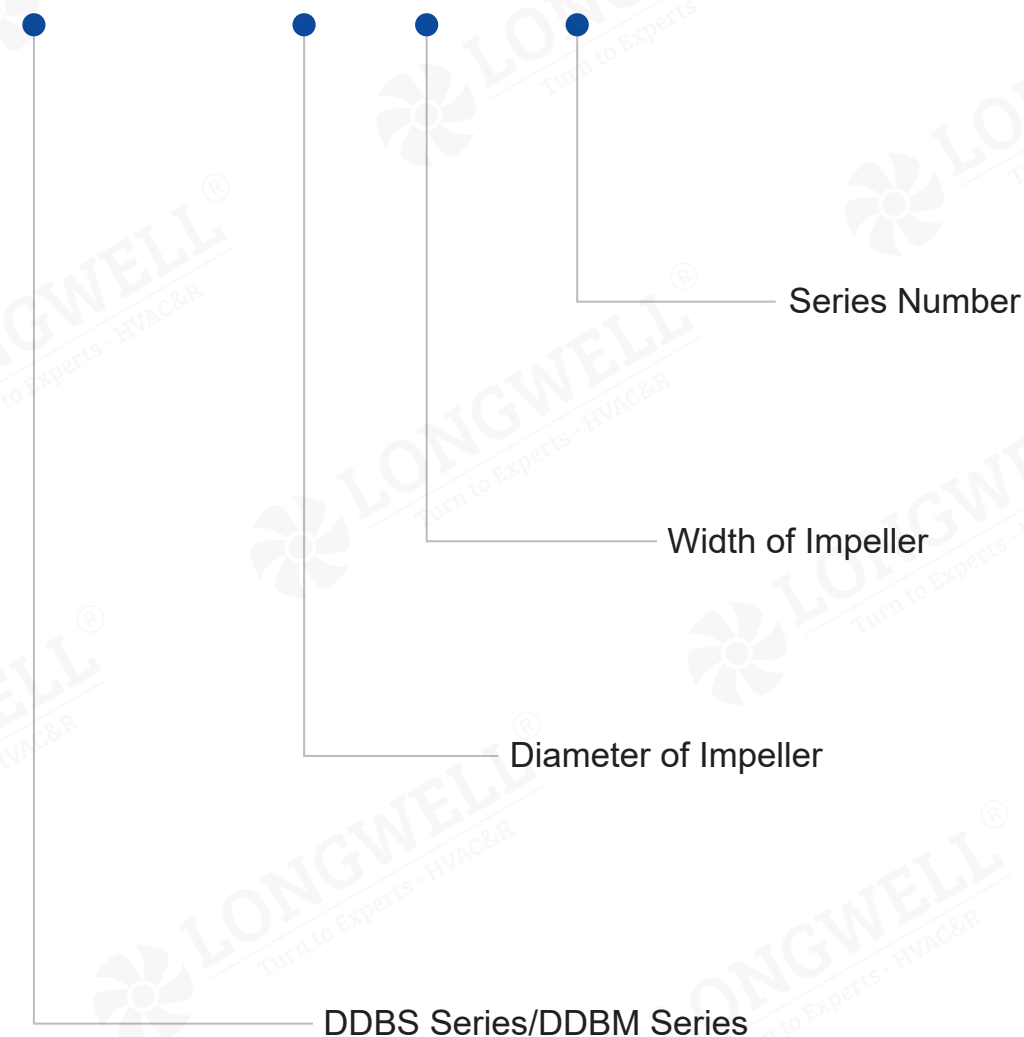
DDBS/DDBM Series Box-type Fan

Professional HVAC Fan & Motors Manufacturer



Type Code

DDBS/DDBM 7 - 7 - 001



The DDBS/DDBM Series Box-type Fan

1.Summary

The DDBS series duct fan is built-in double inlet forward curve centrifugal fans. The fan is driven by Three-speed motor single phase 220V/50HZ. The DDBS Series includes 8 models as described in this catalogue. The air volume and total pressure are from 1000m³/h to 5000m³/h and 100Pa to 300Pa. Customers can request a different site on the noise, can be used with DDBM-type silencer box to meet the requirements of low noise. The series of flexible duct fan with speed control, and convenient installation.

2.Construction of Product

DDBS/DDBM series fans consist of housing, impeller, baseplate (frame), motor, shaft sleeve and air outlet flange.

(1) Housing

DDBS duct fan series is made of galvanized steel square pipe type, the pipe end and the air inlet side has a 20mm standard flange.

DDBM series fan aluminum tenon joint structure design, together with three high-quality silencer cotton board, effective at 15dB acoustic noise around.

(2) Impeller

Forward curved impellers are made of galvanized steel sheet. The impeller is constructed with maximum strength that endures the continuous operation with maximum power. All winds are balanced to G2.5 in according to the ANSI/AMCA 204-05 standard.

(3) Motor

DDBS series fans are equipped with single-phase 220V/50HZ three speeds motors, which are flexible to change speed and easy to install.

(4) Flange

The inlet outlet flanges are made of galvanized steel sheet. and using TOX or spot-welding process. This give the good appearance, of flanges and also make the flanges more strength and rigidity.

DDBM have a flexible connections between fan outlet and flange. DDBS is a hard connection through the fan outlet and flange.

(5) Electrical Connection

DDBS/DDBM series fan motor with a cable, and protection to IP54 junction box connected to an external, removable terminal block.

3.Noise Levels

The figures quoted in the performance curves are the "A" decibel figures which are the sound power levels L_{WOA} at the outlet side in duct systems.

The "A" sound power level at the inlet side L_{WiA} , according to GB/T 2888-2008 part 38, can be calculated via the relative sound power levels or is obtained approximately as follows:

$$L_{WiA} \approx L_{WOA} - 6 \text{ dB}$$

The "A" sound power level L_{WA2} , from the casing according to GB/T 2888-2008 can be calculated via the relative sound power levels or is obtained approximately as follows:

$$L_{WA2} \approx L_{WOA} - 17 \text{ dB, for YGB}$$

$$L_{WA2} \approx L_{WOA} - 25 \text{ dB, for YGBS}$$

The "A" sound pressure level L_{PA} at a distance of 1 meter is obtained approximately by deducting 7 dB(A) from the "A" sound power level:

$$L_{PA(1m)} \approx L_{WA2} - 7 \text{ dB}$$

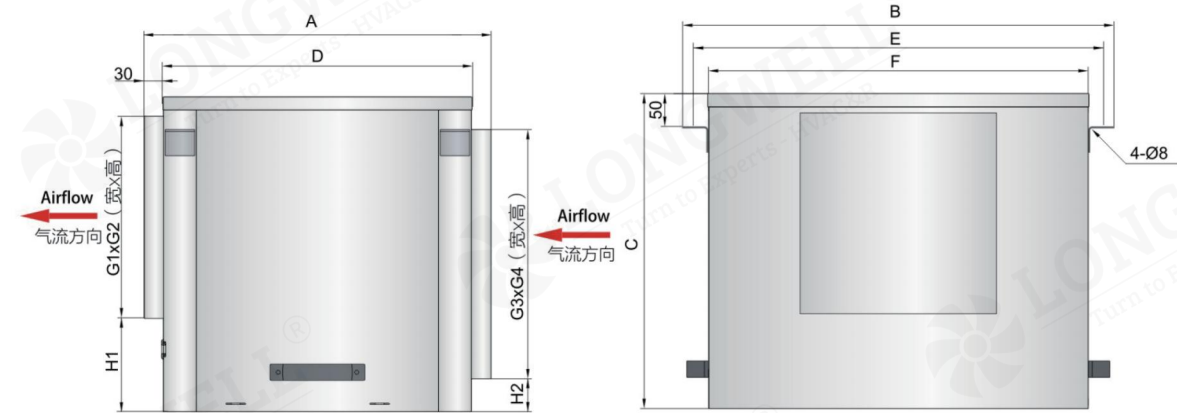
Note that the reflection, room characteristic and natural frequencies will influence the sound pressure levels. To avoid rigid conduction transfer to the duct system, we recommend to use the flexible duct connection.

4.Instructions

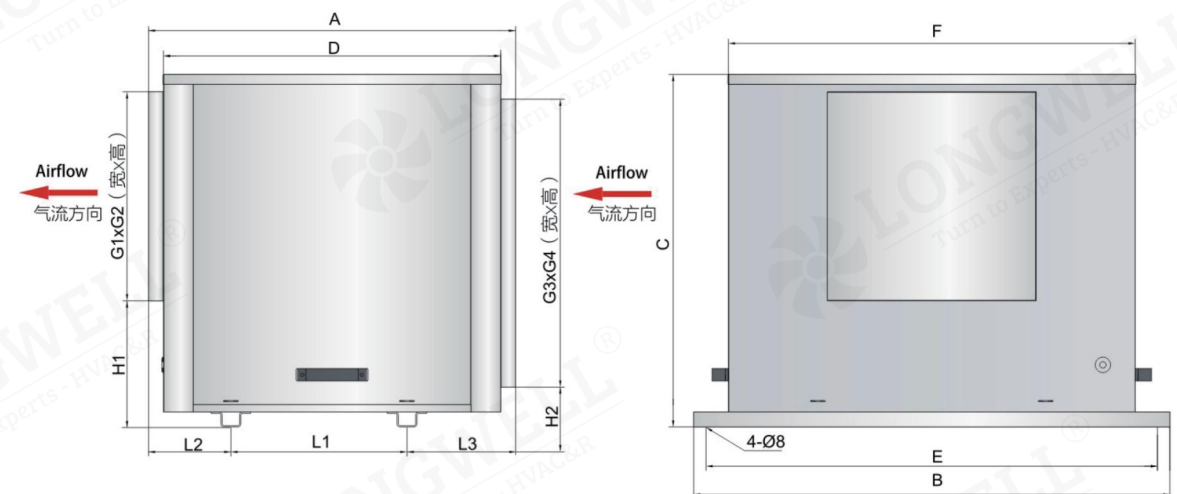
- 1) The motor power is calculated from the Bhp plus the safety factor, so to avoid the motor burn and damage, the fan shall not operate at type A condition. (i.e. free inlet, free outlet)
- 2) The fan performance in the catalog is tested under the rated motor speed, we can meet the actual requirement of the user by changing the motor speed.
- 3) During transportation, loading and unloading, all fans shall be handled carefully to avoid damaging. the fans shall store in a dry, clean and non-toxics area.
- 4) Before commissioning and operating, the impeller should be turned by hand to ensure that it turns freely without colliding with other parts of the fan.
- 5) When the duct is connecting to the inlet and the outlet of the fan, a flexible connector shall be used in between.
- 6) Check and clean the housing of the fan, to ensure than there is no sundry inside the housing.
- 7) Before operating, check the rotational direction of the, to ensure than the rotation direction is same as the label shown on the fan.

DDBS Series Fan Overall Dimension

DDBS 7-7(8-8/9-7/9-9/10-8/10-10)(180°)



DDBS (12-9/12-12)(180°)



Unit:mm

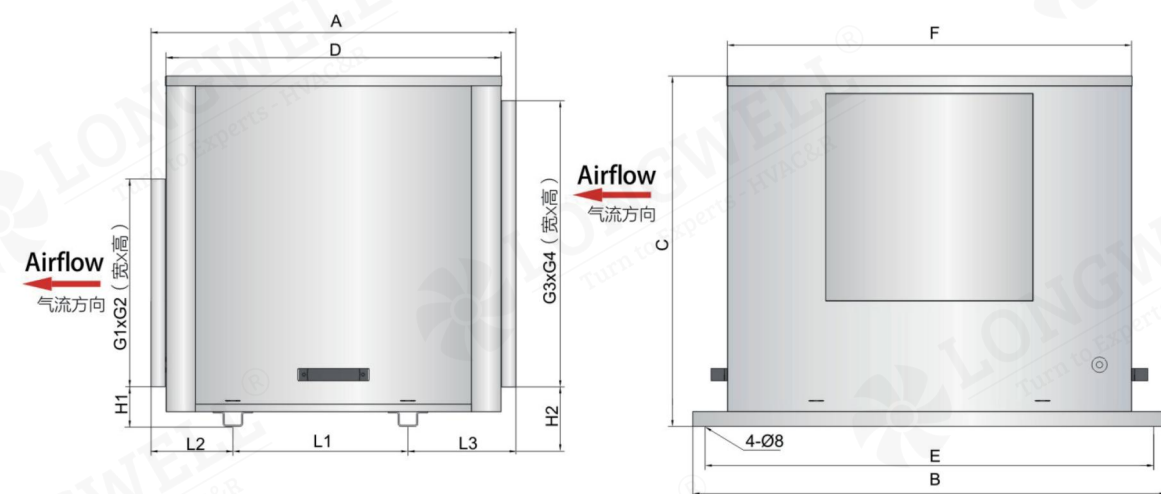
Model	A	B	C	D	E	F	L1	L2	L3	H1	H2	G1	G2	G3	G4
DDBS 7-7	450	470	380	390	442	410				131	45	234	210	320	290
DDBS 8-8	470	550	420	410	522	490				129	45	289	258	400	330
DDBS 9-7	500	520	440	440	492	460				142	45	234	264	370	350
DDBS 9-9	500	590	440	440	562	530				142	45	300	264	440	350
DDBS 10-8	550	610	500	490	570	530				170	50	272	293	430	400
DDBS 10-10	550	670	500	490	630	590				170	50	333	293	490	400
DDBS 12-9	620	760	640	560	710	620	408	90	122	237	75	311	343	520	510
DDBS 12-12	620	620	640	560	790	700	408	90	122	237	75	397	343	600	510

DDBS Series Fan Overall Dimension

DDBS 7-7(8-8/9-7/9-9/10-8/10-10)(0°)



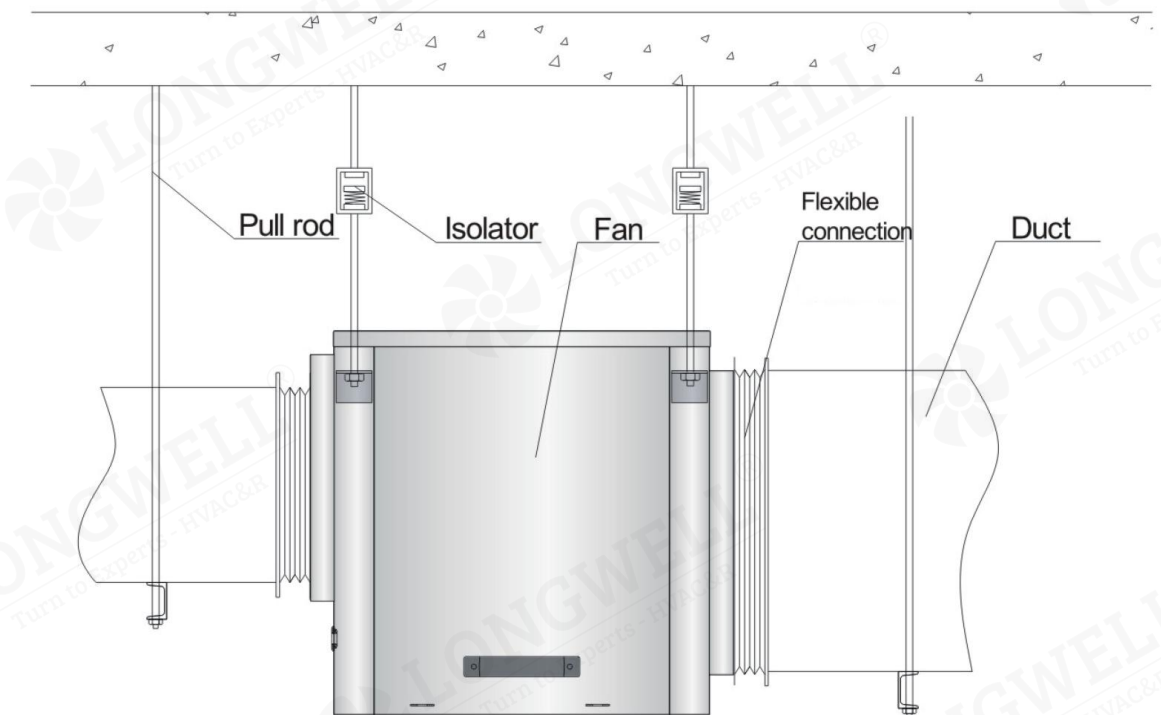
DDBS (12-9/12-12)(0°)



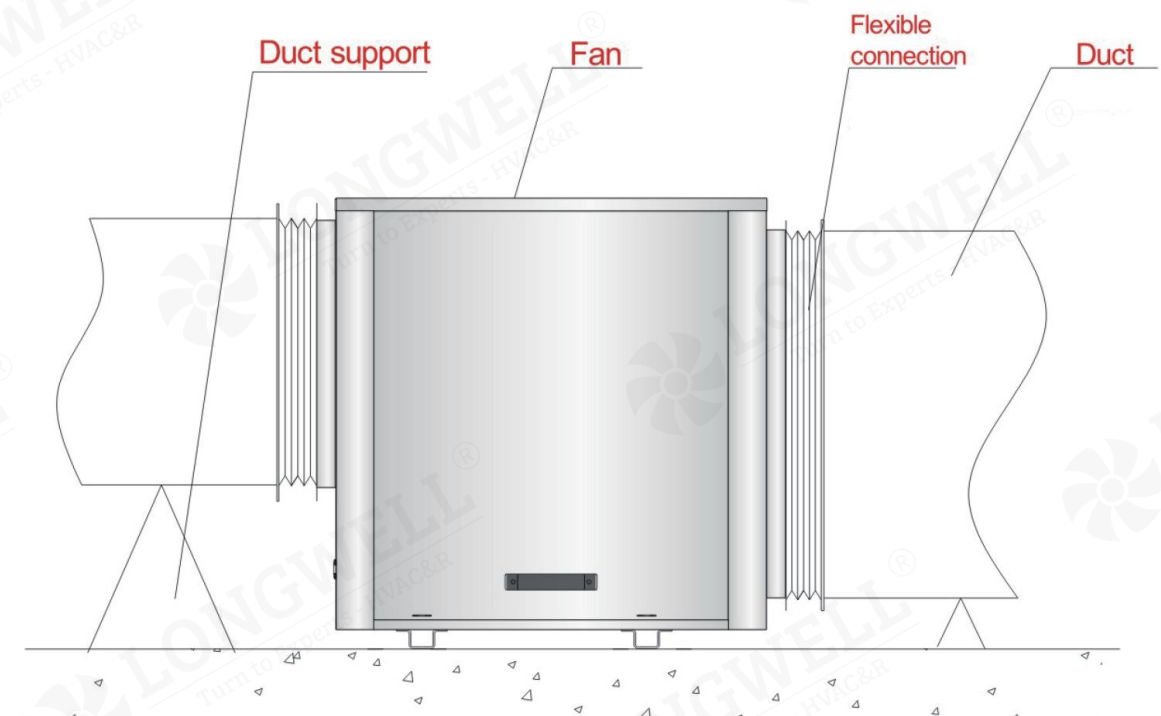
Unit:mm

Model	A	B	C	D	E	F	L1	L2	L3	H1	H2	G1	G2	G3	G4
DDBS 7-7	470	473	380	390	445	410				34	45	232	208	320	290
DDBS 8-8	490	553	420	410	525	490				36	45	278	256	400	330
DDBS 9-7	520	523	440	440	495	460				36	45	232	262	370	350
DDBS 9-9	520	593	440	440	565	530				37	45	298	262	440	350
DDBS 10-8	570	613	500	490	573	530				36	50	270	291	430	400
DDBS 10-10	570	673	500	490	633	590				37	50	333	353	490	400
DDBS 12-9	640	820	640	560	720	620	408	90	122	90	75	309	341	520	510
DDBS 12-12	640	900	640	560	800	700	408	90	122	89	75	395	341	600	510

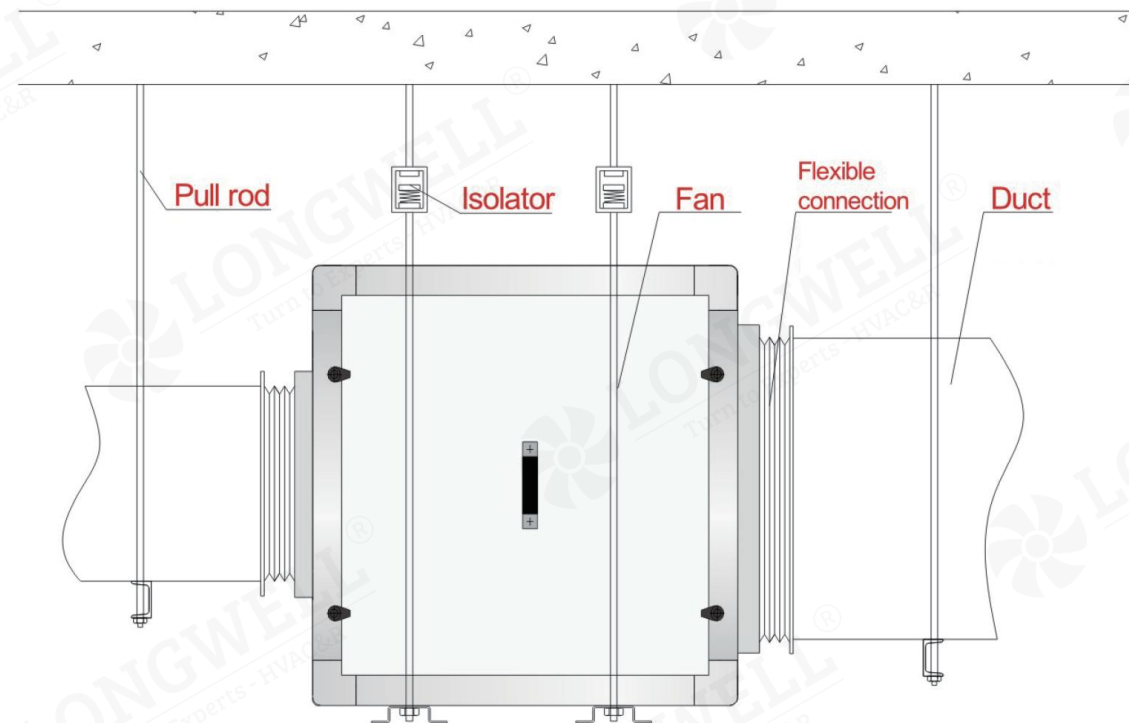
DDBS Ceiling Installation Schematic Diagram



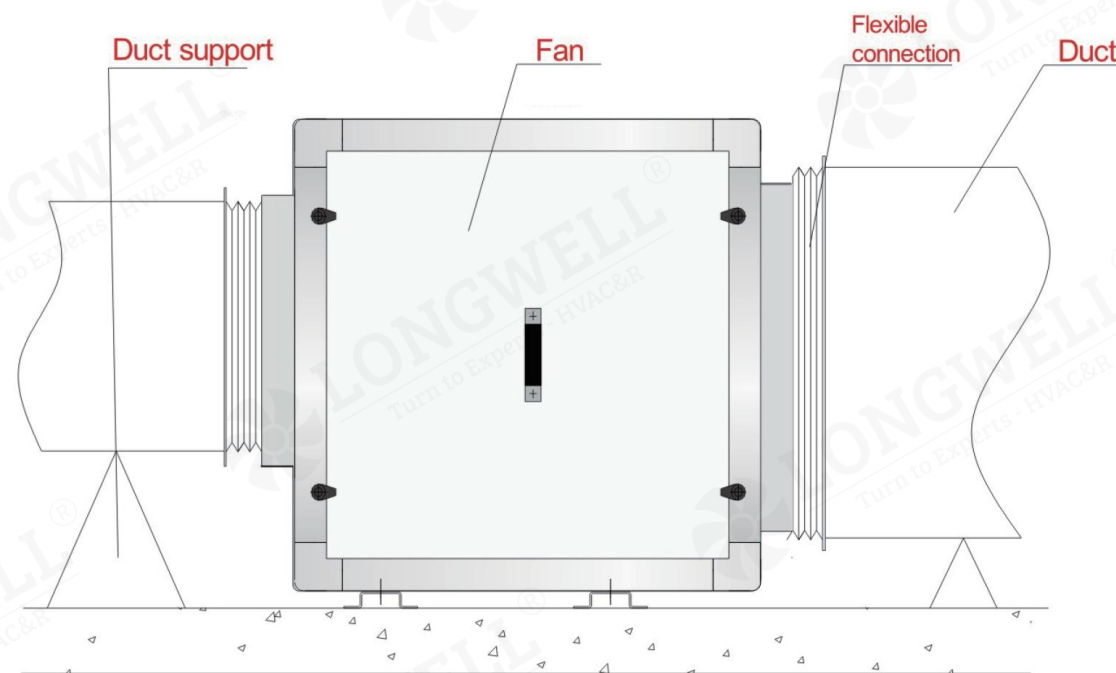
DDBS Floor Installation Schematic Diagram



DDBM Ceiling Installation Schematic Diagram

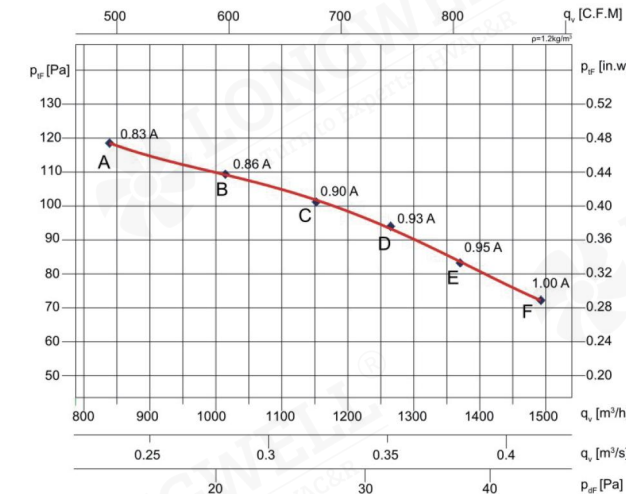


DDBM Floor Installation Schematic Diagram



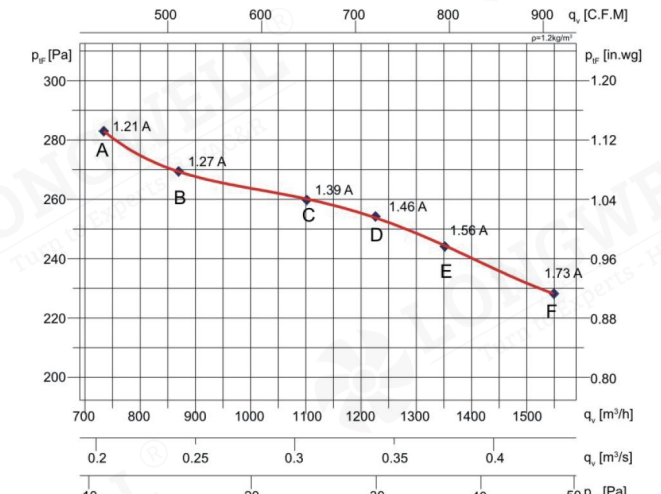
DDBS/DDBM 7-7 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 7-7-001	220	50	90W-6P	1.1	8.85	IP20

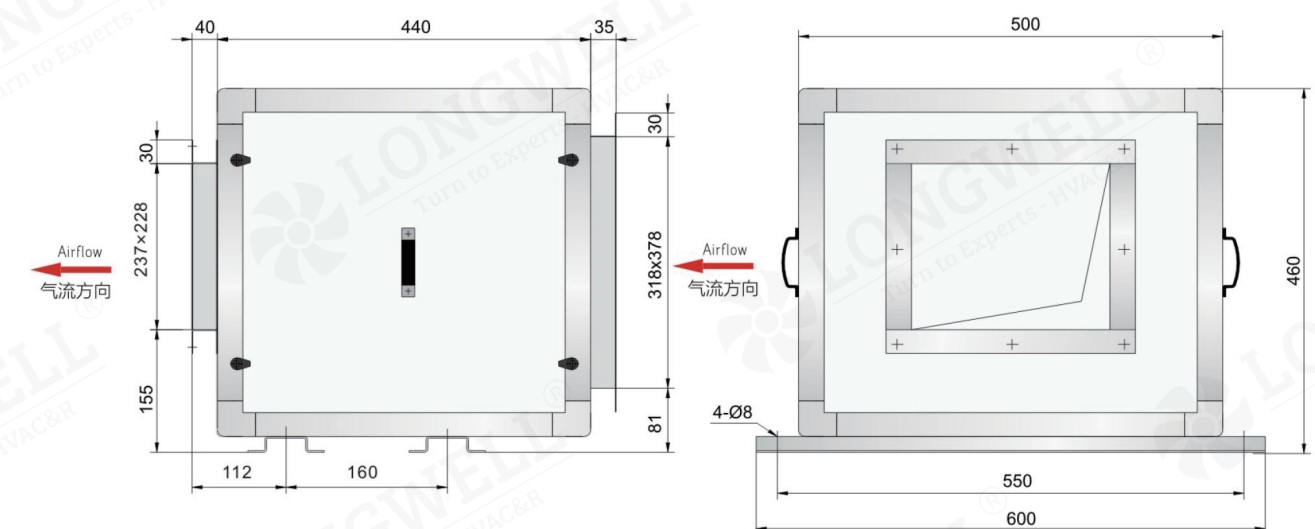
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	48.1	54.3	55.3	59.1	56.0	53.5	46.7	63.4
B	48.2	54.9	57.5	61.4	58.2	56.9	48.7	65.5
C	49.6	56.1	59.5	63.3	59.8	59.2	50.6	67.3
D	51.0	57.4	60.7	65.0	61.3	61.6	53.2	69.1
E	52.5	58.7	62.4	66.5	62.7	63.2	55.1	70.6
F	53.0	61.3	63.7	67.6	64.3	65.2	62.3	72.4



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 7-7-002	220	50	200W-4P	1.8	9.4	IP20

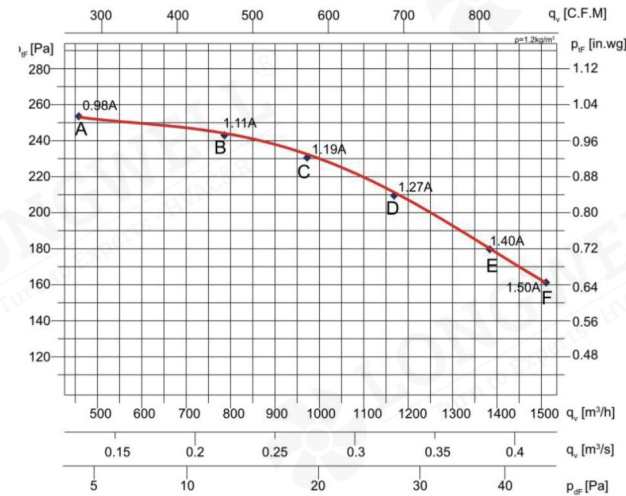
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	58.2	64.6	62.7	66.4	63.1	62.0	53.3	71.4
B	56.9	63.9	62.3	66.6	63.5	62.7	54.4	71.3
C	55.4	63.6	62.8	67.8	64.8	64.3	56.6	72.2
D	55.2	64.6	63.3	68.3	65.5	65.5	58.0	73.0
E	55.1	65.1	64.0	69.9	66.5	66.8	59.6	74.2
F	55.3	65.2	65.3	71.0	68.1	68.6	61.8	75.4

Overall Size



DDBS/DDBM 7-7 Box-type Fan

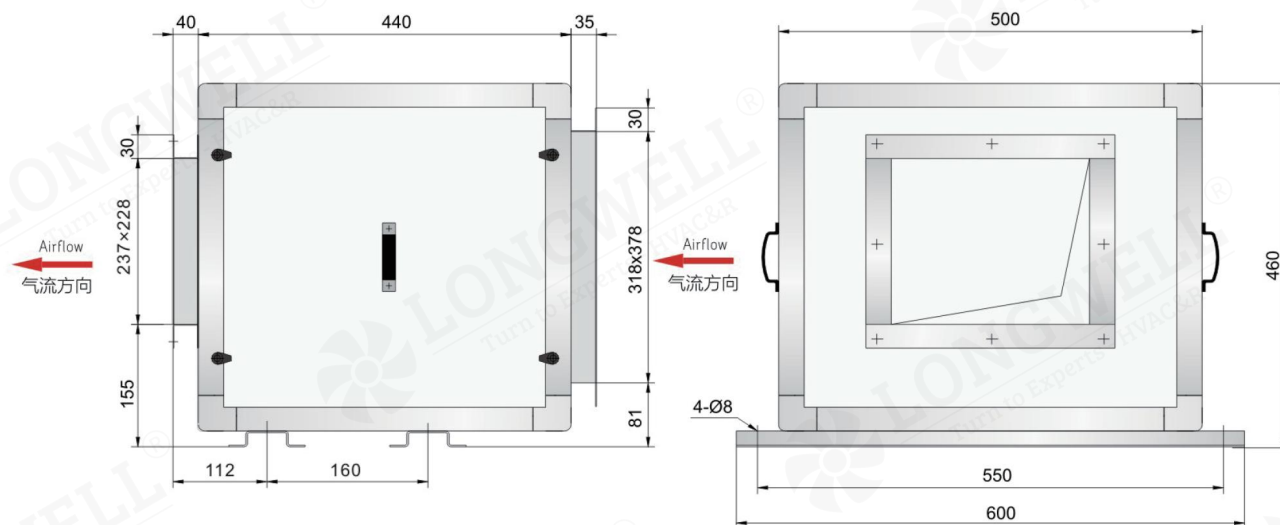
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 7-7-003	220	50	150W-4P	1.6	9.1	IP20

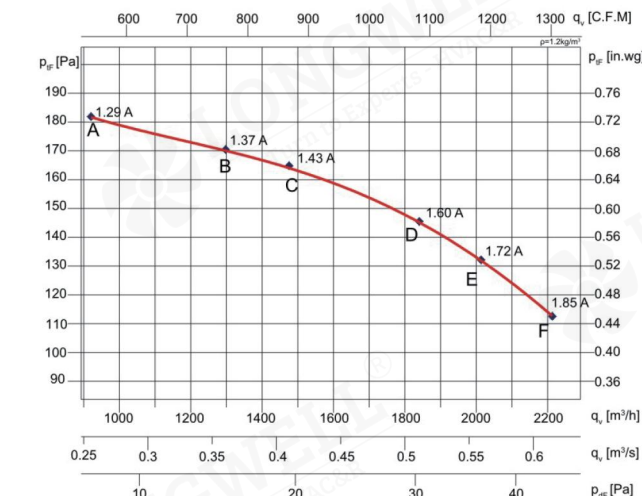
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{wA} dB(A)
A	56.3	63.7	62.5	65.7	62.4	61.3	59.9	70.9
B	55.4	63.3	61.8	65.8	63.1	62.4	60.2	71.0
C	54.6	62.8	62.1	66.7	64.8	64.2	60.8	71.9
D	54.9	63.6	63.3	67.4	64.9	65.0	61.5	72.5
E	54.8	63.7	64.3	68.4	65.9	66.3	61.8	73.4
F	55.7	64.5	65.6	69.8	67.0	67.5	62.6	74.6

Overall Size



DDBS/DDBM 8-8 Box-type Fan

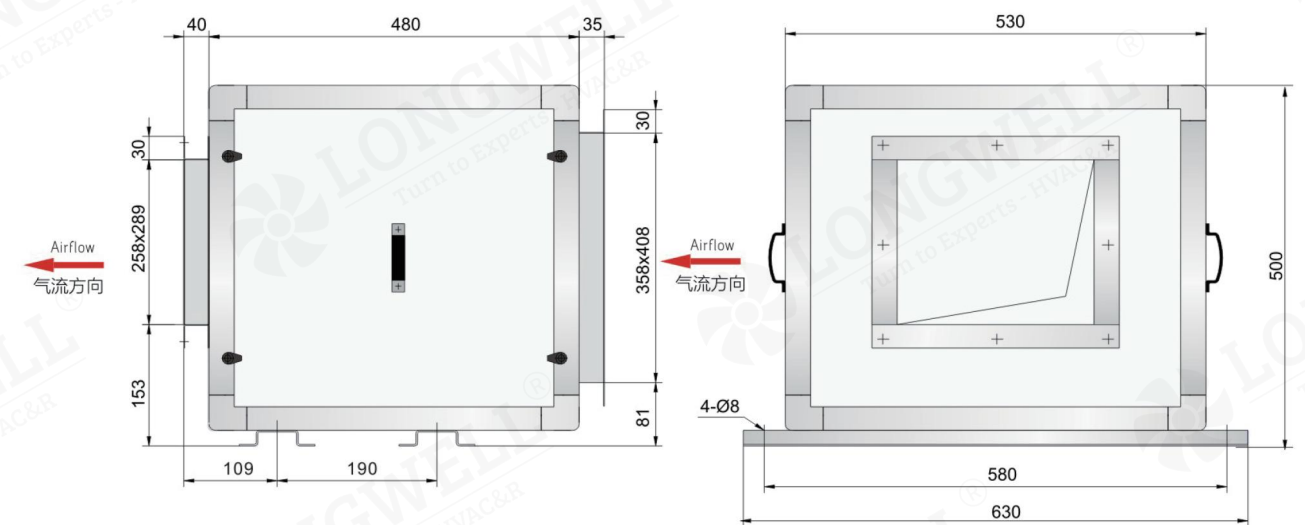
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 8-8-001	220	50	200W-6P	2	14.05	IP20

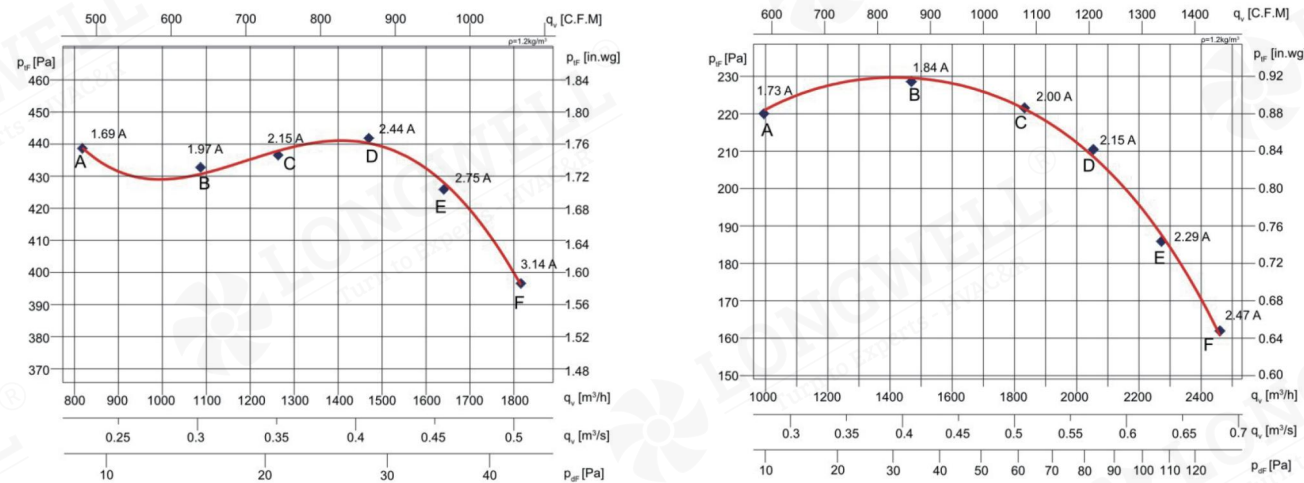
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{wA} dB(A)
A	55.7	64.2	61.3	68.5	61.4	57.6	57.1	71.4
B	55.5	64.1	62.2	68.2	64.1	61.4	57.7	72.0
C	56.5	64.5	64.4	68.4	65.1	63.0	58.5	72.8
D	58.0	65.2	64.5	67.8	67.2	67.0	60.9	73.8
E	58.7	66.1	64.6	67.9	68.5	68.8	62.1	74.8
F	58.5	66.1	66.2	69.5	69.9	70.7	63.5	76.2

Overall Size



DDBS/DDBM 9-7 Box-type Fan

Technical Specifications



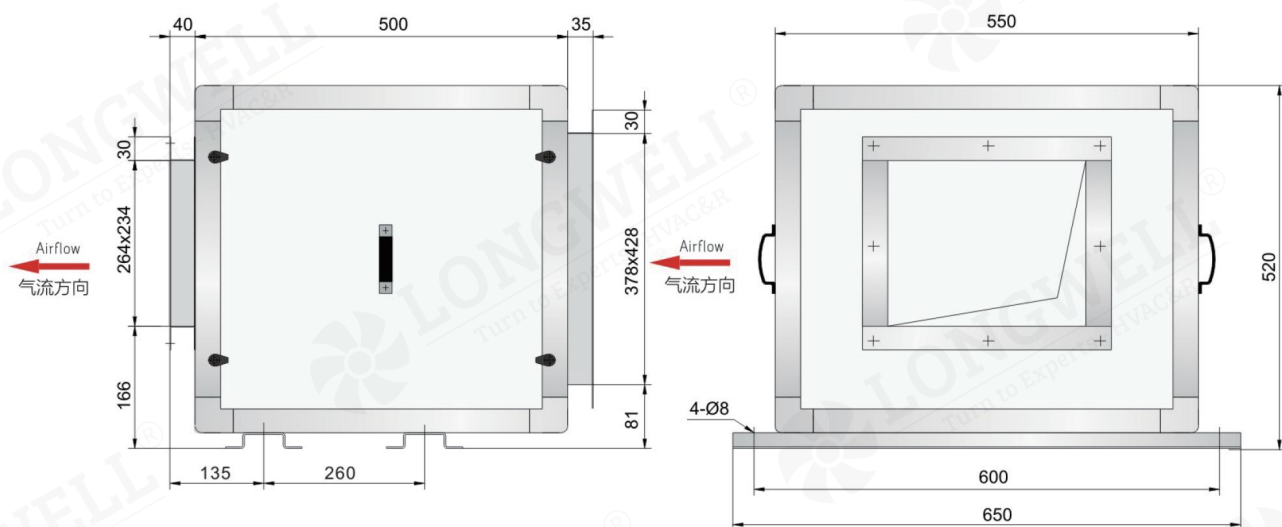
Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 9-7-001	220	50	375W-4P	4.2	14.85	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{w0} dB(A)
A	63.0	68.9	67.0	67.7	65.8	64.4	56.6	74.4
B	61.9	68.4	67.5	68.5	66.4	65.9	58.5	74.8
C	60.6	67.3	66.5	69.2	66.6	66.4	59.4	74.6
D	58.2	66.1	67.1	69.4	67.2	67.5	60.6	74.9
E	56.0	64.6	66.3	70.0	67.7	68.4	61.4	75.0
F	55.8	64.5	66.4	70.8	68.5	69.4	62.6	75.7

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 9-7-002	220	50	375W-6P	3.5	15.7	IP20

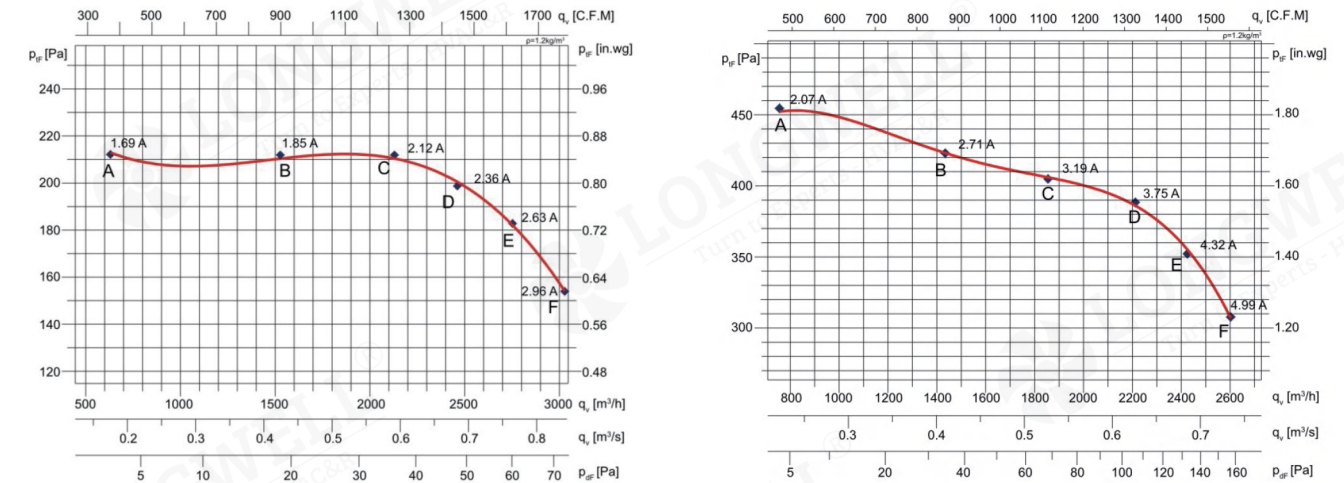
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{w0} dB(A)
A	55.0	63.4	59.3	61.7	60.1	57.8	48.7	68.2
B	53.0	60.1	61.4	64.5	62.9	62.7	53.7	69.8
C	53.2	61.2	64.0	67.6	65.9	66.9	59.2	72.9
D	56.1	63.3	65.5	69.4	68.0	69.2	62.0	74.9
E	58.5	65.5	66.8	71.0	69.9	71.0	64.4	76.7
F	59.8	66.6	67.8	72.2	71.1	72.5	66.1	78.0

Overall Size



DDBS/DDBM 9-9 Box-type Fan

Technical Specifications



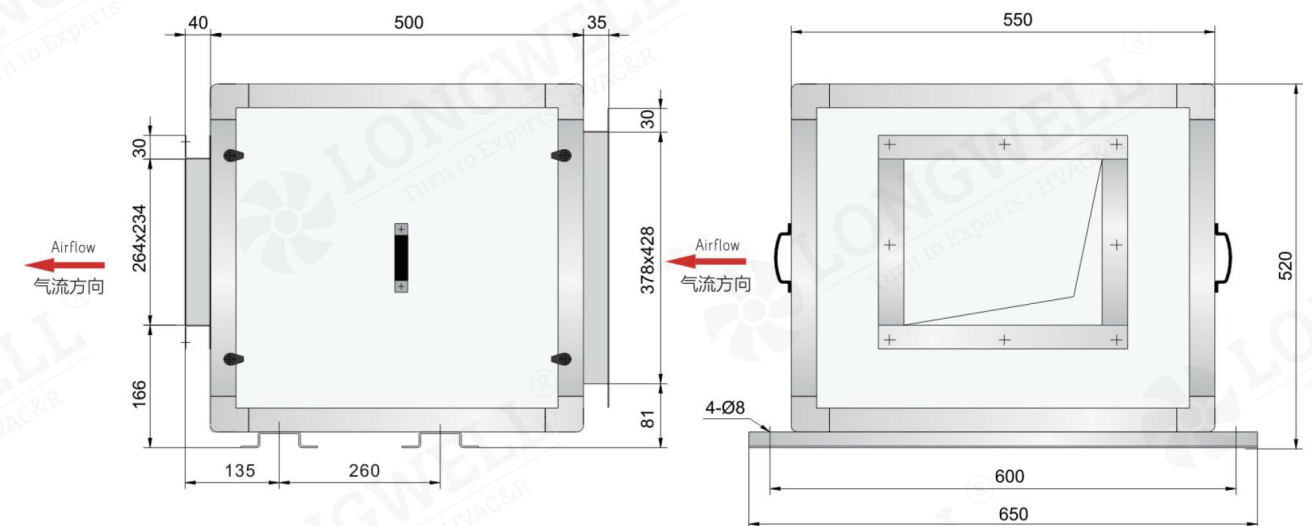
Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 9-9-001	220	50	375W-6P	3.5	16.55	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{w0} dB(A)
A	56.9	67.5	61.7	64.4	60.9	59.8	48.9	71.0
B	54.1	68.5	59.9	65.7	64.5	61.1	49.8	72.1
C	55.7	64.3	63.6	67.3	65.5	65.6	55.9	72.6
D	59.7	64.1	65.7	69.4	67.9	68.2	59.8	74.7
E	59.4	65.3	67.1	71.0	70.0	70.5	62.8	76.6
F	60.3	66.4	68.6	72.5	72.0	72.5	65.0	78.3

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 9-9-002	220	50	450W-4P	5	16.75	IP20

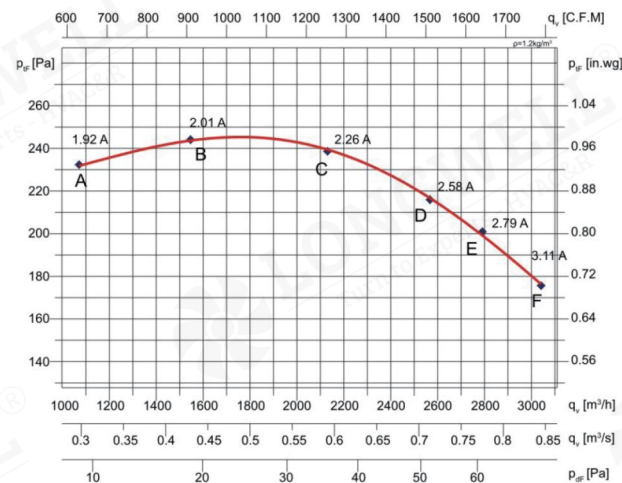
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{w0} dB(A)
A	65.0	71.2	66.9	69.3	67.6	65.9	57.8	76.0
B	64.1	70.5	66.5	69.9	68.4	66.7	58.5	76.1
C	60.4	67.9	65.1	69.5	68.3	67.2	58.9	75.1
D	59.4	67.6	66.7	71.1	69.8	69.1	60.7	76.3
E	59.6	67.3	67.6	71.9	70.4	70.2	62.2	77.0
F	59.0	66.3	67.2	71.5	70.2	70.4	62.7	76.8

Overall Size



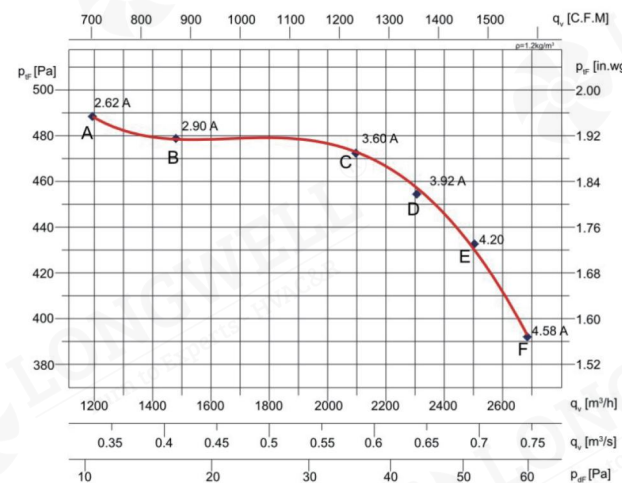
DDBS/DDBM 10-8 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 10-8-001	220	50	375W-6P	3.5	17.1	IP20

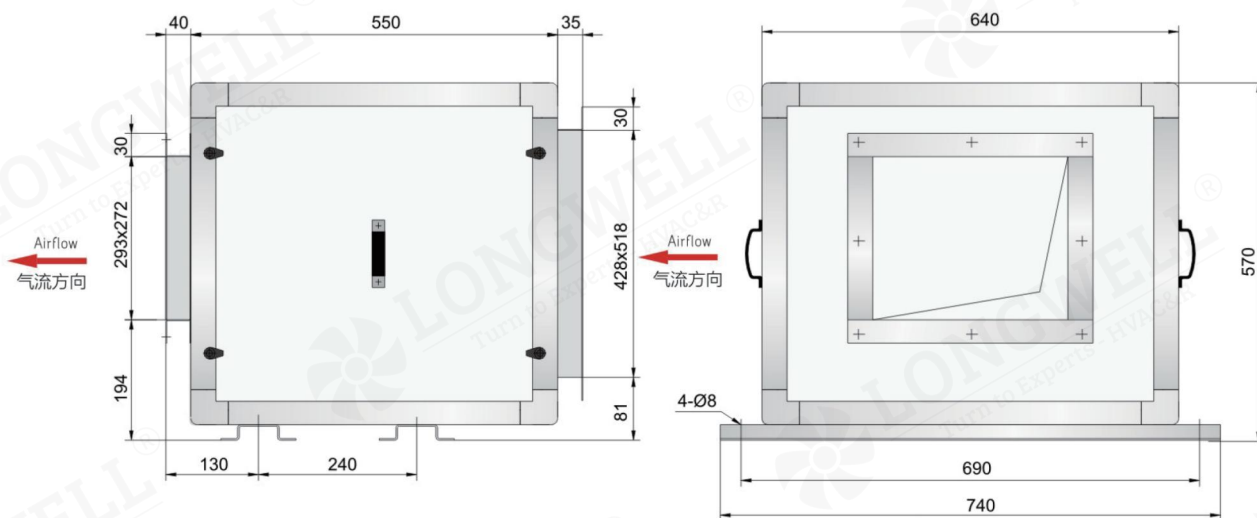
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	63.3	62.7	61.5	63.0	61.0	58.5	47.5	69.8
B	61.6	62.0	61.3	64.3	62.3	60.7	50.2	70.0
C	58.7	62.2	62.6	66.5	65.0	64.6	55.0	71.8
D	58.7	63.4	65.1	69.0	68.0	68.0	59.5	74.4
E	59.1	64.6	66.3	70.5	69.9	69.8	61.8	76.0
F	59.3	65.6	67.7	72.1	71.8	71.8	64.3	77.8



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 10-8-002	220	50	550W-4P	4.9	17.65	IP20

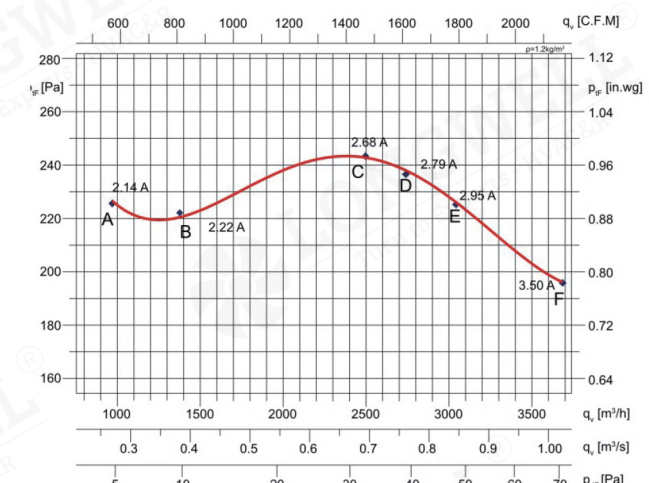
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	66.6	71.5	68.1	70.8	69.2	68.3	60.5	77.3
B	66.6	71.5	68.1	70.8	69.2	68.3	60.5	77.3
C	60.3	68.2	66.1	72.0	69.8	69.6	62.2	76.8
D	60.6	68.2	66.5	73.0	70.4	70.3	63.0	77.5
E	60.1	68.1	66.7	72.7	70.5	70.6	63.3	77.5
F	60.2	67.8	67.3	72.7	71.0	71.0	63.6	77.7

Overall Size



DDBS/DDBM 10-10 Box-type Fan

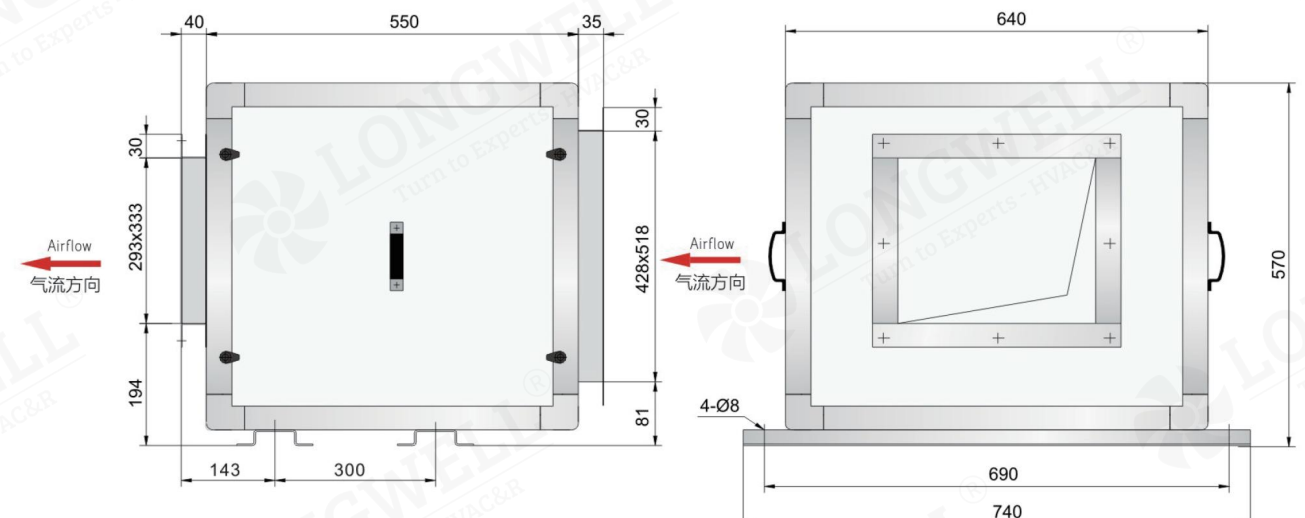
Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 10-10-001	220	50	450W-6P	3.5	18.3	IP20

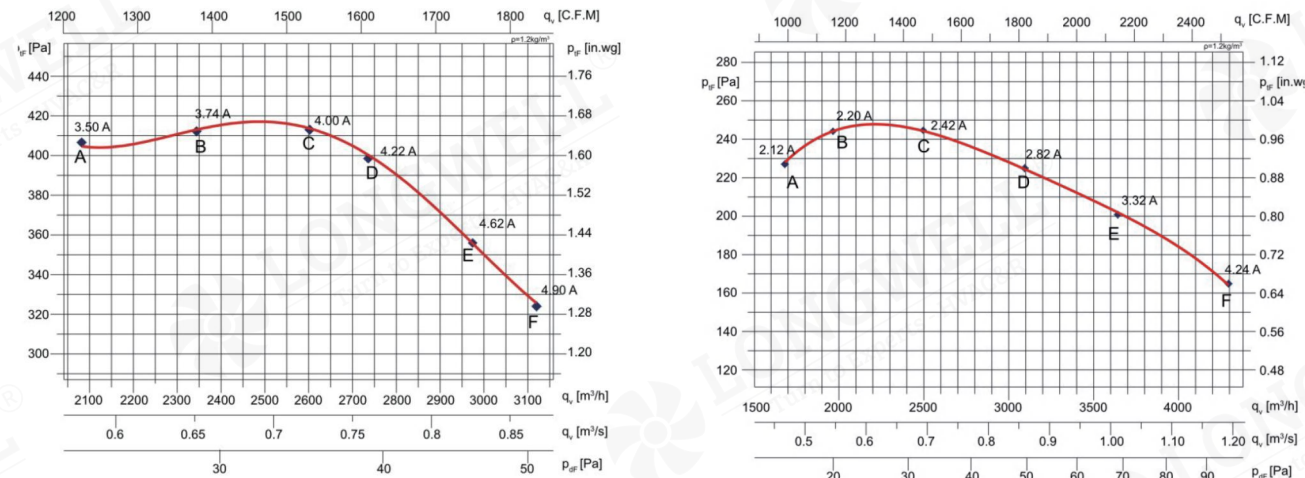
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	60.7	70.6	62.1	62.4	60.5	57.9	48.7	72.5
B	60.8	68.1	61.8	63.6	62.1	59.7	50.7	71.5
C	58.7	63.2	62.6	66.6	65.9	64.4	57.2	72.1
D	59.1	64.0	62.2	66.2	65.3	63.6	56.4	71.8
E	59.9	65.2	65.2	69.5	69.0	67.7	61.6	75.0
F	63.0	68.3	68.9	73.7	72.9	71.5	65.7	78.9

Overall Size



DDBS/DDBM 10-10 Box-type Fan

Technical Specifications



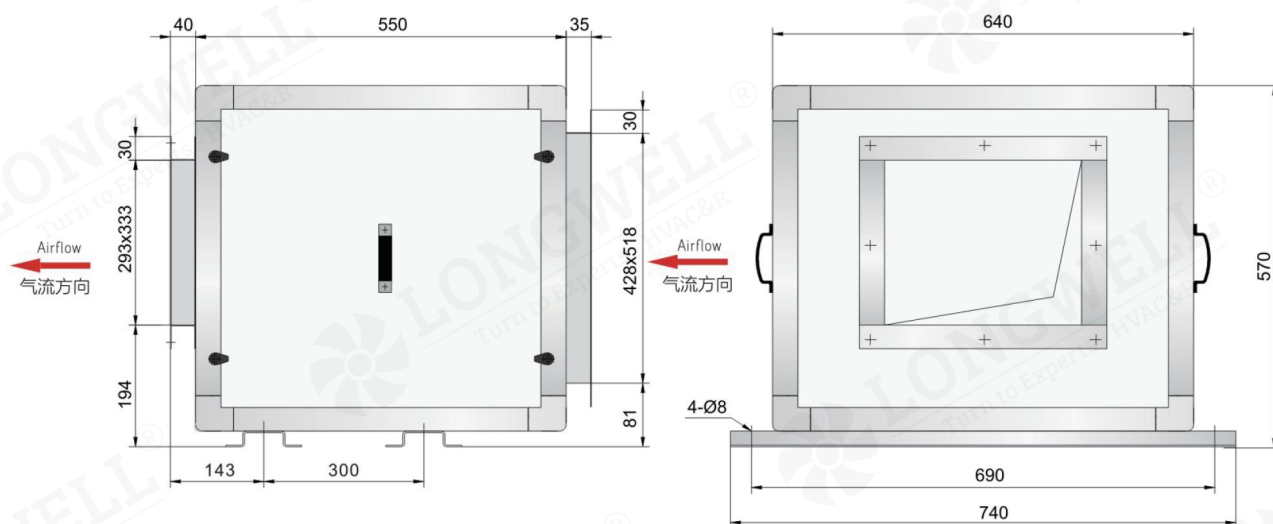
Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 10-10-002	220	50	550W-4P	4.9	18.75	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	63.5	71.3	68.7	69.4	68.1	66.2	59.4	76.0
B	60.6	68.6	70.8	66.6	65.7	63.5	55.8	75.0
C	58.1	66.3	61.9	64.5	63.4	61.1	53.1	71.1
D	56.7	63.6	60.5	63.6	62.4	60.1	52.1	69.6
E	52.9	59.5	58.8	62.4	61.1	58.5	50.1	67.5
F	51.1	57.0	60.3	60.6	59.6	56.9	48.3	66.4

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 10-10-003	220	50	550W-6P	4.7	19.45	IP20

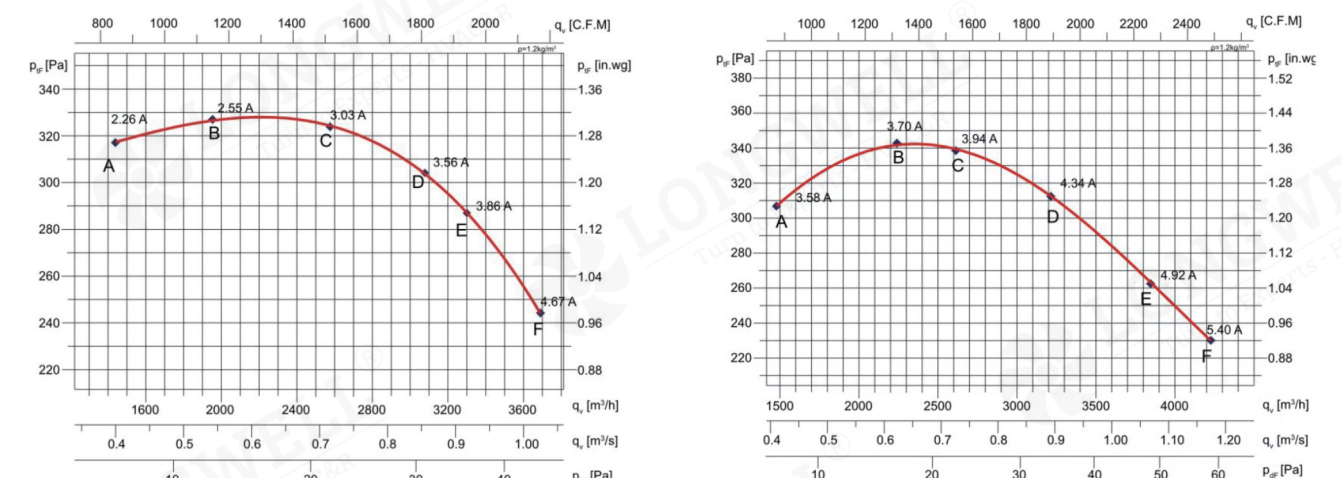
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	66.0	65.6	64.9	75.6	69.0	72.0	72.1	79.4
B	66.0	64.7	64.4	72.8	68.9	71.3	71.0	77.9
C	61.7	64.2	70.7	69.6	67.3	67.6	66.9	76.1
D	60.7	65.7	66.0	72.0	69.7	68.9	65.5	76.6
E	63.0	68.4	69.1	74.9	72.9	72.3	68.9	79.6
F	69.1	72.0	72.9	77.9	77.2	77.1	75.1	83.8

Overall Size



DDBS/DDBM 12-9 Box-type Fan

Technical Specifications



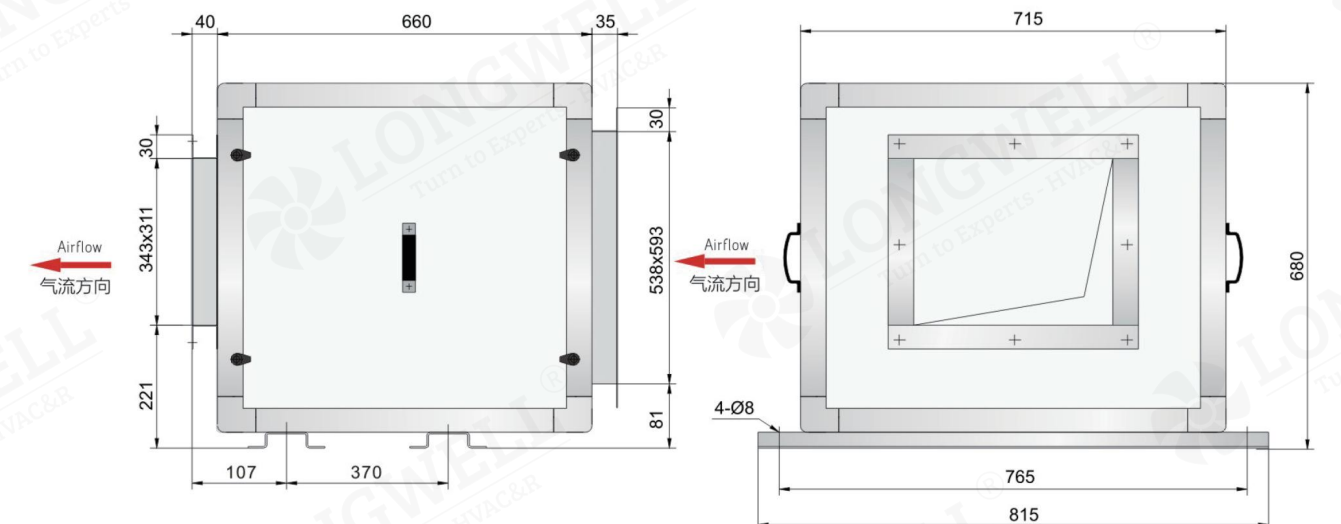
Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 12-9-001	220	50	550W-6P	4.7	22.4	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	60.9	69.7	64.8	66.7	63.8	62.5	52.7	73.5
B	61.6	67.0	64.8	67.4	65.0	64.0	53.6	73.2
C	61.4	66.7	66.5	68.5	66.7	65.8	55.1	74.2
D	60.6	65.6	68.6	70.1	68.4	68.3	57.5	75.6
E	61.8	65.5	68.8	70.8	69.4	69.5	59.4	76.3
F	62.6	65.5	69.7	71.8	70.7	71.1	62.4	77.5

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 12-9-002	220	50	750W-6P	5.4	22.8	IP20

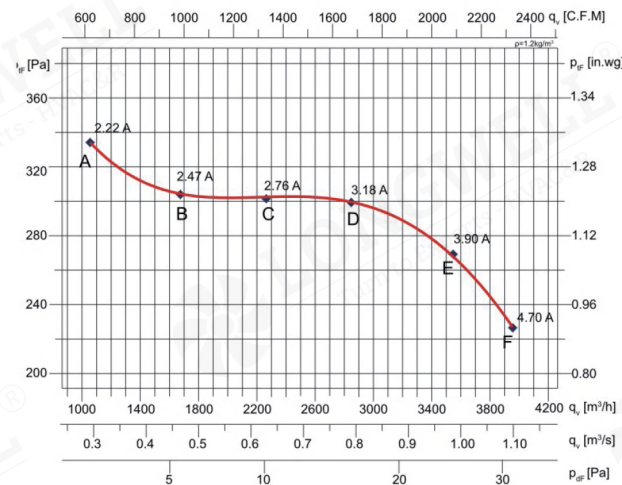
Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L ₁₀₀ dB(A)
A	61.9	66.3	65.4	67.4	63.9	62.4	52.7	72.8
B	62.2	66.2	65.7	68.1	65.3	64.3	55.1	73.5
C	62.3	67.0	66.6	68.9	66.3	65.6	56.8	74.4
D	65.8	68.1	69.3	71.5	68.8	68.4	60.3	76.8
E	63.8	71.7	71.9	75.0	72.3	71.7	63.8	79.9
F	62.4	70.0	72.1	76.2	73.5	73.2	65.4	80.7

Overall Size



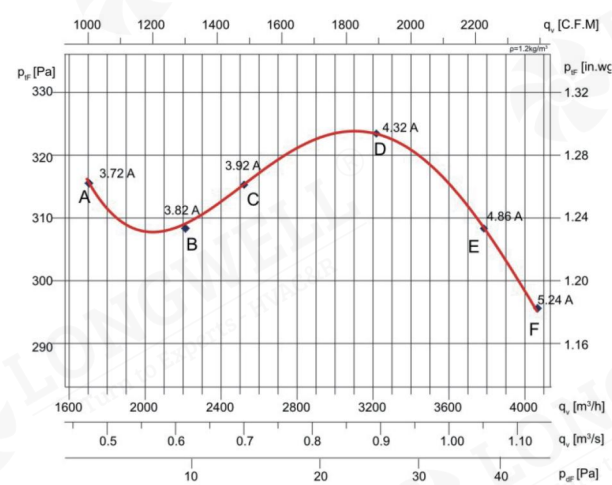
DDBS/DDBM 12-12 Box-type Fan

Technical Specifications



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 12-12-001	220	50	550W-6P	4.7	22.8	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	61.3	71.6	65.7	66.2	64.4	62.7	54.0	74.5
B	62.0	65.7	64.8	65.9	63.5	61.5	52.6	72.1
C	61.7	67.4	64.3	65.9	64.0	62.3	53.0	72.5
D	61.8	66.7	65.2	66.9	65.7	64.0	54.3	73.2
E	61.9	64.1	66.2	67.2	66.0	64.4	55.6	73.1
F	61.2	64.0	66.9	68.0	67.3	65.9	58.3	74.0



Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Weight (kg)	Protection Class
DDBS/DDBM 12-12-002	220	50	750W-6P	5.4	24.4	IP20

Duty Point	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L _{WA} dB(A)
A	64.3	80.8	68.7	65.6	64.1	62.1	54.3	81.4
B	64.9	83.8	66.8	66.2	64.4	62.2	54.2	84.1
C	62.2	72.3	70.4	69.3	64.9	63.4	55.3	76.4
D	62.5	73.0	65.8	66.9	66.1	64.8	56.2	75.8
E	62.9	71.7	67.4	68.1	67.8	66.6	61.0	76.1
F	62.4	67.3	67.8	68.8	69.0	67.8	62.9	75.6

Overall Size

