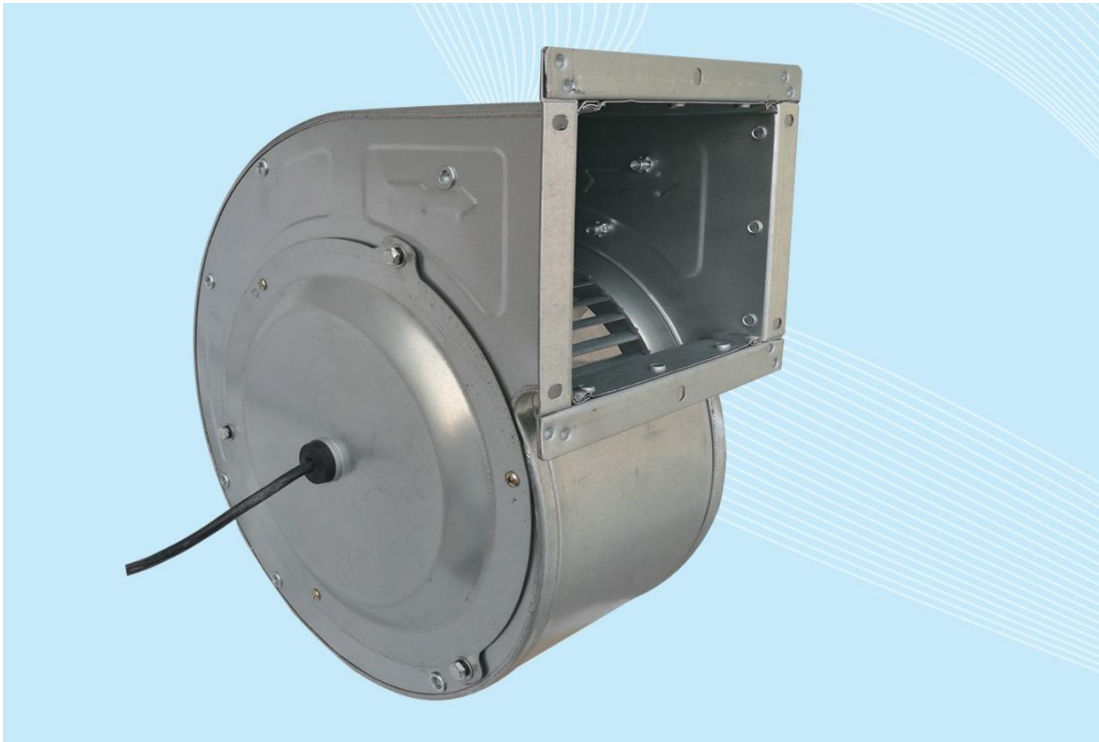


LKWD SERIES FORWARD-CURVED-BLADE SINGLE-INLET CENTRIFUGAL FAN WITH EXTERNAL ROTOR MOTOR



LKWD series forward-curved-blade single-inlet centrifugal fan with external rotor motor adopts a single air inlet structure, which is especially suitable for the working conditions of single air inlet, such as ceiling installation, wall installation or inside-box installation.

The **fluid model** of this series of fans has been optimized by **CFD** advanced technology, which not only increases the output pressure, but also reduces the noise and improves the efficiency. It has the characteristics of energy saving and low noise. It is especially suitable for **supporting various air conditioning, refrigeration, purification, fresh air units, air curtain machines** and other products, and has been widely used in hotels, hotels, schools, hospitals, factories, refrigerators, cinemas and other fields.

LKWD series of fans has the following remarkable advantages:

1. The external rotor motor is adopted, which is compact in structure, small in size, light in weight and easy to install;
2. The forward multi wing impeller with high pressure, low noise, high efficiency and low noise is adopted;
3. The **direction of the air outlet** can be specially customized, and the installation form is flexible and convenient;
4. Our **self-developed matching motors** have better reliability and service life than ordinary motors after with optimization of power;
5. Our fans can have **different power supplies**, such as single-phase, three-phase, DC power supply and others. Voltage and frequency can be as the needs of users from different countries;
6. Our fans can have **different speed modes**, such as single-speed, double-speed, three-speed and stepless speed regulation to meet the needs of users for air volume regulation.

Model Definition

Example: LKW 250 M 2- 4 C3 X

Model Number consists of seven parts.

Part 1: Model Code;

No. 1 L: centrifugal fan;

No.2 K: air ventilation;

No. 3 P: belt driven; W: external rotor motor drive; Z: shaft drive;

No. 4 None: single-case, double inlet; D: single-case, single-inlet; S: double-case, double-inlet; W: single-inlet without case; G: duct fan; H: back curved blade;

Part 2: wheel diameter code, unit is mm;

Part 3: case width code, up to 2 bits;

SS: tiny width; S: small width; M: medium width; L: large width;

Part 4: designing sequence codes in numbers;

Part 5: motor pole, EC means brushless DC motor;

code	2	4	6	4/6
meaning to	2-pole motor	4-pole motor	6-pole motor	4/6-pole double-speed motor
code	6/8	4/6/8	EC	
meaning to	6/8-pole double-speed	4/6/8-pole three-speed motor	BLDC motor	

Part 6: specific code for single-phase motor

code	none	C	C2	C3
meaning to	non-single-phase motor	single-phase single-speed motor	single-phase two-speed motor	single-phase three-speed motor

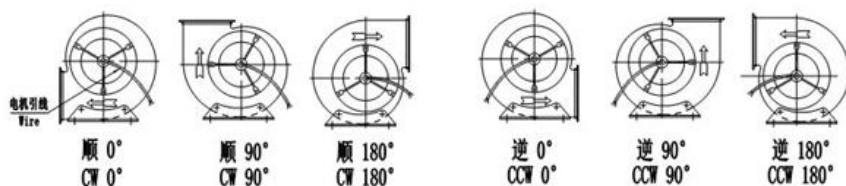
Part 7: motor installation types

code	meaning to
none	b3 motor; belt-drive rear installation or shaft-drive horizontal installation
l	b5 motor, shaft-drive vertical installation
x	b3 motor, belt-drive down installation
d	b3 motor, belt-drive top installation
e	b3 motor, belt-drive side installation

Such as LKWD250M – 4 is forward-curved-blade single-inlet centrifugal fan with external rotor motor, blade diameter 250mm with medium width, motor poles 4.

Installation Method

- 1) The **rotating direction** of centrifugal fan is divided into CW and CCW according to the rotating direction of impeller. To LKWD Centrifugal Fans: facing the motor's lead wire, the clockwise direction of impeller rotation is called CW, and the counter-clockwise direction of impeller rotation is called CCW.
- 2) Air outlet angle: the angle between the air outlet and the installation surface. LKWD series has three main types according to the **outlet angle**: 0 °, 90 °, 180 °. It can also be customized to other directions according to the needs of users.



Technical Parameters

Fan frame size	Rated performance			Volume Range (m ³ /h)	Voltage (V)	freq. (Hz)	Power (kW)	Current (A)	Weight (kg)
	Volume (m ³ /h)	Pressure (Pa)	Noise [dB(A)]						
1.Three-phase Single-speed									
LKWD200S-4	700	300	62	600~800	380	50	0.12	0.36	10
LKWD200M-4	900	300	63	800~1000	380	50	0.15	0.45	11
LKWD200L-4	1100	300	64	900~1200	380	50	0.18	0.53	12
LKWD200S-6	500	150	60	400~600	380	50	0.05	0.2	10
LKWD200M-6	700	150	61	600~800	380	50	0.06	0.25	11
LKWD200L-6	900	150	62	800~1000	380	50	0.08	0.32	12
LKWD225S-4	800	320	63	650~900	380	50	0.15	0.45	13
LKWD225M-4	1000	320	64	850~1100	380	50	0.18	0.53	14
LKWD225L-4	1200	320	65	1000~1300	380	50	0.22	0.60	15
LKWD225S-6	600	160	61	500~700	380	50	0.06	0.25	13
LKWD225M-6	800	160	62	650~900	380	50	0.08	0.32	14
LKWD225L-6	1000	160	63	850~1100	380	50	0.10	0.37	15
LKWD250S-4	1000	350	64	850~1100	380	50	0.18	0.53	15
LKWD250M-4	1300	350	65	110~1400	380	50	0.26	0.7	18
LKWD250L-4	1600	350	66	135~1800	380	50	0.32	1.0	22
LKWD250S-6	750	170	62	600~800	380	50	0.08	0.32	15
LKWD250M-6	900	170	63	750~1000	380	50	0.12	0.42	18
LKWD250L-6	1100	170	64	900~1200	380	50	0.16	0.59	22
LKWD250S2-4	1000	420	65	850~1100	380	50	0.22	0.6	15
LKWD250M2-4	1500	420	66	1250~1700	380	50	0.32	1.0	18
LKWD250L2-4	1800	420	67	1500~2000	380	50	0.45	1.2	22
LKWD250S2-6	750	210	63	600~800	380	50	0.12	0.42	15
LKWD250M2-6	1000	210	64	850~1100	380	50	0.16	0.59	18
LKWD250L2-6	1250	210	65	1050~1400	380	50	0.18	0.64	22
LKWD250S3-4	1000	500	66	850~1100	380	50	0.22	0.6	15
LKWD250M3-4	1500	500	67	1250~1700	380	50	0.32	1.0	18
LKWD250L3-4	1800	500	68	1500~2000	380	50	0.45	1.2	22
LKWD250S3-6	750	240	64	600~800	380	50	0.12	0.42	15
LKWD250M3-6	1000	240	65	850~1100	380	50	0.16	0.59	18

LKWD250L3-6	1250	240	66	1050~1400	380	50	0.18	0.64	22
LKWD280S-4	2000	500	68	1700~2200	380	50	0.55	1.46	20
LKWD280M-4	2500	500	69	2100~2800	380	50	0.65	1.7	22
LKWD280L-4	3000	500	70	2550~3300	380	50	0.75	1.8	24
LKWD280S-6	1500	320	65	1250~1700	380	50	0.30	0.95	20
LKWD280M-6	2000	320	66	1700~2200	380	50	0.36	1.1	22
LKWD280L-6	2500	320	67	2100~2800	380	50	0.42	1.23	24
LKWD300S-4	2200	550	71	1850~2400	380	50	0.65	1.7	22
LKWD300M-4	2500	550	72	2100~2800	380	50	0.75	1.8	25
LKWD300L-4	3000	550	73	2550~3300	380	50	0.90	2.0	28
LKWD300S-6	1500	380	66	1250~1700	380	50	0.36	1.1	21
LKWD300M-6	2000	380	67	1700~2200	380	50	0.50	1.36	23
LKWD300L-6	2500	380	68	2100~2800	380	50	0.55	1.47	25
LKWD315S-4	2500	580	73	2100~2800	380	50	0.75	1.8	24
LKWD315M-4	3000	580	74	2550~3300	380	50	1.1	2.4	30
LKWD315L-4	3500	580	75	2950~3900	380	50	1.37	3.0	33
LKWD315S-6	1500	420	67	1250~1700	380	50	0.36	1.1	22
LKWD315M-6	2000	420	68	1700~2200	380	50	0.50	1.36	25
LKWD315L-6	2500	420	69	2100~2800	380	50	0.70	1.85	28
LKWD355S-4	3000	800	76	2550~3300	380	50	1.2	2.6	32
LKWD355M-4	4000	800	77	3400~4400	380	50	1.5	3.3	38
LKWD355L-4	5000	800	78	4250~5500	380	50	2.2	4.6	45
LKWD355S-6	2000	500	69	1700~2200	380	50	0.55	1.36	30
LKWD355M-6	3000	500	70	2550~3300	380	50	0.75	2.0	35
LKWD355L-6	4000	500	71	3400~4400	380	50	1.1	2.8	42
LKWD400S-4	3500	900	77	2950~3900	380	50	1.65	3.5	36
LKWD400M-4	4500	900	78	3800~5000	380	50	2.2	4.7	42
LKWD400L-4	5500	900	79	4650~6100	380	50	2.5	5.2	47
LKWD400S-6	2500	600	73	2100~2800	380	50	0.9	2.2	35
LKWD400M-6	3000	600	74	2550~3300	380	50	1.1	2.6	40
LKWD400L-6	4000	600	75	3400~4400	380	50	1.3	3.0	45
LKWD450S-6	3500	800	73	2950~3900	380	50	1.5	3.5	55
LKWD450M-6	4500	800	74	3800~5000	380	50	2.0	4.5	60
LKWD450L-6	5500	800	75	4650~6100	380	50	2.2	5.0	65
2.Three-phase Double-speed									
LKWD200S-4/6	700	300	62	350 ~800	380	50	0.12	0.36	10
	450	135	60				0.05	0.20	
LKWD200M-4/6	900	300	63	500 ~1000	380	50	0.15	0.45	11
	600	135	61				0.06	0.25	
LKWD200L-4/6	1100	300	64	650 ~1200	380	50	0.18	0.53	12

	750	135	62				0.08	0.32	
LKWD225S-4/6	800 600	320 150	63 61	500~900	380	50	0.15 0.06	0.44 0.25	13
LKWD225M-4/6	1000 800	320 150	64 62	650~1100	380	50	0.18 0.08	0.53 0.32	14
LKWD225L-4/6	1200 1000	320 150	65 63	850~1300	380	50	0.22 0.10	0.60 0.37	15
LKWD250S-4/6	1000 750	350 180	64 62	600~1100	380	50	0.18 0.08	0.53 0.32	15
LKWD250M-4/6	1300 900	350 180	65 63	750~1400	380	50	0.26 0.12	0.7 0.42	18
LKWD250L-4/6	1600 1100	350 180	66 64	900~1800	380	50	0.32 0.16	1.0 0.59	22
LKWD250S2-4/6	1000 750	420 210	65 63	600~1100	380	50	0.22 0.12	0.6 0.42	15
LKWD250M2-4/6	1500 1000	420 210	66 64	850~1700	380	50	0.32 0.16	1.0 0.59	18
LKWD250L2-4/6	1800 1250	420 210	67 65	1050~2000	380	50	0.45 0.18	1.2 0.64	22
LKWD250S3-4/6	1000 750	500 240	66 64	600~1100	380	50	0.22 0.12	0.6 0.42	15
LKWD250M3-4/6	1500 1000	500 240	67 65	850~1700	380	50	0.32 0.16	1.0 0.59	18
LKWD250L3-4/6	1800 1250	500 240	68 66	1050~2000	380	50	0.45 0.18	1.2 0.64	22
LKWD280S-4/6	2000 1500	500 230	68 65	1250~2200	380	50	0.55 0.30	1.46 0.95	20
LKWD280M-4/6	2500 2000	500 230	69 66	1700~2800	380	50	0.65 0.36	1.7 1.1	22
LKWD280L-4/6	3000 2500	500 230	70 67	2100~3300	380	50	0.75 0.42	1.8 1.23	24
LKWD300S-4/6	2200 1500	550 260	71 66	1250~2400	380	50	0.65 0.36	1.7 1.1	22
LKWD300M-4/6	2500 2000	550 260	72 67	1700~2800	380	50	0.75 0.50	1.8 1.36	25
LKWD300L-4/6	3000 2500	550 260	73 68	2100~3300	380	50	0.90 0.55	2.0 1.47	28
LKWD315S-4/6	2500 1500	580 300	73 67	1250~2800	380	50	0.75 0.36	1.8 1.1	24
LKWD315M-4/6	3000 2000	580 300	74 68	1700~3300	380	50	1.1 0.50	2.4 1.36	30

LKWD315L-4/6	3500 2500	580 300	75 69	2100~3900	380	50	1.37 0.70	3.0 1.85	33
LKWD355S-4/6	3000 2000	800 400	76 69	1700~3300	380	50	1.2 0.55	2.6 1.36	32
LKWD355M-4/6	4000 3000	800 400	77 70	2550~4400	380	50	1.5 0.75	3.0 2.0	38
LKWD355L-4/6	5000 4000	800 400	78 71	3400~5500	380	50	2.2 1.1	4.6 2.8	45
LKWD400S-4/6	3500 2500	900 600	77 73	2100~3900	380	50	1.65 0.9	3.5 2.2	36
LKWD400M-4/6	4500 3000	900 600	78 74	2550~5000	380	50	2.2 1.1	4.7 2.6	42
LKWD400L-4/6	5500 4000	900 600	79 75	3400~6100	380	50	2.5 1.3	5.2 3.0	47
3.Three-phase Three-speed									
LKWD200S-4/6/8	700 450 350	300 135 75	62 60 58	250 ~800	380	50	0.12 0.05 0.02	0.36 0.20 0.10	12
LKWD200M-4/6/8	900 600 450	300 135 75	63 61 59	350 ~1000	380	50	0.15 0.06 0.03	0.45 0.25 0.12	13
LKWD200L-4/6/8	1100 750 550	300 135 75	64 62 60	450 ~1200	380	50	0.18 0.08 0.35	0.53 0.32 0.14	14
LKWD225S-4/6/8	800 600 400	320 150 80	63 61 59	300 ~900	380	50	0.15 0.06 0.03	0.45 0.25 0.12	15
LKWD225M-4/6/8	1000 800 500	320 150 80	64 62 60	400 ~100	380	50	0.18 0.08 0.035	0.53 0.32 0.14	16
LKWD225L-4/6/8	1200 1000 600	320 150 80	65 63 61	500 ~1300	380	50	0.22 0.10 0.04	0.62 0.45 0.20	17
LKWD250S-4/6/8	1000 750 500	350 160 80	64 62 60	400~1100	380	50	0.18 0.08 0.35	0.53 0.32 0.14	17
LKWD250M-4/6/8	1300 900 650	350 160 80	65 63 61	550 ~1400	380	50	0.26 0.12 0.05	0.8 0.59 0.26	20
LKWD250L-4/6/8	1600 1100	350 160	66 64	650 ~1800	380	50	0.30 0.14	0.85 0.60	24

	800	80	62				0.06	0.28	
LKWD250S2-4/6/8	1000	420	65	400 ~1100	380	50	0.22	0.62	17
	750	200	63				0.10	0.45	
	500	100	61				0.04	0.20	
LKWD250M2-4/6/8	1500	420	66	600 ~1700	380	50	0.30	0.85	20
	1000	200	64				0.14	0.60	
	750	100	62				0.06	0.28	
LKWD250L2-4/6/8	1800	420	67	750 ~2000	380	50	0.45	1.4	24
	1250	200	65				0.22	0.80	
	900	100	63				0.10	0.34	
LKWD250S3-4/6/8	1000	500	66	400 ~1100	380	50	0.22	0.62	17
	750	220	64				0.10	0.45	
	500	120	62				0.04	0.20	
LKWD250M3-4/6/8	1500	500	67	600 ~700	380	50	0.30	0.85	20
	1000	220	65				0.14	0.60	
	750	120	63				0.06	0.28	
LKWD250L3-4/6/8	1800	500	68	750 ~2000	380	50	0.45	1.4	24
	1250	220	66				0.22	0.80	
	900	120	64				0.10	0.34	
LKWD280S-4/6/8	2000	500	68	850 ~2200	380	50	0.55	1.50	22
	1500	230	65				0.27	0.85	
	1000	130	63				0.13	0.35	
LKWD280M-4/6/8	2500	500	69	1100~2800	380	50	0.65	1.90	24
	2000	230	66				0.32	0.93	
	1300	130	64				0.16	0.38	
LKWD280L-4/6/8	3000	500	70	1350~3300	380	50	0.90	2.40	26
	2500	230	67				0.42	1.30	
	1600	130	65				0.20	0.50	
LKWD300S-4/6/8	2200	550	71	900 ~2400	380	50	0.65	1.90	24
	1500	260	66				0.32	0.93	
	1100	140	64				0.16	0.38	
LKWD300M-4/6/8	2500	550	72	1100~2800	380	50	0.90	2.40	27
	2000	260	67				0.42	1.30	
	1300	140	65				0.20	0.50	
LKWD300L-4/6/8	3000	550	73	1350~3300	380	50	0.90	2.40	30
	2500	260	68				0.42	1.30	
	1600	140	66				0.20	0.50	
LKWD315S-4/6/8	2500	580	73	1000~2800	380	50	0.90	2.40	30
	1500	300	67				0.42	1.30	
	1200	150	64				0.20	0.50	
LKWD315M-4/6/8	3000	580	74	1250~3300	380	50	1.1	2.6	32

	2000 1500	300 150	68 65				0.50 0.24	1.45 0.70	
LKWD315L-4/6/8	3500 2500 1700	580 300 150	75 69 66	1400~3900	380	50	1.37 0.6 0.28	3.1 1.65 0.80	35
LKWD355S-4/6/8	3000 2000 1500	800 400 200	76 69 66	1250~3300	380	50	1.2 0.5 0.25	2.8 1.5 0.75	34
LKWD355M-4/6/8	4000 3000 2000	800 400 200	77 70 67	1700~4400	380	50	1.5 0.75 0.33	3.5 1.9 0.9	40
LKWD355L-4/6/8	5000 4000 2500	800 400 200	78 71 68	2100~5500	380	50	2.2 1.0 0.45	4.5 2.1 1.1	47
LKWD400S-4/6/8	3500 2500 1700	900 600 250	77 73 70	1400~3900	380	50	1.8 0.85 0.4	4.2 2.5 1.1	38
LKWD400M-4/6/8	4500 3000 2200	900 600 250	78 74 71	1850~5000	380	50	2.2 1.0 0.45	4.5 2.1 1.1	44
LKWD400L-4/6/8	5500 4000 2700	900 600 250	79 75 72	2250~6100	380	50	2.8 1.2 0.5	5.8 2.9 1.5	49
4. Single-phase Single-speed									
LKWD200S-4C	700	300	62	600~800	220	50	0.12	1.26	10
LKWD200M-4C	900	300	63	800~1000	220	50	0.15	1.46	11
LKWD200L-4C	1100	300	64	900~1200	220	50	0.18	1.66	12
LKWD200S-6C	500	150	60	400~600	220	50	0.05	0.50	10
LKWD200M-6C	700	150	61	600~800	220	50	0.06	0.70	11
LKWD200L-6C	900	150	62	800~1000	220	50	0.08	0.81	12
LKWD225S-4C	800	320	63	650~900	220	50	0.16	1.53	13
LKWD225M-4C	1000	320	64	850~1100	220	50	0.2	1.76	14
LKWD225L-4C	1200	320	65	1000~1300	220	50	0.25	2.2	15
LKWD225S-6C	600	160	61	500~700	220	50	0.08	0.81	13
LKWD225M-6C	800	160	62	650~900	220	50	0.08	0.81	14
LKWD225L-6C	1000	160	63	850~1100	220	50	0.10	0.96	15
LKWD250S-4C	1000	350	64	850~1100	220	50	0.2	1.76	15
LKWD250M-4C	1300	350	65	1100~1400	220	50	0.25	2.2	18
LKWD250L-4C	1600	350	66	1350~1800	220	50	0.37	2.9	22
LKWD250S-6C	750	170	62	600~800	220	50	0.08	0.81	15
LKWD250M-6C	900	170	63	750~1000	220	50	0.12	1.26	18

LKWD250L-6C	1100	170	64	900~1200	220	50	0.18	1.88	22
LKWD250S2-4C	1000	420	65	850~1100	220	50	0.25	2.2	15
LKWD250M2-4C	1500	420	66	1250~1700	220	50	0.37	2.9	18
LKWD250L2-4C	1800	420	67	1500~2000	220	50	0.45	3.2	22
LKWD250S2-6C	750	210	63	600~800	220	50	0.12	1.26	15
LKWD250M2-6C	1000	210	64	850~1100	220	50	0.16	1.53	18
LKWD250L2-6C	1250	210	65	1050~1400	220	50	0.18	1.88	22
LKWD250S3-4C	1000	500	66	850~1100	220	50	0.25	2.2	15
LKWD250M3-4C	1500	500	67	1250~1700	220	50	0.37	2.9	18
LKWD250L3-4C	1800	500	68	1500~2000	220	50	0.45	3.2	22
LKWD250S3-6C	750	240	64	600~800	220	50	0.12	1.26	15
LKWD250M3-6C	1000	240	65	850~1100	220	50	0.16	1.53	18
LKWD250L3-6C	1250	240	66	1050~1400	220	50	0.18	1.88	22
5. Single-phase Double-speed									
LKWD200S-4C2	700 450	300 135	62 60	350~800	220	50	0.12	1.26	10
LKWD200M-4C2	900 600	300 135	63 61	500~1000	220	50	0.15	1.46	11
LKWD200L-4C2	1100 750	300 135	64 62	650~1200	220	50	0.18	1.66	12
LKWD225S-4C2	800 600	320 150	63 61	500~900	220	50	0.16	1.53	13
LKWD225M-4C2	1000 800	320 150	64 62	650~1100	220	50	0.20	1.76	14
LKWD225L-4C2	1200 1000	320 150	65 63	850~1300	220	50	0.25	2.2	15
LKWD250S-4C2	1000 750	350 170	64 62	600~1100	220	50	0.20	1.76	15
LKWD250M-4C2	1300 900	350 170	65 63	750~1400	220	50	0.25	2.2	18
LKWD250L-4C2	1600 1100	350 170	66 64	900~1800	220	50	0.37	2.9	22
LKWD250S2-4C2	1000 750	420 210	65 63	600~1100	220	50	0.25	2.2	15
LKWD250M2-4C2	1500 1000	420 210	66 64	850~1700	220	50	0.37	2.9	18
LKWD250L2-4C2	1800 1250	420 210	67 65	1050~2000	220	50	0.45	3.2	22
LKWD250S3-4C2	1000 750	500 240	66 64	600~1100	220	50	0.25	2.2	15
LKWD250M3-4C2	1500	500	67	850~1700	220	50	0.37	2.9	18

	1000	240	65						
LKWD250L3-4C2	1800	500	68	1050~2000	220	50	0.45	3.2	22
	1250	240	66						
6.Single-phase Three-speed									
LKWD200S-4C3	700	300	62	250 ~800	220	50	0.12	1.26	10
	450	135	60						
	350	75	58						
LKWD200M-4C3	900	300	63	350 ~1000	220	50	0.15	1.46	11
	600	135	61						
	450	75	59						
LKWD200L-4C3	1100	300	64	450 ~1200	220	50	0.18	1.66	12
	750	135	62						
	550	75	60						
LKWD225S-4C3	800	320	63	300 ~900	220	50	0.16	1.53	13
	600	150	61						
	400	80	59						
LKWD225M-4C3	1000	320	64	400~1100	220	50	0.20	1.76	14
	800	150	62						
	500	80	60						
LKWD225L-4C3	1200	320	65	500 ~1300	220	50	0.25	2.2	15
	1000	150	63						
	600	80	61						
LKWD250S-4C3	1000	350	64	400 ~1100	220	50	0.20	1.76	15
	750	160	62						
	500	80	60						
LKWD250M-4C3	1300	350	65	550 ~ 1400	220	50	0.25	2.2	18
	900	160	63						
	650	80	61						
LKWD250L-4C3	1600	350	66	650~~1800	220	50	0.30	2.7	22
	1100	160	64						
	800	80	62						
LKWD250S2-4C3	1000	420	65	400 ~1100	220	50	0.25	2.2	15
	750	200	63						
	500	100	61						
LKWD250M2-4C3	1500	420	66	600~~1700	220	50	0.30	2.7	18
	1000	200	64						
	750	100	62						
LKWD250L2-4C3	1800	420	67	750 ~ 2000	220	50	0.45	3.2	22
	1250	200	65						
	900	100	63						
LKWD250S3-4C3	1000	500	66	400 ~1100	220	50	0.25	2.2	15



	750 500	220 120	64 62						
LKWD250M3-4C3	1500 1000 750	500 220 120	67 65 63	600~1700	220	50	0.30	2.7	18
LKWD250L3-4C3	1800 1250 900	500 220 120	68 66 64	750~2000	220	50	0.45	3.2	22

Work Environment

- 1) Altitude not more than 1000 meters;
- 2) The ambient temperature is not lower than - 25 °C, not higher than 40 °C;
- 3) The relative humidity of the environment shall not exceed 90%;
- 4) The conveying gas does not contain acid, alkaline and corrosive medium, and the dust content is not more than 150mg / m³.

When the working environment does not meet the above requirements, it needs to be explained when ordering. We can customize the product according to the specific site conditions.

Performance Range

Flow: 400~6100 m³/h

Total pressure:150~900 pa

Beyond this range, please choose other series of our fan products, or contact our technical department for customization.

Matters Needing Attention

1. Before use, please check carefully:

- (1) Whether the motor is intact;
- (2) Whether the connecting bolts are loose;
- (3) Whether there is serious deformation of fan volute, impeller, fan shaft and other components;
- (4) Rotate the fan impeller by hand, the hand induction rotation is stable, without obvious stuck phenomenon.

2. Installation

- (1) The grounding bolt of the fan shall be connected reliably;
- (2) It is strictly prohibited to use two speed or three speed fans in parallel on the electrical side. When using multiple fans, each fan must be controlled separately by an independent main circuit controller (contactor or frequency converter);
- (3) The fan shall be equipped with phase loss and overload protection devices;

3. Start up and Operation

- (1) Before starting the fan, check the working power supply, which must be within $\pm 5\%$ of the rated voltage and $\pm 1\%$ of the rated frequency;
- (2) The rotation direction of the fan impeller shall be the same as that of the turning mark;



- (3) The operating current of the fan shall not exceed the defined current, otherwise the motor will be damaged or burnt;
- (4) When the fan is running, it is strictly prohibited to extend the body or foreign matters to the inside of the fan, and it is strictly prohibited to approach the belt and pulley to avoid danger;
- (5) Before starting the single-phase fan, close the air valve of the outlet channel, otherwise it may be difficult to start;
- (6) High speed start shall be selected for two speed or three speed fans, and the fan shall be switched to a lower speed after normal operation.