Engineered for the Critical

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



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

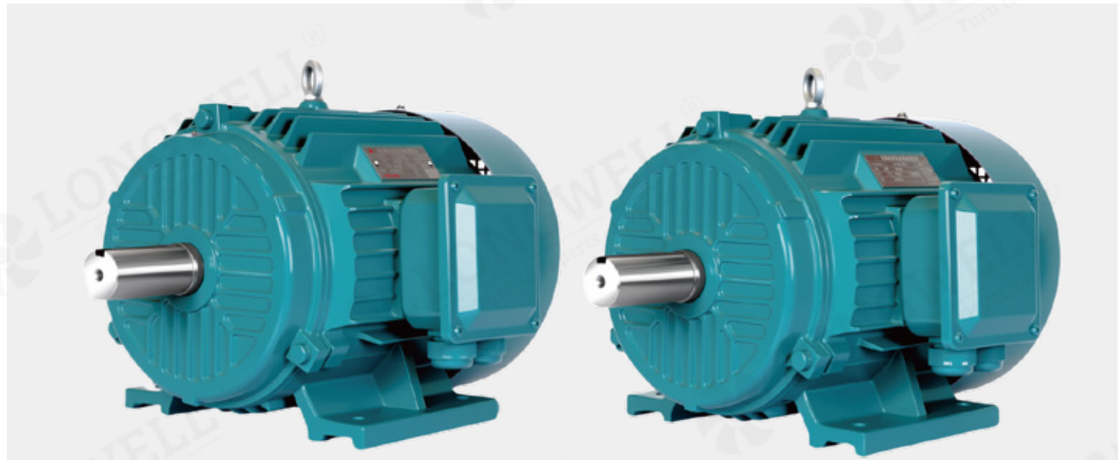
Headquarter: NO.100, South of Xuxiang River, Yuyao, Zhejiang Province, China 315400
Tell: +86 574 6218 9863
Fax: +86 574 6218 9863
Phone: 0086 183 5827 4663
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
Email: sales@zjlongwell.com

CE RoHS BSCI ISO EAC UL LVD

LONGWELL®
Turn to Experts - HVAC&R

LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner for Mission-Critical Environments



Professional Manufacturer of HVACR Fan & Motors

—— **LWYD/LWYDT Series Pole-changing Multi-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.

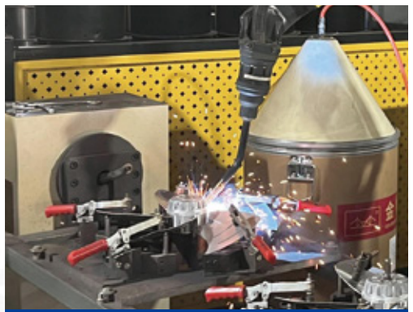
At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials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

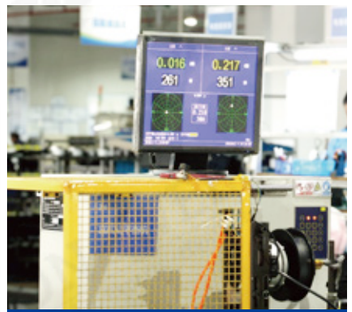
LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

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

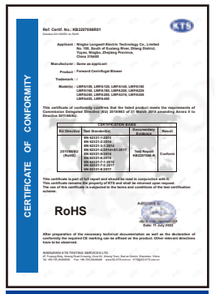

Own-Brand


Own-Brand


ETL


ETL

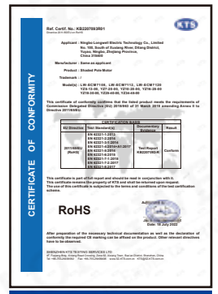

CE


RoHS


CE


CE


CE


RoHS


ETL


ETL


ETL


CE

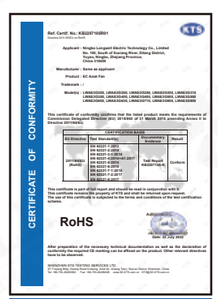

CE


ISO 9001


ISO 9001


RoHS


RoHS


RoHS


RoHS


RoHS


CE


CE


CE

LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Professional HVAC Fan &Motors Manufacturer



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Type Code

LW Y D - 100 L1 - 2 - 001

- LW — Longwell
- Y — Asynchronous Motor
- D — Multi-speed
- 100 — Centre Height of Frame Size
- L1 — Type Frame
- 2 — Poles
- 001 — Series Number

LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Product Overview

LWYD series motor is one of the main subseries of Y series motor. It can heteropolarly change the speed according to the requirements of load characteristics, and then help to rationally match the power and simplify speed control system. With the characteristics of high efficiency, high starting torque and low vibration, it is widely used in the fields of machine tool, mining, metallurgy, textile, printing and dyeing and so on.

Technical Parameters

1) Basic Parameters

Centre Height of Frame Size: 80-280mm

Power Range: 0.35-82kw

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

Protection Class: IP55, IP54

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 Usage

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

The Altitude: Not above 1000m

If any special please mention when placing order

Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-801-4-001	0.45	1.4	1420	66	0.74	6.5	1.5	1.8
LWYD-801-2-001	0.55	1.5	2860	65	0.85	7.0	1.7	1.8
LWYD-802-4-001	0.55	1.7	1420	68	0.74	6.5	1.6	1.8
LWYD-802-2-001	0.75	2.0	2860	66	0.85	7.0	1.8	1.8
LWYD-90S-4-001	0.85	2.3	1430	74	0.77	6.5	1.8	1.8
LWYD-90S-2-001	1.1	2.8	2580	71	0.85	7.0	1.9	1.8
LWYD-90L-4-001	1.3	3.3	1430	76	0.78	6.5	1.8	1.8
LWYD-90L-2-001	1.8	4.3	2850	73	0.85	7.0	2.0	1.8
LWYD-100L1-4-001	2	4.8	1430	78	0.81	6.5	1.7	1.8
LWYD-100L1-2-001	2.4	5.6	2850	76	0.86	7.0	1.9	1.8
LWYD-100L2-4-001	2.4	5.6	1430	79	0.83	6.5	1.6	1.8
LWYD-100L2-2-001	3.0	6.7	2850	77	0.89	7.0	1.7	1.8
LWYD-112M-4-001	3.3	7.4	1450	82	0.83	6.5	1.9	1.8
LWYD-112M-2-001	4.0	8.6	2860	79	0.89	7.0	2.0	1.8
LWYD-132S-4-001	4.5	9.8	1450	83	0.84	6.5	1.7	1.8
LWYD-132S-2-001	5.5	11.9	2860	79	0.89	7.0	1.8	1.8
LWYD-132M-4-001	6.5	13.8	1450	84	0.85	6.5	1.7	1.8
LWYD-132M-2-001	8	17.1	2860	80	0.89	7.0	1.8	1.8
LWYD-160M-4-001	9	18.5	1460	87	0.85	6.5	1.6	1.8
LWYD-160M-2-001	11	22.9	2920	82	0.89	7.0	1.8	1.8
LWYD-160L-4-001	11	22.3	1460	87	0.86	6.5	1.7	1.8
LWYD-160L-2-001	14	28.8	2920	82	0.90	7.0	1.9	1.8
LWYD-180M-4-001	15	29.4	1470	89	0.87	6.5	1.8	1.8
LWYD-180M-2-001	18.5	36.7	2940	85	0.90	7.0	1.9	1.8
LWYD-180L-4-001	18.5	35.9	1470	89	0.88	6.5	1.6	1.8
LWYD-180L-2-001	22	42.7	2940	86	0.91	7.0	1.8	1.8
LWYD-200L-4-001	26	49.9	1470	89	0.89	6.5	1.4	1.8
LWYD-200L-2-001	30	58.3	2950	85	0.92	7.0	1.6	1.8
LWYD-225S-4-001	32	60.7	1480	90	0.89	6.5	1.4	1.8
LWYD-225S-2-001	37	71.7	2960	86	0.92	7.0	1.6	1.8
LWYD-225M-4-001	37	69.4	1480	91	0.89	6.5	1.6	1.8
LWYD-225M-2-001	45	86.4	2960	86	0.92	7.0	1.6	1.8
LWYD-250M-4-001	45	84.4	1480	91	0.89	6.5	1.6	1.8
LWYD-250M-2-001	55	103.2	2960	87	0.92	7.0	1.6	1.8
LWYD-280S-4-001	60	111.3	1480	91	0.90	6.5	1.4	1.8
LWYD-280S-2-001	72	135.1	2970	88	0.92	7.0	1.5	1.8
LWYD-280M-4-001	72	133.6	1480	91	0.90	6.5	1.4	1.8
LWYD-280M-2-001	82	152.2	2970	88	0.93	7.0	1.5	1.8

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Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-90S-6-001	0.65	2.2	920	64	0.68	6	1.6	1.8
LWYD-90S-4-002	0.85	2.3	1420	70	0.79	6.5	1.4	1.8
LWYD-90L-6-001	0.85	2.8	930	66	0.70	6	1.6	1.8
LWYD-90L-4-002	1.1	3.0	1420	71	0.79	6.5	1.5	1.8
LWYD-100L1-6-001	1.3	3.8	940	74	0.70	6	1.7	1.8
LWYD-100L1-4-002	1.8	4.4	1440	77	0.80	6.5	1.4	1.8
LWYD-100L2-6-001	1.5	4.3	940	75	0.70	6	1.6	1.8
LWYD-100L2-4-002	2.2	5.4	1440	77	0.80	6.5	1.4	1.8
LWYD-112M-6-001	2.2	5.7	960	78	0.75	6	1.8	1.8
LWYD-112M-4-002	2.8	6.7	1440	77	0.82	6.5	1.5	1.8
LWYD-132S-6-001	3	7.7	960	79	0.75	6	1.8	1.8
LWYD-132S-4-002	4	9.5	1440	78	0.82	6.5	1.7	1.8
LWYD-132M-6-001	4	9.8	960	82	0.76	6	1.6	1.8
LWYD-132M-4-002	5.5	12.3	1440	80	0.85	6.5	1.4	1.8
LWYD-160M-6-001	6.5	15.1	970	84	0.78	6	1.5	1.8
LWYD-160M-4-002	8	17.4	1460	82	0.84	6.5	1.5	1.8
LWYD-160L-6-001	9	20.6	970	85	0.78	6	1.6	1.8
LWYD-160L-4-002	11	23.4	1460	83	0.85	6.5	1.7	1.8
LWYD-180M-6-001	11	25.9	980	85	0.78	6	1.6	1.8
LWYD-180M-4-002	14	29.8	1470	84	0.85	6.5	1.7	1.8
LWYD-180L-6-001	13	29.4	980	86	0.76	6	1.7	1.8
LWYD-180L-4-002	16	33.6	1470	85	0.85	6.5	1.7	1.8
LWYD-200L-6-001	18.5	41.4	980	87	0.78	6.5	1.6	1.8
LWYD-200L-4-002	22	44.7	1460	86.5	0.86	7	1.5	1.8
LWYD-225S-6-001	22	44.2	980	88	0.86	6.5	1.8	1.8
LWYD-225S-4-002	28	56.2	1470	86.5	0.87	7	1.8	1.8
LWYD-225M-6-001	26	52.2	980	88	0.86	6.5	1.8	1.8
LWYD-225M-4-002	34	66.0	1470	85.5	0.90	7	1.8	1.8
LWYD-250M-6-001	32	62.1	980	90	0.87	6.5	1.6	1.8
LWYD-250M-4-002	42	74.7	1470	86.5	0.91	7	1.6	1.8
LWYD-280S-6-001	42	81.5	980	90	0.87	6.5	1.4	1.8
LWYD-280S-4-002	55	104.2	1470	87	0.90	7	1.5	1.8
LWYD-280M-6-001	55	106.7	990	90	0.87	6.5	1.4	1.8
LWYD-280M-4-002	72	138.1	1480	87	0.89	7	1.5	1.8

Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-90L-8-001	0.45	1.9	680	58	0.63	5.5	1.6	1.8
LWYD-90L-4-003	0.75	1.93	1420	72	0.87	6.5	1.4	1.8
LWYD-100L-8-001	0.85	3.1	700	67	0.63	5.5	1.6	1.8
LWYD-100L-4-001	1.5	3.5	1420	74	0.88	6.5	1.4	1.8
LWYD-112M-8-001	1.5	5.0	700	72	0.63	5.5	1.7	1.8
LWYD-112M-4-003	2.4	5.3	1420	78	0.88	6.5	1.7	1.8
LWYD-132S-8-001	2.2	7.0	720	75	0.64	5.5	1.5	1.8
LWYD-132S-4-003	3.3	7.1	1440	80	0.88	6.5	1.7	1.8
LWYD-132M-8-001	3	9.0	720	78	0.65	5.5	1.5	1.8
LWYD-132M-4-003	4.5	9.4	1440	82	0.89	6.5	1.6	1.8
LWYD-160M-8-001	5	13.9	730	83	0.66	5.5	1.5	1.8
LWYD-160M-4-003	7.5	15.2	1450	84	0.89	6.5	1.6	1.8
LWYD-160L-8-001	7	19	730	85	0.66	5.5	1.5	1.8
LWYD-160L-4-003	11	21.8	1450	86	0.89	6.5	1.6	1.8
LWYD-180L-8-001	11	26.0	730	87	0.72	6	1.5	1.8
LWYD-180L-4-003	17	31.9	1470	88	0.91	7	1.5	1.8
LWYD-200L1-8-001	14	33.0	740	87	0.74	6	1.8	1.8
LWYD-200L1-4-001	22	41.3	1470	88	0.92	7	1.7	1.8
LWYD-200L2-8-001	17	40.1	740	87	0.74	6	1.5	1.8
LWYD-200L2-4-001	26	48.8	1470	88	0.92	7	1.7	1.8
LWYD-225M-8-001	24	53.2	740	89	0.77	6	1.5	1.8
LWYD-225M-4-003	34	66.7	1470	88	0.88	7	1.5	1.8
LWYD-250M-8-001	30	64.9	740	90	0.78	6	1.6	1.8
LWYD-250M-4-003	42	78.8	1480	89	0.91	7	1.7	1.8
LWYD-280S-8-001	40	83.5	740	91	0.80	6	1.6	1.8
LWYD-280S-4-003	55	102	1480	90	0.91	7	1.7	1.8
LWYD-280M-8-001	47	96.9	740	91	0.81	6	1.6	1.8
LWYD-280M-4-003	67	122.9	1480	90	0.92	7	1.7	1.8

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Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-90S-8-002	0.35	1.6	680	56	0.60	5	1.8	1.8
LWYD-90S-6-002	0.45	1.4	930	70	0.73	6	2	1.8
LWYD-90L-8-002	0.45	1.9	680	59	0.60	5	1.7	1.8
LWYD-90L-6-002	0.65	1.9	930	71	0.73	6	1.8	1.8
LWYD-100L-8-002	0.75	2.9	710	65	0.60	5	1.8	1.8
LWYD-100L-6-001	1.1	3.1	950	75	0.73	6	1.9	1.8
LWYD-112M-8-002	1.3	4.5	710	72	0.61	5	1.7	1.8
LWYD-112M-6-002	1.8	4.8	950	78	0.73	6	1.9	1.8
LWYD-132S-8-002	1.8	5.8	730	76	0.62	5	1.6	1.8
LWYD-132S-6-002	2.4	6.2	970	80	0.73	6	1.9	1.8
LWYD-132M-8-002	2.6	8.2	730	78	0.62	5	1.9	1.8
LWYD-132M-6-002	3.7	9.4	970	82	0.73	6	1.9	1.8
LWYD-160M-8-002	4.5	13.3	730	83	0.62	5	1.6	1.8
LWYD-160M-6-002	6	14.7	980	85	0.73	6	1.9	1.8
LWYD-160L-8-002	6	17.5	730	84	0.62	5	1.6	1.8
LWYD-160L-6-002	8	19.4	980	86	0.73	6	1.9	1.8
LWYD-180M-8-002	7.5	21.9	730	84	0.62	5	1.9	1.8
LWYD-180M-6-002	10	24.2	980	86	0.73	6	1.9	1.8
LWYD-180L-8-002	9	24.8	730	85	0.65	5	1.8	1.8
LWYD-180L-6-002	12	28.3	980	86	0.75	6	1.8	1.8
LWYD-200L1-8-002	12	32.5	730	86	0.65	5	1.8	1.8
LWYD-200L1-6-001	17	39.1	980	87	0.76	6	2	1.8
LWYD-200L2-8-002	15	40.3	730	87	0.65	5	1.8	1.8
LWYD-200L2-6-001	20	45.3	980	88	0.76	6	2	1.8

Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-225M-6-002	30	58.5	980	90	0.86	5	1.5	1.8
LWYD-225M-8-002	15	33.1	730	88	0.78	5	1.5	1.8
LWYD-160M-12-001	2.6	11.6	480	75	0.46	4	1.2	1.8
LWYD-160M-6-003	5	11.9	970	84	0.76	6	1.4	1.8
LWYD-160L-12-001	3.7	16.4	480	77	0.46	4	1.2	1.8
LWYD-160L-6-003	7	15.8	970	85	0.79	6	1.4	1.8
LWYD-180M-12-001	5.5	19.6	490	79	0.54	4	1.3	1.8
LWYD-180M-6-003	10	20.5	980	86	0.86	6	1.5	1.8
LWYD-200L1-12-001	7.5	25.1	490	82	0.56	4	1.5	1.8
LWYD-200L1-6-002	13	26.4	980	87	0.86	6	1.5	1.8
LWYD-200L2-12-001	9	28.9	490	87	0.57	4	1.5	1.8
LWYD-200L2-6-002	15	30.4	980	87	0.87	6	1.5	1.8
LWYD-225M-12-001	12	35.8	490	85	0.61	4	1.5	1.8
LWYD-225M-6-003	20	39.7	980	88	0.87	6	1.5	1.8
LWYD-250M-12-001	15	42.9	490	86	0.63	4	1.5	1.8
LWYD-250M-6-002	24	47.6	980	88	0.87	6	1.5	1.8
LWYD-280S-12-001	20	54.8	490	88	0.63	4	1.5	1.8
LWYD-280S-6-002	30	58.9	990	89	0.87	6	1.5	1.8
LWYD-280M-12-001	24	63.7	490	88	0.65	4	1.5	1.8
LWYD-280M-6-002	37	72.6	990	89	0.87	6	1.5	1.8
LWYD-100L-6-002	0.75	2.6	950	67	0.65	5.5	1.8	1.8
LWYD-100L-4-002	1.3	3.7	1440	72	0.75	6	1.6	1.8
LWYD-100L-2-001	1.8	4.5	2900	71	0.85	7	1.6	1.8
LWYD-112M-6-003	1.1	3.5	960	73	0.65	5.5	1.7	1.8
LWYD-112M-4-004	2.0	5.1	1450	74	0.81	6	1.4	1.8
LWYD-112M-2-002	2.4	5.8	2920	74	0.85	7	1.6	1.8
LWYD-132S-6-003	1.8	5.1	970	75	0.71	5.5	1.4	1.8
LWYD-132S-2-002	2.6	6.1	1460	78	0.83	6	1.3	1.8
LWYD-132S-4-004	3	7.4	2910	71	0.87	7	1.7	1.8
LWYD-132M1-6-001	2.2	6.0	970	77	0.72	5.5	1.3	1.8
LWYD-132M1-4-001	3.3	7.5	1460	80	0.84	6	1.3	1.8
LWYD-132M1-2-001	4	8.8	2910	76	0.91	7	1.7	1.8
LWYD-132M2-6-001	2.6	6.9	970	80	0.72	5.5	1.5	1.8
LWYD-132M2-4-001	4	9.0	1460	80	0.84	6	1.4	1.8
LWYD-132M2-2-001	5	10.8	2910	77	0.91	7	1.7	1.8

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Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-160M-6-004	3.7	9.5	980	82	0.72	5.5	1.5	1.8
LWYD-160M-4-004	5	11.2	1470	81	0.84	6	1.3	1.8
LWYD-160M-2-002	6	13.2	2930	76	0.91	7	1.4	1.8
LWYD-160L-6-004	4.5	11.4	980	83	0.72	5.5	1.5	1.8
LWYD-160L-4-004	7	15.1	1470	83	0.85	6	1.2	1.8
LWYD-160L-2-002	9	18.8	2930	79	0.92	7	1.3	1.8
LWYD-112M-8-003	0.65	2.7	700	59	0.63	4.5	1.4	1.8
LWYD-112M-4-005	2	5.1	1450	74	0.81	6	1.3	1.8
LWYD-112M-2-003	2.4	5.8	2920	74	0.85	7	1.2	1.8
LWYD-132S-8-003	1	3.6	720	69	0.61	4.5	1.4	1.8
LWYD-132S-4-005	2.6	6.1	1460	78	0.83	6	1.2	1.8
LWYD-132S-2-003	3	7.1	2910	74	0.87	7	1.4	1.8
LWYD-132M-8-003	1.3	4.6	720	71	0.61	4.5	1.5	1.8
LWYD-132M-4-004	3.7	8.4	1460	80	0.84	6	1.3	1.8
LWYD-132M-2-002	4.5	10	2910	75	0.91	7	1.4	1.8
LWYD-160M-8-003	2.2	7.6	720	75	0.59	4.5	1.4	1.8
LWYD-160M-4-005	5	11.2	1440	81	0.84	6	1.3	1.8
LWYD-160M-2-003	6	13.2	2910	76	0.91	7	1.4	1.8
LWYD-160L-8-003	2.8	9.2	720	77	0.60	4.5	1.3	1.8
LWYD-160L-4-005	7	15.1	1440	83	0.85	6	1.2	1.8
LWYD-160L-2-003	9	18.8	2910	79	0.92	7	1.3	1.8
LWYD-112M-8-004	0.85	3.7	710	62	0.56	5.5	1.7	1.8
LWYD-112M-6-004	1	3.1	950	68	0.73	6.5	1.3	1.8
LWYD-112M-4-006	1.5	3.5	1440	75	0.86	7	1.5	1.8
LWYD-132S-8-004	1.1	4.1	730	68	0.60	5.5	1.4	1.8
LWYD-132S-6-004	1.5	4.2	970	74	0.73	6.5	1.3	1.8
LWYD-132S-4-006	1.8	4.0	1460	78	0.87	7	1.3	1.8
LWYD-132M1-8-001	1.5	5.2	730	71	0.62	5.5	1.3	1.8
LWYD-132M1-6-002	2	5.4	970	77	0.73	6.5	1.5	1.8
LWYD-132M1-4-002	2.2	4.9	1460	79	0.87	7	1.4	1.8
LWYD-132M2-8-001	1.8	6.3	730	72	0.62	5.5	1.5	1.8
LWYD-132M2-6-002	2.6	6.8	970	78	0.74	6.5	1.5	1.8
LWYD-132M2-4-002	3	6.5	1460	80	0.87	7	1.5	1.8
LWYD-160M-8-004	3.3	10.2	720	79	0.62	5.5	1.7	1.8
LWYD-160M-6-005	4	9.9	960	81	0.76	6.5	1.4	1.8
LWYD-160M-4-006	5.5	11.6	1440	83	0.87	7	1.5	1.8

Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-160L-8-004	4.5	13.8	720	80	0.62	5.5	1.6	1.8
LWYD-160L-6-005	6	14.5	960	83	0.76	6.5	1.6	1.8
LWYD-160L-4-006	7.5	15.6	1440	84	0.87	7	1.5	1.8
LWYD-180L-8-003	7	18.5	740	81	0.65	6.5	1.6	1.8
LWYD-180L-6-003	9	20.6	980	83	0.80	7	1.5	1.8
LWYD-180L-4-004	12	24.1	1470	84	0.90	7	1.4	1.8
LWYD-200L-8-001	10	25.8	740	85	0.72	6.5	1.6	1.8
LWYD-200L-6-002	13	28.7	980	86	0.81	7	1.5	1.8
LWYD-200L-4-003	17	33.4	1470	86	0.90	7	1.4	1.8
LWYD-225S-8-001	14	34.3	740	86	0.70	6.5	1.6	1.8
LWYD-225S-6-002	18.5	39.9	980	87	0.81	7	1.5	1.8
LWYD-225S-4-003	24	46.6	1480	87	0.90	7	1.4	1.8
LWYD-225M-8-003	17	42.4	740	87	0.70	6.5	1.6	1.8
LWYD-225M-6-004	22	43.2	980	87	0.85	7	1.6	1.8
LWYD-225M-4-004	28	34.3	1480	87	0.90	7	1.4	1.8
LWYD-250M-8-002	24	55.3	740	88	0.75	6.5	1.5	1.8
LWYD-250M-6-003	26	52.8	990	88	0.85	7	1.6	1.8
LWYD-250M-4-004	34	63.1	1480	88	0.92	7	1.4	1.8
LWYD-280S-8-002	30	68.1	740	89	0.75	6.5	1.5	1.8
LWYD-280S-6-003	34	67.5	990	89	0.86	7	1.6	1.8
LWYD-280S-4-004	42	77.9	1480	89	0.92	7	1.4	1.8
LWYD-280M-8-002	34	77.4	740	89	0.75	6.5	1.4	1.8
LWYD-280M-6-003	37	73.4	990	89	0.86	7	1.5	1.8
LWYD-280M-4-004	50	91.8	1480	89	0.92	7	1.4	1.8
LWYD-180L-10-001	3.3	13	480	72	0.55	5	1.6	1.8
LWYD-180L-8-004	5	16	740	79	0.62	6.5	1.5	1.8
LWYD-180L-6-004	6.5	14	970	82	0.88	6.5	1.3	1.8
LWYD-180L-4-005	9	19	1470	83	0.89	7	1.3	1.8
LWYD-200L1-10-001	4.5	17	490	74	0.56	5	1.3	1.8
LWYD-200L1-8-003	7	20	740	81	0.67	6.5	1.3	1.8
LWYD-200L1-6-003	8	17	980	83	0.88	6.5	1.3	1.8
LWYD-200L1-4-002	11	23	1480	84	0.88	7	1.3	1.8

Technical Data of LWYD Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYD-200L2-10-001	5.5	20	490	75	0.56	5	1.3	1.8
LWYD-200L2-8-003	8	22	740	81	0.67	6.5	1.3	1.8
LWYD-200L2-6-003	10	21	980	83	0.88	6.5	1.3	1.8
LWYD-200L2-4-002	13	27	1480	84	0.88	7	1.3	1.8
LWYD-225M-10-001	7	21	490	81	0.63	5	1.6	1.8
LWYD-225M-8-004	11	27.6	740	85	0.72	6.5	1.6	1.8
LWYD-225M-6-005	13	26	980	85	0.88	6.5	1.5	1.8
LWYD-225M-4-005	20	39	1480	86	0.90	7	1.3	1.8
LWYD-250M-10-001	9	26	490	82	0.63	5	1.6	1.8
LWYD-250M-8-003	14	34	740	84	0.73	6.5	1.6	1.8
LWYD-250M-6-004	16	33	990	85	0.88	6.5	1.5	1.8
LWYD-250M-4-005	26	49	1480	87	0.92	7	1.3	1.8
LWYD-280S-10-001	11	32	490	83	0.63	5	1.6	1.8
LWYD-280S-8-003	18.5	43	740	87	0.75	6.5	1.6	1.8
LWYD-280S-6-004	20	41	990	85	0.88	6.5	1.5	1.8
LWYD-280S-4-005	34	65	1490	87	0.92	7	1.3	1.8
LWYD-280M-10-001	13	37	490	84	0.63	5	1.7	1.8
LWYD-280M-8-003	22	51	740	87	0.75	6.5	1.7	1.8
LWYD-280M-6-004	24	49	990	85	0.88	6.5	1.6	1.8
LWYD-280M-4-005	40	75	1490	88	0.92	7	1.5	1.8

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LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Professional HVAC Fan &Motors Manufacturer



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https://www.longwellfans.com Email:sales@zjlongwell.com

Type Code

LW Y DT - 132 S1 - 2 - 001

- Series Number
- Poles
- Type Frame
- Centre Height of Frame Size
- Multi-speed
- Asynchronous Motor
- Longwell

LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Product Overview

LWYDT series of motors are variable pole multi speed three-phase asynchronous motors manufactured by our company according to the industry standard JB / t8681-2013. It is suitable for fans and pumps to change speed according to the requirements of load properties, and then help to rationally match the power and simplify speed control system. With the characteristics of high efficiency, high starting torque and low vi-bration, it is widely used in the fields of machine tool, mining, metallurgy, textile, printing and dyeing and so on.

Technical Parameters

1) Basic Parameters

Centre Height of Frame Size: 80-280mm

Power Range: 0.35-82kw

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

Protection Class: IP55, IP54

Insulation Class: I55(F)

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

Type of Cooling: IC411

Power 3kw and below is star-connection, Power above 3kw 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

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Technical Data of LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYDT-80M1-2-001	0.75	2	2830	68	0.82	7.5	2.0	1.8
LWYDT-80M1-4-001	0.17	0.7	1400	58	0.62	5.5	1.4	1.8
LWYDT-80M2-2-001	0.95	2.5	2830	70	0.81	7.5	2.0	1.8
LWYDT-80M2-4-001	0.25	0.9	1400	64	0.65	5.5	1.4	1.8
LWYDT-90S-2-001	1.4	3.7	2840	71	0.82	7.5	2.0	1.8
LWYDT-90S-4-001	0.3	0.9	1420	70	0.72	5.5	1.4	1.8
LWYDT-90L-2-001	1.9	4.5	2840	75	0.86	7.5	2.0	1.8
LWYDT-90L-4-001	0.4	1.2	1420	72	0.73	5.5	1.4	1.8
LWYDT-100L1-2-001	2.5	5.3	2860	82	0.87	7.5	2.0	1.8
LWYDT-100L1-4-001	0.65	1.9	1440	74	0.72	5.5	1.4	1.8
LWYDT-100L2-2-001	3.1	6.6	2860	82	0.87	7.5	2.0	1.8
LWYDT-100L2-4-001	0.8	2.2	1440	76	0.72	5.5	1.4	1.8
LWYDT-112M-2-001	4.4	9.3	2860	82	0.88	7.5	2.0	1.8
LWYDT-112M-4-001	1.1	2.8	1440	80	0.74	5.5	1.4	1.8
LWYDT-132S-2-001	5.9	11.9	2880	83	0.91	7.5	1.9	1.8
LWYDT-132S-4-001	1.4	3.6	1450	80	0.74	5.5	1.3	1.8
LWYDT-132M-2-001	8.0	15.7	2880	85	0.91	7.5	1.9	1.8
LWYDT-132M-4-001	2.0	4.8	1450	83	0.77	5.5	1.3	1.8
LWYDT-160M-2-001	12.5	24.3	2910	86	0.91	7.5	1.9	1.8
LWYDT-160M-4-001	2.8	6.7	1460	85	0.75	5.5	1.3	1.8
LWYDT-160L-2-001	16	30.7	2910	87	0.91	7.5	1.9	1.8
LWYDT-160L-4-001	3.8	8.8	1460	86	0.76	5.5	1.3	1.8
LWYDT-90S-4-002	1.1	3.1	1410	70	0.78	7.0	1.8	1.8
LWYDT-90S-6-001	0.32	1.2	920	63	0.66	6.0	1.6	1.8
LWYDT-90L-4-002	1.4	3.6	1410	72	0.81	7.0	1.8	1.8
LWYDT-90L-6-001	0.45	1.5	920	68	0.66	6.0	1.6	1.8
LWYDT-100L1-4-002	2.2	5.3	1430	80	0.79	7.0	1.8	1.8
LWYDT-100L1-6-001	0.7	2.2	940	73	0.66	6.0	1.6	1.8
LWYDT-100L2-4-002	2.5	6.0	1430	81	0.78	7.0	1.8	1.8
LWYDT-100L2-6-001	0.9	2.8	940	74	0.67	6.0	1.6	1.8
LWYDT-112M-4-002	3.2	7.2	1440	82	0.82	7.0	1.8	1.8
LWYDT-112M-6-001	1.1	3.2	950	78	0.68	6.0	1.6	1.8
LWYDT-132S-4-002	4.7	10.2	1450	84	0.83	7.0	1.8	1.8
LWYDT-132S-6-001	1.5	4.1	960	81	0.68	6.0	1.6	1.8
LWYDT-132M-4-002	6.7	14.1	1450	85	0.85	7.0	1.8	1.8
LWYDT-132M-6-001	2.2	5.8	960	83	0.69	6.0	1.6	1.8
LWYDT-160M-4-002	9.5	19.8	1460	87	0.84	7.5	1.8	1.8
LWYDT-160M-6-001	3.1	8.2	970	83	0.69	7.0	1.6	1.8

Technical Data of LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYDT-160L-4-002	12	24.7	1460	88	0.84	7.5	1.8	1.8
LWYDT-160L-6-001	4	10.6	970	83	0.69	7.0	1.6	1.8
LWYDT-180M-4-001	15.5	32.2	1470	87	0.84	7.5	1.5	1.8
LWYDT-180M-6-001	5.1	13.3	980	81	0.72	7.0	1.5	1.8
LWYDT-180L-4-001	18	37.0	1470	87	0.85	7.5	1.5	1.8
LWYDT-180L-6-001	6.2	15.7	980	81	0.74	7.0	1.5	1.8
LWYDT-200L-4-001	24	48.7	1470	88	0.85	7.5	1.5	1.8
LWYDT-200L-6-001	8.5	20.2	980	83	0.77	7.0	1.5	1.8
LWYDT-225S-4-001	33	65.5	1470	89	0.86	7.5	1.5	1.8
LWYDT-225S-6-001	11	23.7	980	84	0.84	7.0	1.5	1.8
LWYDT-225M-4-001	38	74.6	1470	90	0.86	7.5	1.5	1.8
LWYDT-225M-6-001	13	27.3	980	85	0.85	7.0	1.5	1.8
LWYDT-250M-4-001	47	89.1	1480	90	0.89	7.5	1.5	1.8
LWYDT-250M-6-001	16	32.9	985	85	0.87	7.0	1.5	1.8
LWYDT-280S-4-001	55	105.5	1480	90	0.88	7.5	1.5	1.8
LWYDT-280S-6-001	18.5	38.5	985	85	0.86	7.0	1.5	1.8
LWYDT-280M1-4-001	70	132.8	1480	91	0.88	7.5	1.5	1.8
LWYDT-280M1-6-001	25	50.2	985	87	0.87	7.0	1.5	1.8
LWYDT-280M2-4-001	84	159.4	1480	91	0.88	7.5	1.5	1.8
LWYDT-280M2-6-001	28	56.2	985	87	0.87	7.0	1.5	1.8
LWYDT-315S-4-001	95	184.4	1485	91	0.86	7.5	1.5	1.8
LWYDT-315S-6-001	32	69.1	990	89	0.79	7.0	1.5	1.8
LWYDT-315M-4-002	115	220.8	1485	92	0.86	7.5	1.5	1.8
LWYDT-315M-6-001	38	82.2	990	90	0.78	7.0	1.5	1.8
LWYDT-315L1-4-002	135	259.2	1485	92	0.86	7.5	1.5	1.8
LWYDT-315L1-6-001	45	95.0	990	90	0.80	7.0	1.5	1.8
LWYDT-315L2-4-002	160	303.9	1485	93	0.86	7.5	1.5	1.8
LWYDT-315L2-6-001	55	114.8	990	91	0.80	7.0	1.5	1.8
LWYDT-90S-4-003	1.0	2.6	1410	70	0.82	7.5	1.9	1.8
LWYDT-90S-8-001	0.22	1.0	680	55	0.62	5.0	1.5	1.8
LWYDT-90L-4-003	1.3	3.3	1410	72	0.82	7.5	1.9	1.8
LWYDT-90L-8-001	0.3	1.2	680	58	0.63	5.0	1.5	1.8
LWYDT-100L1-4-003	2.0	4.7	1420	80	0.80	7.5	1.9	1.8
LWYDT-100L1-8-001	0.55	2.1	700	65	0.61	5.0	1.5	1.8
LWYDT-100L2-4-003	2.4	5.6	1420	80	0.81	7.5	1.9	1.8
LWYDT-100L2-8-001	0.65	2.5	700	66	0.61	5.0	1.5	1.8
LWYDT-112M-4-003	3.0	7.5	1420	83	0.78	7.5	1.9	1.8
LWYDT-112M-8-001	0.9	3.3	700	71	0.59	5.0	1.5	1.8

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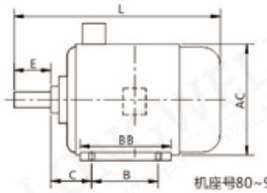
Technical Data of LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYDT-132S-4-003	4.5	9.9	1440	84	0.82	7.5	2.0	1.8
LWYDT-132S-8-001	1.1	3.8	710	75	0.59	5.0	1.2	1.8
LWYDT-132M-4-003	6.3	13.6	1440	85	0.83	7.5	2.0	1.8
LWYDT-132M-8-001	1.5	5	710	78	0.59	5.0	1.2	1.8
LWYDT-160M-4-003	8.9	18.7	1450	85	0.85	7.5	2.0	1.8
LWYDT-160M-8-001	2	5.5	720	82	0.67	5.0	1.2	1.8
LWYDT-160L-4-003	12	24.7	1450	86	0.86	7.5	2.0	1.8
LWYDT-160L-8-001	2.7	7.3	720	84	0.67	5.0	1.2	1.8
LWYDT-180M-4-002	16	32.5	1470	88	0.85	7.5	2.0	1.8
LWYDT-180M-8-001	4	11.1	730	84	0.65	5.0	1.2	1.8
LWYDT-180L-4-002	19.5	39.2	1470	89	0.85	7.5	2.0	1.8
LWYDT-180L-8-001	5	13.5	730	85	0.66	5.0	1.2	1.8
LWYDT-200L-4-002	29	57.6	1470	90	0.85	7.5	2.0	1.8
LWYDT-200L-8-001	7.5	19.8	730	87	0.66	5.0	1.2	1.8
LWYDT-225M-4-002	40	75.9	1480	91	0.88	7.5	2.0	1.8
LWYDT-225M-8-001	9.5	25.6	735	88	0.64	5.0	1.3	1.8
LWYDT-250M-4-002	52	99.8	1480	91	0.87	7.5	2.0	1.8
LWYDT-250M-8-001	14.5	37.9	735	88	0.66	5.0	1.3	1.8
LWYDT-280S-4-002	65	124.7	1480	91	0.87	7.5	2.0	1.8
LWYDT-280S-8-001	17	42.7	735	89	0.68	5.0	1.3	1.8
LWYDT-280M-4-001	75	142.3	1480	91	0.88	7.5	2.0	1.8
LWYDT-280M-8-001	18.5	44.6	735	90	0.7	5.0	1.3	1.8
LWYDT-315S-4-002	92	178.6	1485	91	0.86	7.5	2.0	1.8
LWYDT-315S-8-001	25	60.3	740	90	0.7	5.0	1.3	1.8
LWYDT-315M-4-002	110	211.2	1485	92	0.87	7.5	2.0	1.8
LWYDT-315M-8-001	30	71.6	740	91	0.7	5.0	1.3	1.8
LWYDT-315L1-4-002	135	256.3	1485	92	0.87	7.5	2.0	1.8
LWYDT-315L1-8-001	36	85.9	740	91	0.7	5.0	1.3	1.8
LWYDT-315L2-4-002	155	294.2	1485	92	0.87	7.5	2.0	1.8
LWYDT-315L2-8-001	41	96.4	740	91	0.71	5.0	1.3	1.8
LWYDT-90S-6-002	0.65	2.4	920	65	0.63	7.0	1.8	1.8
LWYDT-90S-8-002	0.25	1.3	680	52	0.58	6.0	1.6	1.8
LWYDT-90L-6-002	0.80	2.9	920	67	0.62	7.0	1.8	1.8
LWYDT-90L-8-002	0.35	1.6	680	56	0.58	6.0	1.6	1.8
LWYDT-100L1-6-002	1.3	4.2	940	71	0.66	7.0	1.8	1.8
LWYDT-100L1-8-002	0.55	2.3	690	62	0.58	6.0	1.6	1.8
LWYDT-100L2-6-002	1.6	4.9	940	74	0.67	7.0	1.8	1.8
LWYDT-100L2-8-002	0.75	2.9	690	66	0.59	6.0	1.6	1.8

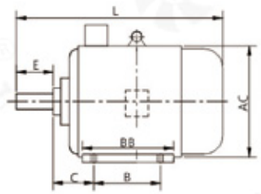
Technical Data of LWYDT Series Pole-changing Multi-speed Three-phase Asynchronous Motor

Model	Rated Power(KW)	Rated Current(A)	Rated Speed(r/min)	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)
LWYDT-112M-6-002	2	6.0	940	74	0.68	7.0	1.8	1.8
LWYDT-112M-8-002	0.85	3.3	690	67	0.59	6.0	1.6	1.8
LWYDT-132S-6-002	2.6	7.0	950	79	0.71	7.0	1.8	1.8
LWYDT-132S-8-002	1.2	4.2	710	73	0.6	6.0	1.6	1.8
LWYDT-132M1-6-001	3.3	8.2	950	80	0.76	7.0	1.8	1.8
LWYDT-132M1-8-001	1.6	5.3	710	76	0.6	6.0	1.6	1.8
LWYDT-132M2-6-001	4.5	11.1	950	82	0.75	7.0	1.8	1.8
LWYDT-132M2-8-001	2.2	7.2	710	77	0.6	6.0	1.6	1.8
LWYDT-160M-6-002	6.5	15.5	965	84	0.76	7.0	1.8	1.8
LWYDT-160M-8-002	3.2	10.0	725	80	0.61	6.0	1.6	1.8
LWYDT-160L-6-002	9	20.6	965	86	0.77	7.0	1.8	1.8
LWYDT-160L-8-002	4.5	13.4	725	82	0.62	6.0	1.6	1.8
LWYDT-180L-6-002	13	29.8	965	86	0.77	7.0	1.5	1.8
LWYDT-180L-8-002	6.5	18.8	725	81	0.65	6.0	1.5	1.8
LWYDT-200L1-6-001	17	37.1	970	87	0.8	7.0	1.5	1.8
LWYDT-200L1-8-001	8.5	23.9	730	82	0.66	6.0	1.5	1.8
LWYDT-200L2-6-001	21	45.3	970	88	0.8	7.0	1.5	1.8
LWYDT-200L2-8-001	11	29.6	730	83	0.68	6.0	1.5	1.8
LWYDT-225M-6-002	30	61.7	980	89	0.83	7.0	1.5	1.8
LWYDT-225M-8-002	15	33.6	735	87	0.78	6.0	1.5	1.8
LWYDT-250M-6-002	37	72.6	980	90	0.86	7.0	1.5	1.8
LWYDT-250M-8-002	18	39.3	735	87	0.8	6.0	1.5	1.8
LWYDT-280S-6-002	45	88.3	980	90	0.86	7.0	1.5	1.8
LWYDT-280S-8-002	22	46.9	735	88	0.81	6.0	1.5	1.8
LWYDT-280M1-6-002	55	112.0	980	91	0.82	7.0	1.5	1.8
LWYDT-280M1-8-001	28	59.0	735	89	0.81	6.0	1.5	1.8
LWYDT-280M2-6-002	65	132.3	980	91	0.82	7.0	1.5	1.8
LWYDT-280M2-8-001	32	67.4	735	89	0.81	6.0	1.5	1.8
LWYDT-315S-6-002	75	149.1	985	91	0.84	7.0	1.5	1.8
LWYDT-315S-8-002	37	80.1	740	90	0.78	6.0	1.5	1.8
LWYDT-315M-6-002	90	174.9	985	92	0.85	7.0	1.5	1.8
LWYDT-315M-8-002	45	93.9	740	91	0.8	6.0	1.5	1.8
LWYDT-315L1-6-002	110	213.7	985	92	0.85	7.0	1.5	1.8
LWYDT-315L1-8-002	55	117.7	740	91	0.78	6.0	1.5	1.8
LWYDT-315L2-6-002	132	256.5	985	92	0.85	7.0	1.5	1.8
LWYDT-315L2-8-002	66	141.3	740	91	0.78	6.0	1.5	1.8

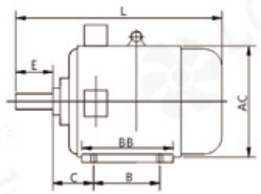
Outline and Mounting Dimensions of LWYD/LWYDT series Asynchronous Motor



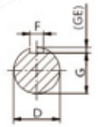
机座号80~90

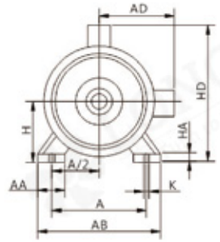


机座号100~132



机座号160~280



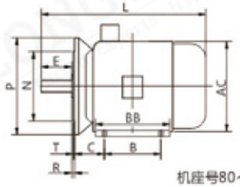


机座号80~280

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

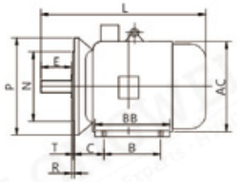
Frame	Poles	Mounting Dimension												Figure Size			
		A	A/2	B	C	D	E	F	G[a]	H	K	AA	BB	AB	AC	AD	HD	L
80M	2,4	125	62.5	100	50	19	40	6	15.5	80	10	34	135	165	175	150	175	290
90S	2,4,6,8	140	70	100	56	24	50	8	20	90	10	36	140	180	195	160	195	315
90L	2,4,6,8	140	70	125	56	24	50	8	20	90	10	36	165	180	195	160	195	340
100L	2,4,6,8	160	80	140	63	28	60	8	24	100	12	40	176	205	215	180	245	380
112M	2,4,6,8	190	95	140	70	28	60	8	24	112	12	45	180	245	240	190	265	400
132S	2,4,6,8	216	108	140	89	38	80	10	33	132	12	55	186	280	275	210	315	475
132M	2,4,6,8	216	108	178	89	38	80	10	33	132	12	55	224	280	275	210	315	515
160M	2,4,6,8	254	127	210	108	42	110	12	37	160	14.5	65	260	330	335	265	385	605
160L	2,4,6,8	254	127	254	108	42	110	12	37	160	14.5	65	304	330	335	265	385	650
180M	2,4,6,8	279	139.5	241	121	48	110	14	42.5	180	14.5	70	311	355	380	285	430	670
180L	2,4,6,8	279	139.5	279	121	48	110	14	42.5	180	14.5	70	349	355	380	285	430	710
200L	2,4,6,8	318	159	305	133	55	110	16	49	200	18.5	70	369	395	420	315	475	775
225S	4,8	356	178	286	149	60	140	18	53	225	18.5	75	368	435	475	345	530	820
225M	2	356	178	311	149	55	110	16	49	225	18.5	75	393	435	475	345	530	815
225M	4,6,8	356	178	311	149	60	140	18	53	225	18.5	75	393	435	475	345	530	845
250M	2	406	203	349	168	60	140	18	53	250	24	80	445	490	515	385	575	930
250M	2,6,8	406	203	349	168	65	140	18	58	250	24	80	445	490	515	385	575	930
280S	2	457	228.5	368	190	65	140	18	58	280	24	85	485	550	580	410	640	1000
280S	4,6,8	457	228.5	368	190	75	140	20	67.5	280	24	85	485	550	580	410	640	1000
280M	2	457	228.5	419	190	65	140	18	58	280	24	85	536	550	580	410	640	1050
280M	4,6,8	457	228.5	419	190	75	140	20	67.5	280	24	85	536	550	580	410	640	1050

Outline and Mounting Dimensions of LWYD/LWYDT series Asynchronous Motor

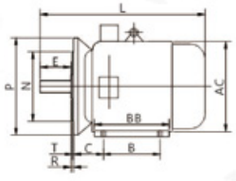


机座号80~90

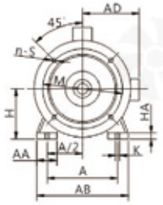




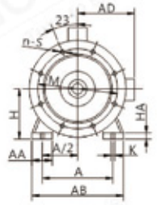
机座号100~132



机座号160~280



机座号80~200



机座号225~280

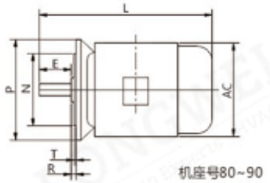
Electric motor with foot-mounted frame and a flanged end shield (with through holes) unit: mm

Frame	Flange Size	Poles	Mounting Dimension																	Figure Size					
			A	A/2	B	C	D	E	F	G[a]	H	K	AA	BB	M	N	P[b]	R[c]	n-S	T	AB	AC	AD	HD	L
80M	FF165	2.4	125	62.5	100	50	19	40	6	15.5	80	10	34	135	165	130	200	0	4-Φ12	3.5	165	175	150	175	290
90S	FF165	2.4.6	140	70	100	56	24	50	8	20	90	10	36	140	165	130	200	0	4-Φ12	3.5	180	195	160	195	315
90L	FF165	2.4.6	140	70	125	56	24	50	8	20	90	10	36	165	165	130	200	0	4-Φ12	3.5	180	195	160	195	340
100L	FF215	2.4.6	160	80	140	63	28	60	8	24	100	12	40	176	215	180	250	0	4-Φ14.5	4	205	215	180	245	380
112M	FF215	2.4.6	190	95	140	70	28	60	8	24	112	12	45	180	215	180	250	0	4-Φ14.5	4	245	240	190	365	400
132S	FF265	2.4.6.8	216	108	140	89	38	80	10	33	132	12	55	186	265	230	300	0	4-Φ14.5	4	280	275	210	315	475
132M	FF265	2.4.6.8	216	108	178	89	38	80	10	33	132	12	55	224	265	230	300	0	4-Φ14.5	4	280	275	210	315	515
160M	FF300	2.4.6.8	254	127	210	108	42	110	12	37	160	14.5	65	260	300	250	350	0	4-Φ18.5	5	330	355	265	385	605
160L	FF300	2.4.6.8	254	127	254	108	42	110	12	37	160	14.5	65	304	300	250	350	0	4-Φ18.5	5	330	355	265	385	650
180M	FF300	2.4.6.8	279	139.5	241	121	48	110	14	42.5	180	14.5	70	311	300	250	350	0	4-Φ18.5	5	355	380	285	430	670
180L	FF300	2.4.6.8	279	139.5	279	121	48	110	14	42.5	180	14.5	70	349	300	250	350	0	4-Φ18.5	5	355	380	285	430	710
200L	FF350	2.4.6.8	318	159	305	133	55	110	16	49	200	18.5	70	369	350	300	400	0	4-Φ18.5	5	395	420	315	475	775
225S	FF400	4.8	356	178	286	149	60	140	18	53	225	18.5	75	368	400	350	450	0	8-Φ18.5	5	435	475	345	530	820
225M	FF400	2	356	178	311	149	55	110	16	49	225	18.5	75	393	400	350	450	0	8-Φ18.5	5	435	475	345	530	815
225M	FF400	4.6.8	356	178	311	149	60	140	18	53	225	18.5	75	393	400	350	450	0	8-Φ18.5	5	435	475	345	530	845
250M	FF500	2	406	203	349	168	60	140	18	53	250	24	80	445	500	450	550	0	8-Φ18.5	5	490	515	385	575	930
250M	FF500	4.6.8	406	203	349	168	65	140	18	58	250	24	80	445	500	450	550	0	8-Φ18.5	5	490	515	385	575	930
280S	FF500	2	457	228.5	368	190	65	140	18	58	280	24	85	485	500	450	550	0	18-Φ8.5	5	550	585	410	640	1000
280S	FF500	4.6.8	457	228.5	368	190	75	140	20	67.5	280	24	85	485	500	450	550	0	8-Φ18.5	5	550	585	410	640	1000
280M	FF500	2	457	228.5	419	190	65	140	18	58	280	24	85	536	500	450	550	0	8-Φ18.5	5	550	585	410	640	1050
280M	FF500	4.6.8	457	228.5	419	190	75	140	20	67.5	280	24	85	536	500	450	550	0	8-Φ18.5	5	550	585	410	640	1050

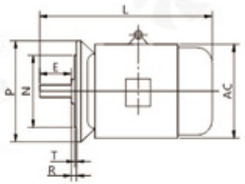
a. G = D – GE
b. Dimension P is a maximum limit value
d. R is the distance from the flange mating surface to the shaft extension shoulder

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https://www.longwellfans.com Email:sales@zjlongwell.com

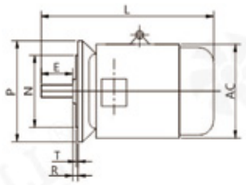
Outline and Mounting Dimensions of LWYD/LWYDT series Asynchronous Motor



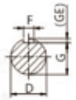
机座号80~90

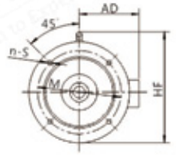


机座号100~132

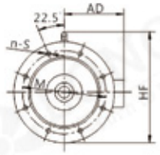


机座号160~280





机座号80~200



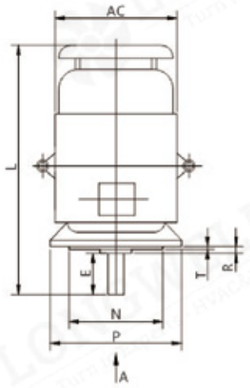
机座号225~280

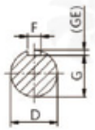
Electric motor with a footless frame and a flanged end shield (with through holes) unit: mm

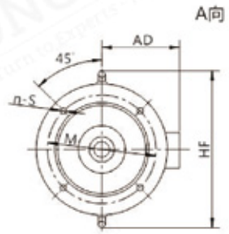
Frame	Flange Size	Poles	Mounting Dimension											Figure Size		
			D	E	F	G[a]	M	N	P[b]	R[c]	n-S	T	AC	AD	HF	L
80M	FF165	2.4	19	40	6	15.5	165	130	200	0	4-Φ12	3.5	175	150	185	290
90S	FF165	2.4.6	24	50	8	20	165	130	200	0	4-Φ12	3.5	195	160	195	315
90L	FF165	2.4.6	24	50	8	20	165	130	200	0	4-Φ12	3.5	195	160	195	340
100L	FF215	2.4.6	28	60	8	24	215	180	250	0	4-Φ14.5	4	215	180	245	380
112M	FF215	2.4.6	28	60	8	24	215	180	250	0	4-Φ14.5	4	240	190	265	400
132S	FF265	2.4.6.8	38	80	10	33	265	230	300	0	4-Φ14.5	4	275	210	315	475
132M	FF265	2.4.6.8	38	80	10	33	265	230	300	0	4-Φ14.5	4	275	210	315	515
160M	FF300	2.4.6.8	42	110	12	37	300	250	350	0	4-Φ18.5	5	335	265	385	605
160L	FF300	2.4.6.8	42	110	12	37	300	250	350	0	4-Φ18.5	5	335	265	385	650
180M	FF300	2.4.6.8	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	285	430	670
180L	FF300	2.4.6.8	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	285	430	710
200L	FF350	2.4.6.8	55	110	16	49	350	300	400	0	4-Φ18.5	5	420	315	480	775
225S	FF400	4.8	60	140	18	53	400	350	450	0	8-Φ18.5	5	475	345	535	820
225M	FF400	2	55	110	16	49	400	350	450	0	8-Φ18.5	5	475	345	535	815
225M	FF400	4.6.8	60	140	18	53	400	350	450	0	8-Φ18.5	5	475	345	535	845

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

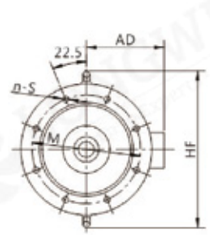
Outline and Mounting Dimensions of LWYD/LWYDT series Asynchronous Motor







机座号180~200



机座号225~280

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

Frame	Flange Size	Poles	Mounting Dimension										Figure Size			
			D	E	F	G[a]	M	N	P[b]	R[c]	n-S	T	AC	AD	HF	L
180M	FF300	2.4.6.8	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	285	500	730
180L	FF300	2.4.6.8	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	285	500	770
200L	FF350	2.4.6.8	55	110	16	49	350	300	400	0	4-Φ18.5	5	420	315	550	850
225S	FF400	4.8	60	140	18	53	400	350	450	0	4-Φ18.5	5	475	345	610	910
225M	FF400	2	55	110	16	49	400	350	450	0	4-Φ18.5	5	475	345	610	905
225M	FF400	4.6.8	60	140	18	53	400	350	450	0	4-Φ18.5	5	475	345	610	935
250M	FF500	2	60	140	18	53	500	450	550	0	4-Φ18.5	5	515	385	650	1035
250M	FF500	4.6.8	65	140	18	58	500	450	550	0	4-Φ18.5	5	515	385	650	1035
280S	FF500	2	65	140	18	58	500	450	550	0	4-Φ18.5	5	515	385	650	1035
280S	FF500	4.6.8	75	140	20	67.5	500	450	550	0	4-Φ18.5	5	580	410	720	1120
280M	FF500	2	65	140	18	58	500	450	550	0	4-Φ18.5	5	580	410	720	1170
280M	FF500	4.6.8	75	140	20	67.5	500	450	550	0	4-Φ18.5	5	580	410	720	1170

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