

ECM(Q) Motors

Professional HVAC Fan & Motors Manufacturer



Type Code

LW - ECM 71 08 B S - 01

Series number

S-200-277VAC
U-100-130VAC
L-12V M-24V H-48V

A-Standard
B-CW&CCW
C-Reverse on Start
D-Dual Speed
E-Stepless Speed Version

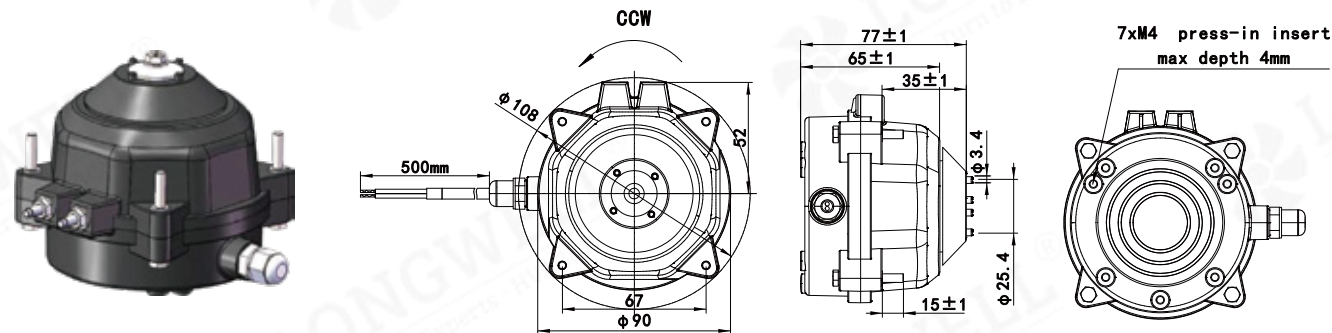
Thickness of Laminated Core

Diameter of Laminated Core

Fan Series Number

Longwell

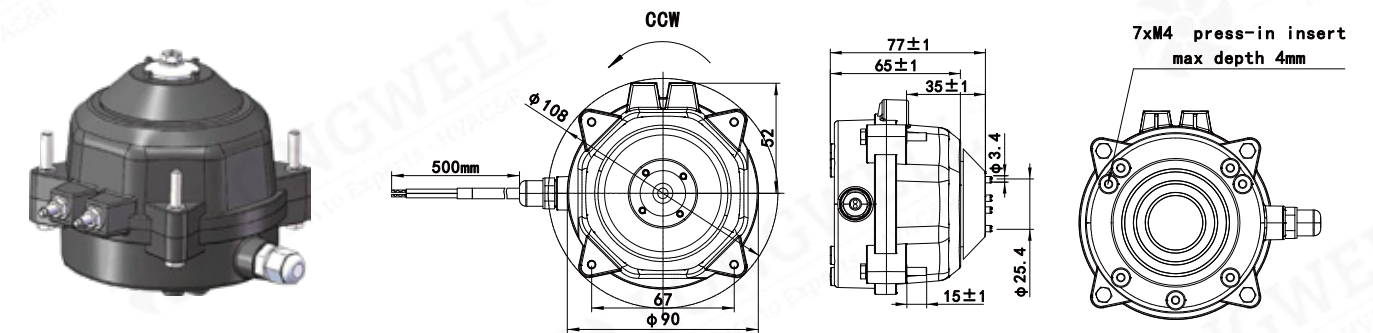
LW-ECM7108 Serie



Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7108SS-01	230mm 28°	300~2300	41.7	2.2	15	62%
Load/Speed		200mm Blade 28°C 34°C		230mm Blade 28°C 34°C		
1300RPM		√	√	√	×	
1500RPM		√	√	×	×	
1800RPM		√	×	×	×	

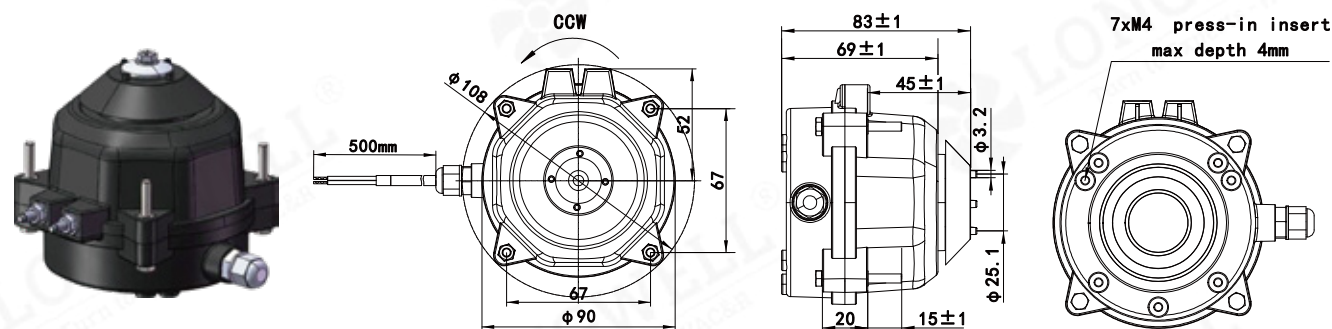
LW-ECM7108 Serie (High Efficiency)



Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7108SS-02	230mm 28°	300~2300	41.2	2	15	67%
Load/Speed		200mm Blade 28°C 34°C		230mm Blade 28°C 34°C		
1300RPM		√	√	√	×	
1500RPM		√	√	√	×	
1800RPM		√	×	×	×	

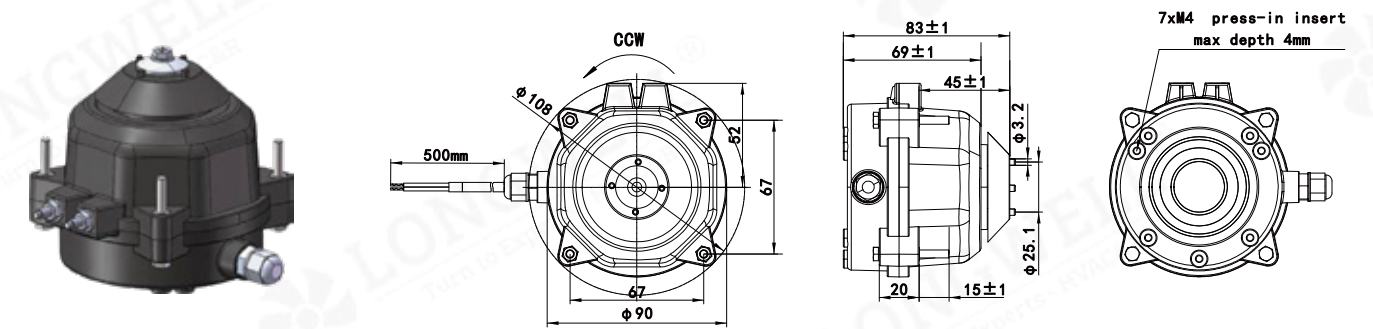
LW-ECM7112 Serie



Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7112SS-01	250mm 28°	300~2300	42.9	2.5	20	63%
Load/Speed		200mm Blade 28°C 34°C		230mm Blade 28°C 34°C		250mm Blade 28°C 34°C
1300RPM		√	√	√	√	×
1500RPM		√	√	√	×	×
1800RPM		√	×	×	×	×

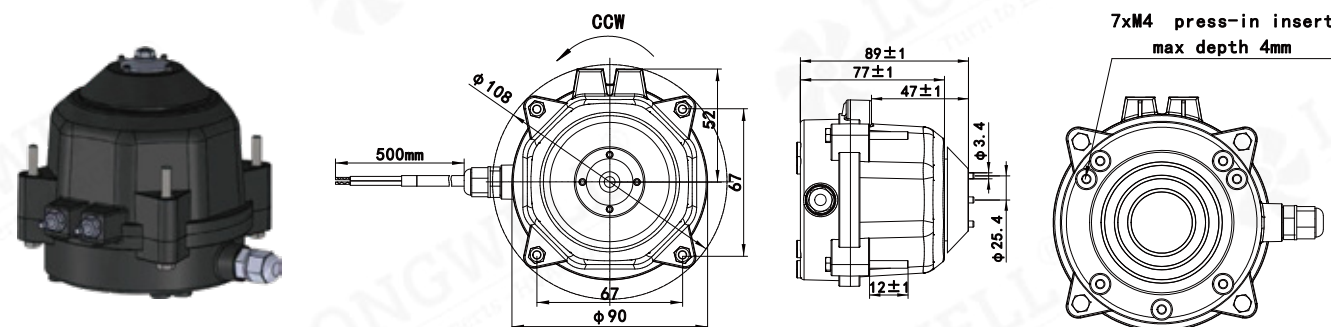
LW-ECM7112 Serie (High Efficiency)



Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7112SS-02	250mm 34°	300~2300	42.6	2.3	25	69%
Load/Speed		200mm Blade 28°C 34°C		230mm Blade 28°C 34°C		250mm Blade 28°C 34°C
1300RPM		√	√	√	√	√
1500RPM		√	√	√	√	×
1800RPM		√	√	√	×	×
2300RPM		√	×	×	×	×

LW-ECM7120 Serise

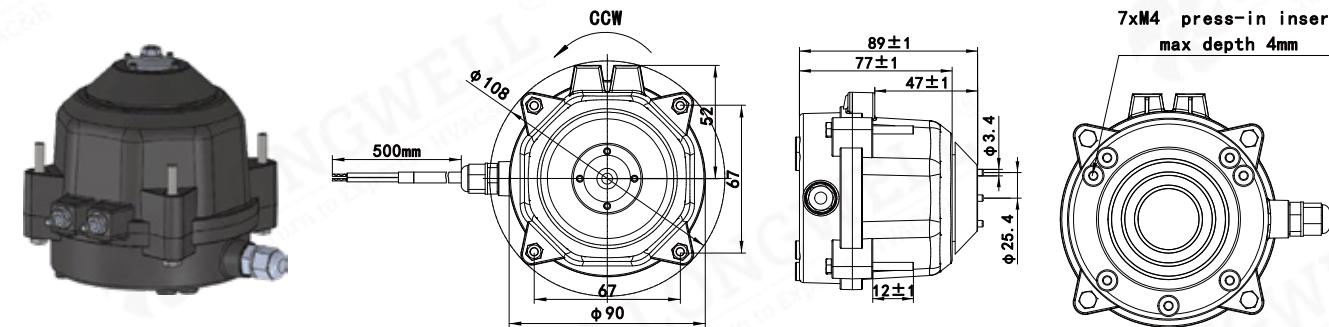


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7120SS-01	250mm 28°	300~2300	43.2	2.9	25	63%

Load/Speed	200mm Blade		230mm Blade		250mm Blade	
	28°C	34°C	28°C	34°C	28°C	34°C
1300RPM	√	√	√	√	√	×
1500RPM	√	√	√	×	×	×
1800RPM	√	×	×	×	×	×

LW-ECM7120 Serise (High Efficiency)

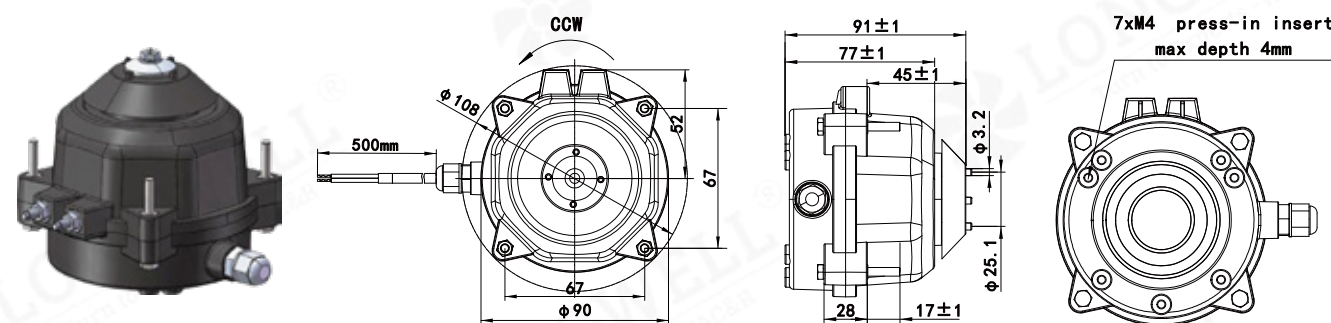


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7120SS-02	250mm 34°	300~2300	42.6	2.7	30	71%

Load/Speed	200mm Blade		230mm Blade		250mm Blade	
	28°C	34°C	28°C	34°C	28°C	34°C
1300RPM	√	√	√	√	√	√
1500RPM	√	√	√	√	√	√
1800RPM	√	√	√	×	×	×
2300RPM	√	×	×	×	×	×

LW-ECM7124 Serise

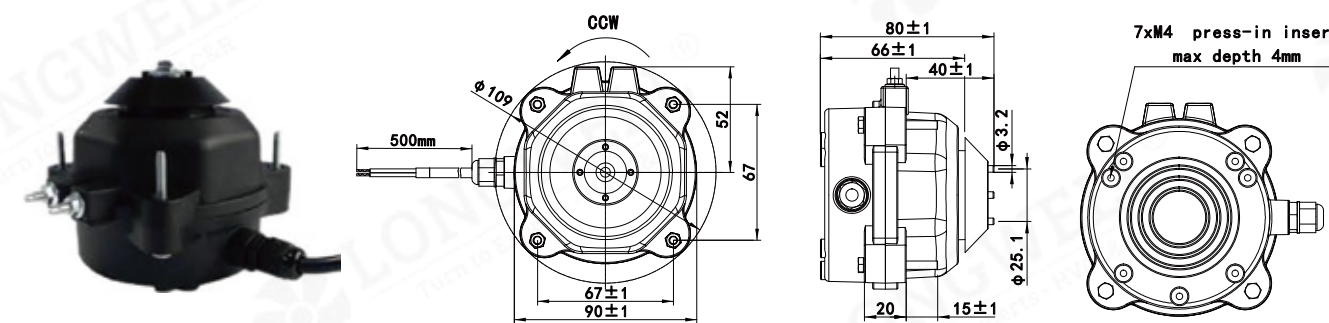


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM7124SS-02	300mm 34°	300~2300	44.1	2.8	35	75%

Load/Speed	200mm Blade		230mm Blade		250mm Blade		300mm Blade	
	28°C	34°C	28°C	34°C	28°C	34°C	28°C	34°C
1300RPM	√	√	√	√	√	√	√	√
1500RPM	√	√	√	√	√	√	√	×
1800RPM	√	√	√	√	×	×	×	×
2300RPM	√	√	√	×	×	×	×	×

LW-ECM6115 Serise

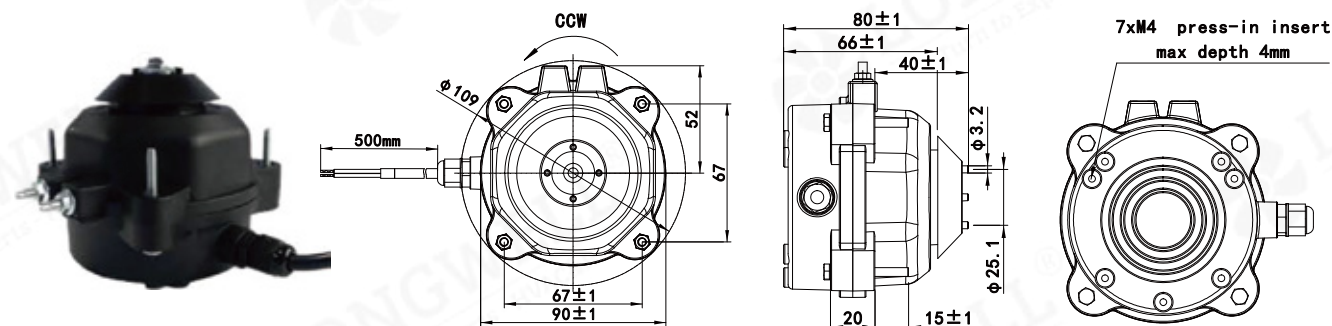


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM6115SR-01	300mm 28°	300~1800	39.8	1.2	30	70%

Load/Speed	200mm Blade		230mm Blade		250mm Blade		300mm Blade	
	28°C	34°C	28°C	34°C	28°C	34°C	22°C	34°C
1300RPM	√	√	√	√	√	√	√	√
1500RPM	√	√	√	√	√	√	√	×
1800RPM	√	√	√	×	×	×	×	×

LW-ECM6115 Serise (High Efficiency)

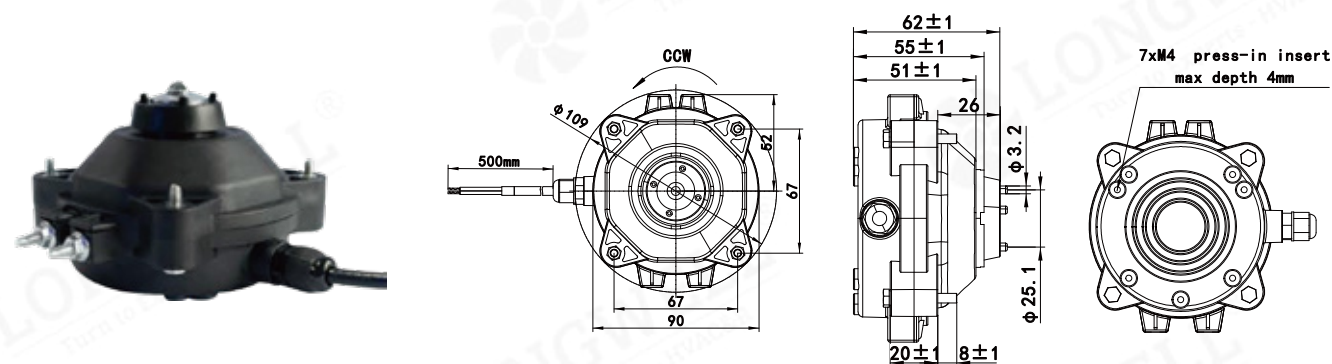


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM6115SR-02	300mm 34°	300~2300	39.8	1.2	35	73%

Load/Speed	200mm Blade 28°C	200mm Blade 34°C	230mm Blade 28°C	230mm Blade 34°C	250mm Blade 28°C	250mm Blade 34°C	300mm Blade 28°C	300mm Blade 34°C
1300RPM	√	√	√	√	√	√	√	√
1500RPM	√	√	√	√	√	√	√	×
1800RPM	√	√	√	√	×	×	×	×
2300RPM	√	√	√	×	×	×	×	×

LW-ECM4810 Serise (High Efficiency)

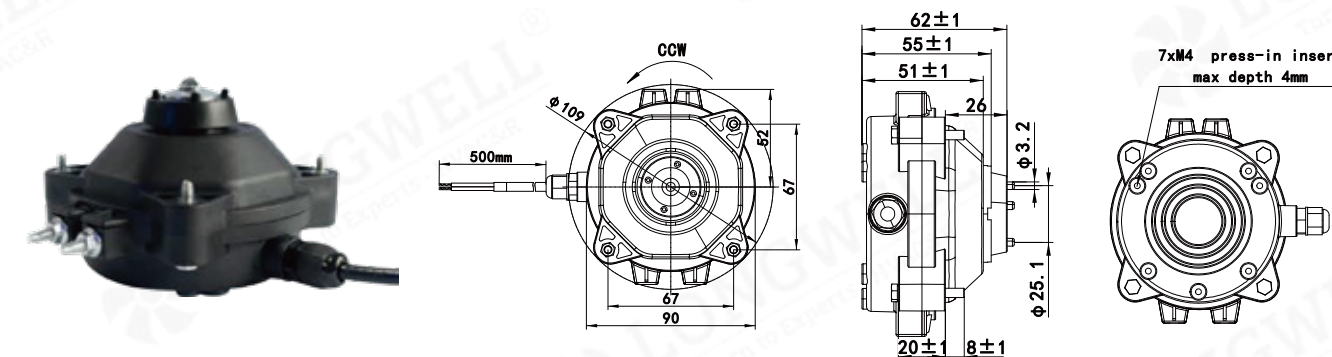


Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM4810SR-02	230mm 34°	300~1800	38.8	1.1	18	73%

Load/Speed	200mm Blade 28°C	200mm Blade 34°C	230mm Blade 28°C	230mm Blade 34°C
1300RPM	√	√	√	√
1500RPM	√	√	√	×
1800RPM	√	×	×	×

LW-ECM4810 Serise



Technical Specifications

Model	Load	Speed (RPM)	Minimum Noise [dB(A)]	Minimum Vibration(mm/s)	Maximum Power (W)	Maximum Efficiency
LW-ECM4810SR-01	230mm 28°	300~1800	38.8	1.1	15	70%

Load/Speed	200mm Blade 28°C	200mm Blade 34°C	230mm Blade 28°C	230mm Blade 34°C
1300RPM	√	√	√	×
1500RPM	√	√	√	×
1800RPM	√	×	×	×

Back side cover copper inserts



Seven copper inserts

Three copper inserts

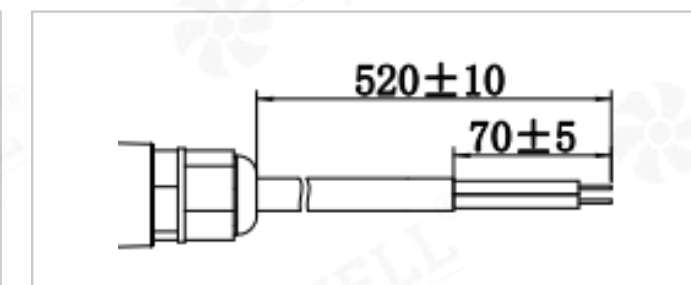
No copper inserts

Bracket screw distance



1.18mm 2.26mm 3.No need

Cable length and terminal



1.500mm Bare cable
2.Please specify cable length and terminal Part No