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

—— **LWYVF2 Series Variable Frequency and Adjustable Speed 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.

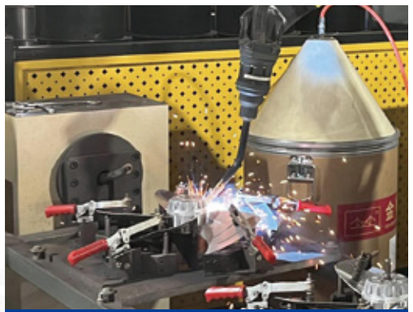
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

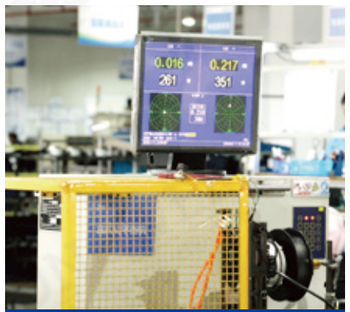
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

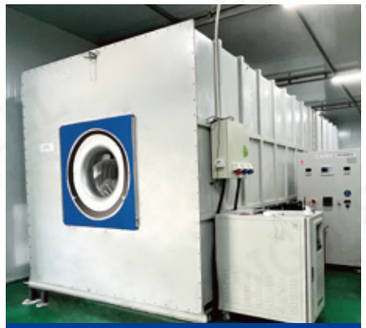

Automatic Welding


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

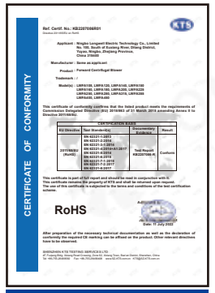

Own-Brand


Own-Brand


ETL


ETL

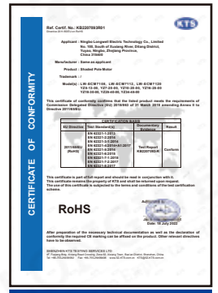

CE


RoHS

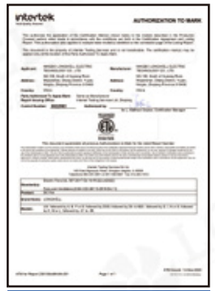

CE


CE


CE


RoHS


ETL


ETL


ETL


CE


CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

LWYVF2 Series Variable Frequency and Adjustable Speed 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 YVF2 - 80M1 - 2 - 001

- LW — Longwell
- YVF2 — Variable Frequency and Adjustable Speed Three Phase Asynchronous Motor
- 80M1 — Centre Height of Frame Size
- 2 — Poles
- 001 — Series Number

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LWYVF2 Series Variable Frequency and Adjustable Speed Three Phase Asynchronous Motor

Product Overview

LWYVF2 series motor is totally enclosed, compulsive special used motor. By using variable frequency motor of different poles, it can achieve stepless speed governing when the wide speed range is 100rpm-3550rpm. It is applied to the fields of fan, pumps, pipeline automation equipments and machine tools (such as numerical control machine tool and machining center) in the industries of metallurgy, chemical, textile, pharmacy, printing and so on.

Technical Parameters

1) Basic Parameters

Centre Height of Frame Size: 80-355mm

Power Range: 0.55-315kw

Rated Voltage and Frequency: 380V 50Hz

Frequency Variable Range: 3~60(75)Hz or 3~100Hz

Protection Class: IP54

Insulation Class: I55(F)

Duty Type: S1(continuous)

Standard Pole: 2P、4P、6P **Type of Cooling:** IC416

Power 55kw and below is star-connection, Power above 55kw is delta-connection

2) Conditions of Usage

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, B7, B8, B35, V1, V3, V5, V6, V15,V36
180~280	B3, B5, B35, V1
315~355	B3, B35, V1

Technical Data of LWYVF2 Series Variable Frequency and Adjustable Speed Three Phase Asynchronous Motor

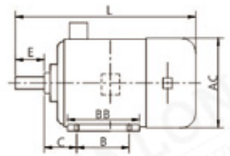
Model	Rated power(KW)	Rated current(A)	Rated torque(N.m)	Constant torque frequency range(Hz)	Constant power frequency range(Hz)	Locked-rotor torque Rated torque(Tst/TN)	Locked-rotor current Rated current(Ist/IN)	Max. torque/Rated torque(Tmax/TN)	Min. torque/Rated torque(Tmin/TN)
LWYVF2-80M1-2-001	0.75	1.9	2.4	3~50	50~60	2.2	9	2.8	4.8
LWYVF2-80M2-2-001	1.1	2.7	3.5	3~50	50~60	2.2	9	2.8	4.8
LWYVF2-90S-2-001	1.5	3.5	4.8	3~50	50~60	2.2	9	2.8	4.8
LWYVF2-90L-2-001	2.2	4.9	7.0	3~50	50~60	2.2	9	2.8	1.4
LWYVF2-100L-2-001	3	6.4	9.5	3~50	50~60	2.2	9	2.8	1.4
LWYVF2-112M-2-001	4	8.3	12.7	3~50	50~60	2.2	9	2.8	1.4
LWYVF2-132S1-2-001	5.5	11.2	17.5	3~50	50~60	2.2	9	2.8	1.2
LWYVF2-132S2-2-001	7.5	14.9	23.9	3~50	50~60	2.2	9	2.8	1.2
LWYVF2-160M1-2-001	11	21.4	35.0	3~50	50~60	2.2	9	2.8	1.2
LWYVF2-160M2-2-001	15	28.9	47.7	3~50	50~60	2.2	9	2.8	1.2
LWYVF2-160L-2-001	18.5	35.4	58.9	3~50	50~60	2.2	9	2.8	1.1
LWYVF2-180M-2-001	22	41.8	70.0	3~50	50~60	2.2	9	2.8	1.1
LWYVF2-200L1-2-001	30	56.5	95.5	3~50	50~60	2.2	9	2.8	1.1
LWYVF2-200L2-2-001	37	69.3	117.8	3~50	50~60	2.2	9	2.8	1.1
LWYVF2-225M-2-001	45	83.8	143.2	3~50	50~60	2.2	9	2.8	1.0
LWYVF2-250M-2-001	55	101.9	175.1	3~50	50~60	2.2	9	2.8	1.0
LWYVF2-280S-2-001	75	138.1	238.7	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-280M-2-001	90	165.2	286.5	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-315S-2-001	110	199	350.1	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-315M-2-001	132	238.3	420.2	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-315L1-2-001	160	284.8	509.3	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-315L2-2-001	200	355.2	636.6	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-355M-2-001	250	444	795.8	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-355L-2-001	315	559.5	1002.7	3~50	50~60	1.7	9	2.8	0.9
LWYVF2-80M1-4-001	0.55	1.6	3.5	3~50	50~100	2.0	9	2.8	1.7
LWYVF2-80M2-4-001	0.75	2.1	4.7	3~50	50~100	2.0	9	2.8	1.6
LWYVF2-90S-4-001	1.1	2.9	7.0	3~50	50~100	2.0	9	2.8	1.6
LWYVF2-90L-4-001	1.5	3.8	9.5	3~50	50~100	2.0	9	2.8	1.6
LWYVF2-100L-4-001	2.2	5.2	14	3~50	50~100	2.0	9	2.8	1.5
LWYVF2-100L2-4-001	3	6.9	19	3~50	50~100	2.0	9	2.8	1.5
LWYVF2-112M-4-001	4	9.0	25.4	3~50	50~100	2.0	9	2.8	1.5
LWYVF2-132S-4-001	5.5	12	35	3~50	50~100	2.0	9	2.8	1.4
LWYVF2-132M-4-001	7.5	16	47.7	3~50	50~100	2.0	9	2.8	1.4
LWYVF2-160M-4-001	11	23	70	3~50	50~100	2.0	9	2.8	1.4
LWYVF2-160L-4-001	15	30.6	95.5	3~50	50~100	2.0	9	2.8	1.4
LWYVF2-180M-4-001	18.5	37	117.1	3~50	50~100	2.0	9	2.8	1.2
LWYVF2-180L-4-001	22	43.7	140.9	3~50	50~100	2.0	9	2.8	1.2
LWYVF2-200L-4-001	30	59.1	190.9	3~50	50~100	2.0	9	2.8	1.2
LWYVF2-225S-4-001	37	71.7	235.5	3~50	50~100	2.0	9	2.8	1.2
LWYVF2-225M-4-001	45	86.7	286.4	3~50	50~100	2.0	9	2.8	1.1
LWYVF2-250M-4-001	55	105.5	350.1	3~50	50~100	2.0	9	2.8	1.1
LWYVF2-280S-4-001	75	141.3	477.5	3~50	50~100	2.0	9	2.8	1.0
LWYVF2-315S-4-001	90	167	572.9	3~50	50~75	1.7	9	2.8	1.0
LWYVF2-315M-4-001	110	201.3	700.2	3~50	50~75	1.7	9	2.8	1.0
LWYVF2-315M-4-001	132	241	840.3	3~50	50~75	1.7	9	2.8	1.0
LWYVF2-315L1-4-001	160	288	1018.1	3~50	50~75	1.7	9	2.8	1.0
LWYVF2-315L2-4-001	200	359	1273.2	3~50	50~75	1.7	9	2.8	0.9
LWYVF2-355M-4-001	250	449	1591.5	3~50	50~75	1.7	9	2.8	0.9
LWYVF2-355L-4-001	315	566	2005.3	3~50	50~75	1.7	9	2.8	0.8

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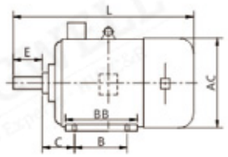
Technical Data of LWYVF2 Series Variable Frequency and Adjustable Speed Three Phase Asynchronous Motor

Model	Rated power(KW)	Rated current(A)	Rated torque(N.m)	Constant torque frequency range(Hz)	Constant power frequency range(Hz)	Locked-rotor torque Rated torque(Tst/TN)	Locked-rotor current Rated current(Ist/IN)	Max. torque/Rated torque(Tmax/TN)	Min. torque/Rated torque(Tmin/TN)
LWYVF2-80M1-6-001	0.37	1.19	3.5	3~50	50~100	1.9	9	2.8	1.5
LWYVF2-80M2-6-001	0.55	1.59	5.3	3~50	50~100	1.9	9	2.8	1.5
LWYVF2-90S-6-001	0.75	2.3	7.2	3~50	50~100	1.9	9	2.8	1.5
LWYVF2-90L-6-001	1.1	3.2	10.5	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-100L-6-001	1.5	4.2	14.3	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-112M-6-001	2.2	6	21.0	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-132S-6-001	3	7.9	28.6	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-132M1-6-001	4	10.1	38.2	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-132M2-6-001	5.5	13.4	52.5	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-160M-6-001	7.5	17.2	71.6	3~50	50~100	1.9	9	2.8	1.3
LWYVF2-160L-6-001	11	24.5	105.0	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-180L-6-001	15	31.7	143.2	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-200L1-6-001	18.5	39.7	176.7	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-200L2-6-001	22	46.3	210.1	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-225M-6-001	30	61.6	286.5	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-250M-6-001	37	74.6	353.3	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-280S-6-001	45	88	429.7	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-280M-6-001	55	105.7	525.2	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-315S-6-001	75	146.5	716.2	3~50	50~100	1.6	9	2.8	1.0
LWYVF2-315M-6-001	90	173.2	859.4	3~50	50~100	1.6	9	2.8	1.0
LWYVF2-315L1-6-001	110	210.7	1050.4	3~50	50~100	1.6	9	2.8	1.0
LWYVF2-315L2-6-001	132	249.4	1260.5	3~50	50~100	1.6	9	2.8	1.0
LWYVF2-355M1-6-001	160	301.4	1527.9	3~50	50~100	1.6	9	2.8	1.0
LWYVF2-355M2-6-001	200	375.9	1909.9	3~50	50~100	1.6	9	2.8	0.9
LWYVF2-355L-6-001	250	469.9	2387.3	3~50	50~100	1.6	9	2.8	0.9
LWYVF2-80M1-8-001	0.18	0.98	2.3	3~50	50~100	1.8	9	2.8	1.3
LWYVF2-80M2-8-001	0.25	1.23	3.2	3~50	50~100	1.8	9	2.8	1.3
LWYVF2-90S-8-001	0.37	1.64	4.7	3~50	50~100	1.8	9	2.8	1.3
LWYVF2-90L-8-001	0.55	2.22	7	3~50	50~100	1.8	9	2.8	1.3
LWYVF2-100L1-8-001	0.75	3	9.6	3~50	50~100	1.8	9	2.8	1.3
LWYVF2-100L2-8-001	1.1	4.1	14	3~50	50~100	1.8	9	2.8	1.2
LWYVF2-112M-8-001	1.5	5.3	19.1	3~50	50~100	1.8	9	2.8	1.2
LWYVF2-132S-8-001	2.2	7.0	28	3~50	50~100	1.8	9	2.8	1.2
LWYVF2-132M-8-001	3	9.2	38.2	3~50	50~100	1.8	9	2.8	1.2
LWYVF2-160M1-8-001	4	11.4	50.1	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-160M2-8-001	5.5	14.9	70	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-160L-8-001	7.5	19.0	95.5	3~50	50~100	1.9	9	2.8	1.2
LWYVF2-180M-8-001	11	27.8	140.1	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-200L-8-001	15	35	191	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-225S-8-001	18.5	42	235.5	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-225M-8-001	22	49	280.1	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-250M-8-001	30	66	382	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-280S-8-001	37	78.0	471.1	3~50	50~100	1.9	9	2.8	1.1
LWYVF2-280M-8-001	45	95	573	3~50	50~100	1.8	9	2.8	1.0
LWYVF2-315S-8-001	55	113	700	3~50	50~100	1.8	9	2.8	1.0
LWYVF2-315M-8-001	75	154	955	3~50	50~100	1.8	9	2.8	0.9
LWYVF2-315L1-8-001	90	181	1146.5	3~50	50~100	1.8	9	2.8	0.9
LWYVF2-315L2-8-001	110	221	1401	3~50	50~100	1.8	9	2.8	0.9
LWYVF2-355M1-8-001	132	264	1681.5	3~50	50~100	1.8	9	2.8	0.9
LWYVF2-355M2-8-001	160	319	2038	3~50	50~100	1.8	9	2.8	0.9
LWYVF2-355L-8-001	200	392	2548	3~50	50~100	1.8	9	2.8	0.9

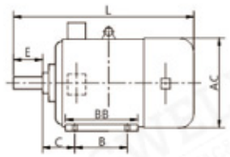
Outline and Mounting Dimensions of LWYVF2 series Asynchronous Motor



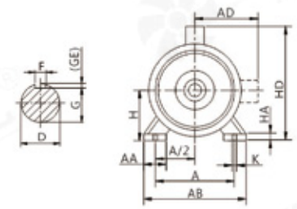
机座号80~90



机座号100~132



机座号160~355

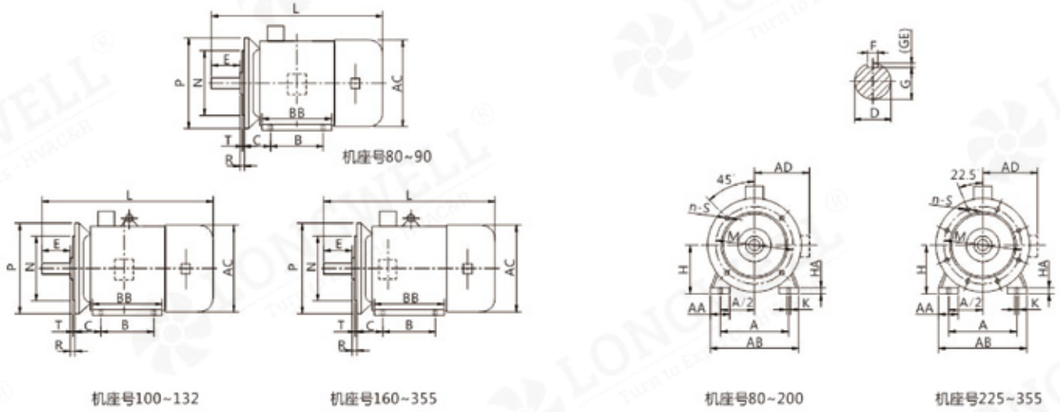


机座号80~355

Electric motor with foot-mounted frame and no flange on the end shield unit: mm

Frame	Poles	Mounting Dimension							Figure Size								
		A	A/2	B	C	D	E	F	G	H	K	AA	BB	AB	AC	AD	HD	L
80M	2,4,6	125	62.5	100	50	19	40	6	16	80	10	34	135	165	175	145	220	360
90S	2,4,6	140	70	100	56	24	50	8	20	90	10	36	140	180	195	155	250	430
90L	2,4,6	140	70	125	56	24	50	8	20	90	10	36	165	180	195	155	250	460
100L	2,4,6	160	80	140	63	28	60	8	24	100	12	40	176	205	215	180	270	500
112M	2,4,6	190	95	140	70	28	60	8	24	112	12	45	180	230	240	190	300	530
132S	2,4,6	216	108	140	89	38	80	10	33	132	12	55	186	270	275	210	345	560
132M	2,4,6	216	108	178	89	38	80	10	33	132	12	55	224	270	275	210	345	610
160M	2,4,6	254	127	210	108	42	110	12	37	160	15	65	260	320	330	255	420	740
160L	2,4,6	254	127	254	108	42	110	12	37	160	15	65	304	320	330	255	420	780
180M	2,4,6	279	140	241	121	48	110	14	43	180	15	70	311	355	380	280	455	820
180L	2,4,6	279	140	279	121	48	110	14	43	180	15	70	349	355	380	280	455	820
200L	2,4,6	318	159	305	133	55	110	16	49	200	19	70	369	395	420	305	505	895
225S	4	356	178	286	149	60	140	18	53	225	19	75	368	435	470	355	560	905
225M	2	356	178	311	149	55	110	16	49	225	19	75	393	435	470	355	560	900
225M	4,6	356	178	311	149	60	140	18	53	225	19	75	393	435	470	355	560	930
250M	2	406	203	349	168	60	140	18	53	250	24	80	445	490	510	370	615	990
250M	4,6	406	203	349	168	65	140	18	58	250	24	80	445	490	510	370	615	990
280S	2	457	229	368	190	65	140	18	58	280	24	85	485	550	580	410	680	1135
280S	4,6	457	229	368	190	75	140	20	68	280	24	85	485	550	580	410	680	1135
280M	2	457	229	419	190	65	140	18	58	280	24	85	536	550	580	410	680	1185
280M	4,6	457	229	419	190	75	140	20	68	280	24	85	536	550	580	410	680	1185
315S	2	508	254	406	216	65	140	18	58	315	28	120	570	635	645	530	845	1235
315S	4,6	508	254	406	216	80	170	22	71	315	28	120	570	635	645	530	845	1345
315M	2	508	254	457	216	65	140	18	58	315	28	120	680	635	645	530	845	1265
315M	4,6	508	254	457	216	80	170	22	71	315	28	120	680	635	645	530	845	1375
315L	2	508	254	508	216	65	140	18	58	315	28	120	680	635	645	530	845	1265
315L	4,6	508	254	508	216	80	170	22	71	315	28	120	680	635	645	530	845	1375
355M	2	610	305	560	254	75	140	20	68	355	28	120	750	730	710	655	1010	1560
355M	4,6	610	305	560	254	95	170	25	86	355	28	120	750	730	710	655	1010	1590
355L	2	610	305	630	254	75	140	20	68	355	28	120	750	730	710	655	1010	1560
355L	4,6	610	305	630	254	95	170	25	86	355	28	120	750	730	710	655	1010	1590

Outline and Mounting Dimensions of LWYVF2 series Asynchronous Motor

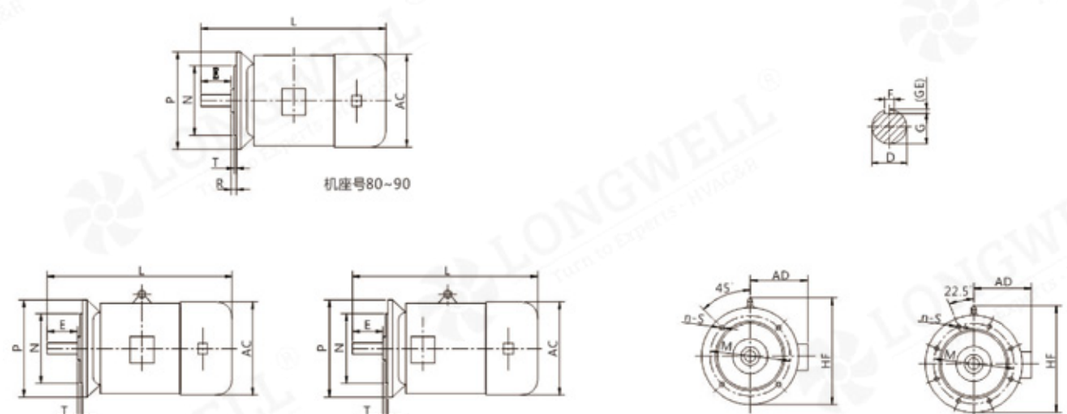


Electric motor with foot-mounted frame and a flanged end shield (with through holes) unit: mm

Frame	Flange Size	Poles	Mounting Dimension																	Number of flange holes	Figure Size				
			A	A/2	B	C	D	E	F	G[a]	H	K	AA	BB	M	N	P[b]	R[c]	S	T	AB	AC	AD	HD	L
80M	FF165	2.4.6	125	62.5	100	50	19	40	6	15.5	80	10	34	135	165	130	200	0	12	3.5	4	165	175	145	220	360
90S	FF165	2.4.6	140	70	100	56	24	50	8	20	90	10	36	140	165	130	200	0	12	3.5	4	180	195	155	250	430
90L	FF165	2.4.6	140	70	125	56	24	50	8	20	90	10	36	165	165	130	200	0	12	3.5	4	180	195	155	250	460
100L	FF215	2.4.6	160	80	140	63	28	60	8	24	100	12	40	176	215	180	250	0	14.5	4	4	205	215	180	270	500
112M	FF215	2.4.6	190	95	140	70	28	60	8	24	112	12	45	180	215	180	250	0	14.5	4	4	230	240	190	300	530
132S	FF265	2.4.6	216	108	140	89	38	80	10	33	132	12	55	186	265	230	300	0	14.5	4	4	270	275	210	345	560
132M	FF265	2.4.6	216	108	178	89	38	80	10	33	132	12	55	224	265	230	300	0	14.5	4	4	270	275	210	345	610
160M	FF300	2.4.6	254	127	210	108	42	110	12	37	160	14.5	65	260	300	250	350	0	18.5	5	4	320	330	255	420	710
160L	FF300	2.4.6	254	127	254	108	42	110	12	37	160	14.5	65	304	300	250	350	0	18.5	5	4	320	330	255	420	740
180M	FF300	2.4.6	279	139.5	241	121	48	110	14	42.5	180	14.5	70	311	300	250	350	0	18.5	5	4	355	380	280	455	770
180L	FF300	2.4.6	279	139.5	279	121	48	110	14	42.5	180	14.5	70	349	300	250	350	0	18.5	5	4	355	380	280	455	820
200L	FF350	2.4.6	318	159	305	133	55	110	16	49	200	18.5	70	369	350	300	400	0	18.5	5	4	395	420	305	505	855
225S	FF400	4	356	178	286	149	60	140	18	53	225	18.5	75	368	400	350	450	0	18.5	5	8	435	470	335	560	905
225M	FF400	2	356	178	311	149	55	110	16	49	225	18.5	75	393	400	350	450	0	18.5	5	8	435	470	335	560	900
225M	FF400	4.6	356	178	311	149	60	140	18	53	225	18.5	75	393	400	350	450	0	18.5	5	8	435	470	335	560	930
250M	FF500	2	406	203	349	168	60	140	18	53	250	24	80	445	500	450	550	0	18.5	5	8	490	510	370	615	990
250M	FF500	4.6	406	203	349	168	65	140	18	58	250	24	80	445	500	450	550	0	18.5	5	8	490	510	370	615	990
280S	FF500	2	457	228.5	368	190	65	140	18	58	280	24	85	485	500	450	550	0	18.5	5	8	550	580	410	680	1135
280S	FF500	4.6	457	228.5	368	190	75	140	20	68	280	24	85	485	500	450	550	0	18.5	5	8	550	580	410	680	1135
280M	FF500	2	457	228.5	419	190	65	140	18	58	280	24	85	536	500	450	550	0	18.5	5	8	550	580	410	680	1185
280M	FF500	4.6	457	228.5	419	190	75	140	20	68	280	24	85	536	500	450	550	0	18.5	5	8	550	580	410	680	1185
315S	FF600	2	508	254	406	216	65	140	18	58	315	28	120	570	600	550	660	0	24	6	8	635	645	530	845	1235
315S	FF600	4.6	508	254	406	216	80	170	22	71	315	28	120	570	600	550	660	0	24	6	8	635	645	530	845	1345
315M	FF600	2	508	254	457	216	65	140	18	58	315	28	120	680	600	550	660	0	24	6	8	635	645	530	845	1265
315M	FF600	4.6	508	254	457	216	80	170	22	71	315	28	120	680	600	550	660	0	24	6	8	635	645	530	845	1375
315L	FF600	2	508	254	508	216	65	140	18	58	315	28	120	680	600	550	660	0	24	6	8	635	645	530	845	1265
315L	FF600	4.6	508	254	508	216	80	170	22	71	315	28	120	680	600	550	660	0	24	6	8	635	645	530	845	1375
355M	FF740	2	610	305	560	254	75	140	20	67.5	355	28	120	750	740	680	800	0	24	6	8	730	710	655	1010	1560
355M	FF740	4.6	610	305	560	254	95	170	25	86	355	28	120	750	740	680	800	0	24	6	8	730	710	655	1010	1590
355L	FF740	2	610	305	630	254	75	140	20	67.5	355	28	120	750	740	680	800	0	24	6	8	730	710	655	1010	1560
355L	FF740	4.6	610	305	630	254	95	170	25	86	355	28	120	750	740	680	800	0	24	6	8	730	710	655	1010	1590

a. G = D – GE
b. Dimension P is a maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder

Outline and Mounting Dimensions of LWYVF2 series Asynchronous Motor

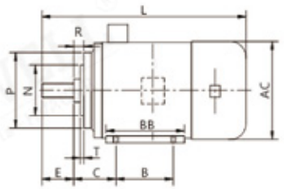


Electric motor with a footless frame and a flanged end shield (with through holes) unit: mm

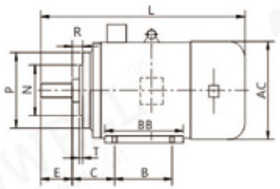
Frame	Flange Size	Poles	Mounting Dimension										Number of flange holes	Figure Size			
			D	E	F	G[a]	M	N	P[b]	R[c]	S	T		AC	AD	HF	L
80M	FF165	2.4.6	19	40	6	16	165	130	200	0	12	3.5	4	175	145	185	360
90S	FF165	2.4.6	24	50	8	20	165	130	200	0	12	3.5	4	195	155	195	390
90L	FF165	2.4.6	24	50	8	20	165	130	200	0	12	3.5	4	195	155	195	460
100L	FF215	2.4.6	28	60	8	24	215	180	250	0	15	4	4	215	180	245	500
112M	FF215	2.4.6	28	60	8	24	215	180	250	0	15	4	4	240	190	265	530
132S	FF265	2.4.6	38	80	10	33	265	230	300	0	15	4	4	275	210	315	560
132M	FF265	2.4.6	38	80	10	33	265	230	300	0	15	4	4	275	210	315	610
160M	FF350	2.4.6	42	110	12	37	300	250	350	0	19	5	4	330	255	385	710
160L	FF350	2.4.6	42	110	12	37	300	250	350	0	19	5	4	330	255	385	740
180M	FF350	2.4.6	48	110	14	43	300	250	350	0	19	5	4	380	280	430	770
180L	FF350	2.4.6	48	110	14	43	300	250	350	0	19	5	4	380	280	430	820
200L	FF350	2.4.6	55	110	16	49	350	300	400	0	19	5	4	420	305	480	855
225S	FF400	4	60	140	18	53	400	350	450	0	19	5	8	470	335	535	905
225M	FF400	2	55	110	16	49	400	350	450	0	19	5	8	470	335	535	900
225M	FF400	4.6	60	140	18	53	400	350	450	0	19	5	8	470	335	535	930
250M	FF500	2	60	140	18	53	500	450	550	0	19	5	8	510	370	595	990
250M	FF500	4.6	65	140	18	58	500	450	550	0	19	5	8	510	370	595	990
280S	FF500	2	65	140	18	58	500	450	550	0	19	5	8	580	410	650	1135
280S	FF500	4.6	75	140	20	68	500	450	550	0	19	5	8	580	410	650	1135
280M	FF500	2	65	140	18	58	500	450	550	0	19	5	8	580	410	650	1185
280M	FF500	4.6	75	140	20	68	500	450	550	0	19	5	8	580	410	650	1185

a. G = D – GE
b. Dimension P is a maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder

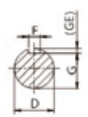
Outline and Mounting Dimensions of LWYVF2 series Asynchronous Motor

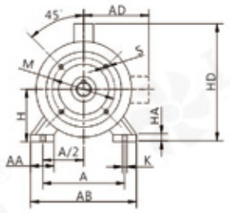


机座号80~90



机座号100~112



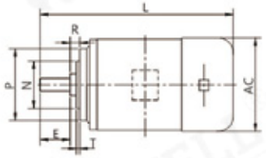


机座号80~112

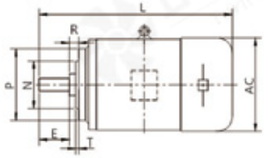
Electric motor with foot-mounted frame and a flanged end shield (with threaded holes) unit: mm

Frame	Flange Size	Poles	Mounting Dimension																	Number of flange holes	Figure Size				
			A	A/2	B	C	D	E	F	G[a]	H	K[b]	AA	BB	M	N	P[c]	R[d]	S[b]	T		AB	AC	AD	HD	L
80M	FT100	2.4.6	125	63	100	50	19	40	6	16	80	10	34	135	100	80	120	0	M6	3.0	4	165	175	145	220	360
90S	FT115	2.4.6	140	70	100	56	24	50	8	20	90	10	36	140	115	95	140	0	M8	3.0	4	180	195	165	250	430
90L	FT115	2.4.6	140	70	125	56	24	50	8	20	90	10	36	165	115	95	140	0	M8	3.0	4	180	195	165	250	460
100L	FT130	2.4.6	160	80	140	63	28	60	8	24	100	12	40	176	130	110	160	0	M8	4	4	205	215	180	270	500
112M	FT130	2.4.6	190	95	140	70	28	60	8	24	112	12	45	180	130	110	160	0	M8	4	4	230	240	190	300	530

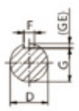
a. G=D-GE
b. The positional tolerance of holes K and S is referenced to the axis of the shaft extension
c. Dimension P is a maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder



机座号80~90



机座号100~112





机座号80~90



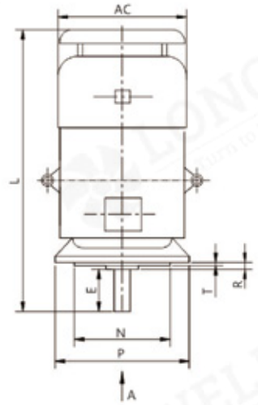
机座号80~112

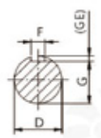
Electric motor with a footless frame and a flanged end shield (with threaded holes) unit: mm

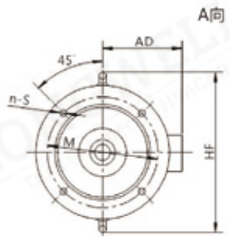
Frame	Flange Size	Poles	Mounting Dimension										Number of flange holes	Figure Size			
			D	E	F	G[a]	M	N	P[c]	R[d]	S[b]	T		AC	AD	HF	L
80M	FT100	2.4.6	19	40	6	15.5	100	80	120	0	M6	3.0	4	175	145	-	360
90S	FT115	2.4.6	24	50	8	20	115	95	140	0	M8	3.0	4	195	165	-	430
90L	FT115	2.4.6	24	50	8	20	115	95	140	0	M8	3.0	4	195	165	-	460
100L	FT130	2.4.6	28	60	8	24	130	110	160	0	M8	4	4	215	180	245	500
112M	FT130	2.4.6	28	60	8	24	130	110	160	0	M8	4	4	240	190	265	530

a. G = D – GE
b. The positional tolerance of the S holes is based on the axis of the shaft extension
c. The P dimension is the maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder

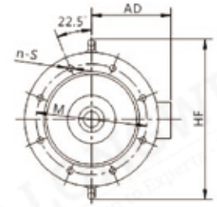
Outline and Mounting Dimensions of LWYVF2 series Asynchronous Motor







机座号180~200



机座号225~355

Vertical-mounted electric motor with footless frame, flanged end shield (with through holes), and shaft extending downward unit: mm

Frame	Flange Size	Poles	Mounting Dimension										Number of flange holes	Figure Size			
			D	E	F	G[a]	M	N	P[c]	R[d]	S[b]	T		AC	AD	HD	L
180M	FF300	2.4.6	48	110	14	43	300	250	350	0	19	5	4	380	280	500	790
200L	FF350	2.4.6	55	110	16	49	350	300	400	0	19	5	4	420	305	550	905
225S	FF400	4	60	140	18	53	400	350	450	0	19	5	8	470	355	610	985
225M	FF400	2	55	110	16	49	400	350	450	0	19	5	8	470	355	610	980
225M	FF400	4.6	60	140	18	53	400	350	450	0	19	5	8	470	355	610	1010
250M	FF500	2	60	140	18	53	500	450	550	0	19	5	8	510	370	650	1090
250M	FF500	4.6	65	140	18	58	500	450	550	0	19	5	8	510	370	650	1090
280S	FF500	2	65	140	18	58	500	450	550	0	19	5	8	580	410	720	1260
280S	FF500	4.6	75	140	20	68	500	450	550	0	19	5	8	580	410	720	1260
280M	FF500	2	65	140	18	58	500	450	550	0	19	5	8	580	410	720	1300
280M	FF500	4.6	75	140	20	68	500	450	550	0	19	5	8	580	410	720	1300
315S	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1335
315S	FF600	4.6	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1455
315M	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1365
315M	FF600	4.6	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1485
315L	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1365
315L	FF600	4.6	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1485
355M	FF740	2	75	140	20	68	740	680	800	0	24	6	8	710	655	-	1700
355M	FF740	4.6	95	170	25	86	740	680	800	0	24	6	8	710	655	-	1730
355L	FF740	2	75	140	20	68	740	680	800	0	24	6	8	710	655	-	1700
355L	FF740	4.6	95	170	25	86	740	680	800	0	24	6	8	710	655	-	1730

a. G = D – GE
b. The positional tolerance of the S holes is based on the axis of the shaft extension
c. The P dimension is the maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder