

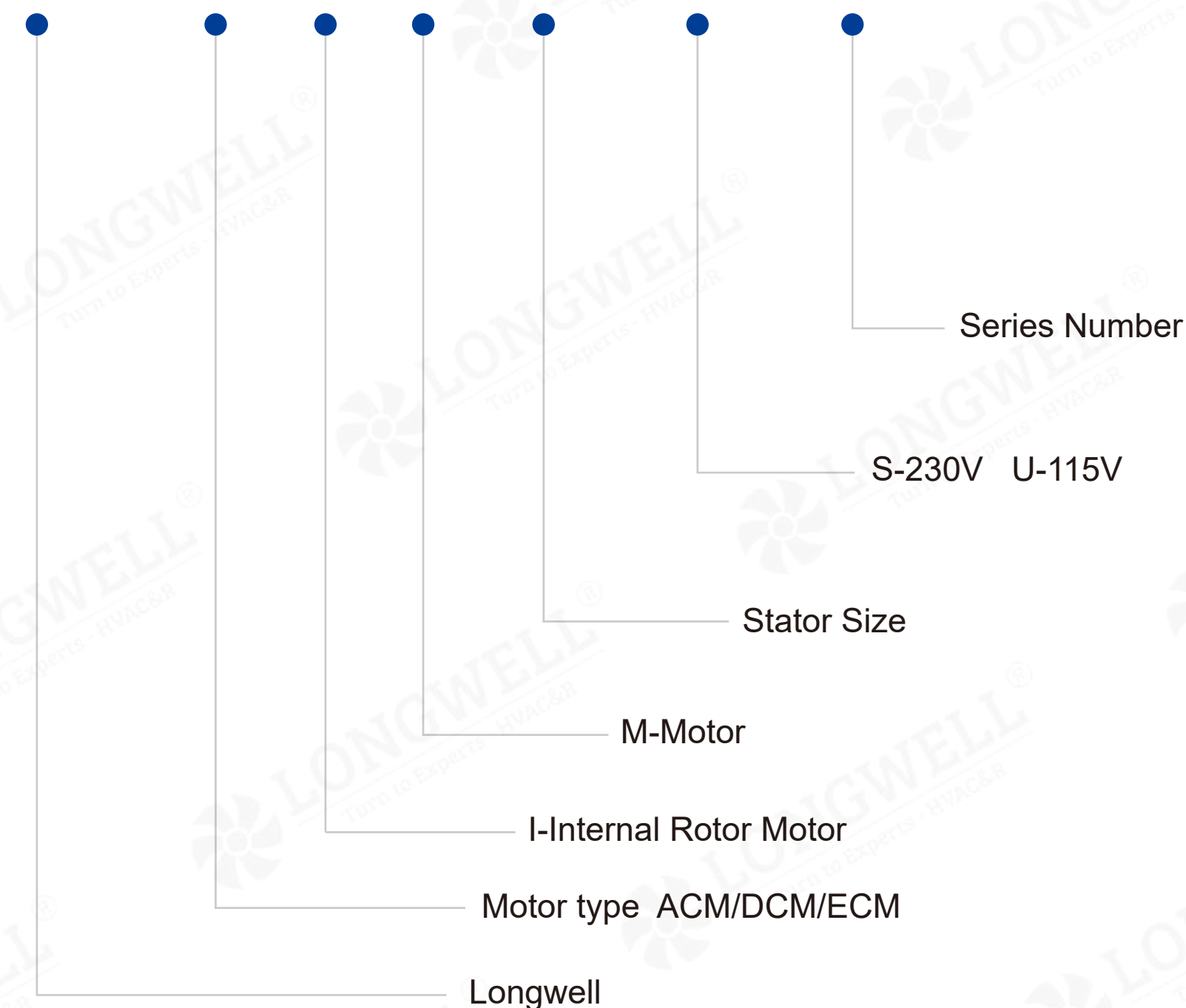
Capacitor Motor

Professional HVAC Fan & Motors Manufacturer



Type Code

LW - AC (I) M 059 S(U) - 01



LW-AC(I)M59 Series

Product Characteristic

- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Exhaust Fan / Cooker Hood

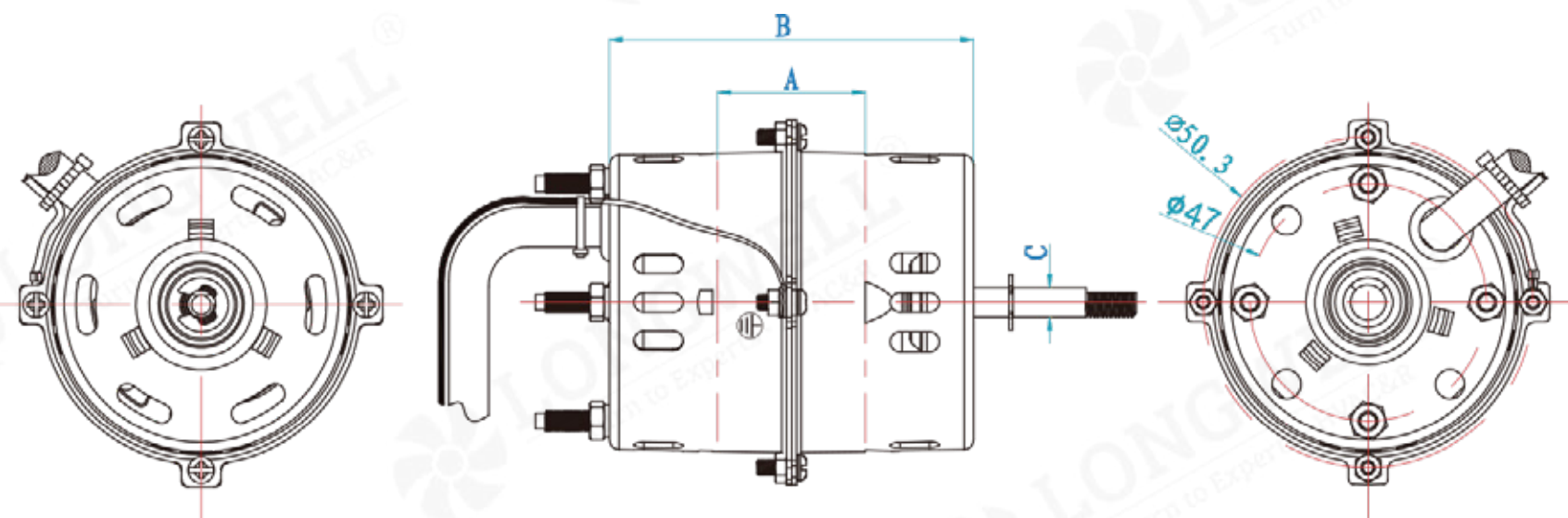


Technical Specifications

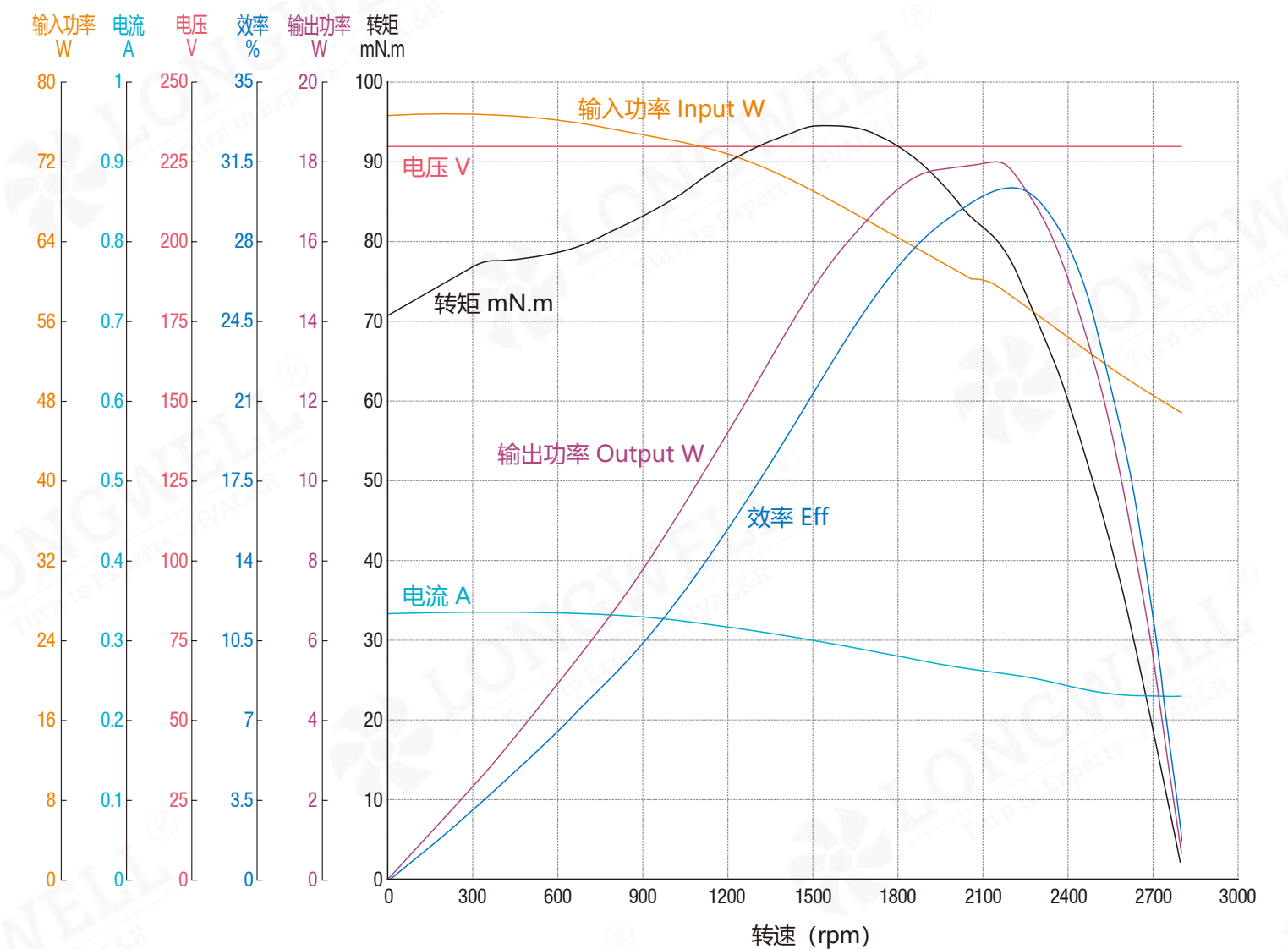
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(W)	Max. Output Power(W)
LW-AC(I)M059S(U)-01	30	74.5	Φ6	100-127/220-240	50/60	94.5	78	18

Performance Parameter (Take stack 30mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	229.93	0.23	46.907	2.268	2799.09	0.665	1.42	0.885	50
Max Eff	229.73	0.259	58.611	77.453	2194.28	17.797	30.37	0.985	50
Max Output Power	229.70	0.262	59.463	79.91	2148.67	17.98	30.24	0.987	50
Max Torque	229.64	0.297	67.878	94.483	1573.85	15.572	22.94	0.997	50



Curve Chart



LW-AC(I)M60 Series

Product Characteristic

- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Exhaust Fan / Cooker Hood

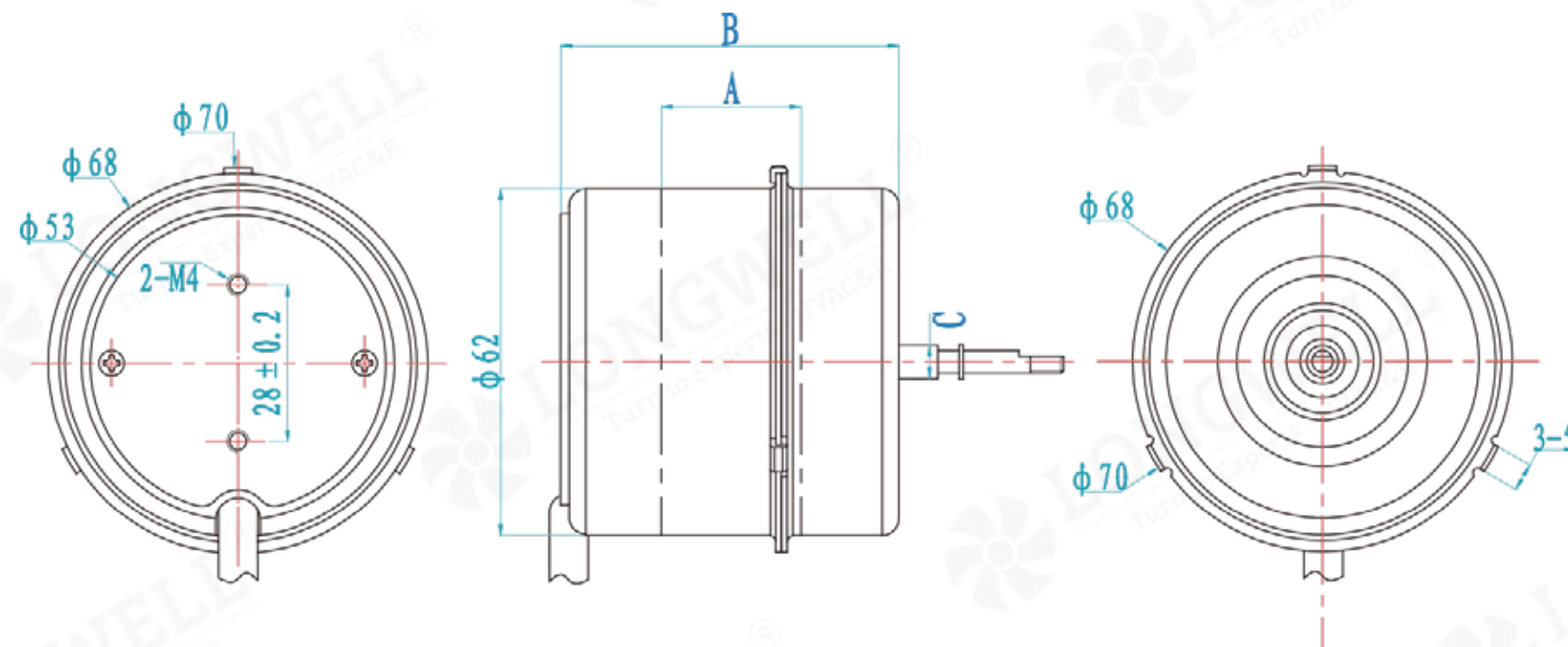


Technical Specifications

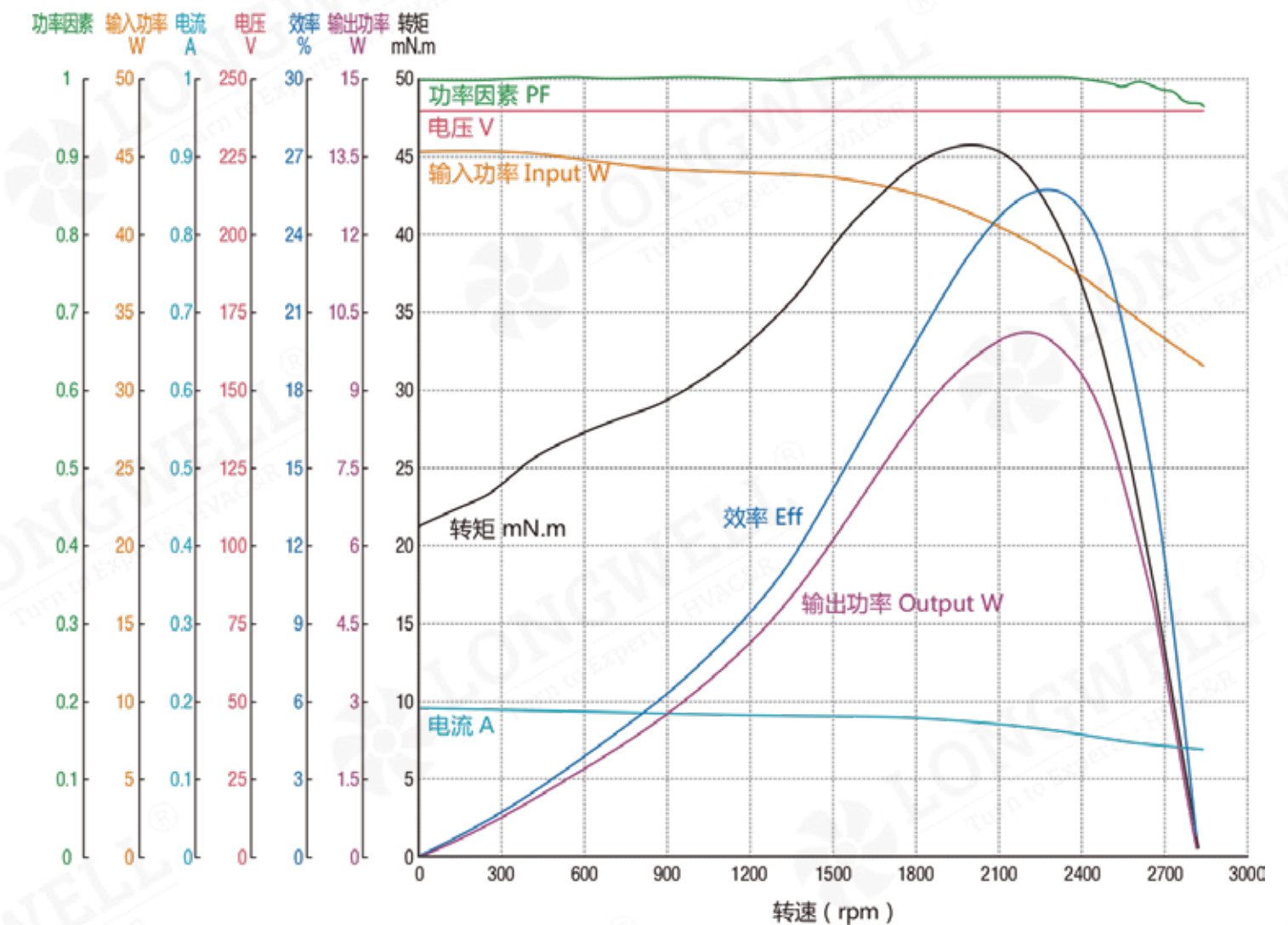
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M060S(U)-01	25	60.5	Φ6	100-127/220-240	50/60	48	45	10

Performance Parameter (Take stack 25mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	239.2	0.137	31.522	1.309	2840.39	0.389	1.23	0.962	50
Max Eff	239.1	0.161	38.602	41.399	2291.46	9.934	25.73	1	50
Max Output Power	239.1	0.166	39.701	44.137	2184.56	10.097	25.43	1	50
Max Torque	239.1	0.172	41.224	45.69	2008.32	9.609	23.31	1	50



Curve Chart



LW-AC(I)M60 Series

Product Characteristic

- Stator Lamination Thickness: A=14~60mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Electric Fan

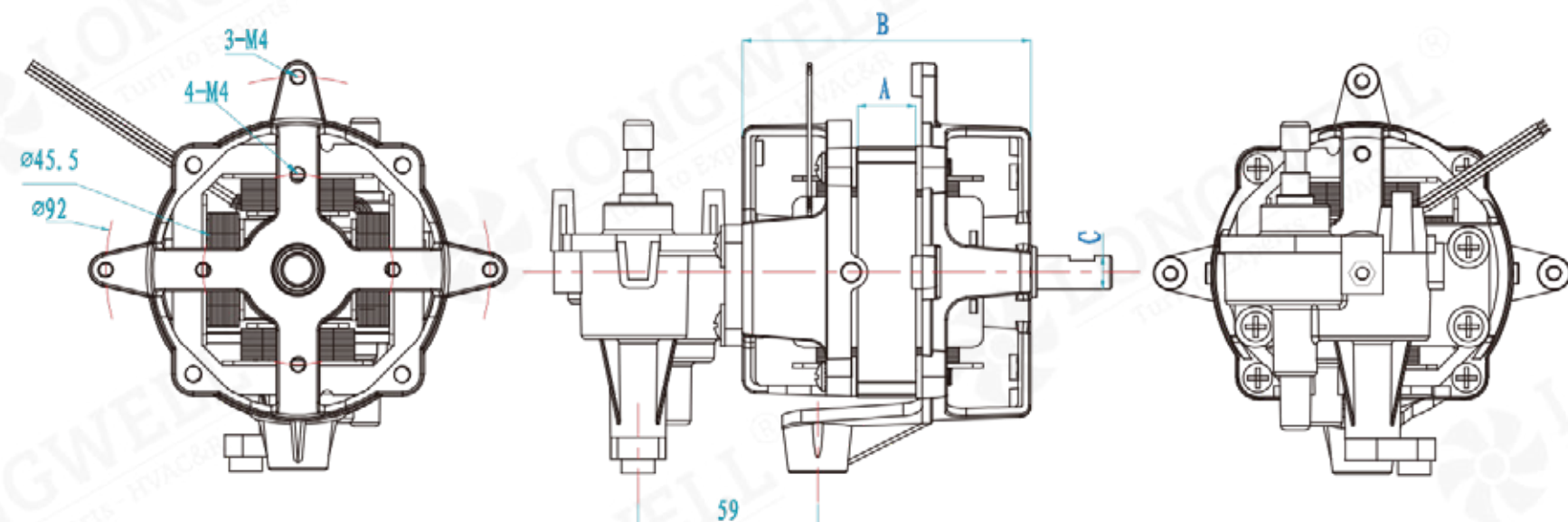


Technical Specifications

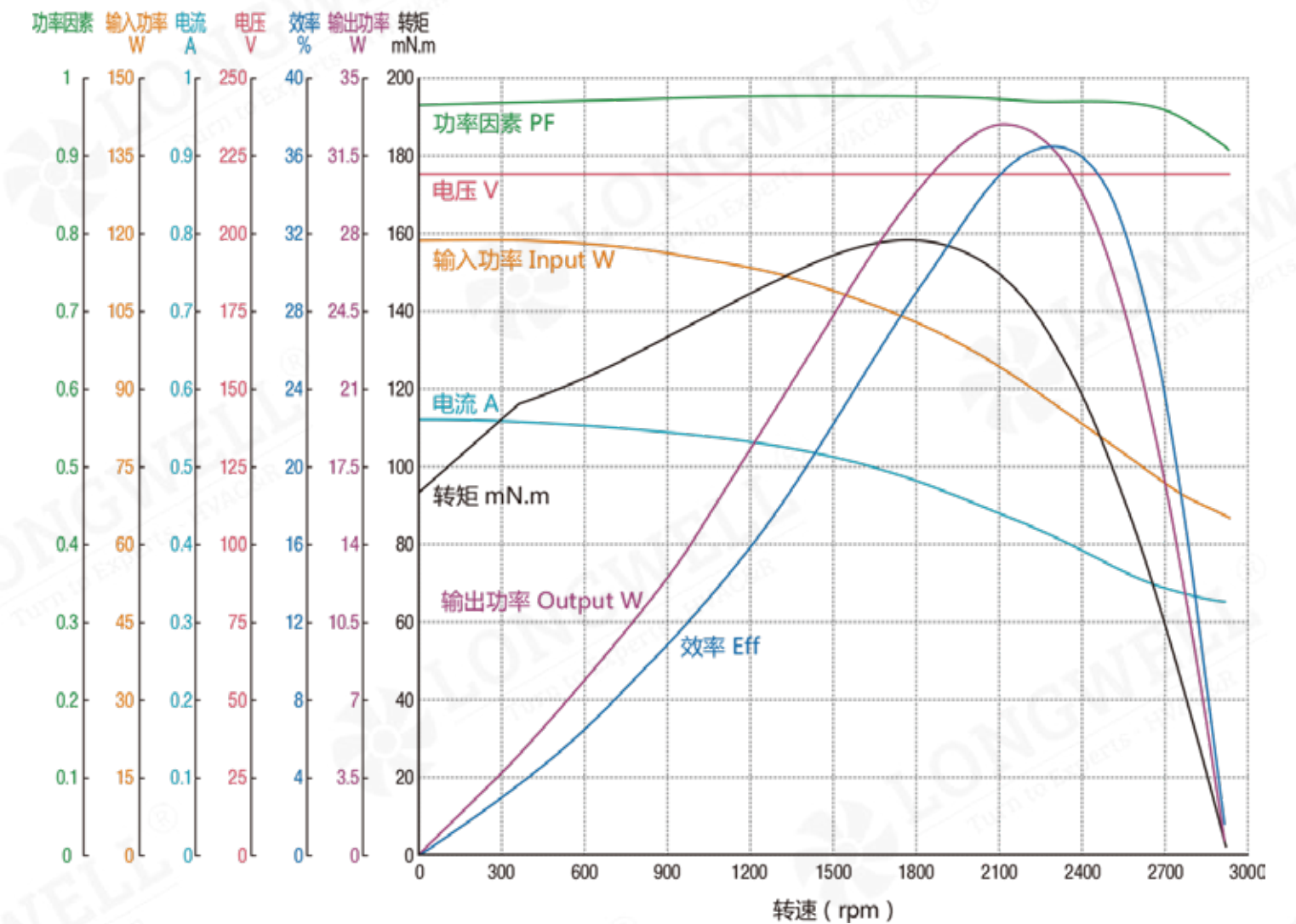
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M060S(U)-02	14	69	Φ6	100-127/220-240	50/60	25.5	25	6
LW-AC(I)M060S(U)-03	25	80	Φ6	100-127/220-240	50/60	45.6	45	10
LW-AC(I)M060S(U)-04	30	85	Φ6	100-127/220-240	50/60	102	83	22
LW-AC(I)M060S(U)-05	40	95	Φ6	100-127/220-240	50/60	158.2	119	33
LW-AC(I)M060S(U)-06	60	115	Φ6	100-127/220-240	50/60	235	175	50

Performance Parameter (Take stack 40mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	219.46	0.327	65.162	2.896	2934.92	0.89	1.37	0.908	50
Max Eff	219.35	0.409	86.967	131.462	2305.73	31.742	36.5	0.97	50
Max Output Power	219.23	0.435	92.89	146.919	2140.37	32.93	35.45	0.974	50
Max Torque	219.03	0.485	103.776	158.18	1759.18	29.14	28.08	0.977	50



Curve Chart



LW-AC(I)M75 Series

Product Characteristic

- Stator Lamination Thickness: A=16~30mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Electric Fan

Technical Specifications

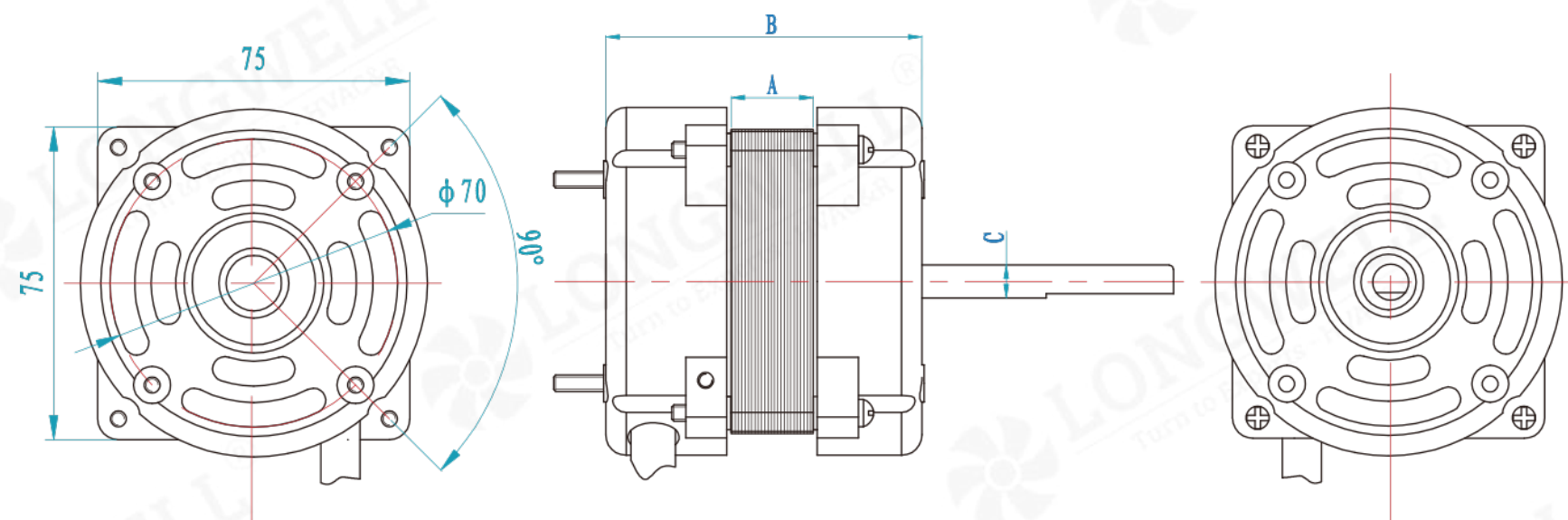
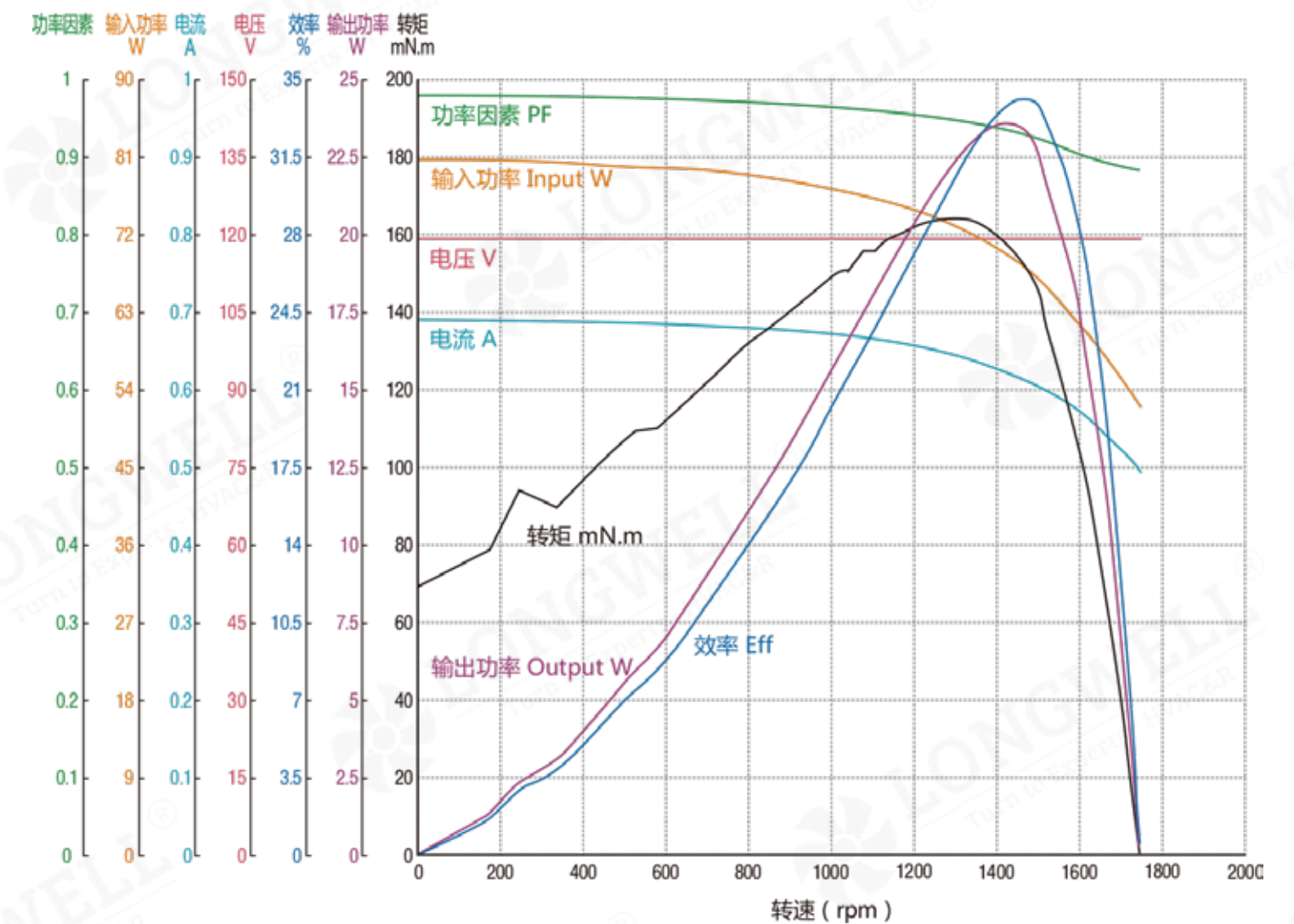
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(W)	Max. Output Power(W)
LW-AC(I)M075S(U)-01	18	74	Φ8	100-127/220-240	50/60	13.2	65	19
LW-AC(I)M075S(U)-02	20	78	Φ8	100-127/220-240	50/60	16.5	81	24

Performance Parameter (Take stack 20mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	119.11	0.495	52.015	1.759	1745.7	0.322	0.62	0.882	60
Max Eff	119.11	0.612	67.359	148.17	1488.51	23.096	34.29	0.924	60
Max Output Power	119.11	0.623	69.231	156.131	1438.46	23.519	33.97	0.933	60
Max Torque	119.11	0.647	73.028	164.364	1298.62	22.352	30.61	0.948	60



Curve Chart



LW-AC(I)M78 Series

Product Characteristic

- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Exhaust Fan / Cooker Hood

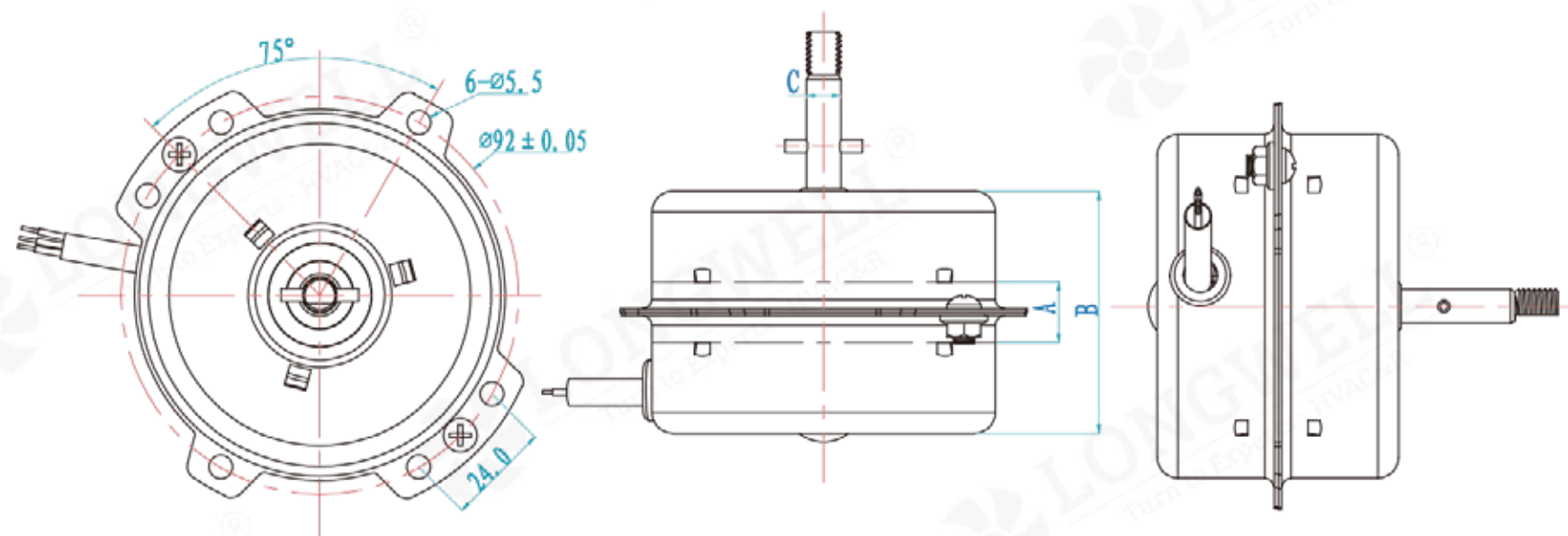


Technical Specifications

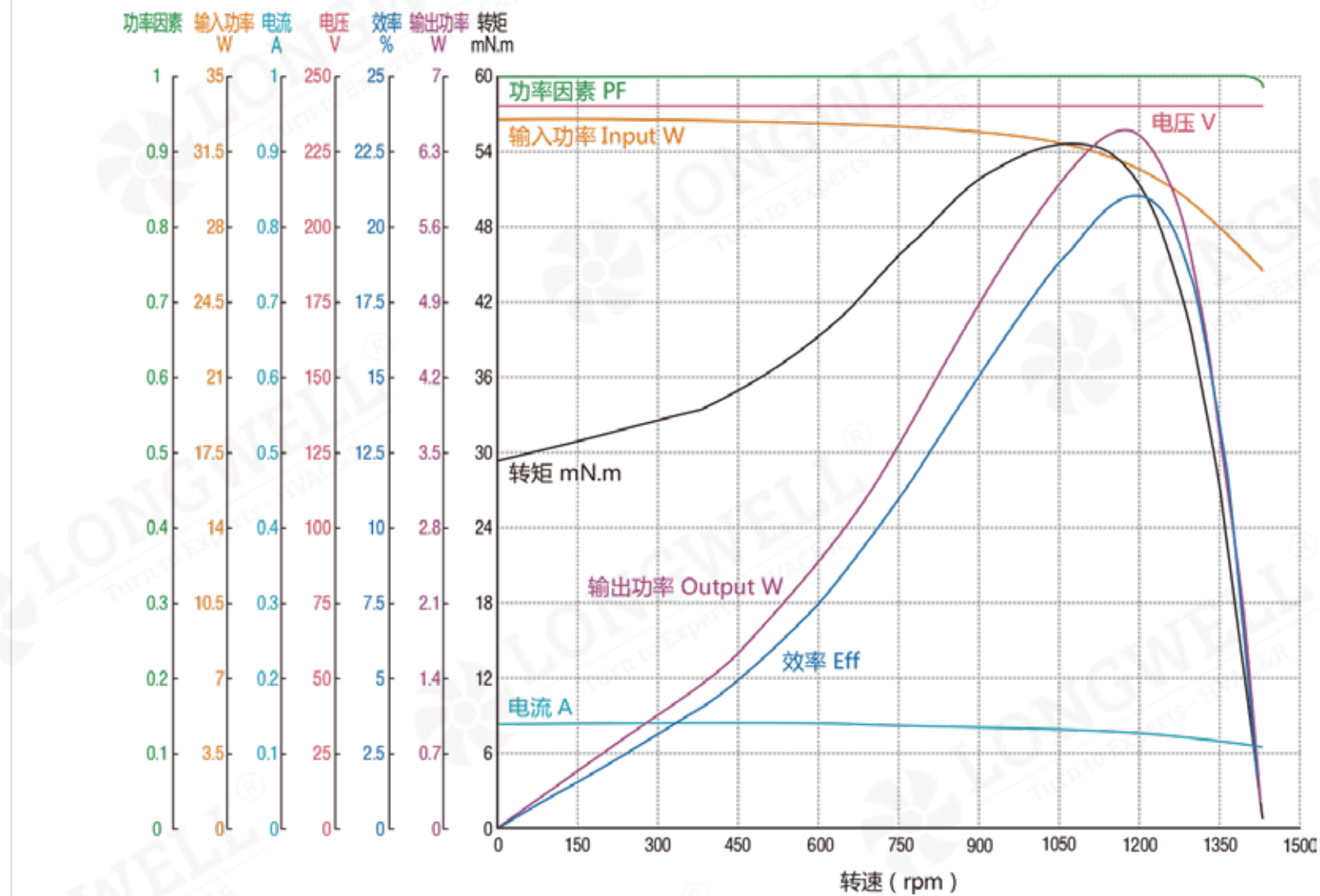
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(W)	Max. Output Power(W)
LW-AC(I)M078S(U)-01	14	56	Φ8	100-127/220-240	50/60	54.4	33	7

Performance Parameter (Take stack 14mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	239.54	0.11	25.949	1.269	1430.82	0.19	0.73	0.985	50
Max Eff	239.54	0.127	30.615	51.252	1199.31	6.437	21.03	1	50
Max Output Power	239.54	0.128	30.873	52.6	1177.21	6.484	21	1	50
Max Torque	239.54	0.13	31.543	54.391	1098.57	6.257	19.84	1	50



Curve Chart



LW-AC(I)M80 Series

Product Characteristic

- Stator Lamination Thickness: A=15~50mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Cooker Hood / Exhanust Fan / Ventilation Installation

Technical Specifications

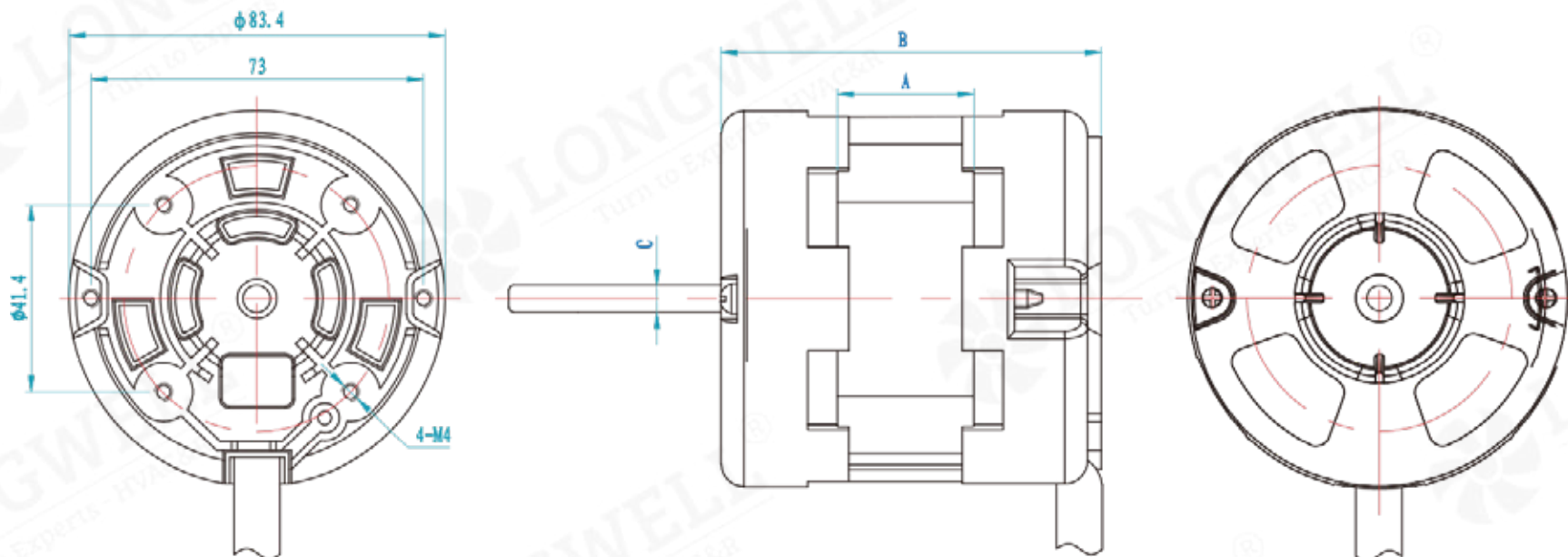
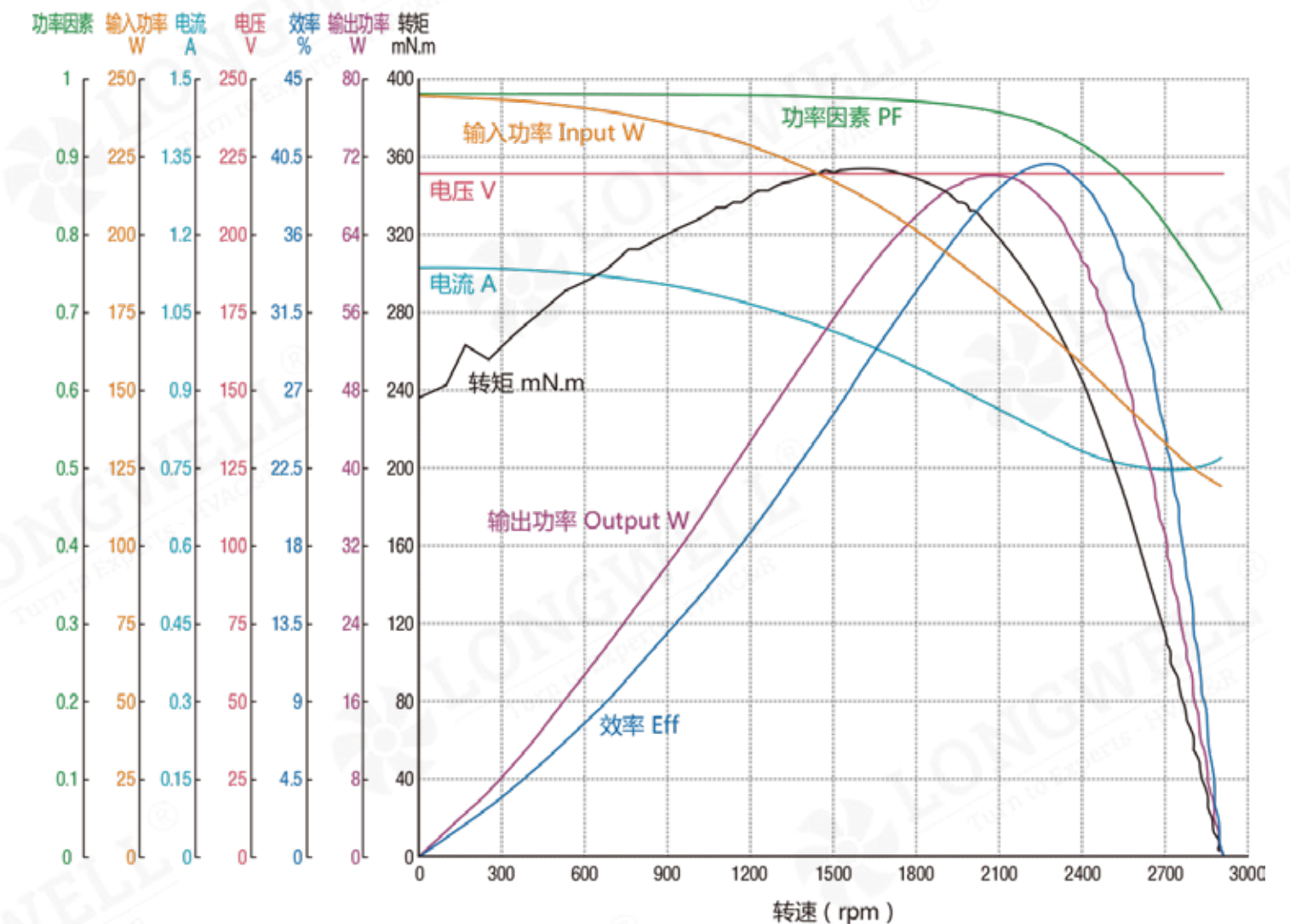
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M080S(U)-01	15	68.4	Φ6/Φ8	100-127/220-240	50/60	153.8	102	33
LW-AC(I)M080S(U)-02	20	73.4	Φ6/Φ8	100-127/220-240	50/60	280	178	59
LW-AC(I)M080S(U)-03	30	83.4	Φ6/Φ8	100-127/220-240	50/60	353.5	244	71
LW-AC(I)M080S(U)-04	35	88.4	Φ6/Φ8	100-127/220-240	50/60	500	312	100
LW-AC(I)M080S(U)-05	40	93.4	Φ6/Φ8	100-127/220-240	50/60	742	474	176
LW-AC(I)M080S(U)-06	50	103.4	Φ6/Φ8	100-127/220-240	50/60	829	532	205

Performance Parameter (Take stack 30mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	219.47	0.771	118.979	0.515	2904.82	0.157	0.13	0.704	50
Max Eff	219.28	0.815	167.248	279.963	2284.42	66.974	40.05	0.936	50
Max Output Power	219.13	0.869	182.17	320.419	2093.57	70.248	38.56	0.957	50
Max Torque	219.03	1.023	218.532	353.547	1475.84	54.641	25	0.975	50



Curve Chart



LW-AC(I)M82 Series

Product Characteristic

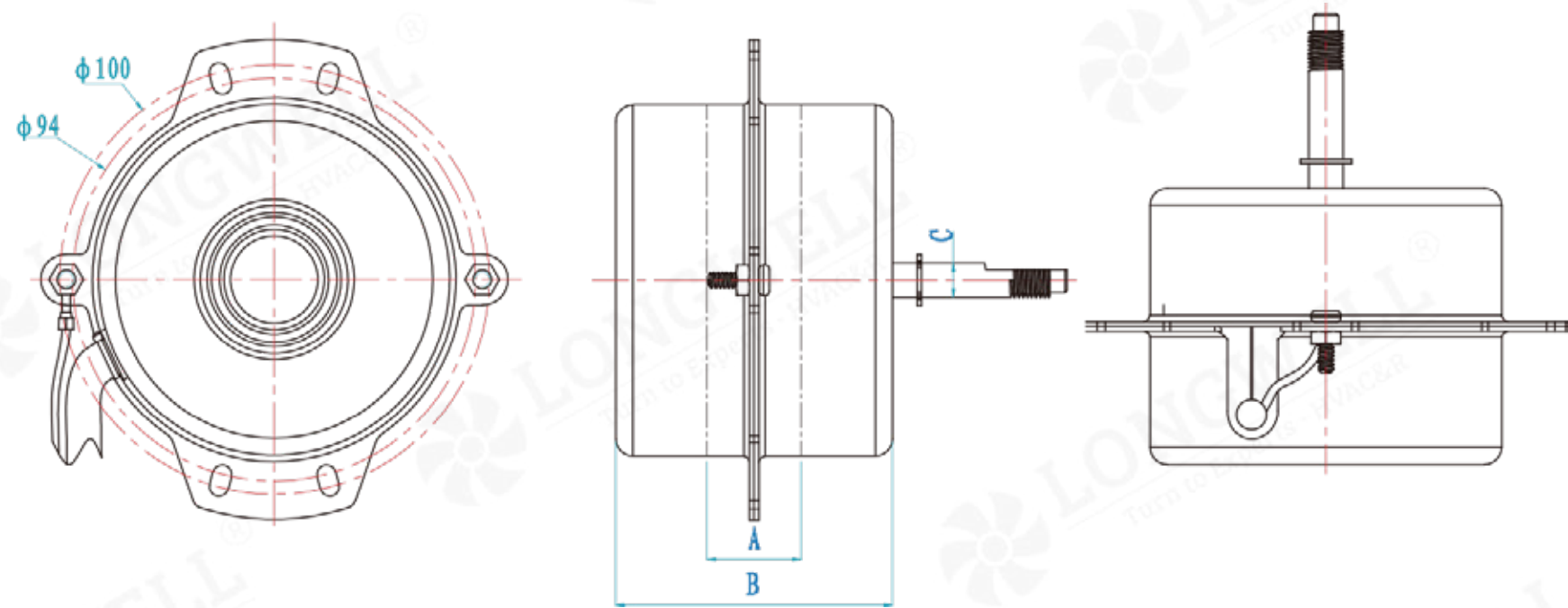
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Exhaust Fan / Ventilation Installation

Technical Specifications

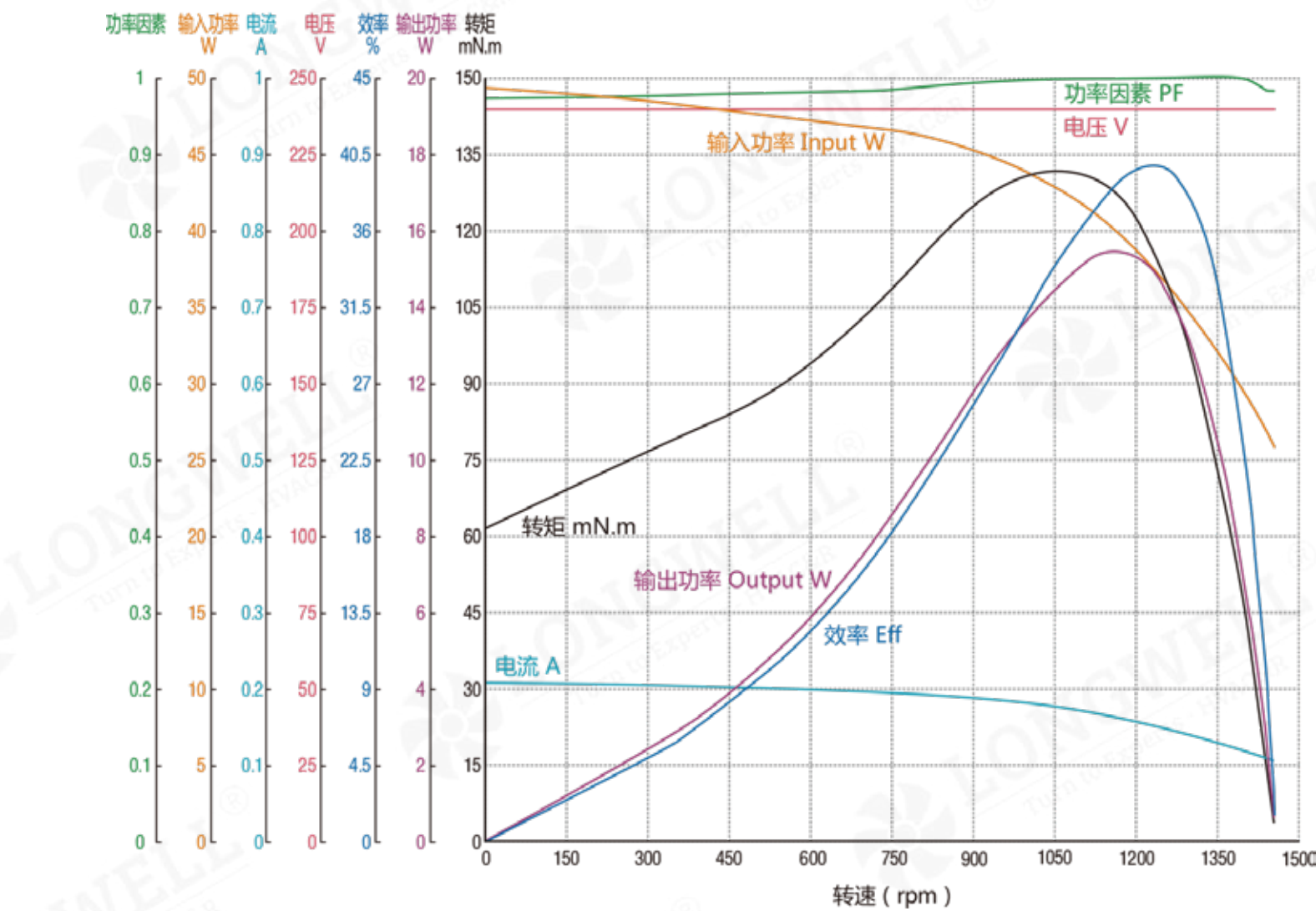
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M082S(U)-01	22	64	Φ8	100-127/220-240	50/60	131.5	50	16

Performance Parameter (Take stack 22mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	239.67	0.11	25.936	4.185	1455.9	0.638	2.46	0.984	50
Max Eff	239.54	0.157	37.901	118.115	1220.77	15.1	39.84	1	50
Max Output Power	239.54	0.165	39.655	126.194	1171.1	15.476	39.03	1	50
Max Torque	239.54	0.175	42.017	131.473	1086.86	14.964	35.61	1	50



Curve Chart



LW-AC(I)M88 Series

Product Characteristic

- Stator Lamination Thickness: A=15~50mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Cooker Hood



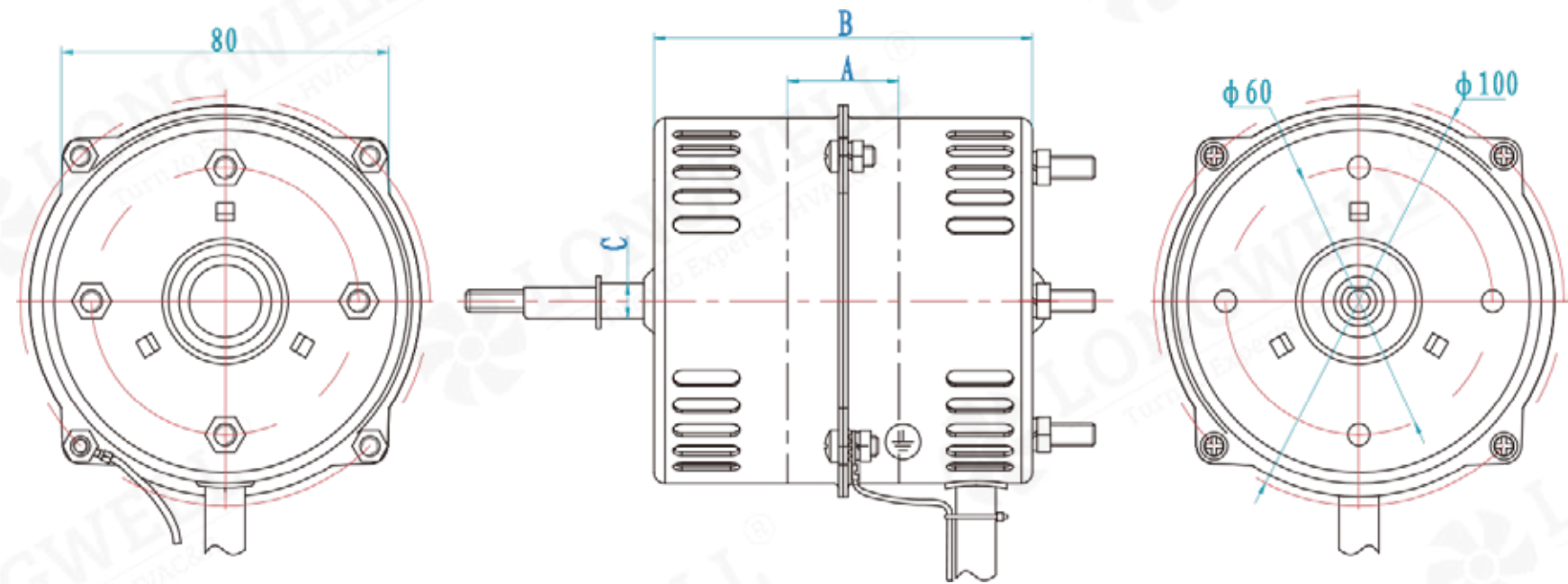
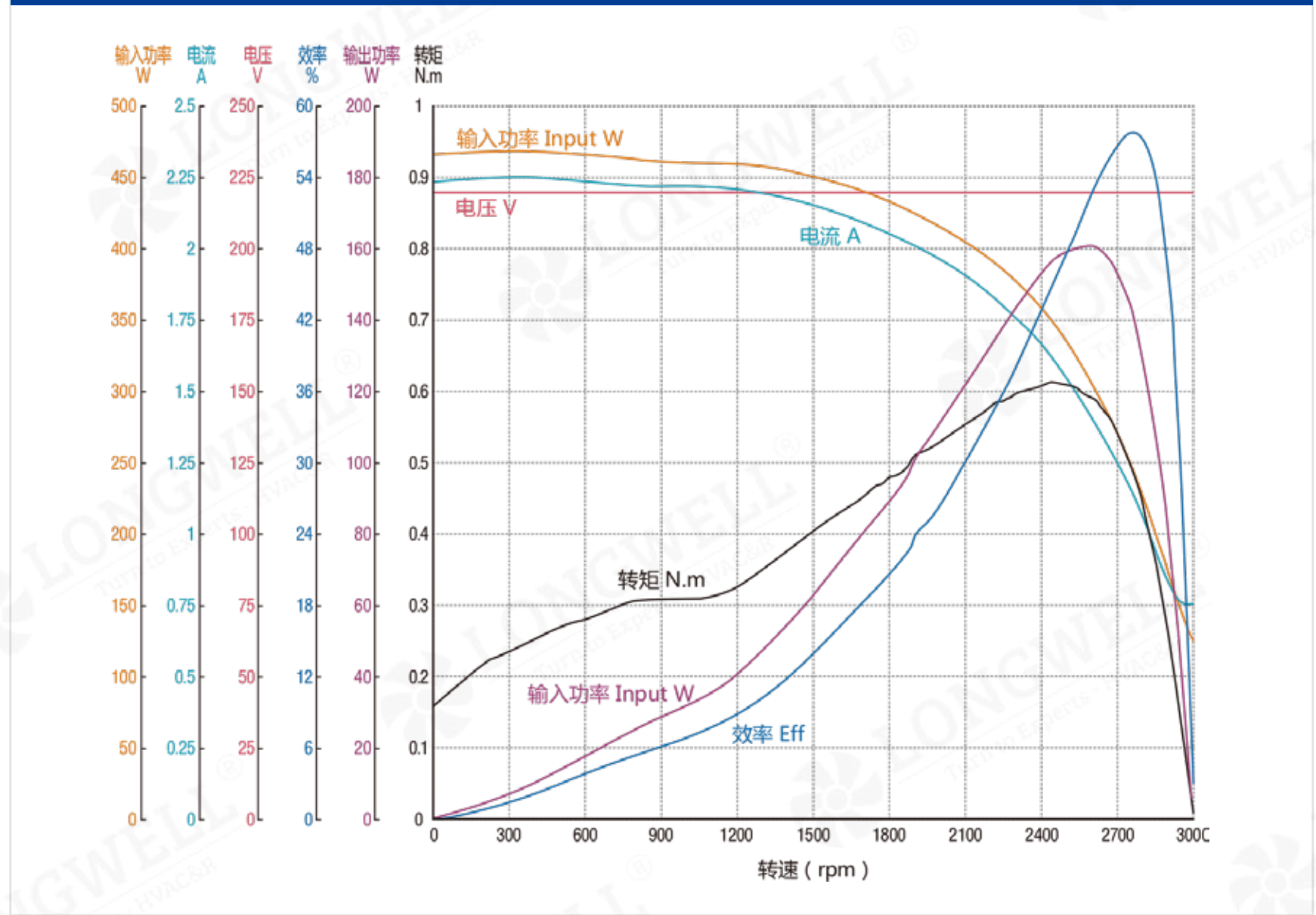
Technical Specifications

Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M088S(U)-01	20	85	Φ8	100-127/220-240	50/60	0.236	218	70
LW-AC(I)M088S(U)-02	25	85	Φ8	100-127/220-240	50/60	0.616	466	161

Performance Parameter (Take stack 25mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	219.47	0.758	126.85	0.012	2990	3.757	2.96	0.762	50
Max Eff	219.41	1.138	246.114	0.494	2747.84	142.15	57.76	0.986	50
Max Output Power	219.47	1.412	305.418	0.592	2590.74	160.611	52.59	0.986	50
Max Torque	219.65	1.626	350.043	0.616	2427.54	156.594	44.74	0.98	50

Curve Chart



LW-AC(I)M91 Series

Product Characteristic

- Stator Lamination Thickness: A=40~60mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Cooker Hood / Juice Extractor

Technical Specifications

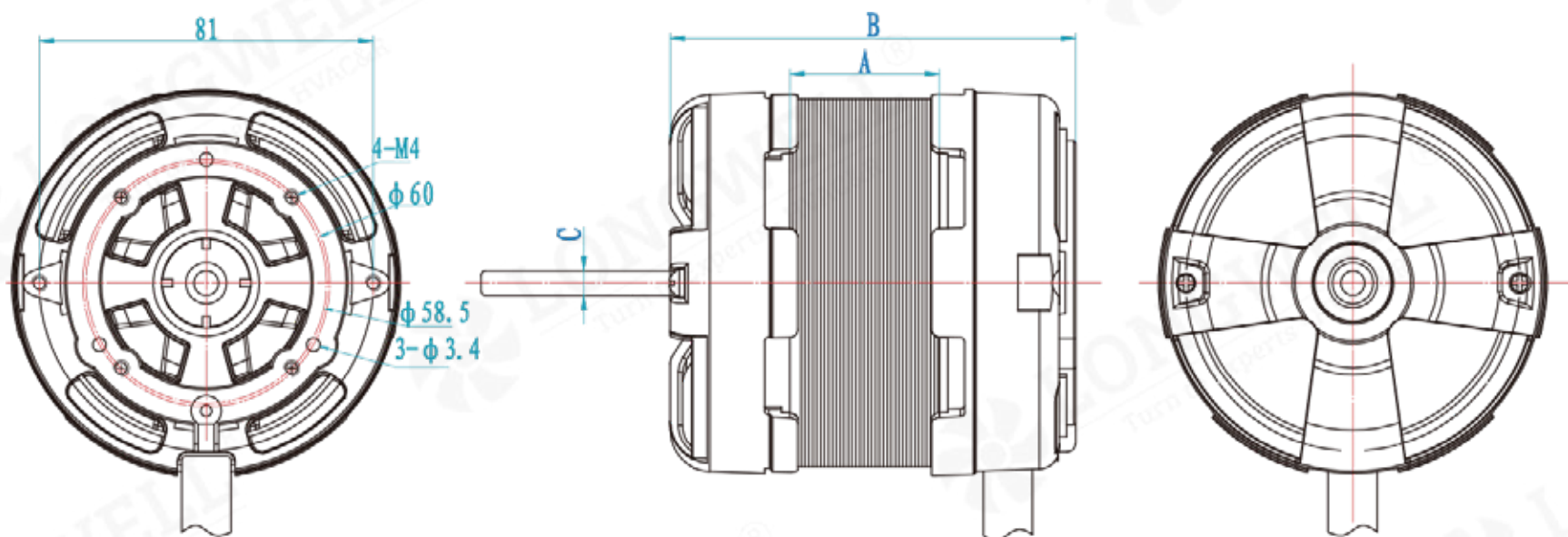
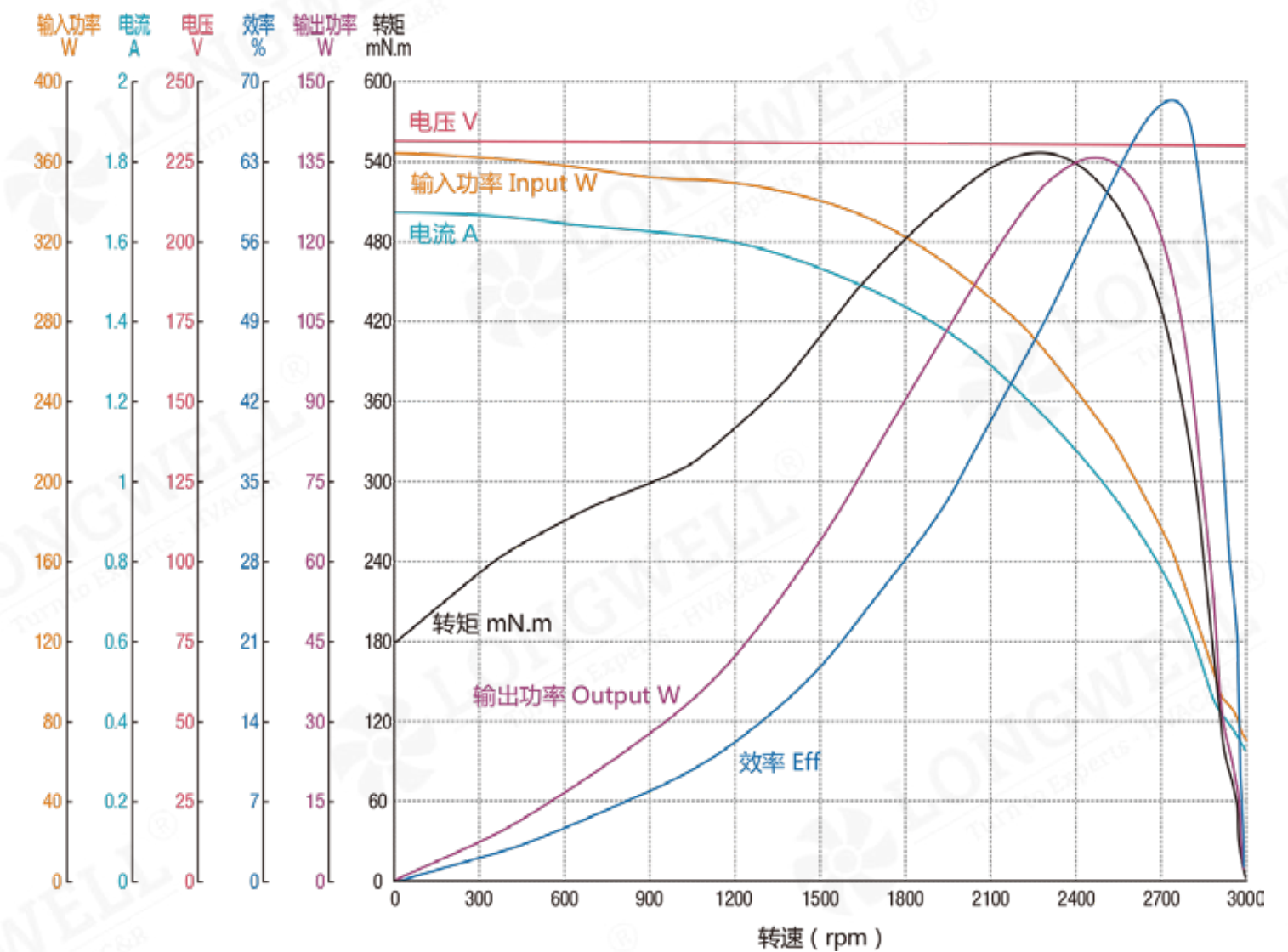
Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M091S(U)-01	40	98	Φ6Φ8	100-127/220-240	50/60	544.8	363	135
LW-AC(I)M091S(U)-02	47	105	Φ6Φ8	100-127/220-240	50/60	352.2	392	90

Performance Parameter (Take stack 40mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	229.36	0.334	72.001	1.774	2985.63	0.555	0.77	0.94	50
Max Eff	229.26	0.737	168.677	404.321	2720.23	115.175	68.28	0.998	50
Max Output Power	229.5	1.017	233.08	526.309	2458.49	135.499	58.13	0.998	50
Max Torque	229.5	1.1.68	266.206	544.816	2274.72	129.779	48.75	0.993	50



Curve Chart



LW-AC(I)M92 Series

Product Characteristic

- Stator Lamination Thickness: A=15~47mm
- Applied Voltage: 100~240VAC
- Frequency: 50/60Hz
- Application: Cooker Hood



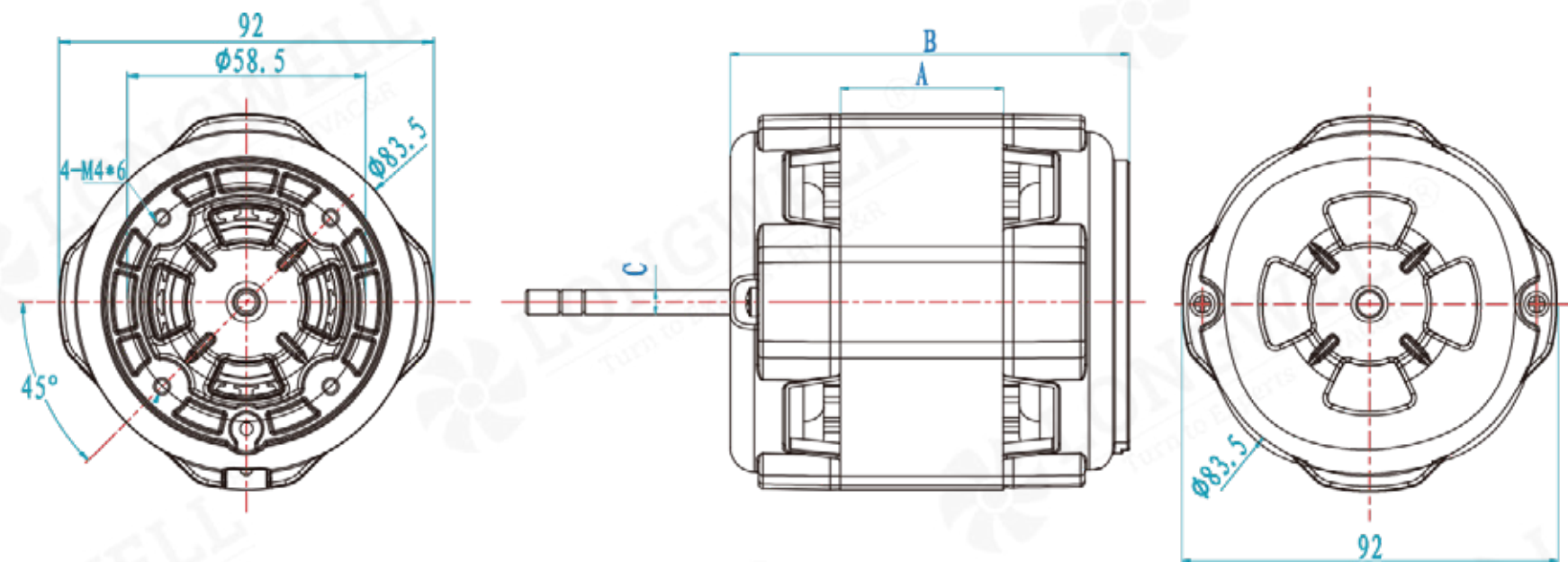
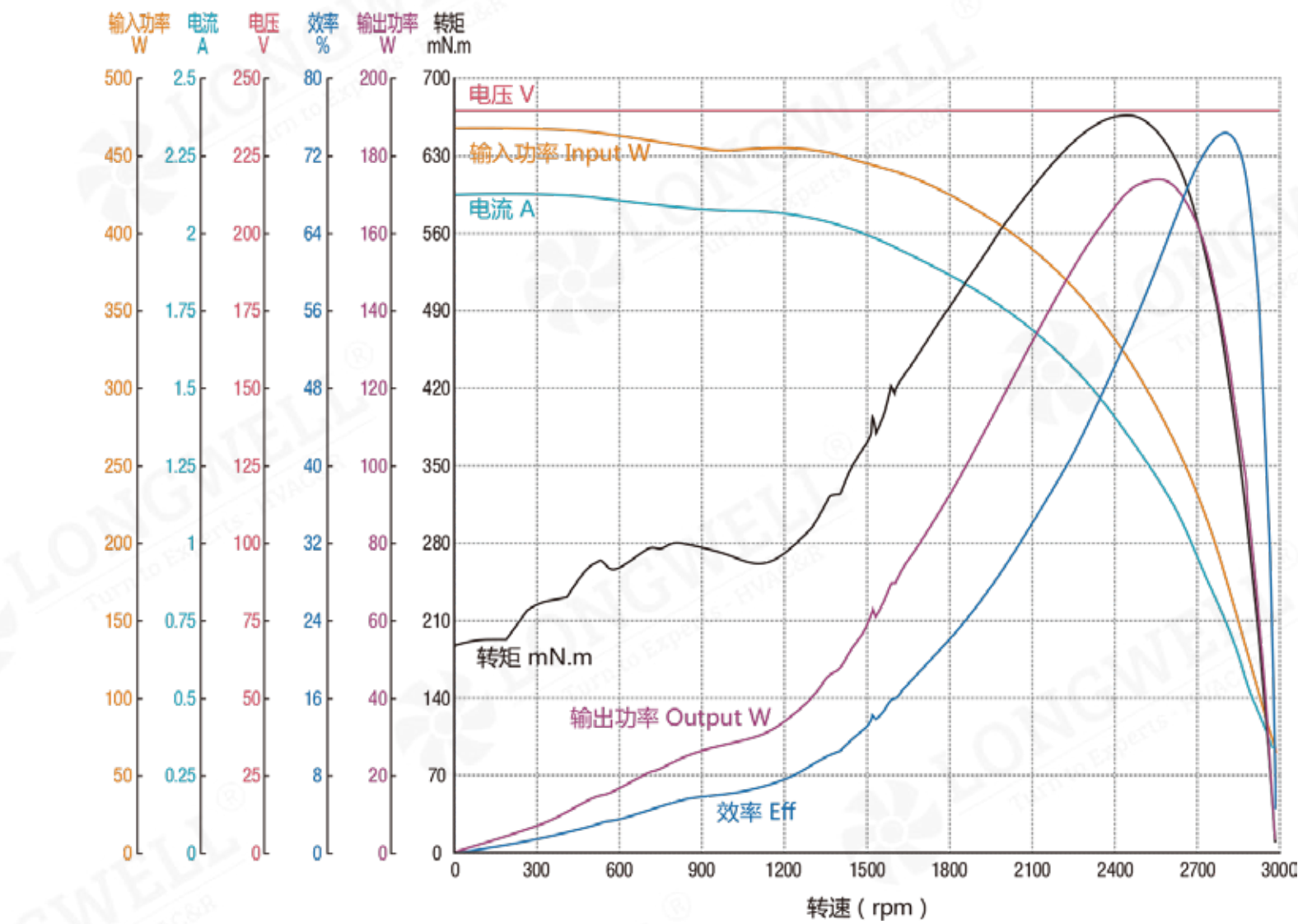
Technical Specifications

Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(W)	Max. Output Power(W)
LW-AC(I)M092S(U)-01	47	105	Φ6Φ8	100-127/220-240	50/60	665.5	467	174

Performance Parameter (Take stack 47mm as an example)

	Voltage (V)	Current (A)	Input Power (W)	Torque (mN.m)	Speed (rpm)	Output Power (W)	Eff (%)	PF	Frequency (Hz)
No-Load	239.38	0.334	65.148	9.333	2979.02	2.911	4.47	0.814	50
Max Eff	239.1	0.742	176.944	448.597	2800.51	131.56	74.35	0.997	50
Max Output Power	238.95	1.211	287.495	652	2549.06	174.043	60.54	0.994	50
Max Torque	2391	1.348	318.516	655.538	2448.9	170.676	53.59	0.988	50

Curve Chart



LW-AC(I)M120 Series

Product Characteristic

- Applied Voltage: 100~240VAC
 - Frequency: 50/60Hz
 - Application: Oil Expeller



Technical Specifications

Model	Dim.A (mm)	Dim.B (mm)	Dim.C (mm)	Voltage (V)	Frequency (Hz)	Max.Torque (mN.m)	Max. Input Power(w)	Max. Output Power(w)
LW-AC(I)M0120S(U)-01	45	115	Φ12	100-127/220-240	50/60	1742.3	621	231

