

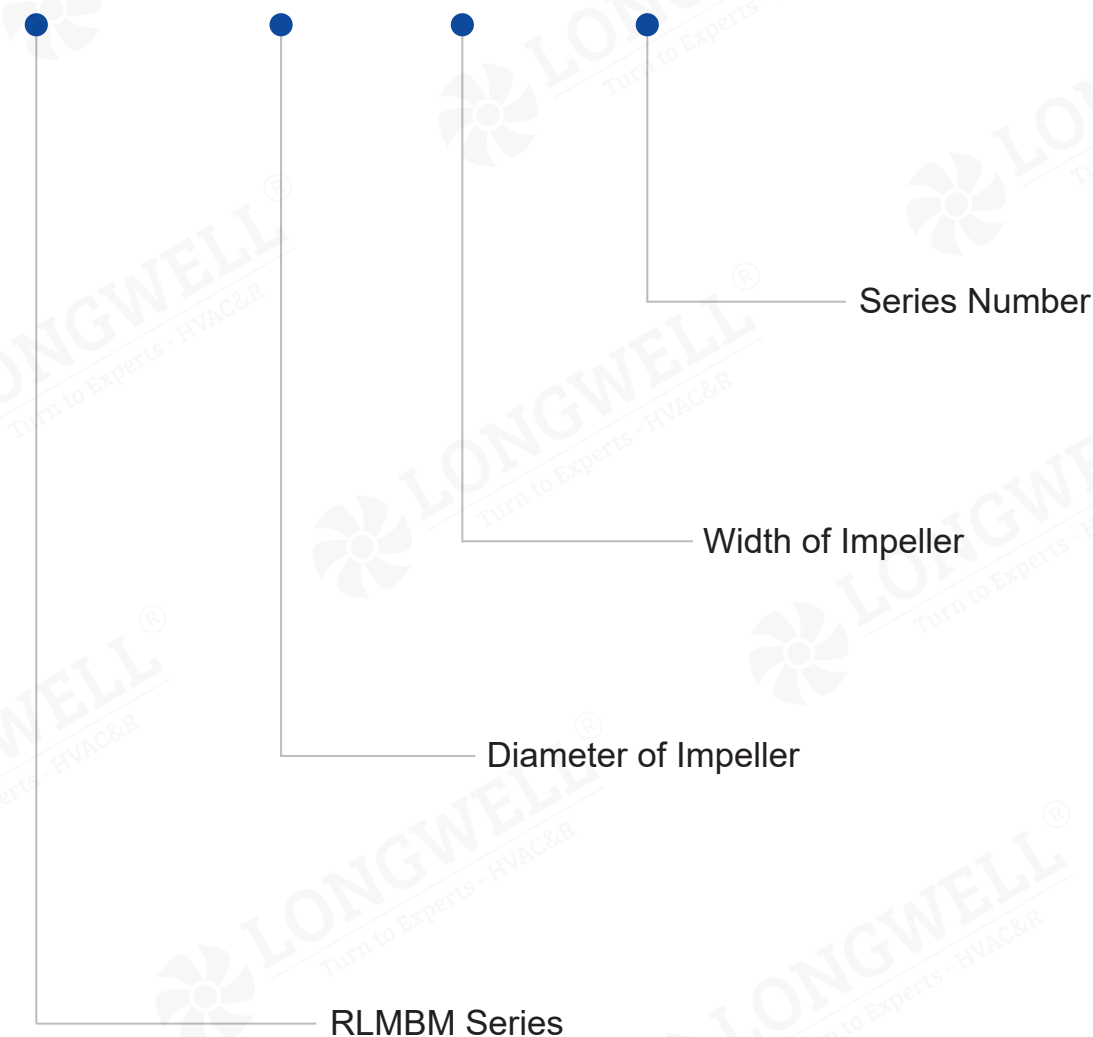
RLMBM Series Box-type Fan

Professional HVAC Fan & Motors Manufacturer



Type Code

RLMBM 10 - 10 - 001



The 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

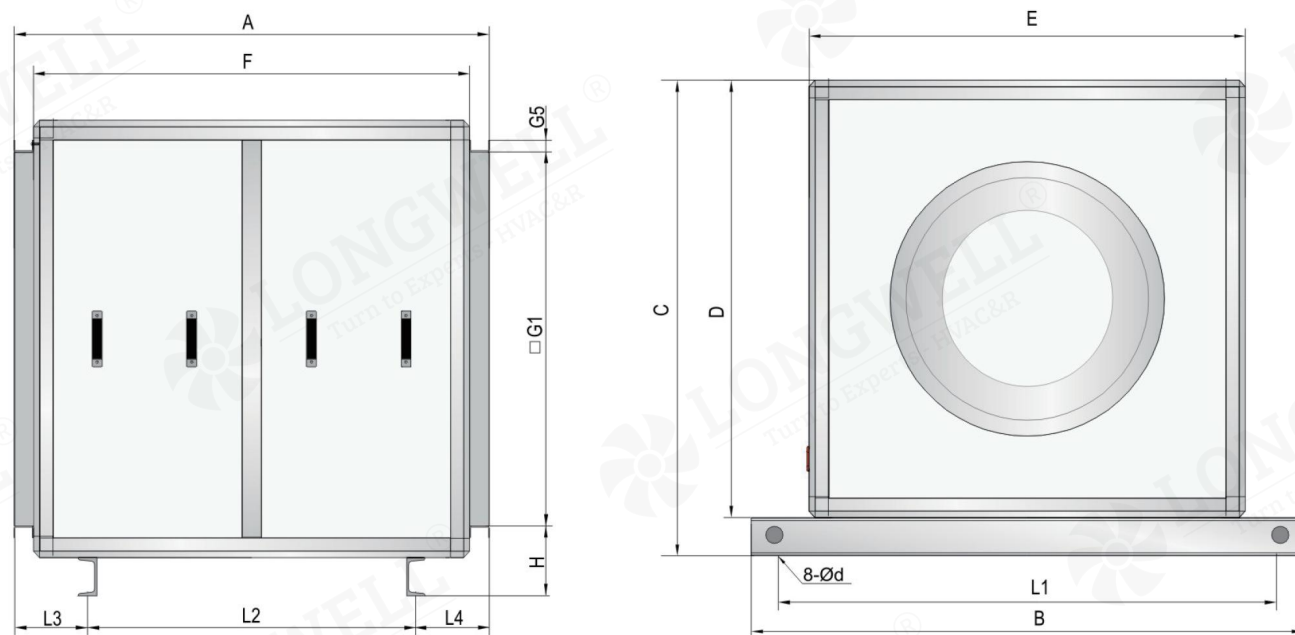
Each wheel must be statically and dynamically balanced to the level of G2.5.

Extend bearing life, decrease shaft vibration and fan noise.

Dual-purpose fans are double inlet centrifugal cabinet fan, The wheel of RLMBM is backward inclined type. The structure of the fan is aluminum frame with insulated painted steep wall 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.

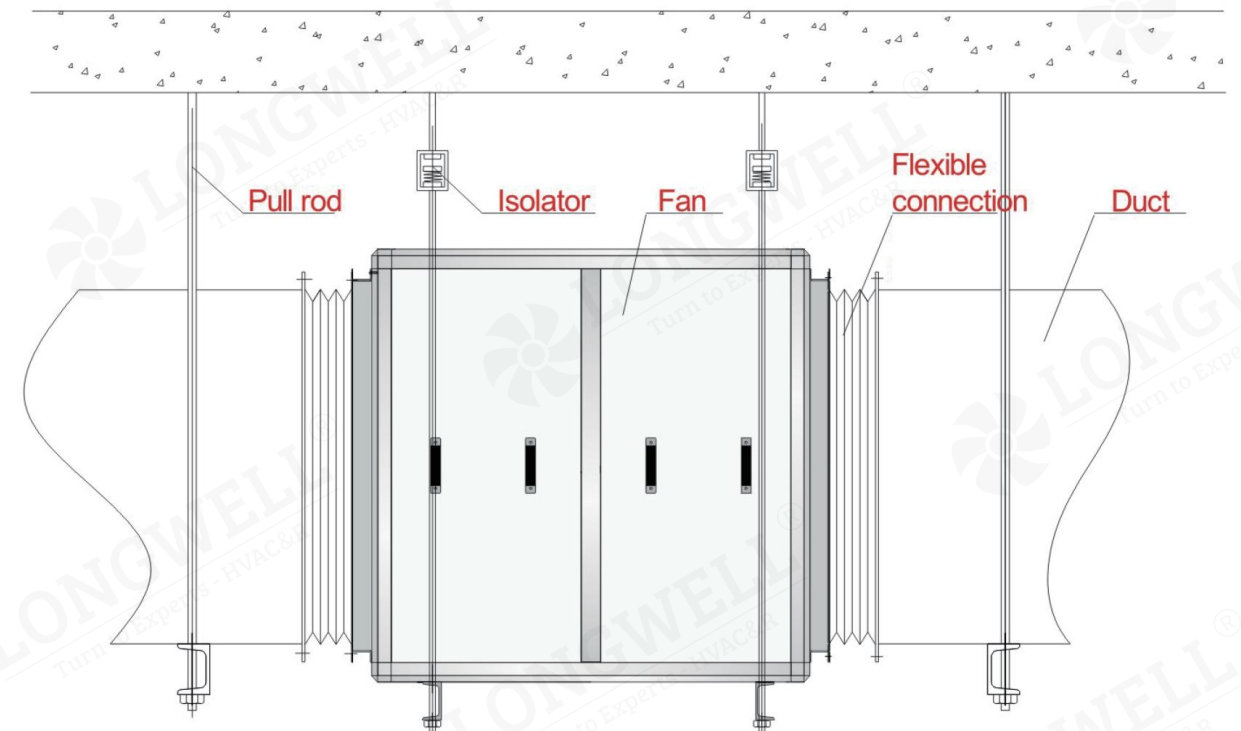
RLMBM Series Fan Overall Dimension



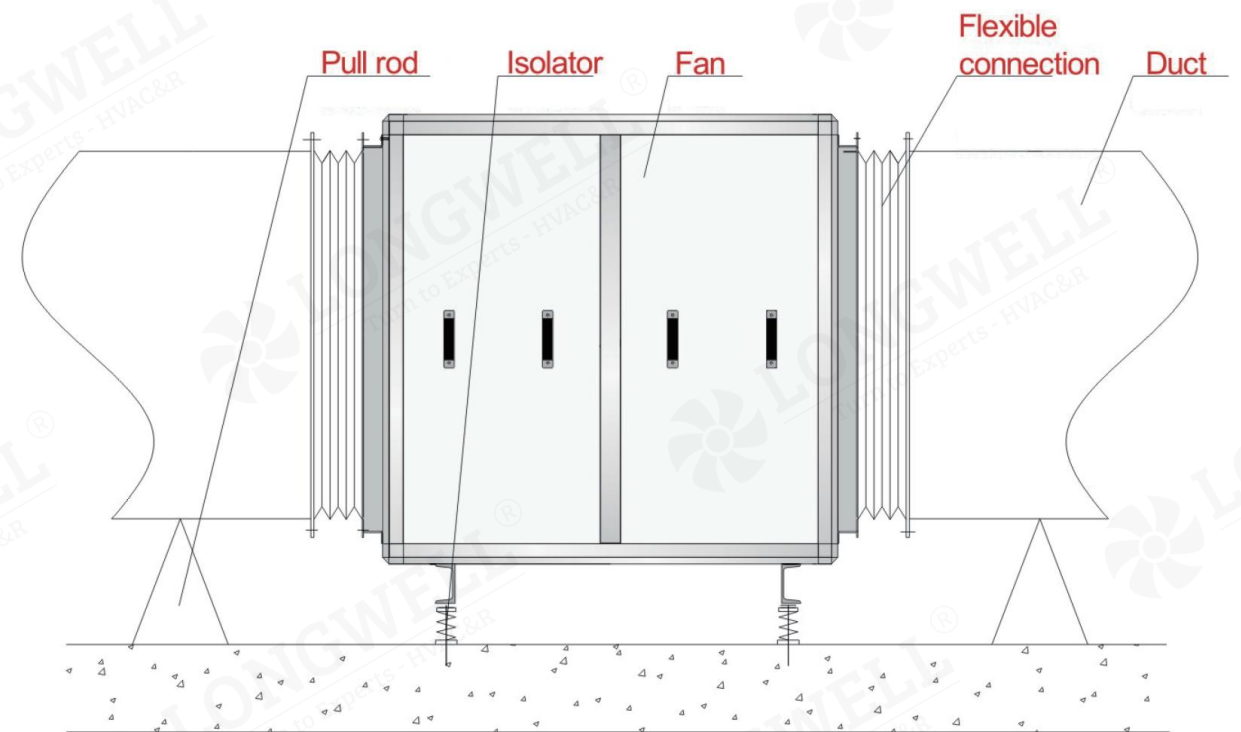
Unit:mm

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

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

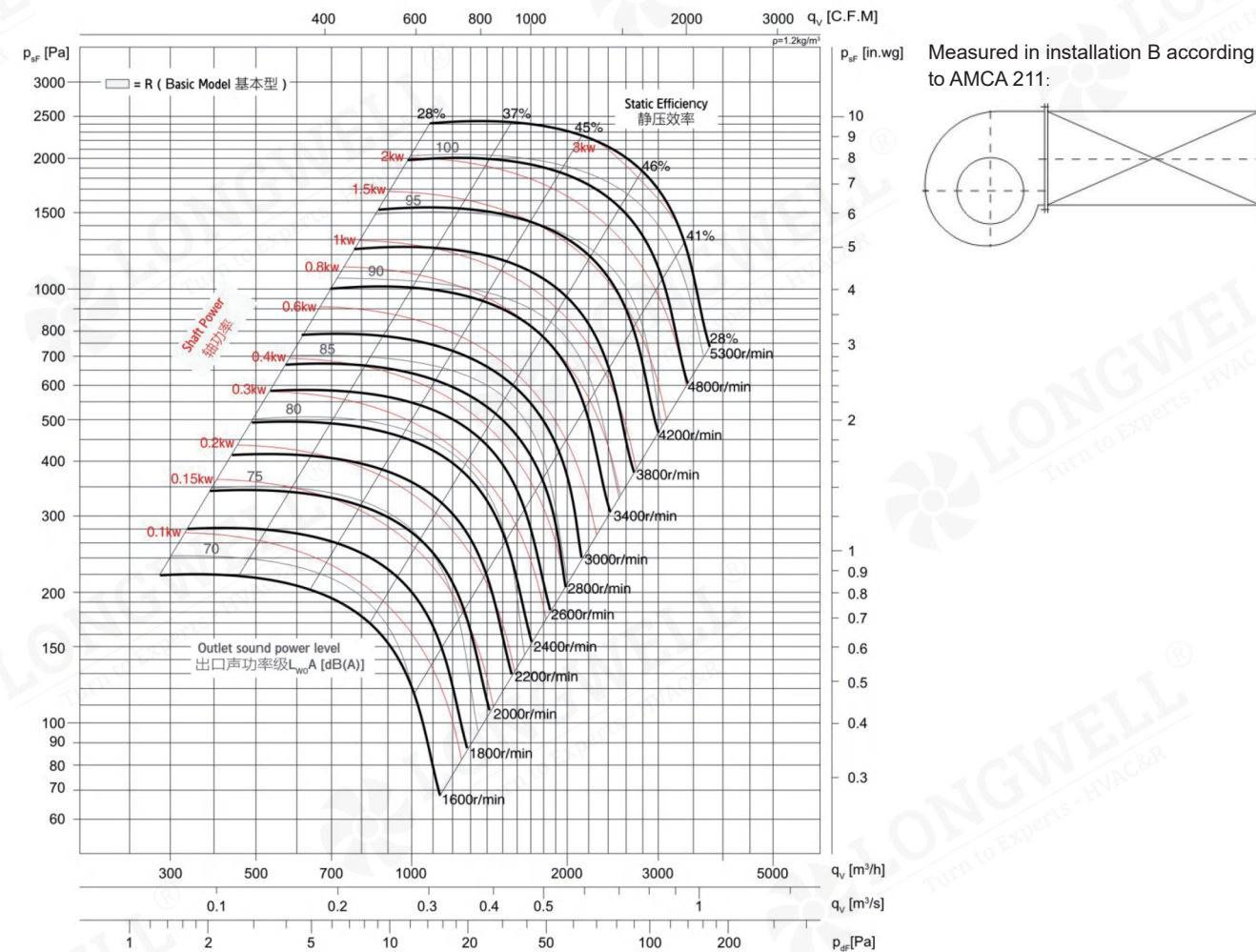
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49	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	Moment of Inertia	Speed Limit	Fan Weight
250mm	0.02kg·m²	5300r/min	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

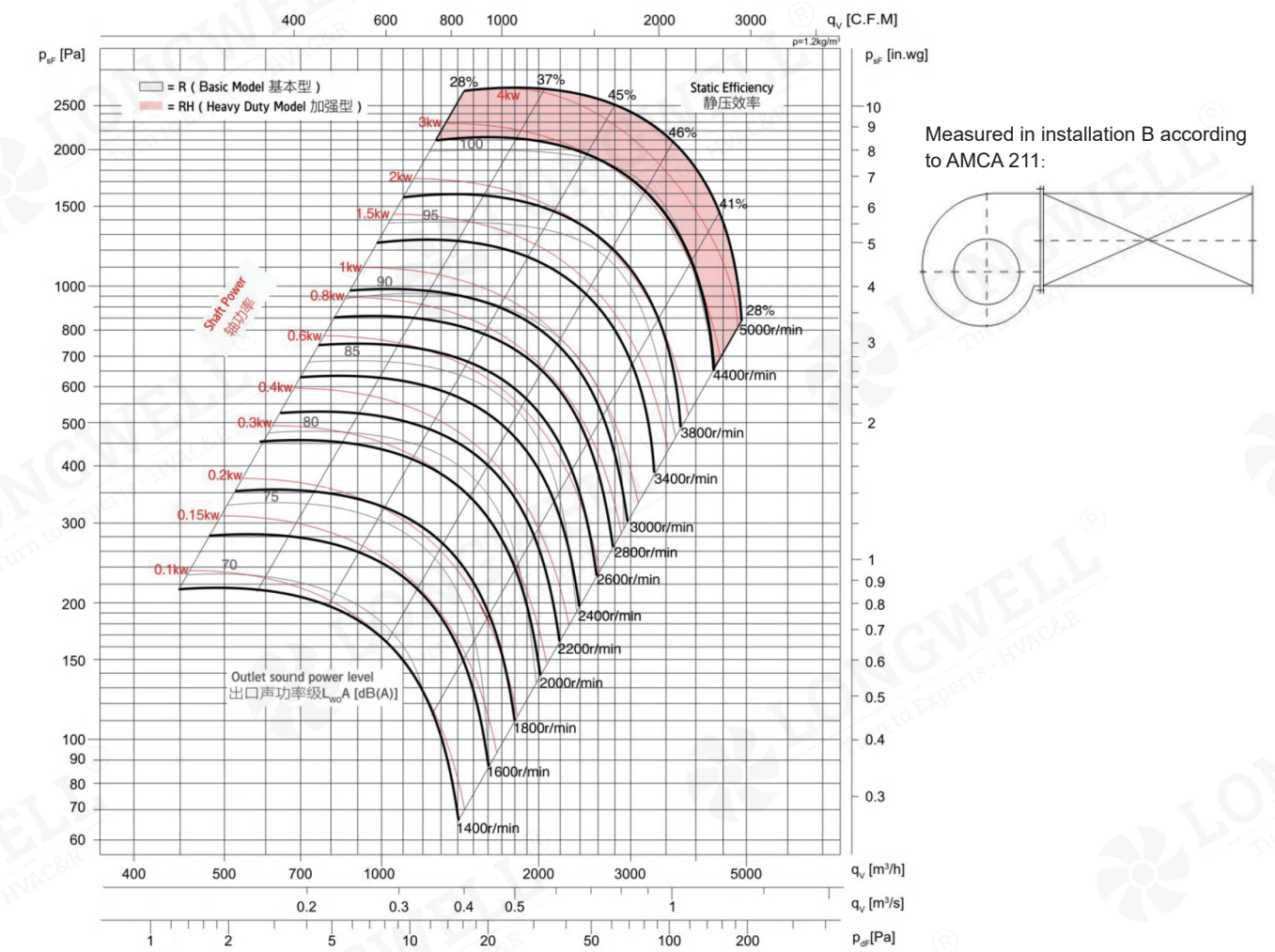
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49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

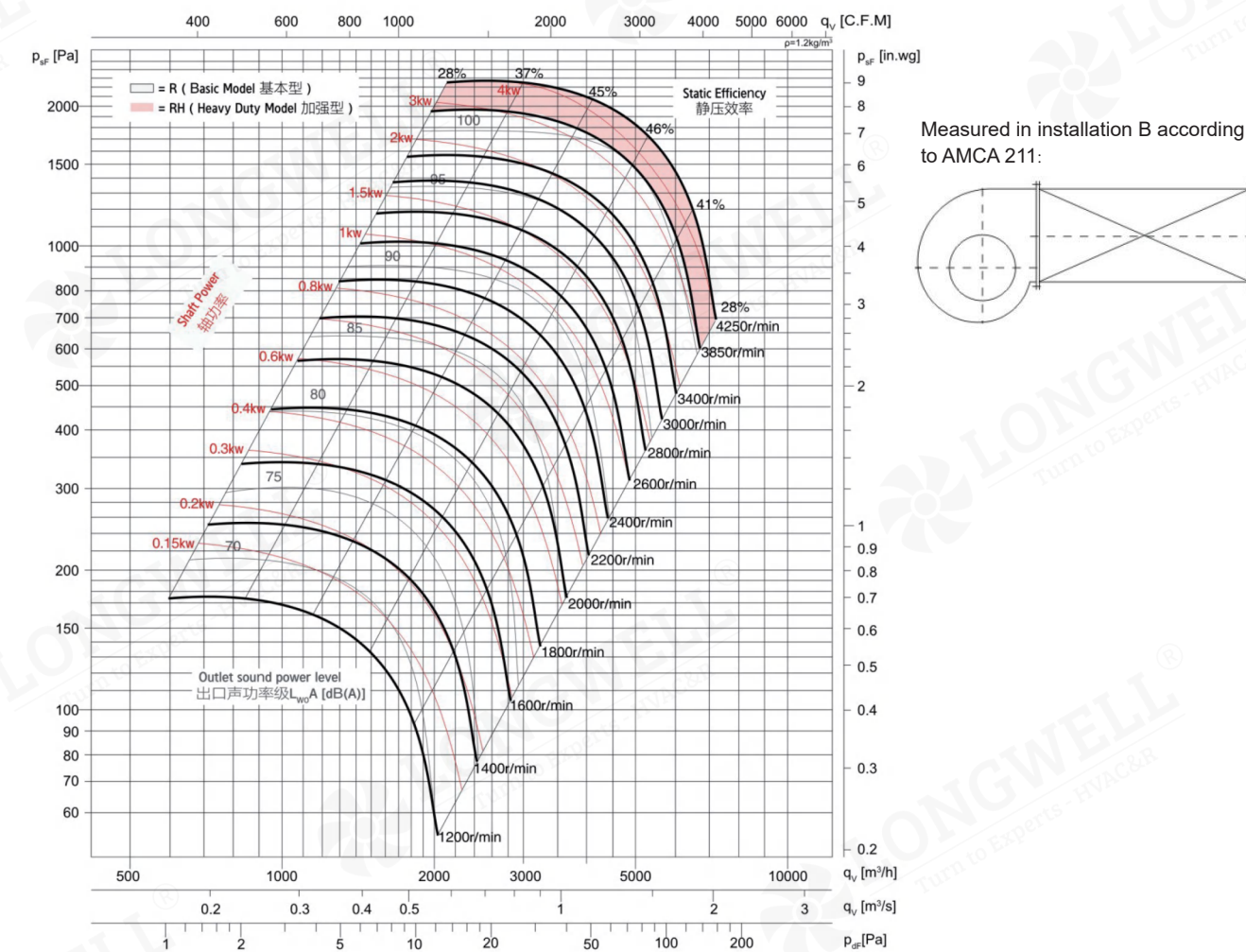
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49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

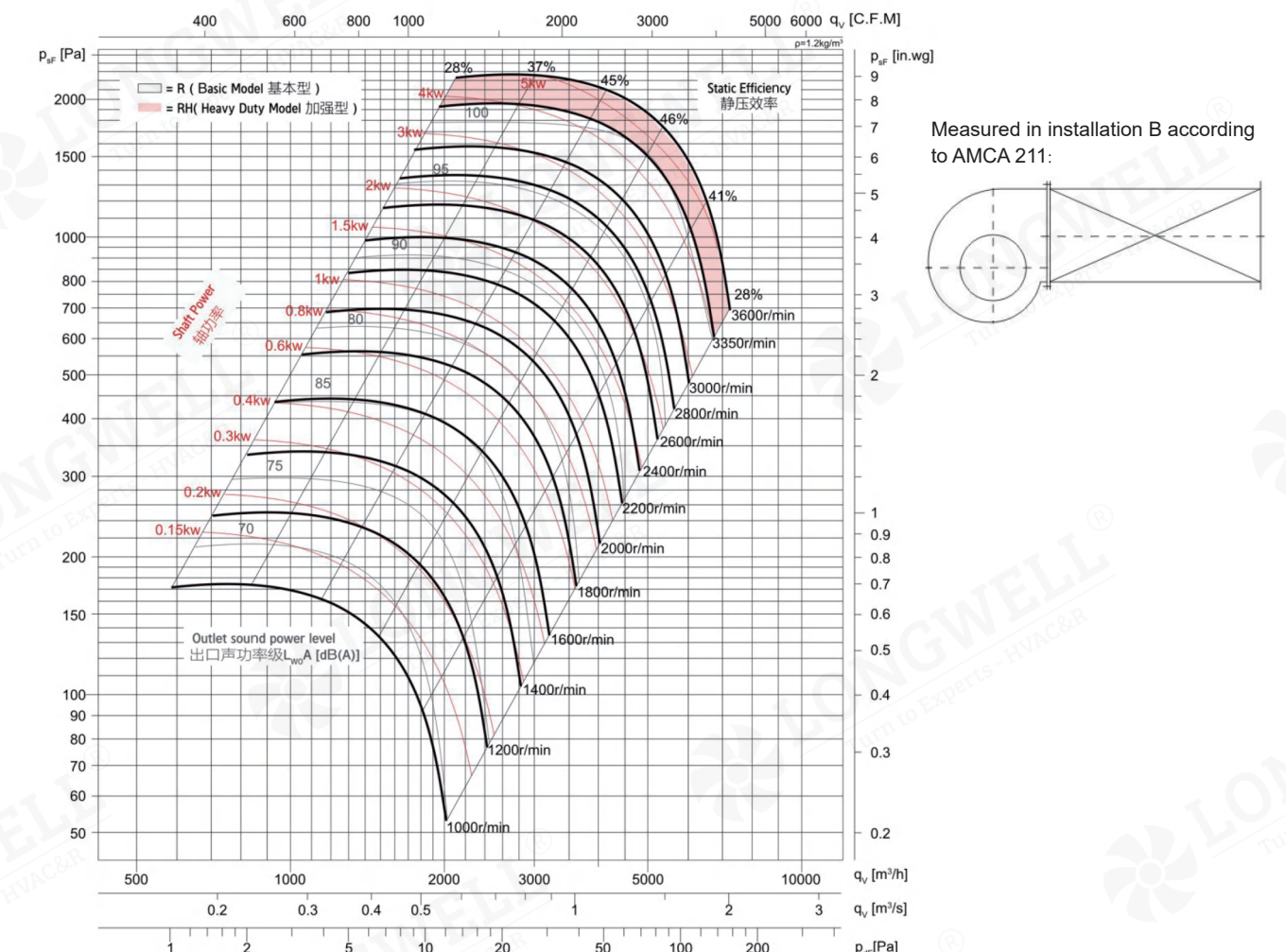
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49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

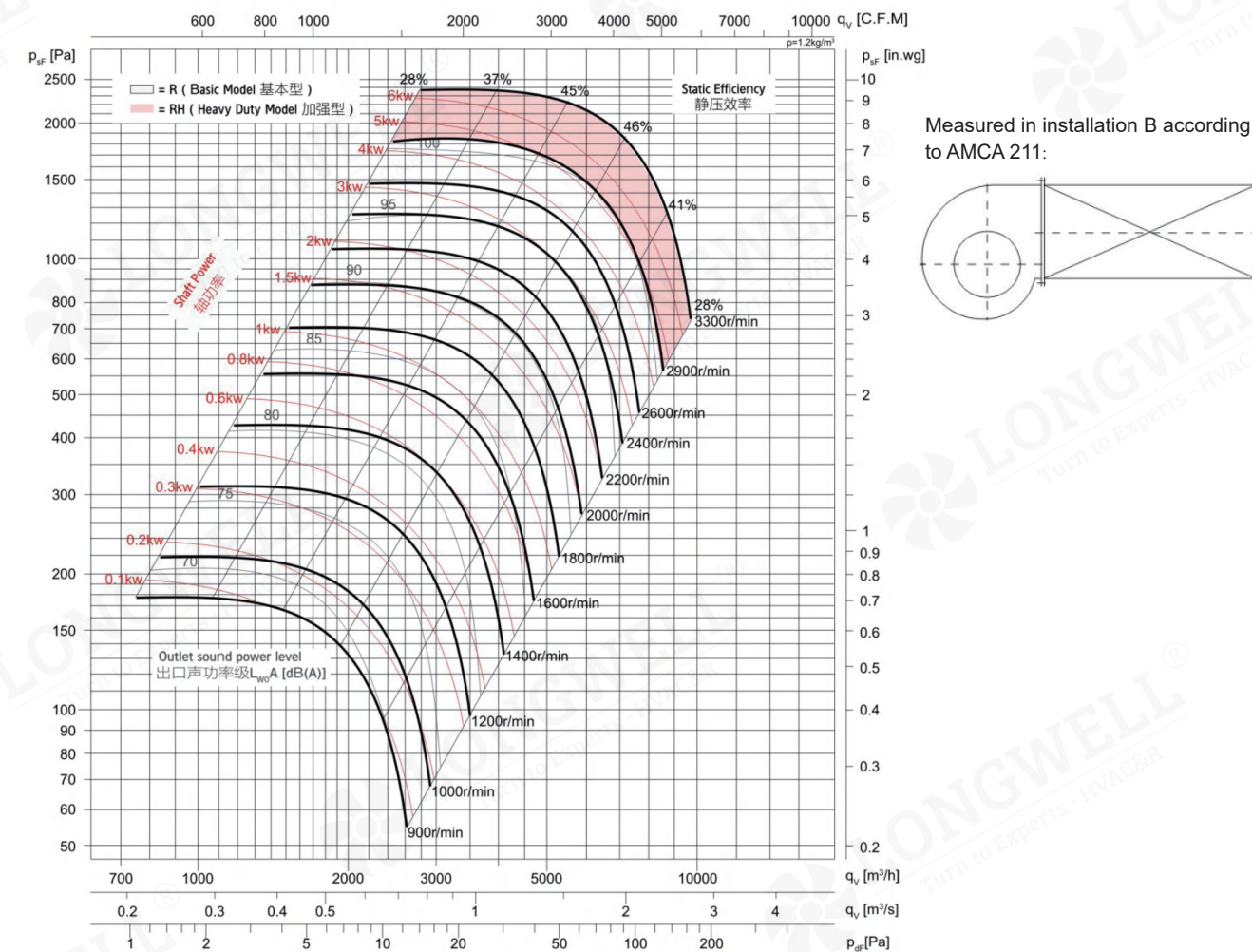
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
28%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
37%	-45	-36	-32	-25	-26	-26	-32	-33	dB(A)
45%	-48	-40	-32	-25	-26	-25	-31	-34	dB(A)
46%	-48	-41	-32	-26	-26	-25	-31	-33	dB(A)
41%	-48	-43	-35	-27	-25	-24	-31	-40	dB(A)
28%	-49	-45	-38	-28	-25	-24	-32	-49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

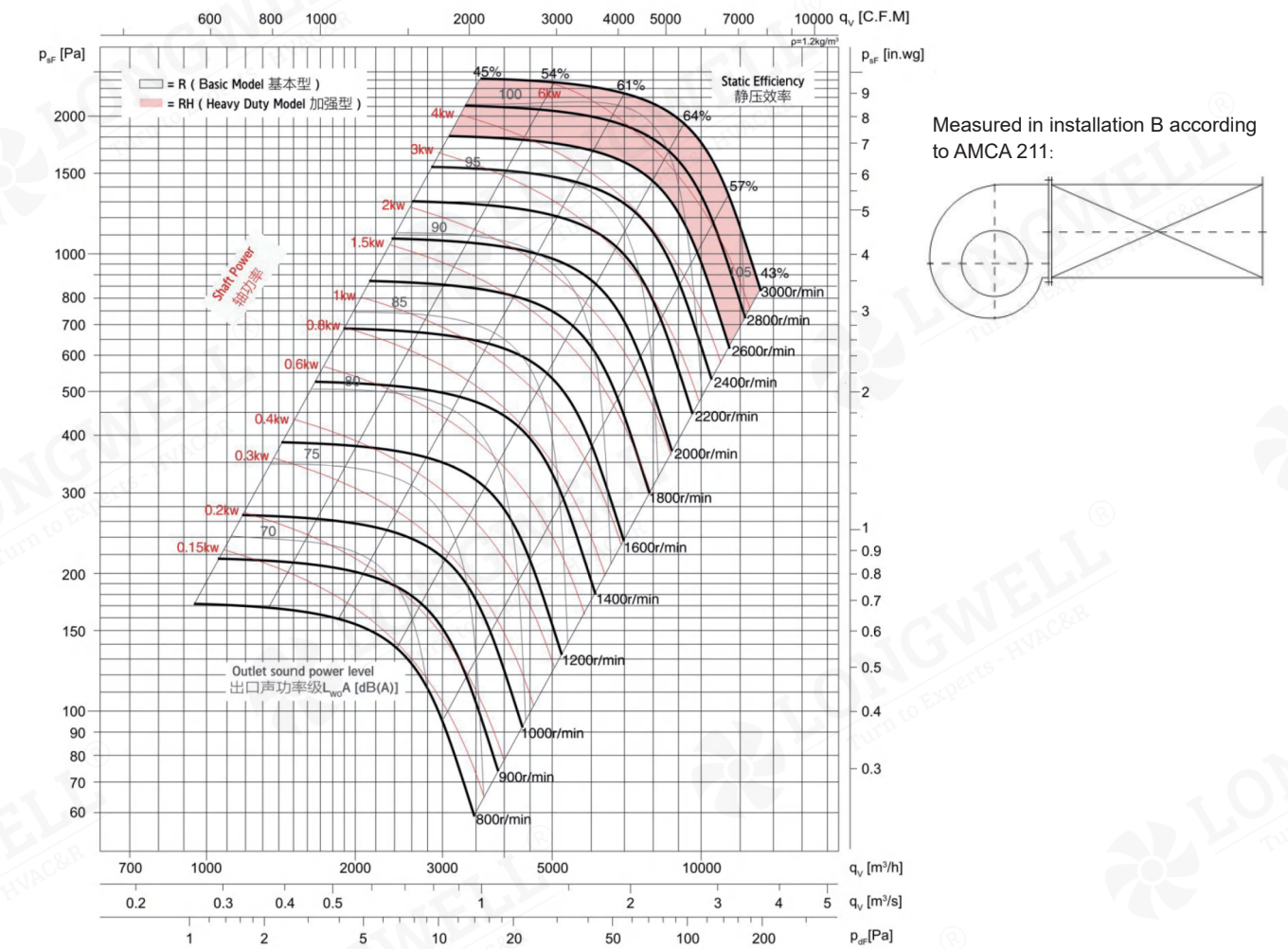
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-6	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
43%	-61	-45	-35	-28	-24	-25	-32	-44	dB(A)

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

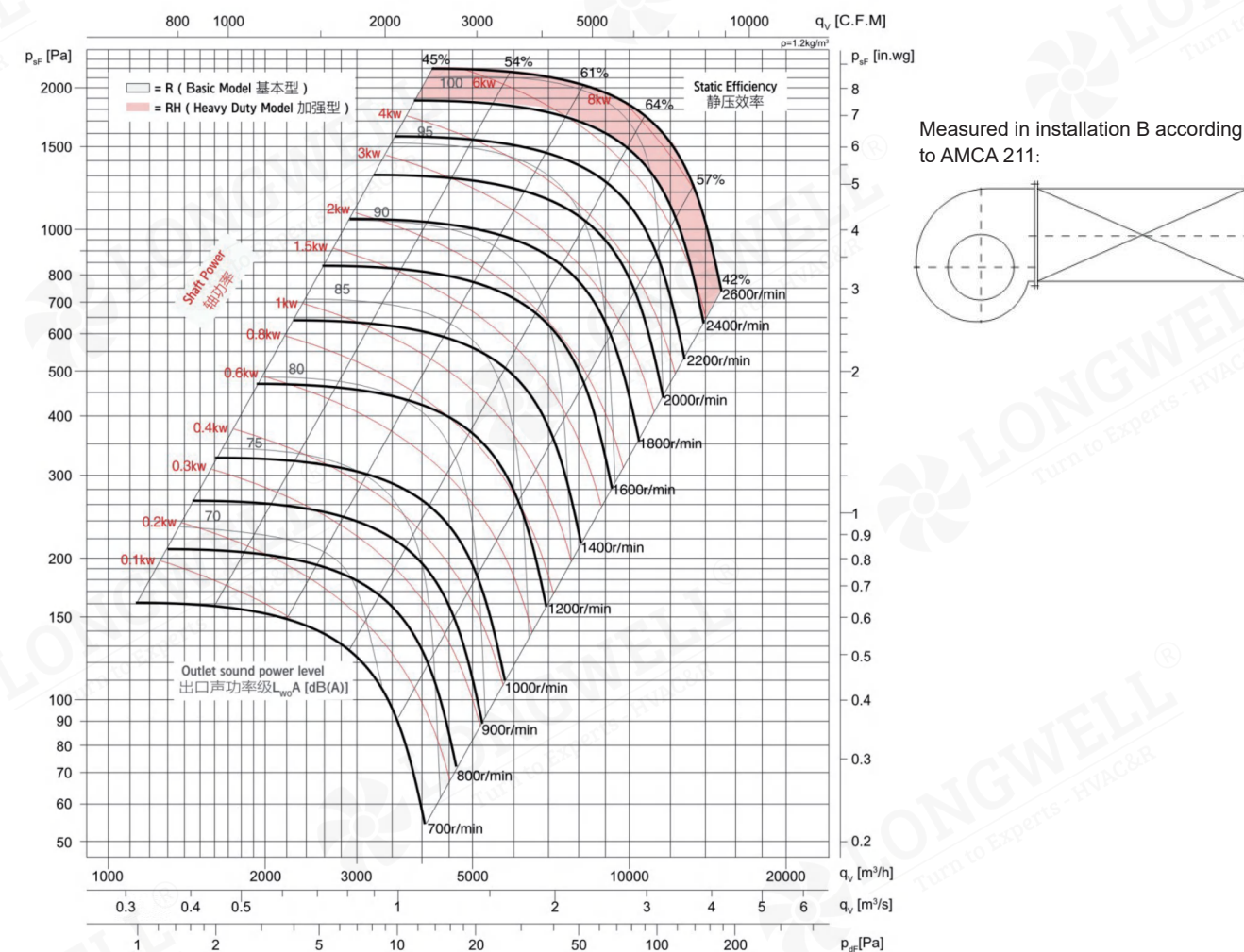
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44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

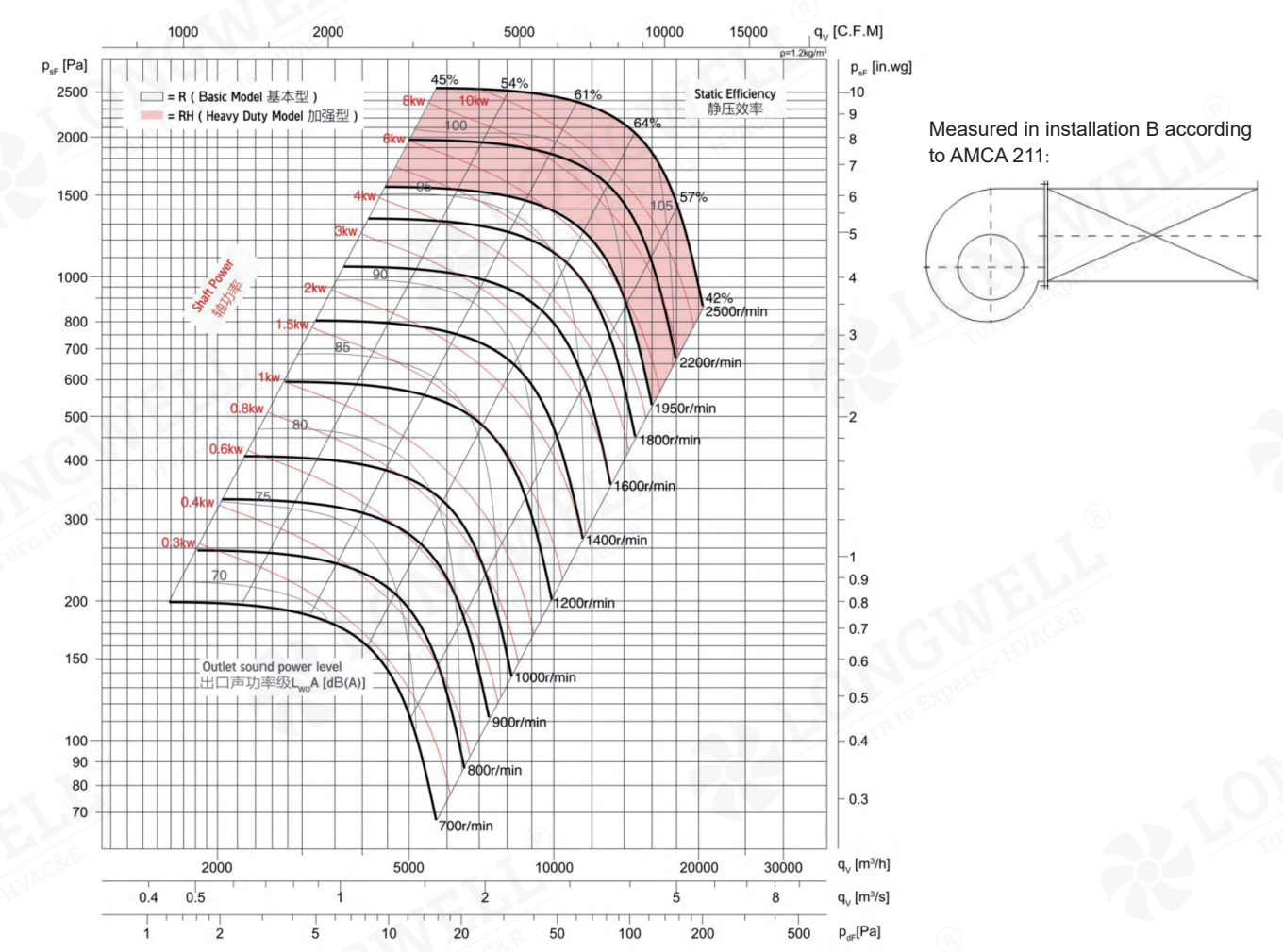
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44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

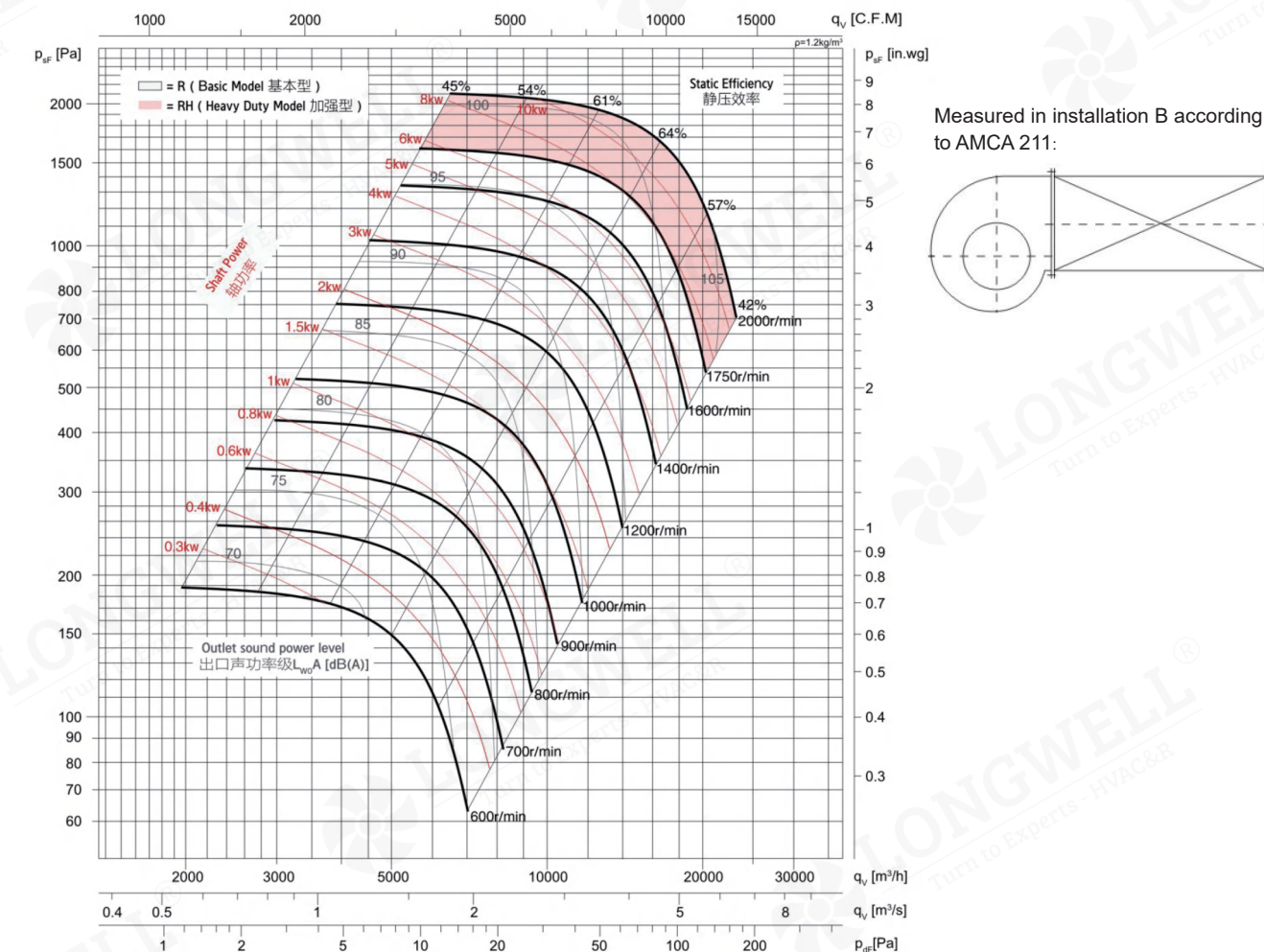
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-53	-33	-29	-28	-24	-27	-34	-42	dB(A)
54%	-54	-35	-30	-27	-24	-27	-34	-42	dB(A)
61%	-55	-38	-32	-27	-24	-26	-33	-42	dB(A)
64%	-58	-43	-34	-27	-24	-26	-33	-42	dB(A)
57%	-60	-44	-34	-28	-24	-25	-32	-43	dB(A)
42%	-61	-45	-35	-28	-24	-25	-32	-44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

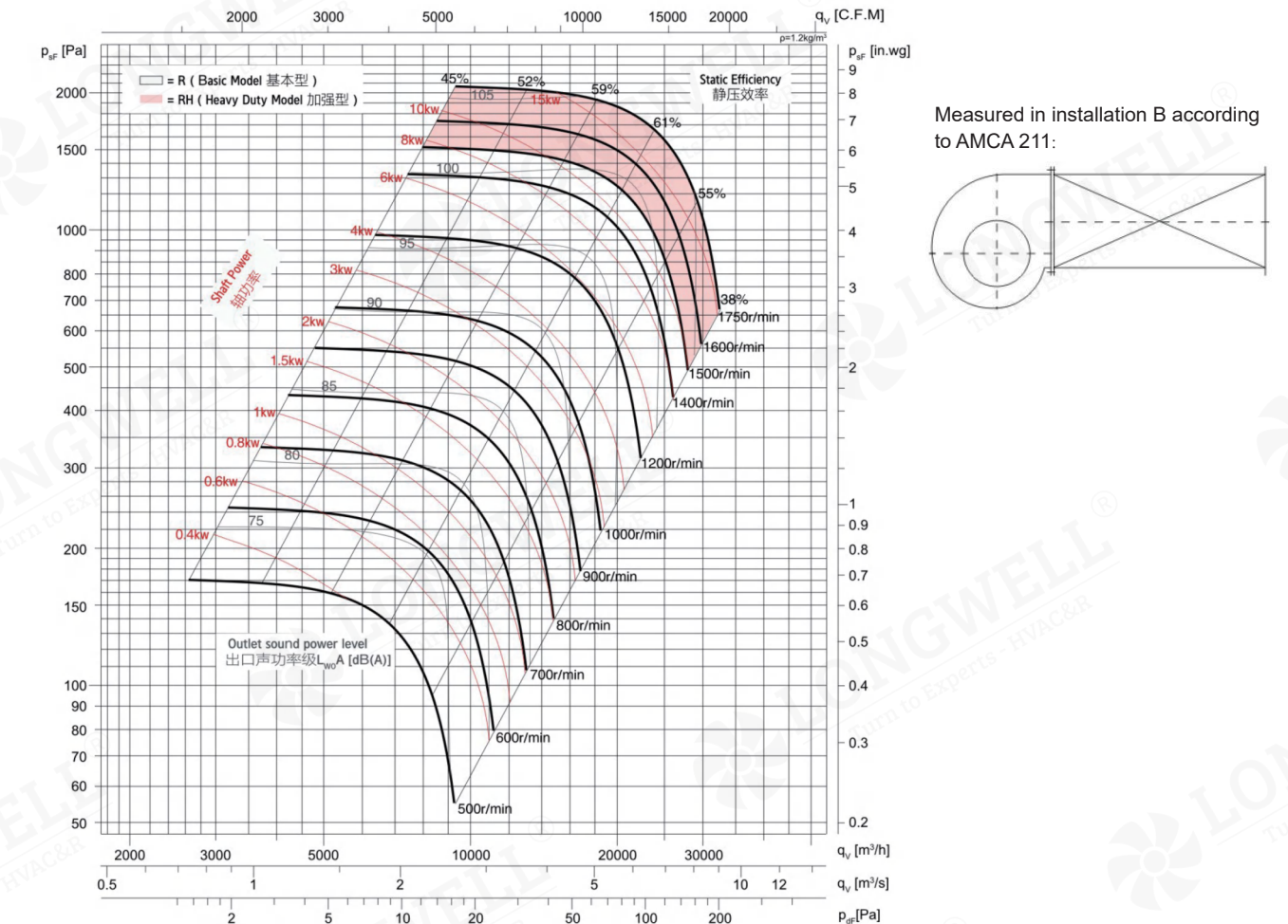
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32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

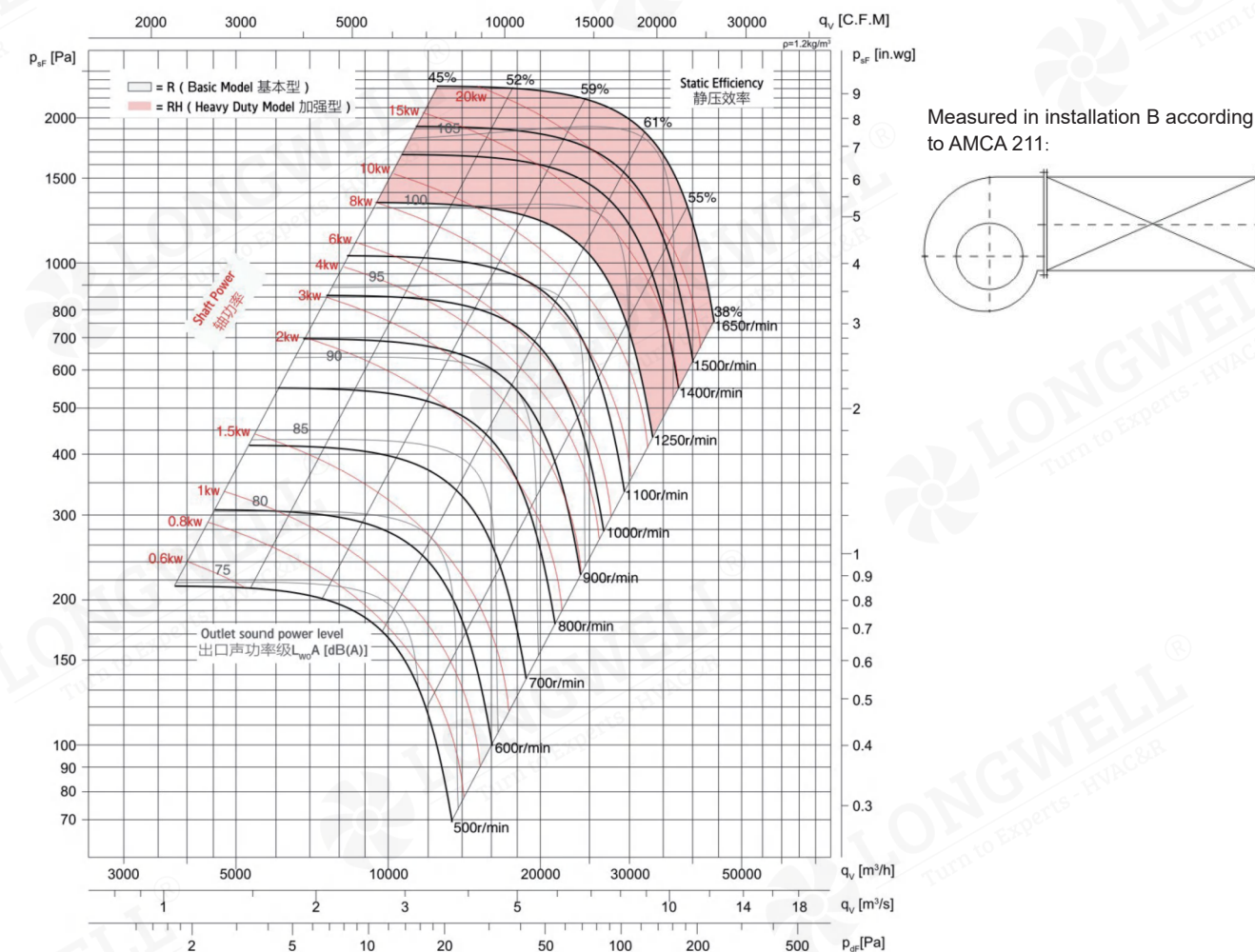
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-51	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32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

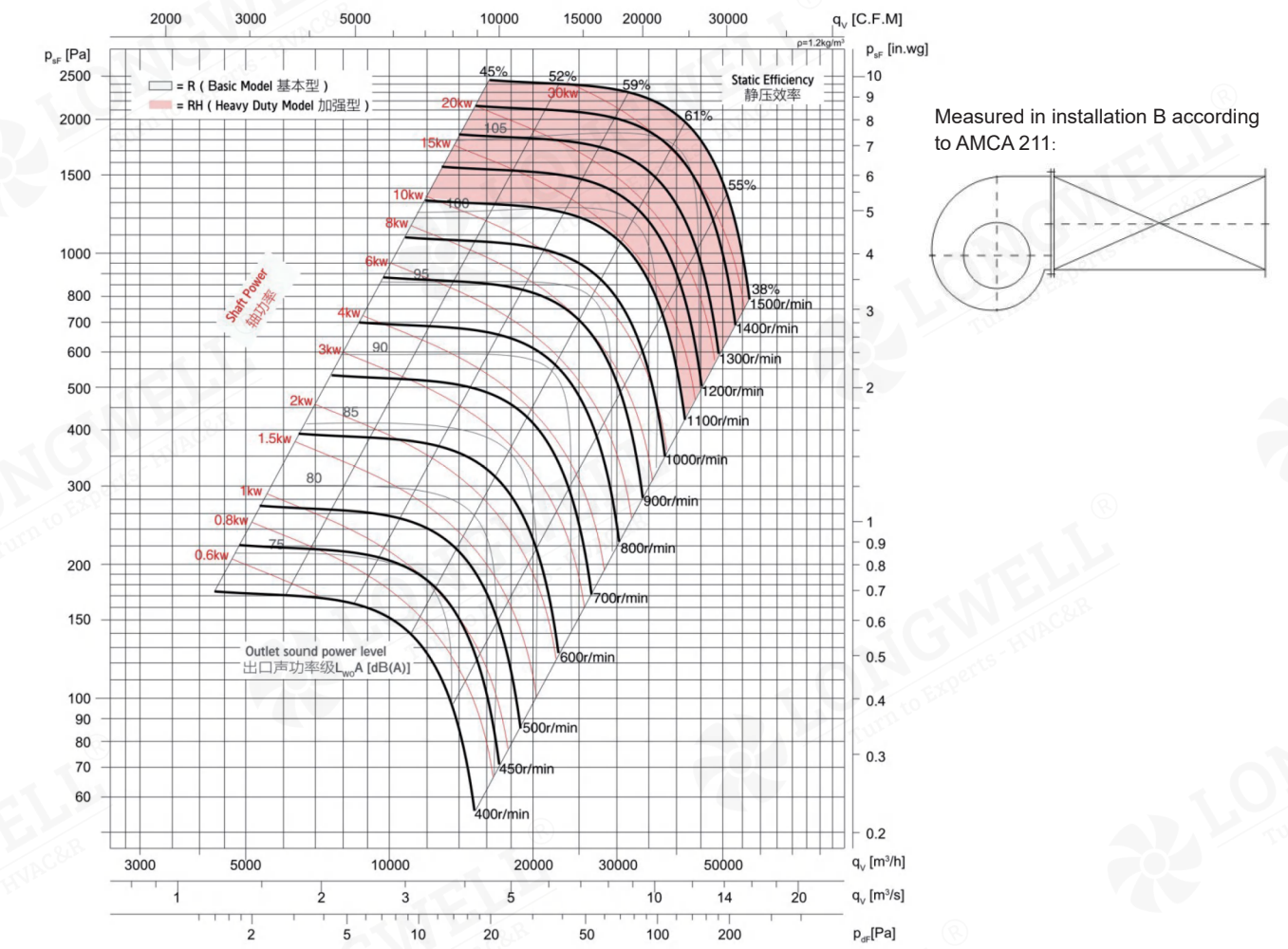
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-41	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-26	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32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

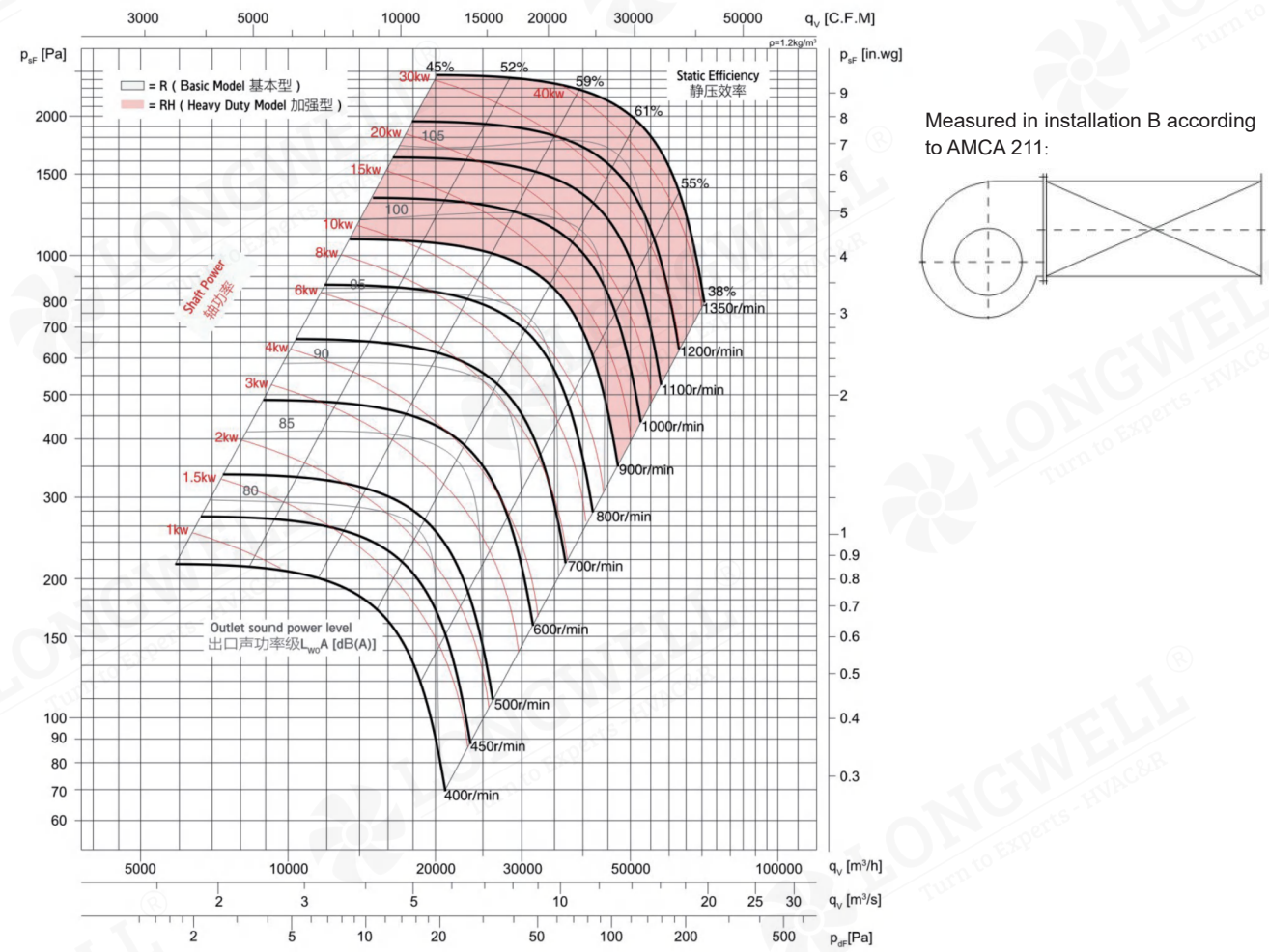
Total Efficiency	63	125	250	500	1000	2000	4000	8000	Hz
45%	-38	-31	-27	-28	-27	-28	-30	-36	dB(A)
52%	-51	-31	-26	-28	-27	-28	-30	-35	dB(A)
59%	-38	-32	-27	-28	-26	-27	-29	-34	dB(A)
61%	-36	-32	-28	-29	-26	-27	-29	-34	dB(A)
55%	-35	-33	-29	-29	-26	-27	-28	-33	dB(A)
38%	-37	-35	-30	-30	-26	-27	-27	-32	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 Intemational Standard 301.Values shown are for inlet Lwi 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