Engineered for the Critical

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



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400
Tell: +86 574 6218 9863
Fax: +86 574 6218 9863
Phone: 0086 183 5827 4663
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
Email: sales@zjlongwell.com

CE RoHS BSCI ISO EAC UL LVD

LONGWELL®
Turn to Experts - HVAC&R

LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner for Mission-Critical Environments



Professional Manufacturer of HVACR Fan & Motors

—— **LWYE4 Series High Efficiency Three Phase Asynchronous Motor**

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

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

About Longwell

The Ventilation and Drive Technology Partner for Mission-Critical Environments

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.

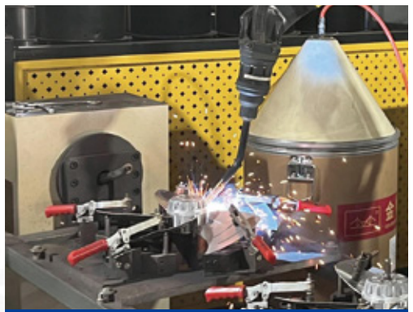
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials 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.

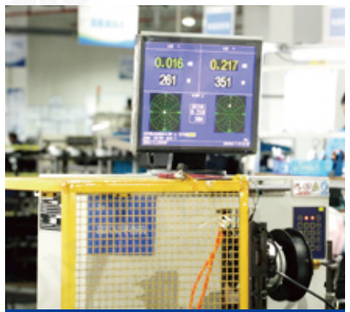
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

193	40000㎡	500+	1Million+PCS	6	50+
Staff	Floor Space	Branding Clients	Annual Outputs	Overseas Offices on Spot Support	Members R&D Team


B&K Noise Testing Lab


Production Line

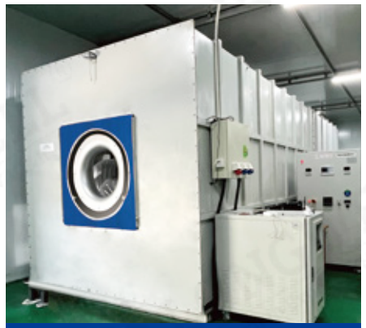

Automatic Welding


Balance Machine


Automatic Welding Machine


Production Line - Centrifugal Fan


Automatic CNC Machine


Air Dynamic Test Lab


Production Line - Axial Fans


Production Line

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

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
  EN 61000-3-3:2013 +A1:2019 +A2:2021 +AC:2022-01
  EN 60335-2-80:2003 +A1:2004 +A2:2009;
  EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019+A14:2019 +A2:2019+A15:2021
  EN 62321-1:2013/EN 62321-2:2014/EN 62321-3-1:2014
  EN 62321-4:2014+A1:2017/EN 62321-5:2014/EN 62321-6:2015
  EN 62321-7-1:2015/EN 62321-7-2:2017/EN 62321-8:2017







Enterprise Credit Evaluation Certificate - Hightest Level in China

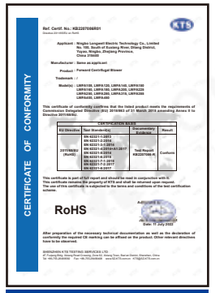

Own-Brand


Own-Brand


ETL


ETL

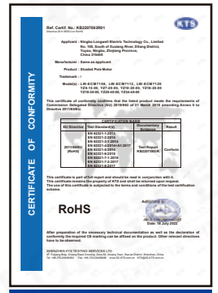

CE


RoHS

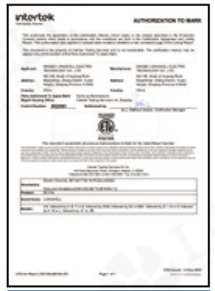

CE


CE


CE


RoHS


ETL


ETL


ETL


CE


CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

LWYE4 Series High Efficiency Three Phase Asynchronous Motor

Professional HVAC Fan &Motors Manufacturer



Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

Type Code

LW YE4 - 80M1 - 2 - 001

- LW — Longwell
- YE4 — High Efficiency Three Phase Asynchronous
- 80M1 — Centre Height of Frame Size
- 2 — Poles
- 001 — Series Number

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

LWYE4 Series High Efficiency Three Phase Asynchronous Motor

Product Overview

LWYE4 Senes motor is developed with high eficiency in order to meet the requirements of the national energy conservation and emission reduction and market demand. It has many advantages such as strong load bearing, high eficiency, low noise, high torque, good starting performance, compact structure and easy maintenance. It's widely used in various fields of national economy: machine tool, pump, fan industries, compressor and etc., also in transportation, mixing, printing, agricultural machinery, food industry and so on.(Places don't have flammable and corrosive gas.)

Technical Parameters

1) Basic Parameters

Centre Height of Frame Size: 80-450mm

Power Range: 0.55-1000kw

Rated Voltage and Frequency: 380V 50Hz (special should order)

Protection Class: IP55

Insulation Class: 155(F)

Duty Type: S1

Type of Cooling: IC411

Power 3kw and below is star-connection

Power above 3kw is delta-connection

2) Conditions of Use

Working Ambient Temperature: -15°C~40°C

The Altitude: Not above 1000m

If any special please mention when placing order.

Structure and Installation Method

Frame Size	Structure and Installation Method
80~160	B3, B5, B6, B14, B34, B35, V1, V3, V5, V6, V15
180~280	B3, B5, B35, V1
315~450	B3, B35, V1

Main Technical Parameters

Model	Rated Power (KW)	Rated Speed (r/min)	Rated Current (A)	Efficiency (η%)	Power Factor (cosΦ)	Max Torque Rated Torque (Ist/In)	Stall Torque Rated Torque (Ist/In)	Max Torque Rated Torque (Imax/In)
Synhronous speed 3000r/min								
LWYE4-80M1-2-001	0.75	2850	1.6	83.5	0.83	8.5	2.2	2.3
LWYE4-80M2-2-001	1.1	2850	2.4	85.2	0.83	8.5	2.2	2.3
LWYE4-90S-2-001	1.5	2890	3.1	86.5	0.85	9.0	2.2	2.3
LWYE4-90L-2-001	2.2	2890	4.4	88	0.86	9.0	2.2	2.3
LWYE4-100L-2-001	3	2890	5.9	90.4	0.87	9.5	2.2	2.3
LWYE4-112M-2-001	4	2910	7.7	90	0.88	9.5	2.2	2.3
LWYE4-132S1-2-001	5.5	2920	10.4	90.9	0.88	9.5	2.0	2.3
LWYE4-132S2-2-001	7.5	2920	14.0	91.7	0.89	9.5	2.0	2.3
LWYE4-160M1-2-001	11	2940	20.3	92.6	0.89	9.5	2.0	2.3
LWYE4-160M2-2-001	15	2940	27.4	93.3	0.89	9.5	2.0	2.3
LWYE4-160L-2-001	18.5	2940	33.7	93.7	0.89	9.5	2.0	2.3
LWYE4-180M-2-001	22	2955	40.0	94.0	0.89	9.5	2.0	2.3
LWYE4-200L1-2-001	30	2960	54.2	94.5	0.89	9.0	2.0	2.3
LWYE4-200L2-2-001	37	2960	66.6	94.8	0.89	9.0	2.0	2.3
LWYE4-225M-2-001	45	2965	80.9	95.0	0.89	9.0	2.0	2.3
LWYE4-250M-2-001	55	2970	98.5	95.3	0.89	9.0	2.0	2.3
LWYE4-280S-2-001	75	2975	134	95.6	0.89	8.5	1.8	2.3
LWYE4-280M-2-001	90	2975	160	95.8	0.89	8.5	1.8	2.3
LWYE4-315S-2-001	110	2980	196	96.0	0.89	8.5	1.8	2.3
LWYE4-315M-2-001	132	2980	234	96.2	0.89	8.5	1.8	2.3
LWYE4-315L1-2-001	160	2980	284	96.3	0.89	8.5	1.8	2.2
LWYE4-315L2-2-001	200	2980	354	96.5	0.89	8.5	1.8	2.2
LWYE4-355M-2-001	250	2980	432.5	96.5	0.91	8.5	1.6	2.2
LWYE4-355L-2-001	315	2980	545	96.5	0.91	8.5	1.6	2.2
LWYE4-3551-2-001	355	2980	621	96.5	0.90	8.6	0.9	1.8
LWYE4-3552-2-001	400	2980	699.7	96.5	0.90	8.6	0.9	1.8
LWYE4-3553-2-001	450	2980	787.2	96.5	0.90	8.6	0.8	1.8
LWYE4-4001-2-001	500	2982	874.7	96.5	0.90	8.6	0.8	1.8
LWYE4-4002-2-001	560	2982	968.9	96.5	0.91	8.7	0.8	1.8
LWYE4-4003-2-001	630	2982	1090	96.5	0.91	8.7	0.8	1.8
LWYE4-4501-2-001	710	2985	1228	96.5	0.91	8.0	0.6	1.8
LWYE4-4502-2-001	800	2985	1384	96.5	0.91	8.0	0.6	1.8
LWYE4-4503-2-001	900	2985	1557	96.5	0.91	8.0	0.6	1.8
LWYE4-4504-2-001	1000	2985	1711	96.5	0.92	8.1	0.6	1.8

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

Main Technical Parameters

Model	Rated Power (KW)	Rated Speed (r/min)	Rated Current (A)	Efficiency (η%)	Power Factor (cosΦ)	Max Torque Rated Torque (Ist/IN)	Stall Torque Rated Torque (Ist/IN)	Max Torque Rated Torque (Imax/IN)
Synhronous speed 1500r/min								
LWYE4-80M1-4-001	0.55	1435	1.8	85.7	0.75	8.5	2.3	2.3
LWYE4-80M2-4-001	0.75	1435	1.8	85.7	0.74	8.5	2.3	2.3
LWYE4-90S-4-001	1.1	1435	2.6	87.2	0.75	8.5	2.3	2.3
LWYE4-90L-4-001	1.5	1435	3.4	88.2	0.76	9.0	2.3	2.3
LWYE4-100L1-4-001	2.2	1450	4.7	89.5	0.79	9.0	2.3	2.3
LWYE4-100L2-4-001	3	1450	6.3	90.4	0.80	9.5	2.3	2.3
LWYE4-112M-4-001	4	1455	8.3	91.1	0.80	9.5	2.3	2.3
LWYE4-132S-4-001	5.5	1460	11.4	91.9	0.80	9.5	2.0	2.3
LWYE4-132M-4-001	7.5	1460	15.2	92.6	0.81	9.5	2.0	2.3
LWYE4-160M-4-001	11	1470	21.6	93.3	0.83	9.5	2.0	2.3
LWYE4-160L-4-001	15	1470	28.9	93.9	0.84	9.5	2.0	2.3
LWYE4-180M-4-001	18.5	1480	35.1	94.2	0.85	9.5	2.0	2.3
LWYE4-180L-4-001	22	1475	41.6	94.5	0.85	9.5	2.0	2.3
LWYE4-200L-4-001	30	1475	56.5	94.9	0.85	9.0	2.0	2.3
LWYE4-225S-4-001	37	1480	69.5	95.2	0.85	9.0	2.0	2.3
LWYE4-225M-4-001	45	1480	84.3	95.4	0.85	9.0	2.0	2.3
LWYE4-250M-4-001	55	1482	101.5	95.7	0.86	9.0	2.0	2.3
LWYE4-280S-4-001	75	1485	136.5	96.0	0.87	8.5	2.0	2.3
LWYE4-280M-4-001	90	1485	162	96.1	0.88	8.5	2.0	2.3
LWYE4-315S-4-001	110	1485	195	96.3	0.89	8.5	1.8	2.2
LWYE4-315M-4-001	132	1488	234	96.4	0.89	8.5	1.8	2.2
LWYE4-315L1-4-001	160	1488	280	96.6	0.90	8.5	1.8	2.2
LWYE4-315L2-4-001	200	1488	349	96.7	0.90	8.5	1.8	2.2
LWYE4-355M-4-001	250	1490	436	96.7	0.90	8.5	1.8	2.2
LWYE4-355L-4-001	315	1490	550	96.7	0.90	8.5	1.8	2.2
LWYE4-3551-4-001	355	1490	634	96.7	0.88	8.5	0.9	1.8
LWYE4-3552-4-001	400	1490	714	96.7	0.88	8.5	0.9	1.8
LWYE4-3553-4-001	450	1490	803	96.7	0.88	8.5	0.8	1.8
LWYE4-4001-4-001	500	1493	893	96.7	0.88	8.5	0.8	1.8
LWYE4-4002-4-001	560	1493	1000	96.7	0.89	8.6	0.8	1.8
LWYE4-4003-4-001	630	1493	1125	96.7	0.89	8.6	0.8	1.8
LWYE4-4501-4-001	710	1493	1268	96.7	0.89	7.8	0.6	1.8
LWYE4-4502-4-001	800	1490	1397	96.7	0.90	7.9	0.6	1.8
LWYE4-4503-4-001	900	1490	1571	96.7	0.90	7.9	0.6	1.8
LWYE4-4504-4-001	1000	1490	1746	96.7	0.90	7.9	0.6	1.8

Main Technical Parameters

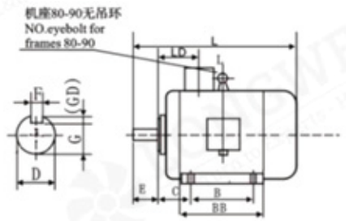
Model	Rated Power (KW)	Rated Speed (r/min)	Rated Current (A)	Efficiency (η%)	Power Factor (cosΦ)	Max Torque Rated Torque (Ist/IN)	Stall Torque Rated Torque (Ist/IN)	Max Torque Rated Torque (Imax/IN)
Synhronous speed 1000r/min								
LWYE4-90S-6-001	0.75	930	2.0	82.7	0.70	7.5	2.1	2.1
LWYE4-90L-6-001	1.1	930	2.8	84.5	0.70	7.5	2.1	2.1
LWYE4-100L-6-001	1.5	950	3.7	85.9	0.71	7.5	2.1	2.1
LWYE4-112M-6-001	2.2	960	5.4	87.4	0.71	7.5	2.1	2.1
LWYE4-132S-6-001	3	970	7.2	88.6	0.71	7.5	2.0	2.1
LWYE4-132M1-6-001	4	970	9.4	89.5	0.72	8.0	2.0	2.1
LWYE4-132M2-6-001	5.5	970	12.8	90.5	0.72	8.0	2.0	2.1
LWYE4-160M-6-001	7.5	975	16.4	91.3	0.76	8.0	2.0	2.1
LWYE4-160L-6-001	11	975	23.5	92.3	0.77	8.5	2.0	2.1
LWYE4-180L-6-001	15	980	30.7	92.9	0.80	8.5	2.0	2.1
LWYE4-200L1-6-001	18.5	980	37.6	93.4	0.80	8.5	2.0	2.1
LWYE4-200L2-6-001	22	980	44.0	93.7	0.81	8.5	2.0	2.1
LWYE4-225M-6-001	30	985	59.0	94.2	0.82	8.3	2.0	2.1
LWYE4-250M-6-001	37	985	71.7	94.5	0.83	8.3	2.0	2.1
LWYE4-280S-6-001	45	990	86.9	94.8	0.83	8.5	2.0	2.0
LWYE4-280M-6-001	55	985	104.6	95.1	0.84	8.5	2.0	2.0
LWYE4-315S-6-001	75	990	142	95.4	0.84	8.0	1.6	2.0
LWYE4-315M-6-001	90	990	168	95.6	0.85	8.0	1.6	2.0
LWYE4-315L1-6-001	110	990	205	95.8	0.85	8.0	1.6	2.0
LWYE4-315L2-6-001	132	990	243	96.0	0.86	8.0	1.6	2.0
LWYE4-355M1-6-001	160	994	294	96.2	0.86	8.0	1.6	2.0
LWYE4-355M2-6-001	200	994	340	96.3	0.86	8.0	1.6	2.0
LWYE4-355L-6-001	250	994	458	96.5	0.86	8.0	1.6	2.0
LWYE4-3552-6-001	315	994	604.2	96.6	0.82	7.9	0.9	1.8
LWYE4-3553-6-001	355	994	680.9	96.6	0.82	7.9	0.9	1.8
LWYE4-4001-6-001	400	994	758	96.6	0.83	8.0	0.9	1.8
LWYE4-4002-6-001	450	994	852.7	96.6	0.83	8.0	0.8	1.8
LWYE4-4003-6-001	500	994	947.5	96.6	0.83	8.0	0.8	1.8
LWYE4-4501-6-001	560	994	1049	96.6	0.84	8.1	0.8	1.8
LWYE4-4502-6-001	630	994	1180	96.6	0.84	8.1	0.8	1.8
LWYE4-4503-6-001	710	994	1329	96.6	0.84	7.4	0.6	1.8
LWYE4-4504-6-001	800	994	1498	96.6	0.84	7.4	0.6	1.8

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

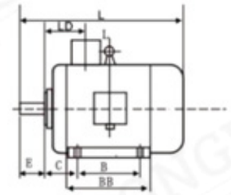
Main Technical Parameters

Model	Rated Power (KW)	Rated Speed (r/min)	Rated Current (A)	Efficiency (η%)	Power Factor (cosΦ)	Max Torque Rated Torque (Ist/IN)	Stall Torque Rated Torque (Ist/IN)	Max Torque Rated Torque (Imax/IN)
Synhronous speed 750r/min								
LWYE4-100L1-8-001	0.75	690	2.2	78.4	0.66	7.0	2.0	2.0
LWYE4-100L2-8-001	1.1	690	3.1	80.8	0.67	7.0	1.8	2.0
LWYE4-112M-8-001	1.5	695	4.0	82.6	0.69	7.0	1.8	2.0
LWYE4-132S-8-001	2.2	710	5.7	84.5	0.70	7.0	1.8	2.0
LWYE4-132M-8-001	3	710	7.6	85.9	0.70	7.5	1.8	2.0
LWYE4-160M1-8-001	4	725	9.8	87.1	0.71	7.9	1.8	2.0
LWYE4-160M2-8-001	5.5	720	13.1	88.3	0.72	8.1	1.8	2.0
LWYE4-160L-8-001	7.5	720	17.2	89.3	0.74	7.8	1.8	2.0
LWYE4-180L-8-001	11	725	25.0	90.4	0.74	7.9	1.8	2.0
LWYE4-200L-8-001	15	725	33.3	91.2	0.75	8.0	1.8	2.0
LWYE4-225S-8-001	18.5	735	40.9	91.7	0.75	8.1	1.8	2.0
LWYE4-225M-8-001	22	735	47.8	92.1	0.76	8.3	1.8	2.0
LWYE4-250M-8-001	30	735	63.9	92.7	0.77	7.9	1.8	2.0
LWYE4-280S-8-001	37	740	77.4	93.1	0.78	7.9	1.8	2.0
LWYE4-280M-8-001	45	740	93.8	93.4	0.78	7.9	1.8	2.0
LWYE4-315S-8-001	55	740	111.5	93.7	0.80	8.2	1.6	2.0
LWYE4-315M-8-001	75	740	151	94.2	0.80	7.6	1.6	2.0
LWYE4-315L1-8-001	90	740	179	94.4	0.81	7.7	1.6	2.0
LWYE4-315L2-8-001	110	742	218	94.7	0.81	7.7	1.6	2.0
LWYE4-355M1-8-001	132	742	261	94.9	0.81	7.7	1.6	2.0
LWYE4-355M2-8-001	160	742	312	95.1	0.82	7.7	1.6	2.0
LWYE4-355L-8-001	200	742	388	95.4	0.82	7.8	1.6	2.0
LWYE4-3552-8-001	250	742	498	95.4	0.80	7.6	1.1	1.8
LWYE4-3553-8-001	315	745	627	95.4	0.80	7.6	0.9	1.8
LWYE4-4001-8-001	355	745	707	95.4	0.80	7.6	0.9	1.8
LWYE4-4002-8-001	400	745	796	95.4	0.80	7.6	0.9	1.8
LWYE4-4501-8-001	450	745	885	95.4	0.81	7.8	0.8	1.8
LWYE4-4502-8-001	500	745	983	95.4	0.81	7.8	0.8	1.8
LWYE4-4503-8-001	560	745	1101	95.4	0.81	7.8	0.8	1.8
LWYE4-4504-8-001	630	745	1239	95.4	0.81	7.8	0.8	1.8

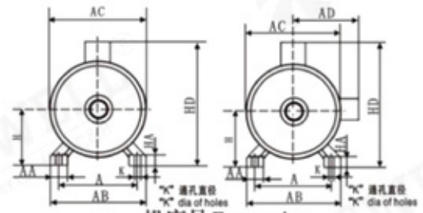
Mounting and Overall Dimensions(IM B3 H80-355)



机座号 Frame size
H80-132



机座号 Frame size
H160-355



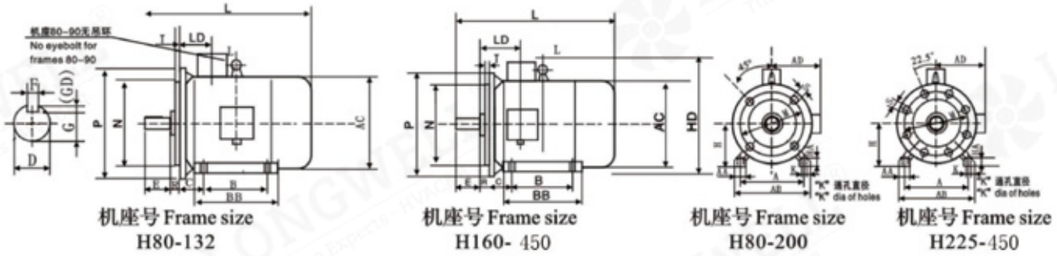
机座号 Frame size
H80- 450

Motor with feet on frame and without flange on end shields unit: mm

Frame	Poles	Mounting Dimension							Figure Size									
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L
80M	2,4	125	100	50	19	40	6	15.5	80	10	32	150	10	165	175	145	220	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	34	185	12	180	205	170	265	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	34	210	12	180	205	170	265	390
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	39	223	14	205	215	180	270	435
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	45	230	14	230	255	200	310	440
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	55	186	18	270	310	230	365	510
132M	4,6,8	216	178	89	38	80	10	33	132	12	55	224	18	270	310	230	365	550
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	65	304	20	320	340	260	425	730
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	65	334	20	320	340	260	425	760
180M	2,4	279	241	121	48	110	14	42.5	180	14.5	70	311	22	355	390	285	460	770
180L	4,6,8	279	279	121	48	110	14	42.5	180	14.5	70	349	22	355	390	285	460	800
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	74	379	26	395	445	320	520	860
225S	4,8	356	286	149	60	140	18	53	225	18.5	78	368	28	435	495	350	575	830
225M	2	356	311	149	55	110	16	49	225	18.5	78	393	28	435	495	350	575	830
225M	4,6,8	356	311	149	60	140	18	53	225	18.5	78	393	28	435	495	350	575	860
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	550	390	635	990
250M	4,6,8	406	349	168	65	140	18	58	250	24	80	445	30	490	550	390	635	990
280S	2	457	368	190	65	140	18	58	280	24	90	485	35	550	630	435	705	990
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	90	485	35	550	630	435	705	990
280M	2	457	419	190	65	140	18	58	280	24	90	536	35	550	630	435	705	1040
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	90	536	35	550	630	435	705	1040
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1180
315S	4,6,8	508	406	216	80	170	22	71	315	28	120	570	45	635	645	530	845	1290
315M	2	508	457	216	65	140	18	58	315	28	120	610	45	635	645	530	845	1210
315M	4,6,8	508	457	216	80	170	22	71	315	28	120	610	45	635	645	530	845	1320
315L	2	508	508	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1210
315L	4,6,8	508	508	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1320
355M	2	610	560	254	75	140	20	67.5	355	28	130	690	52	730	710	665	1010	1500
355M	4,6,8	610	560	254	95	170	25	86	355	28	130	690	52	730	710	665	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	130	750	52	730	710	665	1010	1500
355L	4,6,8	610	630	254	95	170	25	86	355	28	130	750	52	730	710	665	1010	1530
3551	2	630	800	224	80	170	22	71	355	35	130	950	52	760	770	760	1130	1870
3552	4,6,8	630	800	224	110	210	28	100	355	35	130	950	52	760	770	760	1130	1920
3553	4,6,8	630	800	224	110	210	28	100	355	35	130	950	52	760	770	760	1130	1920
400	2	710	900	224	85	170	22	76	400	35	120	1090	45	840	860	900	1260	1910
400	4,6,8	710	900	224	120	210	32	109	400	35	120	1090	45	840	860	900	1260	1975
450	2	800	1000	250	95	170	25	86	450	42	190	1295	52	990	960	940	1380	2070
450	4,6,8	800	1000	250	130	210	32	119	450	42	190	1295	52	990	960	940	1380	2110

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

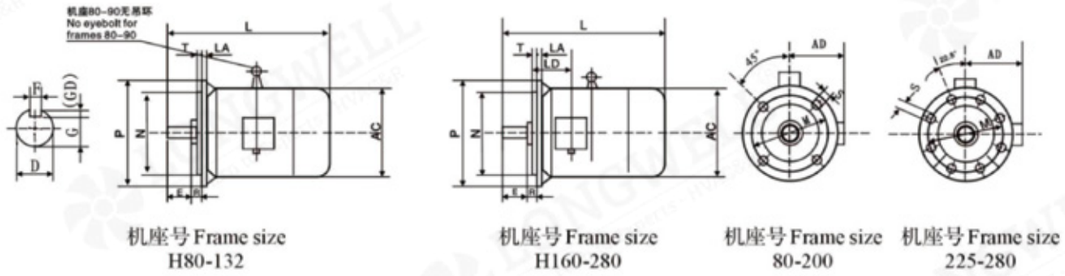
Mounting and Overall Dimensions(IM B35 H80-450)



Motor with feet on frame and flange (with through holes) on end shields unit: mm

Frame	Poles	Mounting Dimension														Figure Size								
		A	B	C	D	E	F	G	H	K	M	N	P	R	n-S	T	AA	BB	HA	AB	AC	AD	HD	L
80M	2,4	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-φ12	3.5	32	150	10	165	175	145	220	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-φ12	3.5	34	185	12	180	205	170	265	395
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-φ12	3.5	34	210	12	180	205	170	265	425
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	215	180	250	0	4-φ14.5	4.0	39	223	14	205	215	180	270	435
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	215	180	250	0	4-φ14.5	4.0	45	230	14	230	255	200	310	475
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	186	18	270	310	230	365	535
132M	4,6,8	216	178	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	224	18	270	310	230	365	550
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-φ14.5	5.0	65	304	20	320	340	260	425	730
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-φ14.5	5.0	65	334	20	320	340	260	425	760
180M	2,4	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-φ14.5	5.0	70	311	22	355	390	252	460	805
180L	4,6,8	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-φ14.5	5.0	70	349	22	355	390	252	460	835
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-φ14.5	5.0	74	379	26	395	445	320	520	890
225S	4,8	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-φ18.5	5.0	78	368	28	435	495	350	575	865
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	8-φ18.5	5.0	78	393	28	435	495	350	575	865
225M	4,6,8	356	311	149	60	140	18	53	225	18.5	400	350	450	0	8-φ18.5	5.0	78	393	28	435	495	350	575	895
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-φ18.5	5.0	80	445	30	490	550	390	635	995
250M	4,6,8	406	349	168	65	140	18	58	250	24	500	450	550	0	8-φ18.5	5.0	80	445	30	490	550	390	635	995
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	90	485	35	550	630	435	705	1030
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	90	485	35	550	630	435	705	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	90	536	35	550	630	435	705	1080
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	90	536	35	550	630	435	705	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-φ24	6.0	120	570	45	635	645	530	845	1180
315S	4,6,8	508	406	216	80	170	22	71	315	28	600	550	660	0	8-φ24	6.0	120	570	45	635	645	530	845	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-φ24	6.0	120	610	45	635	645	530	845	1210
315M	4,6,8	508	457	216	80	170	22	71	315	28	600	550	660	0	8-φ24	6.0	120	610	45	635	645	530	845	1320
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-φ24	6.0	120	680	45	635	645	530	845	1210
315L	4,6,8	508	508	216	80	170	22	71	315	28	600	550	660	0	8-φ24	6.0	120	680	45	635	645	530	845	1320
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-φ24	6.0	130	690	52	730	710	665	1010	1500
355M	4,6,8	610	560	254	95	170	25	86	355	28	740	680	800	0	8-φ24	6.0	130	690	52	730	710	665	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-φ24	6.0	130	750	52	730	710	665	1010	1500
355L	4,6,8	610	630	254	95	170	25	86	355	28	740	680	800	0	8-φ24	6.0	130	750	52	730	710	665	1010	1530
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	8-φ24	6.0	130	950	52	760	900	760	1130	1870
3552	4,6,8	630	800	224	110	210	28	100	355	35	840	780	900	0	8-φ24	6.0	130	950	52	760	900	760	1130	1920
3553	4,6,8	630	800	224	110	210	28	100	355	35	840	780	900	0	8-φ24	6.0	130	950	52	760	900	760	1130	1920
400	2	710	900	224	85	170	22	76	400	35	940	880	1000	0	8-φ28	6.0	120	1090	45	840	1000	900	1255	1910
400	4,6,8	710	900	224	120	210	32	109	400	35	940	880	1000	0	8-φ28	6.0	120	1090	45	840	1000	900	1255	1975
450	2	800	1000	250	95	170	25	86	450	42	1080	1000	1150	0	8-φ28	6.0	190	1295	52	990	1150	940	1380	2070
450	4,6,8	800	1000	250	130	210	32	119	450	42	1080	1000	1150	0	8-φ28	6.0	190	1295	52	990	1150	940	1380	2110

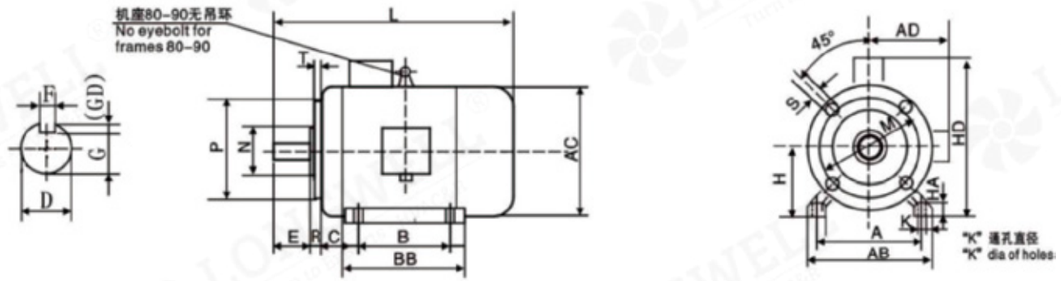
Mounting and Overall Dimensions(IM B5 H80-280)



Motor without feet on frame and with flange (with through holes) on end shields unit: mm

Frame	Poles	Mounting Dimension									Figure Size				
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HD	L
80M	2,4	19	40	6	15.5	165	130	200	0	4-φ12	3.5	175	145	/	305
90S	2,4,6	24	50	8	20	165	130	200	0	4-φ12	3.5	205	170	/	395
90L	2,4,6	24	50	8	20	165	130	200	0	4-φ12	3.5	205	170	/	425
100L	2,4,6,8	28	60	8	24	215	180	250	0	4-φ14.5	4.0	215	180	240	435
112M	2,4,6,8	28	60	8	24	215	180	250	0	4-φ14.5	4.0	255	200	275	475
132S	2,4,6,8	38	80	10	33	265	230	300	0	4-φ14.5	4.0	310	230	335	535
132M	4,6,8	38	80	10	33	265	230	300	0	4-φ14.5	4.0	310	230	335	550
160M	2,4,6,8	42	110	12	37	300	250	350	0	4-φ18.5	5.0	340	260	390	730
160L	2,4,6,8	42	110	12	37	300	250	350	0	4-φ18.5	5.0	340	260	390	760
180M	2,4	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	390	285	435	805
180L	4,6,8	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	390	285	435	835
200L	2,4,6,8	55	110	16	49	350	300	400	0	4-φ18.5	5.0	445	320	495	890
225S	4,8	60	140	18	53	400	350	450	0	8-φ18.5	5.0	495	350	550	865
225M	2	55	110	16	49	400	350	450	0	8-φ18.5	5.0	495	350	550	865
225M	4,6,8	60	140	18	53	400	350	450	0	8-φ18.5	5.0	495	350	550	895
250M	2	60	140	18	53	500	450	550	0	8-φ18.5	5.0	550	390	615	995
250M	4,6,8	65	140	18	58	500	450	550	0	8-φ18.5	5.0	550	390	615	995
280S	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	630	435	675	1030
280S	4,6,8	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	630	435	675	1030
280M	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	630	435	675	1080
280M	4,6,8	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	630	435	675	1080

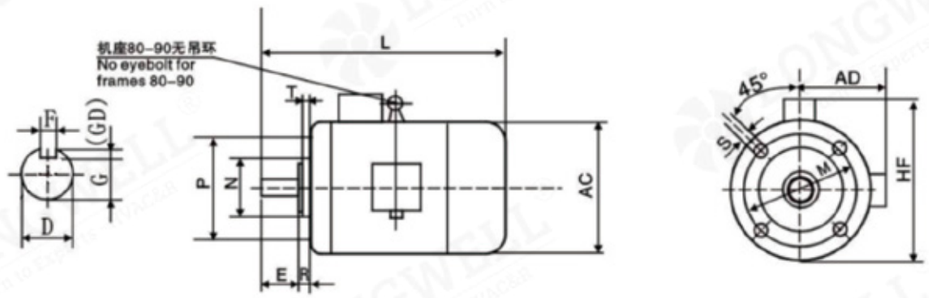
Mounting and Overall Dimensions(IM B34 H80-112)



Motor with feet on frame and flange (with tapped holes) on end shields unit: mm

Frame	Poles	Mounting Dimension															Figure Size			
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
80M	2,4	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3.0	165	175	145	220	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3.0	180	205	170	265	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3.0	180	205	170	265	390
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	205	215	180	270	435
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	230	255	200	310	440

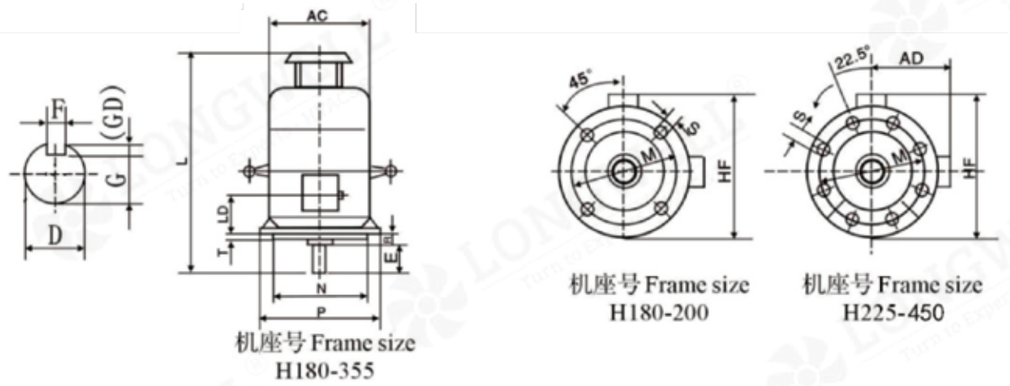
Mounting and Overall Dimensions(IM B14 H80-112)



Motor without feet on frame and with flange (with tapped holes) on end shields unit: mm

Frame	Poles	Mounting Dimension										Figure Size			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	100	80	120	0	4-M6	3.0	175	145	/	305
90S	2,4,6,8	24	50	8	20	115	95	140	0	4-M8	3.0	205	170	/	360
90L	2,4,6,8	24	50	8	20	115	95	140	0	4-M8	3.0	205	170	/	390
100L	2,4,6,8	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	245	435
112M	2,4,6,8	28	60	8	24	130	110	160	0	4-M8	3.5	255	200	275	440

Mounting and Overall Dimensions(IM V1 H180-355)



Vertical-mounted motor without feet on frame, with flange (with through holes) on end shields, and shaft extension downward unit: mm

Frame	Poles	Mounting Dimension										Figure Size			
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HF	L
180M	2,4	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	390	285	505	825
180L	2,4,6,8	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	390	285	505	845
200L	2,4,6,8	55	110	16	49	350	300	400	0	4-φ18.5	5.0	445	320	565	940
225S	4,8	60	140	18	53	400	350	450	0	8-φ18.5	5.0	495	350	625	945
225M	2	55	110	16	49	400	350	450	0	8-φ18.5	5.0	495	350	625	945
225M	4,6,8	60	140	18	53	400	350	450	0	8-φ18.5	5.0	495	350	625	975
250M	2	60	140	18	53	500	450	550	0	8-φ18.5	5.0	550	390	670	1095
250M	4,6,8	65	140	18	58	500	450	550	0	8-φ18.5	5.0	550	390	670	1095
280S	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	630	435	745	1155
280S	4,6,8	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	630	435	745	1155
280M	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	630	435	745	1195
280M	4,6,8	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	630	435	745	1195
315S	2	65	140	18	58	600	550	650	0	8-φ24	6.0	645	530	900	1280
315S	4,6,8	80	170	22	71	600	550	650	0	8-φ24	6.0	645	530	900	1400
315M	2	65	140	18	58	600	550	650	0	8-φ24	6.0	645	530	900	1310
315M	4,6,8	80	170	22	71	600	550	650	0	8-φ24	6.0	645	530	900	1430
315L	2	65	140	18	58	600	550	650	0	8-φ24	6.0	645	530	900	1310
315L	4,6,8	80	170	22	71	600	550	650	0	8-φ24	6.0	645	530	900	1430
355M	2	75	140	20	67.5	740	680	800	0	8-φ24	6.0	710	655	1010	1640
355M	4,6,8	95	170	25	86	740	680	800	0	8-φ24	6.0	710	655	1010	1670
355L	2	75	140	20	67.5	740	680	800	0	8-φ24	6.0	710	655	1010	1640
355L	4,6,8	95	170	25	86	740	680	800	0	8-φ24	6.0	710	655	1010	1670
3551	2	80	170	22	71	840	780	900	0	8-φ24	6.0	900	760	1220	1920
3552	4,6,8	110	210	28	100	840	780	900	0	8-φ24	6.0	900	760	1220	1970
3553	4,6,8	110	210	28	100	840	780	900	0	8-φ24	6.0	900	760	1220	1970
400	2	85	170	22	76	940	880	1000	0	8-φ28	6.0	1000	900	1255	1960
400	4,6,8	120	210	32	109	940	880	1000	0	8-φ28	6.0	1000	900	1255	2025
450	2	95	170	25	86	1080	1000	1150	0	8-φ28	6.0	1150	940	1500	2120
450	4,6,8	130	210	32	119	1080	1000	1150	0	8-φ28	6.0	1150	940	1500	2160