Engineered for the Critical

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



LONGWELL®
Turn to Experts - HVAC&R

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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

—— **LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor**

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

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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.

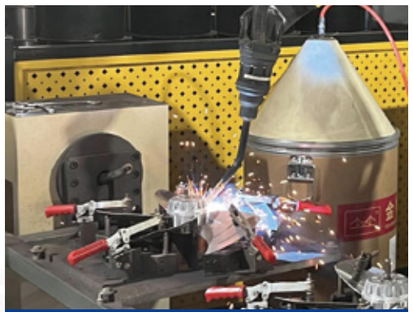
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

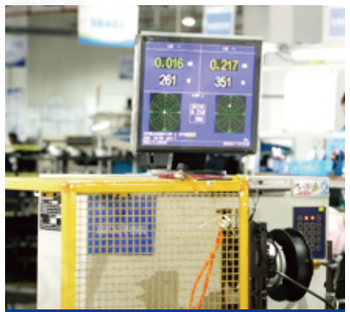
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

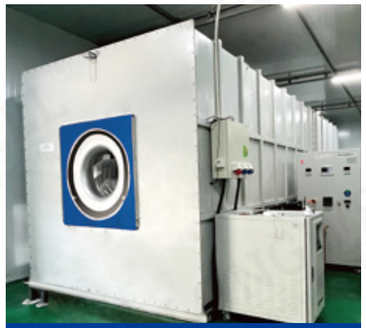


Balance Machine


Automatic Welding Machine


Production Line - Centrifugal Fan


Automatic CNC Machine


Air Dynamic Test Lab


Production Line - Axial Fans


Production Line

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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

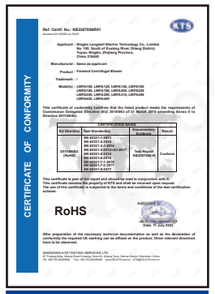

Own-Brand


Own-Brand


ETL


ETL

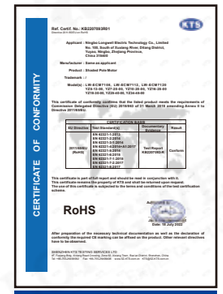

CE


RoHS


CE


CE


CE


RoHS


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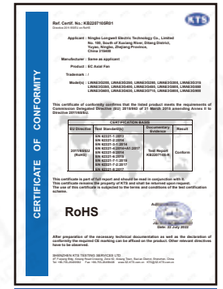

CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

LWYE3 Series Super 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 YE3 - 63M1 - 2 - 001

- 001 — Series Number
- 2 — Poles
- 63M1 — Centre Height of Frame Size
- YE3 — High Efficiency Three Phase Asynchronous Motor
- LW — Longwell

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LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor

Product Overview

LWYE3 series motor is developed with high efficiency in order to meet the requirements of the national energy conservation and emission reduction. It has advantages of high efficiency, low noise and good starting performance. It's widely used in the occasions of no special requirements, also as power mating of mechanical equipments such as compressor, pump, fan industries and so on.

Technical Parameters

1) Basic Parameters

Centre Height of Frame Size: 80-355mm

Power Range: 0.55-375kw

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

Protection Class: IP55

Insulation Class: I55(F)

Duty Type: S1(continuous), allow starting with full voltage

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

Technical Data of LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor,380V

Model	Rated Power(KW)	Rated Speed(r/min)	Rated Current(A)	Efficiency (η%)	Power Factor(cosΦ)	Locked-rotor Current/Rated Current(Ist/IN)	Locked-rotor Torque/Rated Torque(Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous speed 3000r/min								
LWYE3-63M1-2-001	0.18	2740	0.52	65.9	0.8	7.0	2.3	2.2
LWYE3-63M2-2-001	0.25	2740	0.67	69.7	0.81	7.0	2.3	2.2
LWYE3-71M1-2-001	0.37	2780	0.94	73.8	0.81	7.0	2.3	2.2
LWYE3-71M2-2-001	0.55	2780	1.31	77.8	0.82	7.0	2.3	2.3
LWYE3-80M1-2-001	0.75	2850	1.7	80.7	0.82	7.0	2.3	2.3
LWYE3-80M2-2-001	1.1	2850	2.4	82.7	0.83	7.6	2.2	2.3
LWYE3-90S-2-001	1.5	2890	3.2	84.2	0.84	7.9	2.2	2.3
LWYE3-90L-2-001	2.2	2890	4.6	85.9	0.85	7.9	2.2	2.3
LWYE3-100L-2-001	3	2890	6.0	87.1	0.87	8.5	2.2	2.3
LWYE3-112M-2-001	4	2910	7.8	88.1	0.88	8.5	2.2	2.3
LWYE3-132S1-2-001	5.5	2920	10.6	89.2	0.88	8.5	2.0	2.3
LWYE3-132S2-2-001	7.5	2920	14.4	90.1	0.88	8.5	2.0	2.3
LWYE3-160M1-2-001	11	2940	20.6	91.2	0.89	8.5	2.0	2.3
LWYE3-160M2-2-001	15	2940	27.9	91.9	0.89	8.5	2.0	2.3
LWYE3-160L-2-001	18.5	2940	34.2	92.4	0.89	8.5	2.0	2.3
LWYE3-180M-2-001	22	2955	40.5	92.7	0.89	8.5	2.0	2.3
LWYE3-200L1-2-001	30	2960	54.9	93.3	0.89	8.5	2.0	2.3
LWYE3-200L2-2-001	37	2960	67.4	93.7	0.89	8.5	2.0	2.3
LWYE3-225M-2-001	45	2965	80.8	94.0	0.90	8.0	2.0	2.3
LWYE3-250M-2-001	55	2970	98.5	94.3	0.90	8.0	2.0	2.3
LWYE3-280S-2-001	75	2975	134	94.7	0.90	7.5	1.8	2.3
LWYE3-280M-2-001	90	2975	160	95.0	0.90	7.5	1.8	2.3
LWYE3-315S-2-001	110	2980	195	95.2	0.90	7.5	1.8	2.3
LWYE3-315M-2-001	132	2980	234	95.4	0.90	7.5	1.8	2.3
LWYE3-315L1-2-001	160	2980	279	95.6	0.91	7.5	1.8	2.3
LWYE3-315L2-2-001	200	2980	349	95.8	0.91	7.5	1.8	2.2
LWYE3-355M-2-001	250	2982	436	95.8	0.91	7.5	1.6	2.2
LWYE3-355L-2-001	315	2982	549	95.8	0.91	7.5	1.6	2.2

Technical Data of LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor,380V

Model	Rated Power(KW)	Rated Speed(r/min)	Rated Current(A)	Efficiency (η%)	Power Factor(cosΦ)	Locked-rotor Current/Rated Current(Ist/IN)	Locked-rotor Torque/Rated Torque(Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous speed 1500r/min								
LWYE3-63M1-4-001	0.12	1340	0.39	64.8	0.72	6.6	2.1	2.2
LWYE3-63M2-4-001	0.18	1340	0.54	69.9	0.73	6.6	2.1	2.2
LWYE3-71M1-4-001	0.25	1355	0.70	73.5	0.74	6.6	2.1	2.2
LWYE3-71M2-4-001	0.37	1355	0.97	77.3	0.75	6.6	2.1	2.2
LWYE3-80M1-4-001	0.55	1430	1.38	80.8	0.75	6.6	2.4	2.3
LWYE3-80M2-4-001	0.75	1430	1.8	82.5	0.75	6.6	2.3	2.3
LWYE3-90S-4-001	1.1	1435	2.6	84.1	0.76	6.8	2.3	2.3
LWYE3-90L-4-001	1.5	1435	3.5	85.3	0.77	7	2.3	2.3
LWYE3-100L1-4-001	2.2	1450	4.8	86.7	0.81	7.6	2.3	2.3
LWYE3-100L2-4-001	3	1450	6.3	87.7	0.82	7.6	2.3	2.3
LWYE3-112M-4-001	4	1455	8.4	88.6	0.82	7.8	2.2	2.3
LWYE3-132S-4-001	5.5	1460	11.2	89.6	0.83	7.9	2.0	2.3
LWYE3-132M-4-001	7.5	1460	15.0	90.4	0.84	7.5	2.0	2.3
LWYE3-160M-4-001	11	1470	21.5	91.4	0.85	7.7	2.2	2.3
LWYE3-160L-4-001	15	1470	28.8	92.1	0.86	7.8	2.2	2.3
LWYE3-180M-4-001	18.5	1475	35.3	92.6	0.86	7.8	2.0	2.3
LWYE3-180L-4-001	22	1475	41.8	93.0	0.86	7.8	2.0	2.3
LWYE3-200L-4-001	30	1475	56.6	93.6	0.86	7.3	2.0	2.3
LWYE3-225S-4-001	37	1480	69.6	93.9	0.86	7.4	2.0	2.3
LWYE3-225M-4-001	45	1480	84.4	94.2	0.86	7.4	2.0	2.3
LWYE3-250M-4-001	55	1482	103	94.6	0.86	7.4	2.2	2.3
LWYE3-280S-4-001	75	1485	136	95.0	0.88	6.9	2.0	2.3
LWYE3-280M-4-001	90	1485	163	95.2	0.88	6.9	2.0	2.3
LWYE3-315S-4-001	110	1488	197	95.4	0.89	7.0	2.0	2.2
LWYE3-315M-4-001	132	1488	236	95.6	0.89	7.0	2.0	2.2
LWYE3-315L1-4-001	160	1488	285	95.8	0.89	7.1	2.0	2.2
LWYE3-315L2-4-001	200	1488	352	96.0	0.90	7.1	2.0	2.2
LWYE3-355M-4-001	250	1490	440	96.0	0.90	7.1	2.0	2.2
LWYE3-355L-4-001	315	1490	554	96.0	0.90	7.1	2.0	2.2

Technical Data of LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor,380V

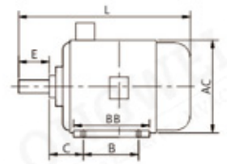
Model	Rated Power(KW)	Rated Speed(r/min)	Rated Current(A)	Efficiency (η%)	Power Factor(cosΦ)	Locked-rotor Current/Rated Current(Ist/IN)	Locked-rotor Torque/Rated Torque(Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous speed 1000r/min								
LWYE3-71M1-6-001	0.18	875	0.65	63.9	0.66	6.0	1.9	2.0
LWYE3-71M2-6-001	0.25	875	0.81	68.6	0.68	6.0	1.9	2.0
LWYE3-80M1-6-001	0.37	900	1.09	73.5	0.70	6.0	1.9	2.0
LWYE3-80M2-6-001	0.55	900	0.5	77.2	0.72	6.0	1.9	2.1
LWYE3-90S-6-001	0.75	930	2	78.9	0.71	6.0	2.0	2.1
LWYE3-90L-6-001	1.1	930	2.8	81.0	0.73	6.0	2.0	2.1
LWYE3-100L-6-001	1.5	950	3.8	82.5	0.73	6.5	2.0	2.1
LWYE3-112M-6-001	2.2	960	5.4	84.3	0.74	6.6	2.0	2.1
LWYE3-132S-6-001	3	970	7.2	85.6	0.74	6.8	2.0	2.1
LWYE3-132M1-6-001	4	970	9.5	86.8	0.74	6.8	2.0	2.1
LWYE3-132M2-6-001	5.5	970	12.7	88.0	0.75	7.0	2.0	2.1
LWYE3-160M-6-001	7.5	975	16.2	89.1	0.79	7.0	2.0	2.1
LWYE3-160L-6-001	11	975	23.1	90.3	0.8	7.2	2.0	2.1
LWYE3-180L-6-001	15	980	30.9	91.2	0.81	7.3	2.0	2.1
LWYE3-200L1-6-001	18.5	980	37.8	91.7	0.81	7.3	2.0	2.1
LWYE3-200L2-6-001	22	980	44.8	92.2	0.81	7.4	2.0	2.1
LWYE3-225M-6-001	30	985	59.1	92.9	0.83	6.9	2.0	2.1
LWYE3-250M-6-001	37	985	71.7	93.3	0.84	7.1	2.0	2.1
LWYE3-280S-6-001	45	990	85.8	93.7	0.85	7.3	2.0	2.0
LWYE3-280M-6-001	55	990	103	94.1	0.86	7.3	2.0	2.0
LWYE3-315S-6-001	75	990	143	94.6	0.84	6.6	2.0	2.0
LWYE3-315M-6-001	90	990	170	94.9	0.85	6.7	2.0	2.0
LWYE3-315L1-6-001	110	990	207	95.1	0.85	6.7	2.0	2.0
LWYE3-315L2-6-001	132	990	224	95.4	0.86	6.8	2.0	2.0
LWYE3-355M1-6-001	160	992	296	95.6	0.86	6.8	1.8	2.0
LWYE3-355M2-6-001	200	992	365	95.8	0.87	6.8	1.8	2.0
LWYE3-355L-6-001	250	992	456	95.8	0.87	6.8	1.8	2.0

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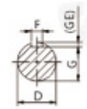
Technical Data of LWYE3 Series Super High Efficiency Three Phase Asynchronous Motor,380V

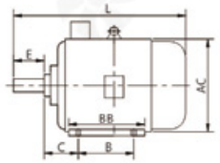
Model	Rated Power(KW)	Rated Speed(r/min)	Rated Current(A)	Efficiency (η%)	Power Factor(cosΦ)	Locked-rotor Current/Rated Current(Ist/IN)	Locked-rotor Torque/Rated Torque(Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous speed 750r/min								
LWYE3-80M1-8-001	0.18	660	0.5	58.7	0.61	5.2	1.8	1.9
LWYE3-80M2-8-001	0.25	660	1.0	64.1	0.61	5.7	1.8	1.9
LWYE3-90S-8-001	0.37	680	1.3	70.1	0.61	6.2	1.8	1.9
LWYE3-90L-8-001	0.55	680	1.9	73.0	0.61	5.9	1.8	2.0
LWYE3-100L1-8-001	0.75	690	2.3	75.0	0.67	6.2	1.8	2.0
LWYE3-100L2-8-001	1.1	690	3.1	77.7	0.69	6.2	1.8	2.0
LWYE3-112M-8-001	1.5	695	4.1	79.7	0.70	6.7	1.8	2.0
LWYE3-132S-8-001	2.2	710	5.7	81.9	0.71	6.7	1.8	2.0
LWYE3-132M-8-001	3	710	7.5	83.5	0.73	6.9	1.8	2.0
LWYE3-160M1-8-001	4	720	9.8	84.8	0.73	6.9	1.9	2.0
LWYE3-160M2-8-001	5.5	720	13.1	86.2	0.7	6.9	1.9	2.0
LWYE3-160L-8-001	7.5	720	17.4	87.3	0.75	6.6	1.9	2.0
LWYE3-180L-8-001	11	725	25.2	88.6	0.75	6.6	2.0	2.0
LWYE3-200L-8-001	15	730	33.5	89.6	0.76	6.8	2.0	2.0
LWYE3-225S-8-001	18.5	735	41.0	90.1	0.76	6.8	1.9	2.0
LWYE3-225M-8-001	22	735	47.3	90.6	0.78	7.0	1.9	2.0
LWYE3-250M-8-001	30	735	63.2	91.3	0.79	6.7	1.9	2.0
LWYE3-280S-8-001	37	740	77.5	91.8	0.79	6.7	1.9	2.0
LWYE3-280M-8-001	45	740	93.9	92.2	0.79	6.7	1.9	2.0
LWYE3-315S-8-001	55	740	112	92.5	0.81	6.8	1.8	2.0
LWYE3-315M-8-001	75	740	151	93.1	0.81	6.3	1.8	2.0
LWYE3-315L1-8-001	90	740	179	93.4	0.82	6.4	1.8	2.0
LWYE3-315L2-8-001	110	740	218	93.7	0.82	6.4	1.8	2.0
LWYE3-355M1-8-001	132	742	260	94.0	0.82	6.4	1.8	2.0
LWYE3-355M2-8-001	160	742	314	94.3	0.82	6.4	1.8	2.0
LWYE3-355L-8-001	200	742	387	94.6	0.83	6.4	1.8	2.0
Synhronous speed 600r/min								
LWYE3-315S-10-001	45	590	99	92.0	0.75	6.2	1.5	2.0
LWYE3-315M-10-001	55	590	121	92.0	0.75	6.2	1.5	2.0
LWYE3-315L1-10-001	75	590	162	92.8	0.76	5.8	1.5	2.0
LWYE3-315L2-10-001	90	590	191	93	0.77	5.9	1.5	2.0
LWYE3-355M1-10-001	110	592	230	93.3	0.78	6	1.3	2.0
LWYE3-355M2-10-001	132	592	274	93.8	0.78	6.1	1.3	2.0
LWYE3-355L-10-001	160	592	332	93.8	0.78	6.1	1.3	2.0

Outline and Mounting Dimensions of LWYE3 series Asynchronous Motor

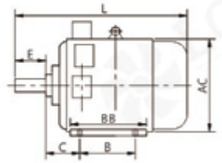


机座号80~90

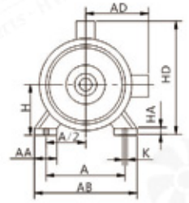




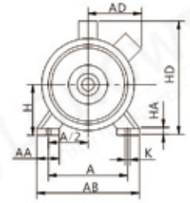
机座号100~132



机座号160~355
机座号3551，3552



机座号80~355

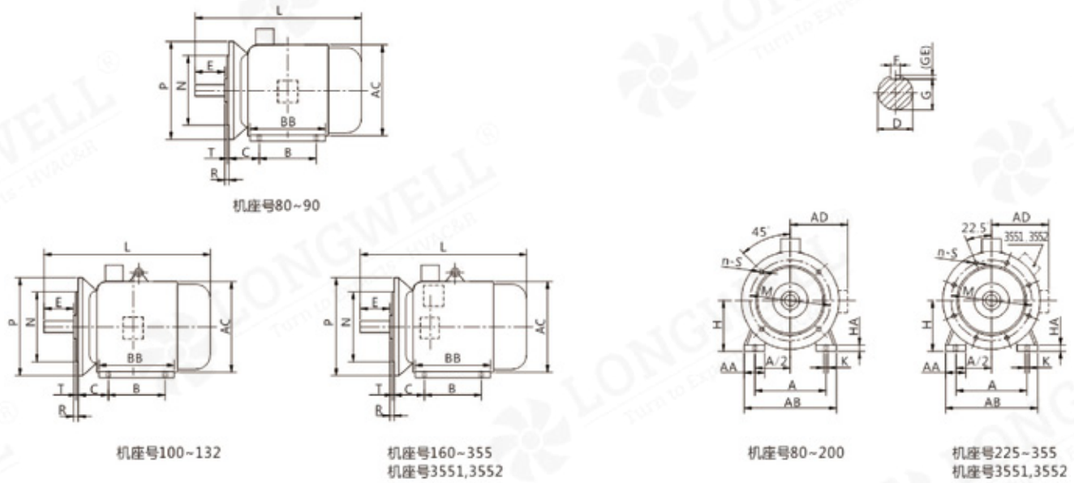


机座号3551，3552

Electric motor with foot-mounted frame and no flange on the end shield 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	2,4,6	125	100	50	19	40	6	15.5	80	10	34	135	10	165	175	145	230	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	36	140	12	180	195	155	260	360
100L	2,4,6	160	140	63	28	60	8	24	100	12	40	176	14	205	215	180	280	435
112M	2,4,6	190	140	70	28	60	8	24	112	12	45	180	14	230	240	190	300	470
132S	2,4,6	216	140	89	38	80	10	33	132	12	55	186	18	270	275	210	345	510
132M	2,4,6	216	178	89	38	80	10	33	132	12	55	224	18	270	275	210	345	560
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	65	260	20	320	330	255	420	670
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	65	304	20	320	330	255	420	700
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	70	311	22	355	380	280	455	740
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	70	349	22	355	380	280	455	790
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	70	369	26	395	420	305	505	790
225S	4	356	286	149	60	140	18	53	225	18.5	75	368	28	435	470	355	560	830
225M	2	356	311	149	55	110	16	49	225	18.5	75	393	28	435	470	355	560	825
225M	4,6	356	311	149	60	140	18	53	225	18.5	75	393	28	435	470	355	560	825
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	370	615	915
250M	4,6	406	349	168	65	140	18	58	250	24	80	445	30	490	510	370	615	915
280S	2	457	368	190	65	140	18	58	280	24	85	485	35	550	580	410	680	985
280S	4,6	457	368	190	75	140	20	67.5	280	24	85	485	35	550	580	410	680	985
280M	2	457	419	190	65	140	18	58	280	24	85	536	35	550	580	410	680	1035
280M	4,6	457	419	190	75	140	20	67.5	280	24	85	536	35	550	580	410	680	1035
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1180
315S	4,6	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	680	45	635	645	530	845	1320
315M	4,6	508	457	216	80	170	22	71	315	28	120	680	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	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	120	750	52	730	710	655	1010	1500
355M	4,6	610	560	254	95	170	25	86	355	28	120	750	52	730	710	655	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	120	750	52	730	710	655	1010	1500
355L	4,6	610	630	254	95	170	25	86	355	28	120	750	52	730	710	655	1010	1530
3551	2	630	800	224	80	170	22	71	355	35	-	-	-	760	770	760	1130	1870
3552	4,6	630	800	224	110	210	28	100	355	35	-	-	-	760	770	760	1130	1920

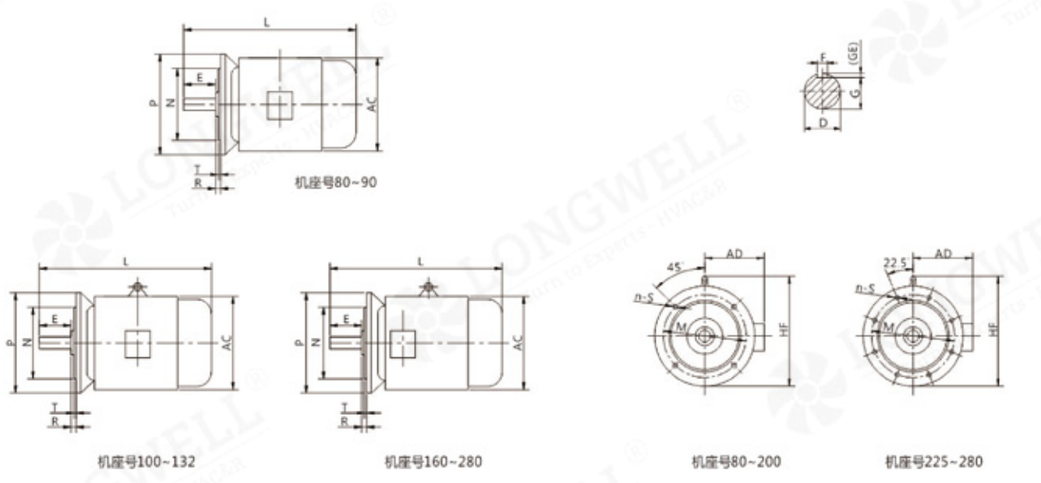
Outline and Mounting Dimensions of LWYE3 series Asynchronous Motor



Electric motor with foot-mounted frame and a flanged end shield (with through holes) 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	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-φ12	3.5	34	135	10	165	175	145	230	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-φ12	3.5	36	140	12	180	195	155	260	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-φ12	3.5	36	165	12	180	195	155	260	390
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-φ14.5	4.0	40	176	14	205	215	180	280	435
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-φ14.5	4.0	45	180	14	230	240	190	300	470
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	186	18	270	275	210	345	510
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	224	18	270	275	210	345	560
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-φ18.5	5.0	65	260	20	320	330	255	420	670
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-φ18.5	5.0	65	304	20	320	330	255	420	700
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-φ18.5	5.0	70	311	22	355	380	280	455	740
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-φ18.5	5.0	70	349	22	355	380	280	455	790
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-φ18.5	5.0	70	369	26	395	420	305	505	790
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-φ18.5	5.0	75	368	28	435	470	355	560	830
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	8-φ18.5	5.0	75	393	28	435	470	355	560	825
225M	4,6	356	311	149	60	140	18	53	225	18.5	400	350	450	0	8-φ18.5	5.0	75	393	28	435	470	355	560	855
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-φ18.5	5.0	80	445	30	490	510	370	615	915
250M	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-φ18.5	5.0	80	445	30	490	510	370	615	915
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	85	485	35	550	580	410	680	985
280S	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	85	485	35	550	580	410	680	985
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	85	536	35	550	580	410	680	1035
280M	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	85	536	35	550	580	410	680	1035
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	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	680	45	635	645	530	845	1320
315M	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-φ24	6.0	120	680	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	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	120	750	52	730	710	655	1010	1500
355M	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-φ24	6.0	120	750	52	730	710	655	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-φ24	6.0	120	750	52	730	710	655	1010	1500
355L	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-φ24	6.0	120	750	52	730	710	655	1010	1530
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	8-φ24	6.0	-	-	-	760	900	760	1130	1870
3552	4,6	630	800	224	110	210	28	100	355	35	840	780	900	0	8-φ24	6.0	-	-	-	760	900	760	1130	1920

Outline and Mounting Dimensions of LWYE3 series Asynchronous Motor

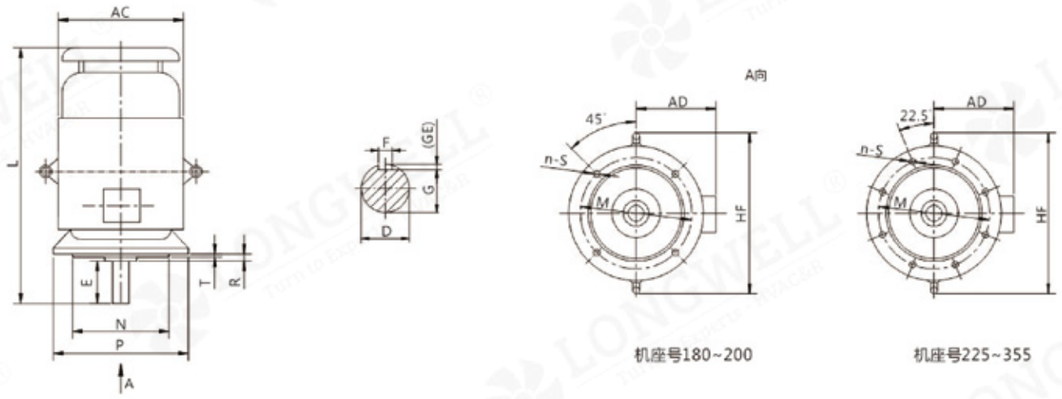


Electric motor with a footless frame and a flanged end shield (with through holes) unit: mm

Frame	Poles	Mounting Dimension									Number of flange holes	Figure Size			
		D	E	F	G	M	N	P	R	n-S	T		AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-φ12	3.5	4	175	145	185	305
90S	2,4,6	24	50	8	20	165	130	200	0	4-φ12	3.5	4	195	155	195	360
90L	2,4,6	24	50	8	20	165	130	200	0	4-φ12	3.5	4	195	155	195	390
100L	2,4,6	28	60	8	24	215	180	250	0	4-φ14.5	4.0	4	215	180	245	435
112M	2,4,6	28	60	8	24	215	180	250	0	4-φ14.5	4.0	4	240	190	265	470
132S	2,4,6	38	80	10	33	265	230	300	0	4-φ14.5	4.0	4	275	210	315	510
132M	2,4,6	38	80	10	33	265	230	300	0	4-φ14.5	4.0	4	275	210	315	550
160M	2,4,6	42	110	12	37	300	250	350	0	4-φ18.5	5.0	4	330	255	385	730
160L	2,4,6	42	110	12	37	300	250	350	0	4-φ18.5	5.0	4	330	255	385	760
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	4	380	280	430	770
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	4	380	280	430	800
200L	2,4,6	55	110	16	49	350	300	400	0	4-φ18.5	5.0	4	420	305	480	860
225S	4	60	140	18	53	400	350	450	0	8-φ18.5	5.0	8	470	335	535	830
225M	2	55	110	16	49	400	350	450	0	8-φ18.5	5.0	8	470	335	535	830
225M	4,6	60	140	18	53	400	350	450	0	8-φ18.5	5.0	8	470	335	535	860
250M	2	60	140	18	53	500	450	550	0	8-φ18.5	5.0	8	510	370	595	990
250M	4,6	65	140	18	58	500	450	550	0	8-φ18.5	5.0	8	510	370	595	990
280S	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	8	580	410	650	990
280S	4,6	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	8	580	410	650	990
280M	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	8	580	410	650	1040
280M	4,6	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	8	580	410	650	1040

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Outline and Mounting Dimensions of LWYE3 series Asynchronous Motor



Vertical-mounted electric motor with footless frame, flanged end shield (with through holes), and shaft extending 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	2,4,6	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	380	280	430	825
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-φ18.5	5.0	380	280	430	845
200L	2,4,6	55	110	16	49	350	300	400	0	4-φ18.5	5.0	420	305	480	940
225S	4	60	140	18	53	400	350	450	0	8-φ18.5	5.0	470	335	610	945
225M	2	55	110	16	49	400	350	450	0	8-φ18.5	5.0	470	335	610	945
225M	4,6	60	140	18	53	400	350	450	0	8-φ18.5	5.0	470	335	610	975
250M	2	60	140	18	53	500	450	550	0	8-φ18.5	5.0	510	370	650	1095
250M	4,6	65	140	18	58	500	450	550	0	8-φ18.5	5.0	510	370	650	1095
280S	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	580	410	720	1155
280S	4,6	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	580	410	720	1155
280M	2	65	140	18	58	500	450	550	0	8-φ18.5	5.0	580	410	720	1195
280M	4,6	75	140	20	67.5	500	450	550	0	8-φ18.5	5.0	580	410	720	1195
315S	2	65	140	18	58	600	550	660	0	8-φ24	6.0	645	530	900	1280
315S	4,6	80	170	22	71	600	550	660	0	8-φ24	6.0	645	530	900	1400
315M	2	65	140	18	58	600	550	660	0	8-φ24	6.0	645	530	900	1310
315M	4,6	80	170	22	71	600	550	660	0	8-φ24	6.0	645	530	900	1430
315L	2	65	140	18	58	600	550	660	0	8-φ24	6.0	645	530	900	1310
315L	4,6	80	170	22	71	600	550	660	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	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	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	110	210	28	100	840	780	900	0	8-φ24	6.0	900	760	1220	1970