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

—— **LWYE5 Series Three-phase Asynchronous Motor**

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

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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.

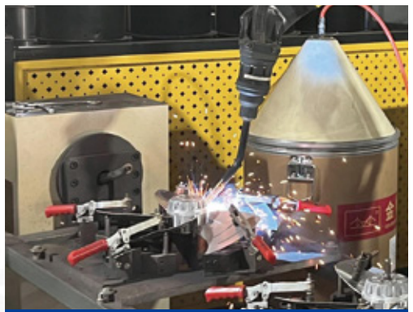
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

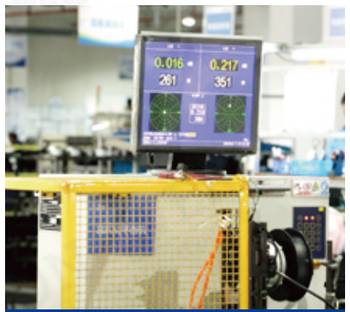
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

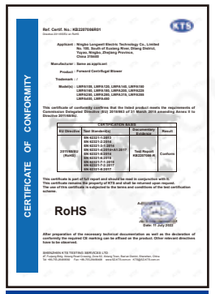

Own-Brand


Own-Brand


ETL


ETL

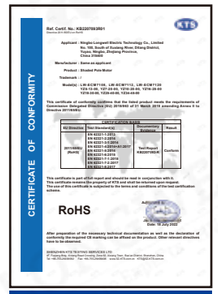

CE


RoHS


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ISO 9001


ISO 9001


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LONGWELL®
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LWYE5 Series Three-phase Asynchronous Motor

Professional HVAC Fan &Motors Manufacturer



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Type Code

LW Y E5 - 80 M 1 - 2 - 001

- 001 — Series Number
- 2 — Poles
- 1 — Core Length Code
- M — Frame Length Code
  S-Short frame M-Medium frame L-Long frame
- 80 — Shaft Center Height
- E5 — IE5 Efficiency Level
- Y — Three Phase Asynchronous Motor
- LW — Longwell

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LWYE5 Series Three-phase Asynchronous Motor

Product Overview

This series of motors is an ultra-high-efficency and energy-saving fuly enclosed self-fan three-phase asynchronous motor independently developed by our company, and its efficiency conforms to the provisions of the first-class energy efficiency level in GB 18613-2020 "Enery Efficiency Limits and Energy Efficiency Grades of Small and Medium-sized Three-phase Asynchronous Motors". And the interchangeability is strong, its installation size is consistent with LWYE3,LWYE4 series motors, and has the advantages of higher load bearing, efficiency,torque,starting performance, insulation grade and low noise, easy use and maintenance.

This series of motors can be used in various fields of the national economy: such as woodworking machine tools, water pumps, fans, compressors, air compressors and transportation machinery and other general machinery and equipmen, and can also be used in petroleum, chemical, mining, steel and other places that do not contain flammable, explosive or corrosive gases in relatively harsh environments.

Technical Parameters

1) Basic Parameters

Center Height Range: 80~355mm

Power Range: 0.75~315kw

Rated Voltage: 380V 50Hz (other voltages and frequencies can be customized)

Degree of Protection: IP55

Thermal Classification: 155(F)

Working System: S1

Cooling Method: IC411

The rated power of 3kW and below is Y-connected, and above 3kW is △-connected

2) Conditions of Use

Working Environment Temperature: -15°C~+40°C

Altitude Reauirements: no more than 1000 meters

If there are other special environment and altitude requirements, please put it forward when ordering.

Structure and Installation Method

Frame Size	Structure and Installation Code(IM)
80~112	B3,B5, B6, B7, B8, B14, B34, B35, V1, V3,V5, V6, V15, V17, V18, V19, V35, V37
80~160	B3, B5, B6, B7, B8, B35, V1, V3, V5, V6, V15,V35
180~280	B3, B5, B35, V1
315~355	B3, B35, V1

Technical Data of LWYE5 Series Three-phase Asynchronous Motor, 380V/50Hz

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 (Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous Speed 3000r/min								
LWYE5-80M1-2-001	0.75	2890	1.59	86.3	0.83	8.5	2.2	2.3
LWYE5-80M2-2-001	1.1	2890	2.29	87.8	0.83	8.5	2.2	2.3
LWYE5-90S-2-001	1.5	2895	3.02	88.9	0.85	9.0	2.2	2.3
LWYE5-90L-2-001	2.2	2895	4.31	90.2	0.86	9.0	2.2	2.3
LWYE5-100L-2-001	3	2910	5.75	91.1	0.87	9.5	2.2	2.3
LWYE5-112M-2-001	4	2915	7.52	91.8	0.88	9.5	2.2	2.3
LWYE5-132S1-2-001	5.5	2950	10.3	92.6	0.88	9.5	2.0	2.3
LWYE5-132S2-2-001	7.5	2950	13.7	93.3	0.89	9.5	2.0	2.3
LWYE5-160M1-2-001	11	2955	20.0	94.0	0.89	9.5	2.0	2.3
LWYE5-160M2-2-001	15	2955	27.1	94.5	0.89	9.5	2.0	2.3
LWYE5-160L-2-001	18.5	2955	33.3	94.9	0.89	9.5	2.0	2.3
LWYE5-180M-2-001	22	2970	39.5	95.1	0.89	9.5	2.0	2.3
LWYE5-200L1-2-001	30	2975	53.6	95.5	0.89	9.0	2.0	2.3
LWYE5-200L2-2-001	37	2975	65.9	95.8	0.89	9.0	2.0	2.3
LWYE5-225M-2-001	45	2975	80.0	96.0	0.89	9.0	2.0	2.3
LWYE5-250M-2-001	55	2985	97.6	96.2	0.89	9.0	2.0	2.3
LWYE5-280S-2-001	75	2985	133	96.5	0.89	8.5	1.8	2.3
LWYE5-280M-2-001	90	2985	159	96.6	0.89	8.5	1.8	2.3
LWYE5-315S-2-001	110	2990	194	96.8	0.89	8.5	1.8	2.3
LWYE5-315M-2-001	132	2990	233	96.9	0.89	8.5	1.8	2.3
LWYE5-315L1-2-001	160	2990	278	97.0	0.90	8.5	1.8	2.2
LWYE5-315L2-2-001	200	2990	347	97.2	0.90	8.5	1.8	2.2
LWYE5-355M-2-001	250	2900	429.4	97.2	0.91	8.5	1.6	2.2
LWYE5-355L-2-001	315	2900	541	97.2	0.91	8.5	1.6	2.2

Technical Data of LWYE5 Series Three-phase Asynchronous Motor, 380V/50Hz

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 (Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous Speed 1500r/min								
LWYE5-80M1-4-001	0.55	1440	1.3	86.7	0.75	8.5	2.3	2.3
LWYE5-80M2-4-001	0.75	1440	1.7	88.2	0.75	8.5	2.3	2.3
LWYE5-90S-4-001	1.1	1445	2.5	89.5	0.75	8.5	2.3	2.3
LWYE5-90L-4-001	1.5	1445	3.3	90.4	0.76	9.0	2.3	2.3
LWYE5-100L1-4-001	2.2	1460	4.6	91.4	0.80	9.0	2.3	2.3
LWYE5-100L2-4-001	3	1460	6.1	92.1	0.81	9.5	2.3	2.3
LWYE5-112M-4-001	4	1465	8.1	92.8	0.81	9.5	2.3	2.3
LWYE5-132S-4-001	5.5	1475	11	93.4	0.81	9.5	2.0	2.3
LWYE5-132M-4-001	7.5	1475	14.6	94.0	0.83	9.5	2.0	2.3
LWYE5-160M-4-001	11	1475	20.8	94.6	0.85	9.5	2.0	2.3
LWYE5-160L-4-001	15	1475	28.2	95.1	0.85	9.5	2.0	2.3
LWYE5-180M-4-001	18.5	1482	34.3	95.3	0.86	9.5	2.0	2.3
LWYE5-180L-4-001	22	1482	40.7	95.5	0.86	9.5	2.0	2.3
LWYE5-200L-4-001	30	1485	54.6	95.9	0.87	9.0	2.0	2.3
LWYE5-225S-4-001	37	1485	67.2	96.1	0.87	9.0	2.0	2.3
LWYE5-225M-4-001	45	1485	81.6	96.3	0.87	9.0	2.0	2.3
LWYE5-250M-4-001	55	1490	98	96.5	0.88	9.0	2.0	2.3
LWYE5-280S-4-001	75	1490	134	96.7	0.88	8.5	2.0	2.3
LWYE5-280M-4-001	90	1490	159	96.9	0.89	8.5	2.0	2.3
LWYE5-315S-4-001	110	1490	194	97.0	0.89	8.5	1.8	2.2
LWYE5-315M-4-001	132	1490	232	97.1	0.89	8.5	1.8	2.2
LWYE5-315L1-4-001	160	1490	278	97.2	0.90	8.5	1.8	2.2
LWYE5-315L2-4-001	200	1490	347	97.4	0.90	8.5	1.6	2.2
LWYE5-355M-4-001	250	1490	433	97.4	0.90	8.5	1.6	2.2
LWYE5-355L-4-001	315	1490	546	97.4	0.90	8.5	1.6	2.2

Technical Data of LWYE5 Series Three-phase Asynchronous Motor, 380V/50Hz

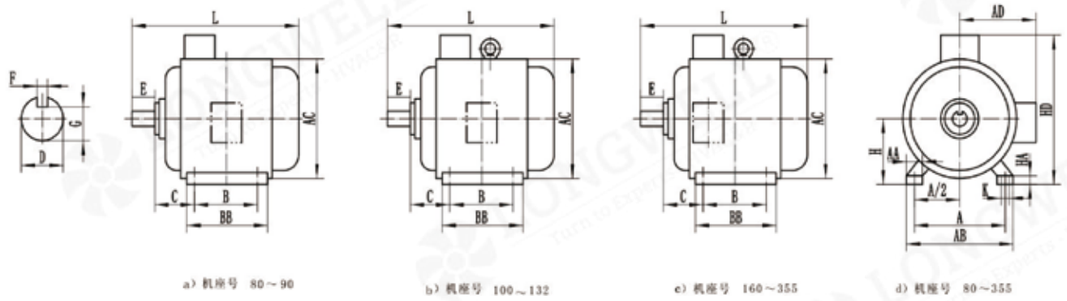
Model	Rated Power (KW)	Rated Speed (r/min)	Rated Current (A)	Efficiency (η%)	Power Factor (cosΦ)	Max Torque Rated Torque (Ist/IN)	Stall Torque Rated Torque (Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous Speed 1000r/min								
LWYE5-90S-6-001	0.75	955	1.8	85.7	0.72	7.5	2.1	2.1
LWYE5-90L-6-001	1.1	955	2.6	87.2	0.73	7.5	2.1	2.1
LWYE5-100L-6-001	1.5	965	3.5	88.4	0.74	7.5	2.1	2.1
LWYE5-112M-6-001	2.2	970	5.0	89.7	0.74	7.5	2.1	2.1
LWYE5-132S-6-001	3	975	6.8	90.6	0.74	7.5	2.0	2.1
LWYE5-132M1-6-001	4.0	975	9.0	91.4	0.74	8.0	2.0	2.1
LWYE5-132M2-6-001	5.5	975	12.1	92.2	0.75	8.0	2.0	2.1
LWYE5-160M-6-001	7.5	980	15.7	92.9	0.78	8.0	2.0	2.1
LWYE5-160L-6-001	11	980	22.9	93.7	0.78	8.5	2.0	2.1
LWYE5-180L-6-001	15	985	29.8	94.3	0.81	8.5	2.0	2.1
LWYE5-200L1-6-001	18.5	985	36.7	94.6	0.81	8.5	2.0	2.1
LWYE5-200L2-6-001	22	985	43.0	94.9	0.82	8.5	2.0	2.1
LWYE5-225M-6-001	30	990	58.3	95.3	0.82	8.3	2.0	2.1
LWYE5-250M-6-001	37	990	70.0	95.6	0.84	8.3	2.0	2.1
LWYE5-280S-6-001	45	990	83.0	95.8	0.86	8.5	2.0	2.0
LWYE5-280M-6-001	55	990	101.2	96.0	0.86	8.5	2.0	2.0
LWYE5-315S-6-001	75	990	139	96.3	0.85	8.0	1.6	2.0
LWYE5-315M-6-001	90	995	169	96.5	0.84	8.0	1.6	2.0
LWYE5-315L1-6-001	110	995	204	96.6	0.85	8.0	1.6	2.0
LWYE5-315L2-6-001	132	995	241	96.8	0.86	8.0	1.6	2.0
LWYE5-355M1-6-001	160	995	292	96.9	0.86	8.0	1.6	2.0
LWYE5-355M2-6-001	200	995	364	97.0	0.86	8.0	1.6	2.0
LWYE5-355L-6-001	250	995	455	97.0	0.86	8.0	1.6	2.0

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Technical Data of LWYE5 Series Three-phase Asynchronous Motor, 380V/50Hz

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 (Tst/TN)	Max Torque Rated Torque (Tmax/TN)
Synhronous Speed 750r/min								
LWYE5-100L1-8-001	0.75	710	2.1	82.0	0.67	7.0	2.0	2.0
LWYE5-100L2-8-001	1.1	710	2.9	84.0	0.68	7.0	2.0	2.0
LWYE5-112M-8-001	1.5	710	3.8	85.5	0.70	7.0	2.0	2.0
LWYE5-132S-8-001	2.2	725	5.5	87.2	0.70	7.5	1.8	2.0
LWYE5-132M-8-001	3	725	7.1	88.4	0.73	7.8	1.8	2.0
LWYE5-160M1-8-001	4	725	9.31	89.4	0.73	7.9	1.8	2.0
LWYE5-160M2-8-001	5.5	725	12.5	90.4	0.74	8.1	1.8	2.0
LWYE5-160L-8-001	7.5	730	16.9	91.3	0.74	7.8	1.8	2.0
LWYE5-180L-8-001	11	735	24.5	92.2	0.74	7.9	1.8	2.0
LWYE5-200L-8-001	15	735	32.7	92.9	0.75	8.0	1.8	2.0
LWYE5-225S-8-001	18.5	740	40.2	93.3	0.75	8.1	1.8	2.0
LWYE5-225M-8-001	22	740	47.0	93.6	0.76	8.3	1.8	2.0
LWYE5-250M-8-001	30	740	62.9	94.1	0.77	7.9	1.8	2.0
LWYE5-280S-8-001	37	740	76.3	94.4	0.78	7.9	1.8	2.0
LWYE5-280M-8-001	45	745	92.6	94.7	0.78	7.9	1.8	2.0
LWYE5-315S-8-001	55	745	110.1	94.9	0.80	8.2	1.6	2.0
LWYE5-315M-8-001	75	745	149	95.3	0.80	7.6	1.6	2.0
LWYE5-315L1-8-001	90	745	177	95.5	0.81	7.7	1.6	2.0
LWYE5-315L2-8-001	110	745	216	95.7	0.81	7.7	1.6	2.0
LWYE5-355M1-8-001	132	745	258	95.9	0.81	7.7	1.6	2.0
LWYE5-355M2-8-001	160	745	308	96.1	0.82	7.7	1.6	2.0
LWYE5-355L-8-001	200	745	385	96.3	0.82	7.8	1.6	2.0

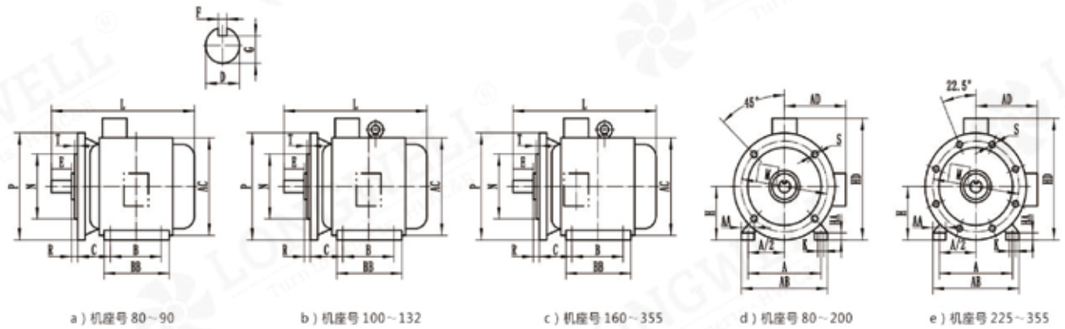
Mounting and Overall Dimensions(IM B3 H80-355)



Electric motor with base with feet and no flange on the end cover 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	34	140	10	165	175	145	220	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	36	180	12	180	205	170	265	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	36	215	12	180	205	170	265	390
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	40	235	14	205	215	180	270	435
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	45	248	15	230	255	200	310	440
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	55	224	18	270	310	230	365	510
132M	4,6,8	216	178	89	38	80	10	33	132	12	55	260	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	345	22	355	390	285	460	770
180L	4,6,8	279	279	121	48	110	14	42.5	180	14.5	70	385	22	355	390	285	460	800
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	70	369	25	395	445	320	520	860
225S	4,8	356	286	149	60	140	18	53	225	18.5	75	368	28	435	495	350	575	830
225M	2	356	311	149	55	110	16	49	225	18.5	75	393	28	435	495	350	575	830
225M	4,6,8	356	311	149	60	140	18	53	225	18.5	75	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	85	485	35	550	630	435	705	990
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	85	485	35	550	630	435	705	990
280M	2	457	419	190	65	140	18	58	280	24	85	536	35	550	630	435	705	1040
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	85	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	4,6,8,10	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	1210
315M	4,6,8,10	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	4,6,8,10	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	665	1010	1500
355M	4,6,8,10	610	560	254	95	170	25	86	355	28	120	750	52	730	710	665	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	120	750	52	730	710	665	1010	1500
355L	4,6,8,10	610	630	254	95	170	25	86	355	28	120	750	52	730	710	665	1010	1530

Mounting and Overall Dimensions(IM B35 H80-355)

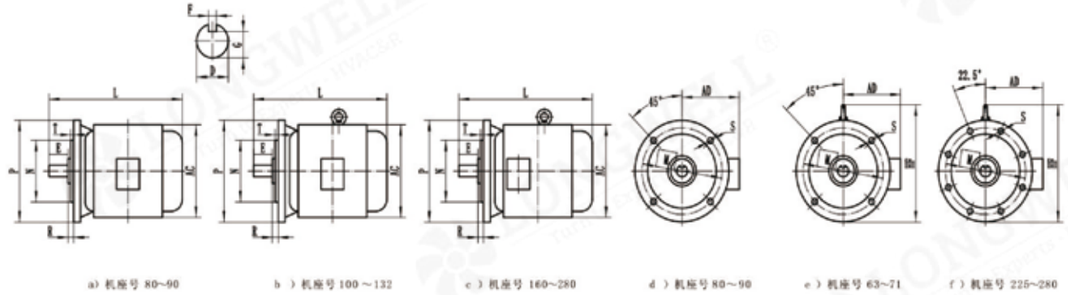


a) 机座号 80～90　b) 机座号 100～132　c) 机座号 160～355　d) 机座号 80～200　e) 机座号 225～355

Electric motor with base and flange (with through-hole) on end cover　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	34	140	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	36	180	12	180	205	170	265	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-φ12	3.5	36	215	12	180	205	170	265	390
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	215	180	250	0	4-φ14.5	4.0	40	235	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	248	15	230	255	200	310	440
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	224	18	270	310	230	365	510
132M	4,6,8	216	178	89	38	80	10	33	132	12	265	230	300	0	4-φ14.5	4.0	55	260	18	270	310	230	365	550
160M	2,4,6,8	254	210	108	42	110	12	37	160	15	300	250	350	0	4-φ18.5	5.0	65	304	20	320	340	260	425	730
160L	2,4,6,8	254	254	108	42	110	12	37	160	15	300	250	350	0	4-φ18.5	5.0	65	334	20	320	340	260	425	760
180M	2,4	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-φ18.5	5.0	70	345	22	355	390	285	460	770
180L	4,6,8	279	279	121	48	110	14	42.5	180	15	300	250	350	0	4-φ18.5	5.0	70	385	22	355	390	285	460	800
200L	2,4,6,8	318	305	133	55	110	16	49	200	19	350	300	400	0	4-φ18.5	5.0	70	369	25	395	445	320	520	860
225S	4,8	356	286	149	60	140	18	53	225	19	400	350	450	0	8-φ18.5	5.0	75	368	28	435	495	350	575	830
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-φ18.5	5.0	75	393	28	435	495	350	575	830
225M	4,6,8	356	311	149	60	140	18	53	225	19	400	350	450	0	8-φ18.5	5.0	75	393	28	435	495	350	575	860
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	990
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	990
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	85	485	35	550	630	435	705	990
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	85	485	35	550	630	435	705	990
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-φ18.5	5.0	85	536	35	550	630	435	705	1040
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-φ18.5	5.0	85	536	35	550	630	435	705	1040
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	680	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	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	4,6,8	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	120	750	52	730	710	655	1010	1500
355M	4,6,8	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	4,6,8	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

Mounting and Overall Dimensions(IM B5 H80-280)



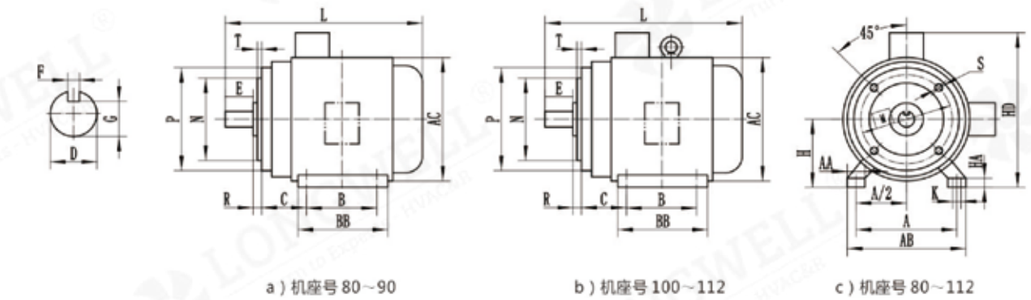
a) 机座号 80~90　b) 机座号 100～132　c) 机座号 160~280　d) 机座号 80～90　e) 机座号 63~71　f) 机座号 225~280

Electric motor with a base without feet and a flange (with through-hole) on the end cover　unit: mm

Frame	Poles	Mounting Dimension									Figure Size				
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HF	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

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Mounting and Overall Dimensions(IM B34 H80-112)

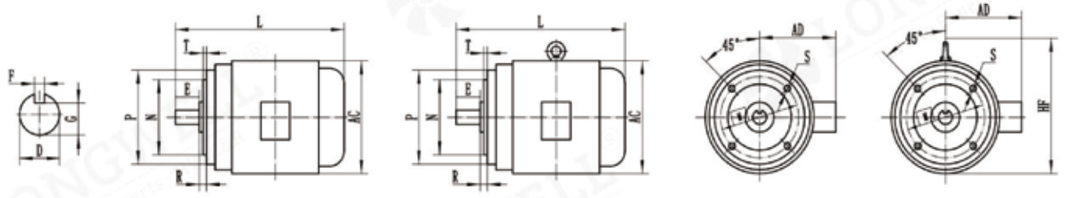


a) 机座号 80～90　　b) 机座号 100～112　　c) 机座号 80～112

An electric motor with a base and a flange(with screw holes) on the end cover　　unit: mm

Frame	Poles	Mounting Dimension														Figure Size					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	BB	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	140	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	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	215	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	235	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	248	255	200	310	440

Mounting and Overall Dimensions(IM B14 H80-112)

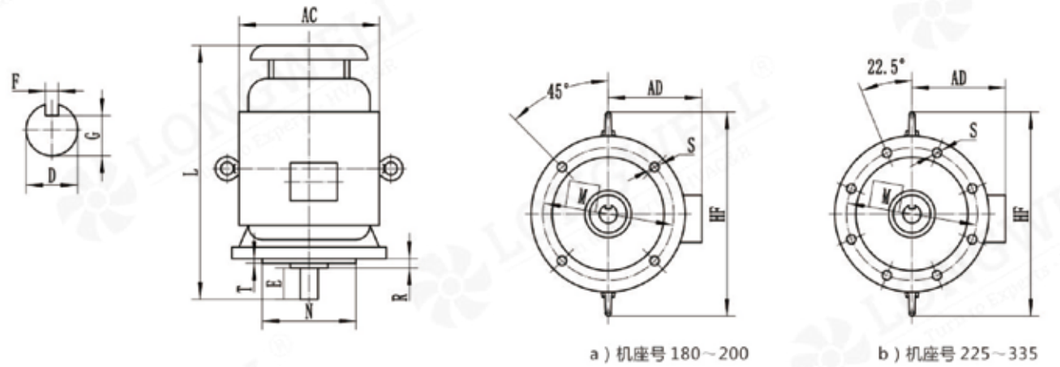


a) 机座号 80～90　　b) 机座号 100～112　　c) 机座号 80～90　　d) 机座号 100～112

Electric motor with a base without feet and a flange (with screw holes) on the end cover　　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	19	40	6	15.5	110	80	120	0	4-M6	3.0	175	145	/	305
90S	2,4,6	24	50	8	20	115	95	140	0	4-M8	3.0	205	170	/	360
90L	2,4,6	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)



a) 机座号 180～200　　b) 机座号 225～335

Vertical installation, base without feet, end cover with flange (with through-hole), motor with shaft extending downwards　　unit: mm

Frame	Poles	Mounting Dimension										Figure Size			
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HF	L
180M	2,4,6,8	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	4,6,8,10	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	4,6,8,10	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	4,6,8,10	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	4,6,8,10	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	4,6,8,10	95	170	25	86	740	680	800	0	8-φ24	6.0	710	655	1010	1670