LONGWELL®
Turn to Experts - HVAC&R

Industrial Ceiling Fan

Feature: High air volume,Energy saving,low consumption,Ulsed in many industrial sites.

Type Code

LW - EC CF - 7.3 - 05

- 05 — Series Number
- 7.3 — Diameter
- CF — Ceiling Fan
- EC — A-AC D-DC E-EC
- LW — LW-Longwell

Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

Industrial Ceiling Fan

Professional HVAC Fan &Motors Manufacturer

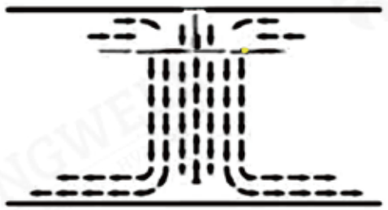


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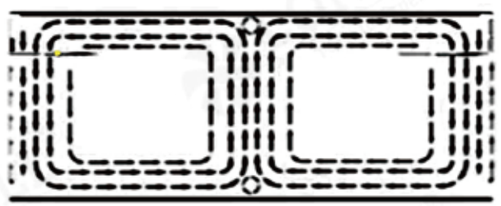
Industrial Energy Fan(Gear Motor)

- Applications:Widely used in industrial plants,factory floor,logistics,warehousing, Waiting rooms,exhibitio halls,stadiums,Chaodeng large space,As space ventilation, cooling staff preferred solution
- Wider adjustable speed range
- Reduce the intermittent feeling caused by blowing from far distance
- More effective(improve30%than similar products)
- Upgraded control system,more humanized operation More beautiful and elegant appearance
- New blade fixed technology,security level is higher
- New design of the fan blades
- The best fan blade width
- The latest fastening connection mode and the overall
- Performance is more outstanding

Operation principle and airflow of the large industrial fan



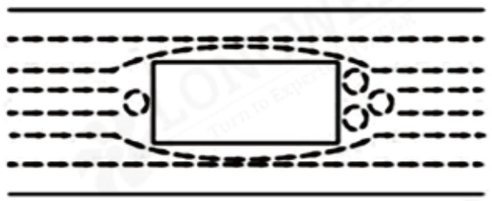
Open Space



Mamy Fans



Close Space



Through Obstacles

Airflow Diagram

Technical Specifications

Model	Diameter (mm)	Blade Number	Power (kw)	Speed (RPM)	Weight (kg)	Air Volume (m³/min)	Cover area (m²)
LW-ECCF-7.3-05	7300	10	1.50	55	165	18700	1150
LW-ECCF-7.3-06	7300	8	1.50	55	145	15000	900
LW-ECCF-7.3-07	7300	6	1.50	55	140	13500	850
LW-ECCF-7.3-08	7300	5	1.50	55	135	13000	800
LW-ECCF-6.7-01	6700	10	1.50	55	155	15600	960
LW-ECCF-6.7-02	6700	8	1.50	55	140	12500	770
LW-ECCF-6.7-03	6700	6	1.50	55	135	11000	670
LW-ECCF-6.7-04	6700	5	1.50	55	130	10600	650
LW-ECCF-6.1-01	6100	10	1.50	75	150	13000	800
LW-ECCF-6.1-02	6100	8	1.50	75	135	10500	650
LW-ECCF-6.1-03	6100	6	1.50	75	130	9000	550
LW-ECCF-6.1-04	6100	5	1.50	75	125	8800	520
LW-ECCF-5.5-05	5500	10	1.50	75	145	11000	670
LW-ECCF-5.5-06	5500	8	1.50	75	130	8800	540
LW-ECCF-5.5-07	5500	6	1.50	75	125	7500	460
LW-ECCF-5.5-08	5500	5	1.50	75	120	7200	420
LW-ECCF-4.9-01	4900	10	1.50	75	140	10500	600
LW-ECCF-4.9-02	4900	8	1.50	75	125	7000	430
LW-ECCF-4.9-03	4900	6	1.50	75	120	6000	370
LW-ECCF-4.9-04	4900	5	1.50	75	115	5200	330
LW-ECCF-4.5-04	4500	10	1.50	75	130	9500	500
LW-ECCF-4.5-05	4500	8	1.50	75	120	6000	370
LW-ECCF-4.5-06	4500	6	1.50	75	115	5000	300
LW-ECCF-4.5-07	4500	5	1.50	75	110	4500	260
LW-ECCF-4.2-01	4200	10	0.55	100	125	7200	400
LW-ECCF-4.2-02	4200	8	0.55	100	115	5400	300
LW-ECCF-4.2-03	4200	6	0.55	100	110	4500	250
LW-ECCF-4.2-04	4200	5	0.55	100	105	4000	230
LW-ECCF-3.6-01	3600	10	0.55	100	120	5000	330
LW-ECCF-3.6-02	3600	8	0.55	100	110	3800	230
LW-ECCF-3.6-03	3600	6	0.55	100	105	3300	200
LW-ECCF-3.6-04	3600	5	0.55	100	100	3000	180
LW-ECCF-3.0-02	3000	8	0.55	100	95	2700	160
LW-ECCF-3.0-03	3000	6	0.55	100	90	2300	140
LW-ECCF-3.0-04	3000	5	0.55	100	85	2000	120
LW-ECCF-2.5-01	2500	6	0.55	100	85	1600	90
LW-ECCF-2.5-02	2500	5	0.55	100	80	1400	85
LW-ECCF-2.0-01	2000	6	0.55	100	80	1000	60
LW-ECCF-2.0-02	2000	5	0.55	100	75	900	55

Power system



German Nord Gear Motor



Danfoss Frequency Converter

• Speed reducer-German Nord speed reducer,special for industrial energy-saving fans, Strong power,low noise,no maintenance,ensure long running without failure.

• Inverter-Danfoss inverter in Denmark,which meets all kinds of complex operating conditions(high temperature,dust,lampblack,long running,etc).

Blades and tail & Shaft sleeve system



Blade Picture



Tail Picture



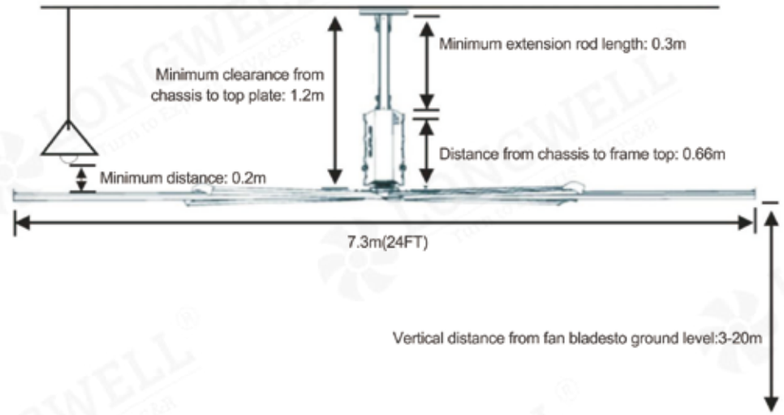
Shaft Sleeve

• After a scientific test,we used the wing shaped blade.It's perfectly aligned with the streamlined tail fin.The stability is better,the appearance is more beautiful,the air quantity is bigger,thewind feeling is more comfortable.

• Double row deep groove ball bearing is installed to reduce theload of reducer. Increase the stability of the main shaft,protectthe gear and oil seal of the gearbox, Greatly extend the servicelife of fans!

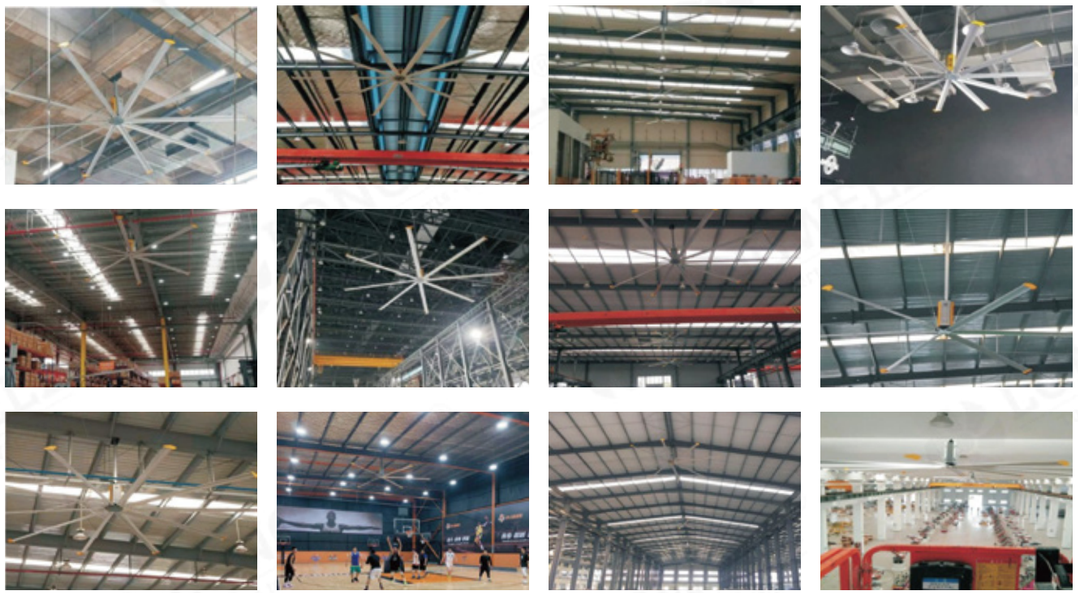
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Installation conditions



• Building structure:H steel,I-beam,steel square beam,spherical column and other structures.
• The total height of the building is more than 4.5 meters.
• The distance between fans and barriers is minimum 0.2 meters.
• Input power:380V/220V.

Installation of case



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Industrial Ceiling Fan

(Permanent Magnet Motor)

- High air volume, suitable for large spaces
- Maintenance-free and long-lasting
- Lightweight, compact, and flexible installation
- More refined appearance
- Application: Large industrial plant/Logistics warehousing/Agricultural farm Station/Airport /School/Stadium/Hotels/Large supermarkets/Large shopping malls



Technical Specifications

Model	Voltage (V)	Power (kW)	Diameter (m)	Max speed (RPM)	Air Flow (m^3/min)	Noise [dB(A)]	Fan number (PCS)	Fan width (cm)	Current (A)	Frequency (Hz)
LW-ECCF-7.3-03	220/380	1.6	7.3	57	15000	≤60	6	18.2	3.3	50/60
LW-ECCF-7.3-04	220/380	1.5	7.3	57	15000	≤60	5	18.2	3.3	50/60
LW-ECCF-6.5-01	220/380	1.5	6.5	60	14200	≤60	6	18.2	3.3	50/60
LW-ECCF-6.5-02	220/380	1.3	6.5	60	14200	≤60	5	18.2	3.3	50/60
LW-ECCF-6.0-03	220/380	1.3	6	65	13500	≤60	5/6	18.2	3.3	50/60
LW-ECCF-5.5-03	220/380	1.3	5.5	65	13500	≤60	5/6	18.2	3.3	50/60
LW-ECCF-5.5-04	220/380	0.75	5.5	70	6000	≤60	5/6	16	3.3	50/60
LW-ECCF-5.0-03	220/380	0.75	5	80	5500	≤60	5/6	16	3.3	50/60
LW-ECCF-4.5-03	220/380	0.75	4.5	90	5000	≤60	5/6	16	3.3	50/60
LW-ECCF-4.0-01	220	0.5	4	85	4000	≤60	5	16	3.3	50/60
LW-ECCF-3.5-01	220	0.5	3.5	90	4000	≤60	5	16	3.3	50/60
LW-ECCF-3.0-01	220	0.5	3	100	4000	≤60	5	16	3.3	50/60