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

—— **LWYCT Series Electromagnetic Governor 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.

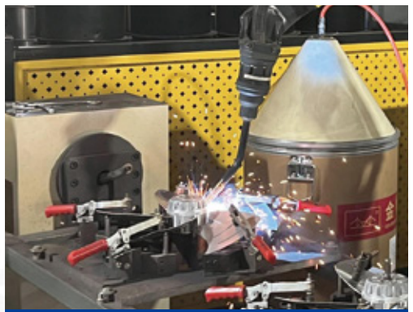
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

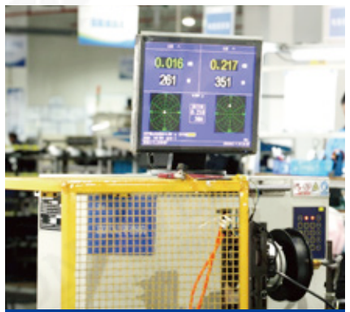
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

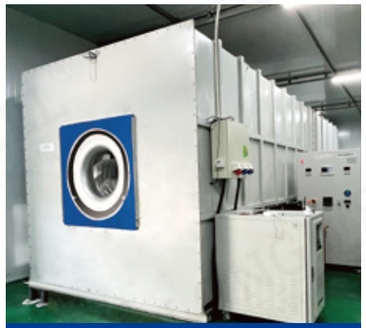


Balance Machine


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

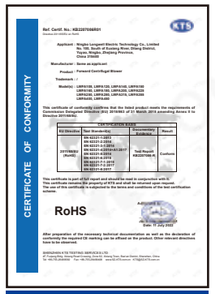

Own-Brand


Own-Brand


ETL


ETL

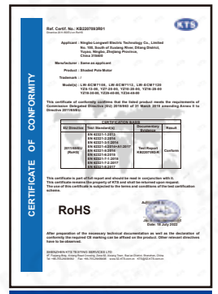

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL


ETL


CE

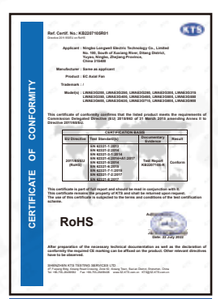

CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE

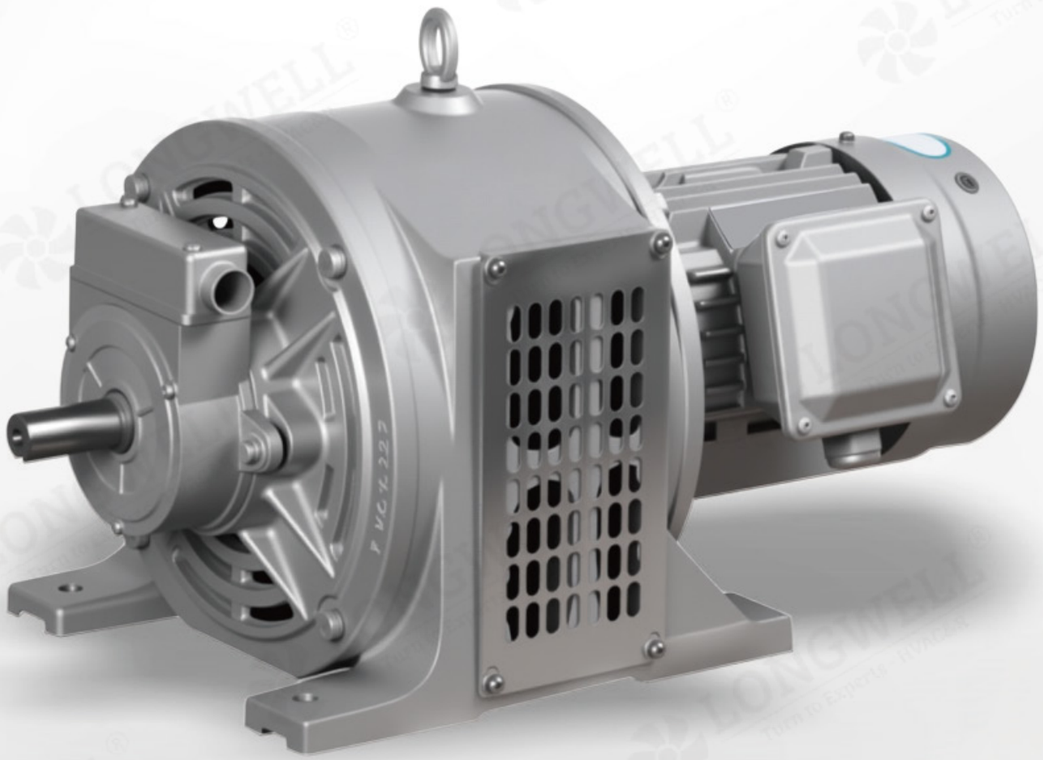

CE


CE

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LWYCT Series Electromagnetic Governor Motor

Professional HVAC Fan &Motors Manufacturer



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Type Code

LW YCT 112 - 4A - 001

- LW — Longwell
- YCT — Electromagnetic Governor Motor
- 112 — Shaft Center Height
- 4A — Poles
- 001 — Series Number

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LWYCT Series Electromagnetic Governor Motor

Product Overview

LWYCT series electromagnetic governor motor consists of three phase (or single phase) asynchronous motor, electromagnetic slip clutch and speed indicating generator.Through JD or ZTK types of controller, it can adjust the exciting current of slip clutch and realize stepless regulation of output speed. The product performance and mounting dimension are in conformity with JB/T 7123 rule and IEC international standard. It is widely used in the industries of textile, printing and dyeing, rubber, plastic, sugaring, construction, air blower and so on.

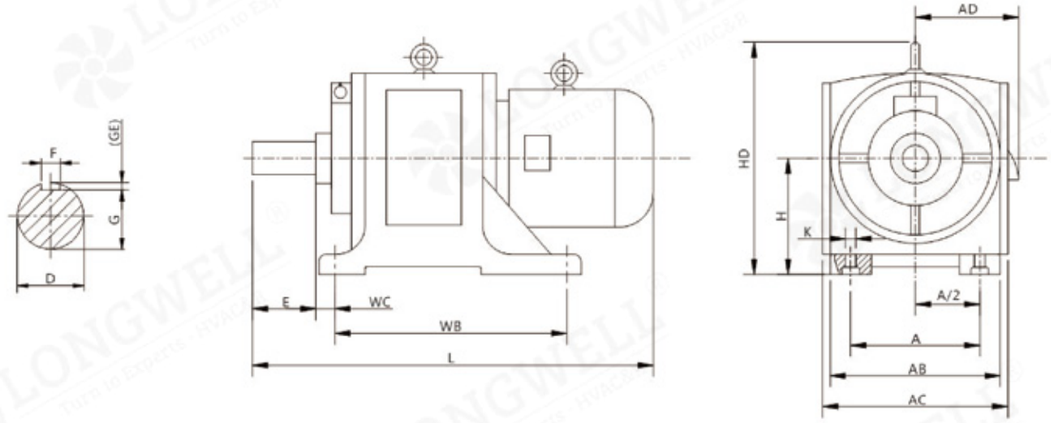
Technical Parameters

Rated Voltage of Controller: 220V **Centre Height of Frame Size:** 112-355mm
Power Range: 0.55-90kw **Protection Class:** IP21
Rated Voltage: Three phase 380V; Single phase 220V
The exciting coil: <=90V (DC)
Rated Frequency: 50Hz(or 60Hz should order)
Insulation Class: B **Duty Type:** S1

Technical Data

Model	Drive Motor Power(KW)	Rated Torque(N.m)	Speed Range (r/min)	Excitation Voltage(V)	Excitation Current(A)	Noise [dB(A)]	Weight (kg)
LWYCT112-4A-001	0.55	3.6	1230-125	<90	<1.3	75	50
LWYCT112-4B-001	0.75	4.9	1230-125	<90	<1.3	75	55
LWYCT132-4A-001	1.1	7.13	1230-125	<90	<1.3	75	72
LWYCT132-4B-001	1.5	9.72	1230-125	<90	<1.3	78	77
LWYCT160-4A-001	2.2	14.1	1250-125	<90	<1.5	75	114
LWYCT160-4B-001	3	19.2	1250-125	<90	<1.5	82	117
LWYCT180-4A-001	4	25.2	1250-125	<90	<1.5	82	152
LWYCT200-4A-001	5.5	36.1	1250-125	<90	<2.0	82	221
LWYCT200-4B-001	7.5	47.7	1250-125	<90	<2.0	86	228
LWYCT225-4A-001	11	69	1250-125	<90	<2.5	86	333
LWYCT225-4B-001	15	94	1250-125	<90	<2.5	90	350
LWYCT250-4A-001	18.5	110	1320-132	<90	<3.0	90	455
LWYCT250-4B-001	22	137	1320-132	<90	<3.0	90	478
LWYCT280-4A-001	30	189	1320-132	<90	<3.5	90	632
LWYCT315-4A-001	37	232	1320-132	<90	<4.5	97	870
LWYCT315-4B-001	45	282	1320-132	<90	<4.5	99	910
LWYCT355-4A-001	55	344	1340-440	<90	<6.0	99	1300
LWYCT355-4B-001	75	469	1340-440	<90	<6.0	103	1410
LWYCT355-4C-001	90	564	1340-600	<90	<6.0	103	1460

Outline and Mounting Dimensions of LWYCT Series Electromagnetic Governor Motor



unit: mm

Frame	Mounting Dimension										Figure Size				
	A	A/2	WB	WC	D	E	F	G[a]	H	K[b]	AB	AC	AD	HD	L
112-4A	190	95	210	40	19	40	6	15.5	112	12	240	260	150	280	520
112-4B	190	95	210	40	19	40	6	15.5	112	12	240	260	150	280	520
132-4A	216	108	241	40	24	50	8	20	132	12	285	310	165	330	570
132-4B	216	108	241	40	24	50	8	20	132	12	285	310	165	330	585
160-4A	254	127	267	45	28	60	8	24	160	14.5	330	350	185	385	665
160-4B	254	127	267	45	28	60	8	24	160	14.5	330	350	185	385	665
180-4A	279	139.5	305	45	28	60	8	24	180	14.5	365	385	195	430	700
200-4A	318	159	356	50	38	80	10	33	200	18.5	410	430	235	485	820
200-4B	318	159	356	50	38	80	10	33	200	18.5	410	430	235	485	860
225-4A	356	178	406	56	42	110	12	37	225	18.5	465	485	270	545	980
225-4B	356	178	406	56	42	110	12	37	225	18.5	465	485	270	545	1025
250-4A	406	203	457	63	48	110	14	42.5	250	24	520	540	295	595	1130
250-4B	406	203	457	63	48	110	14	42.5	250	24	520	540	295	595	1170
280-4A	457	228.5	508	70	55	110	16	49	280	24	575	595	320	665	1280
315-4A	508	254	560	89	60	140	18	53	315	28	645	670	345	770	1400
315-4B	508	254	560	89	60	140	18	53	315	28	645	670	345	770	1425
355-4A	610	305	630	108	65	140	18	58	355	28	755	780	390	890	1550
355-4B	610	305	630	108	70	140	20	67.5	355	28	755	780	420	890	1630
355-4C	610	305	630	108	70	140	20	67.5	355	28	755	780	420	890	1680

a. G = D – GE
b. The positional tolerance of the K holes is based on the axis of the shaft extension