LONGWELL®
Turn to Experts - HVAC&R

DC/EC External Rotor Motors

Professional HVAC Fan &Motors Manufacturer



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

DC 37 Motor

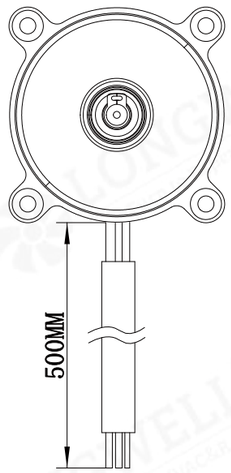


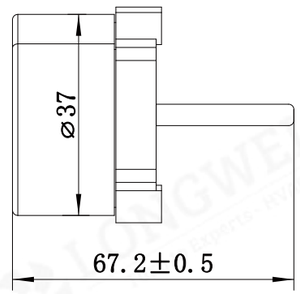
Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP42
- Insulation Class: B
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM037M-01	/	24	50/60	19.2	3000	0.8	-10℃～85℃
LW-DCM037L-02	/	12	50/60	9.6	3000	0.8	-10℃～85℃
LW-DCM037H-03	/	48	50/60	14.4	3000	0.3	-10℃～85℃





Outside length of shaft: Customization

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

DC 53 Motor

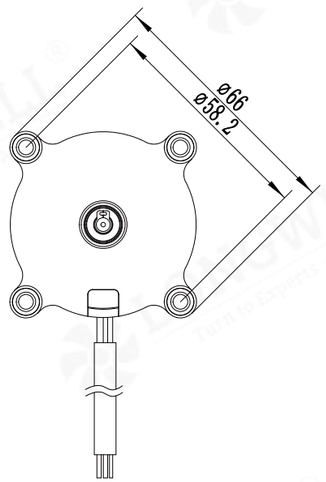


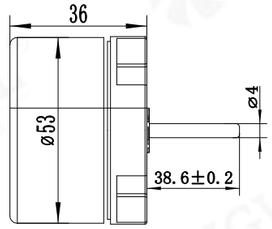
Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP42
- Insulation Class: B
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM053M-01	/	24	50/60	19.2	3000	0.8	-10℃～85℃
LW-DCM053L-02	/	12	50/60	9.6	3000	0.8	-10℃～85℃
LW-DCM053H-03	/	48	50/60	24	3000	0.5	-10℃～85℃





Outside length of shaft: Customization

DC 61 Motor

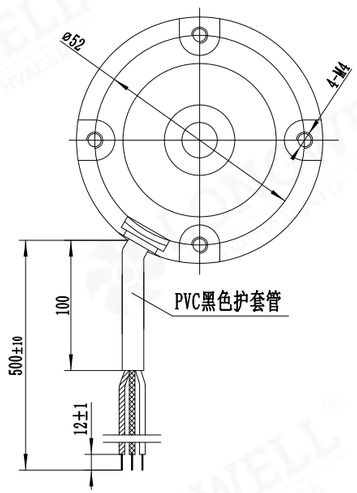


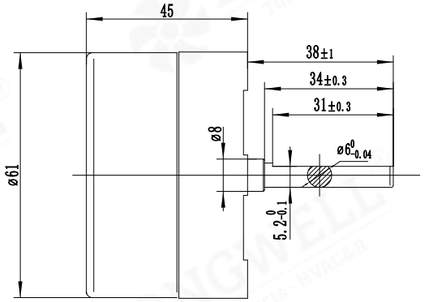
Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP42
- Insulation Class: B
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM061M-01	/	24	50/60	50	1600	2.2	-10℃～40℃





Outside length of shaft: Customization

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

DC 72 Motor

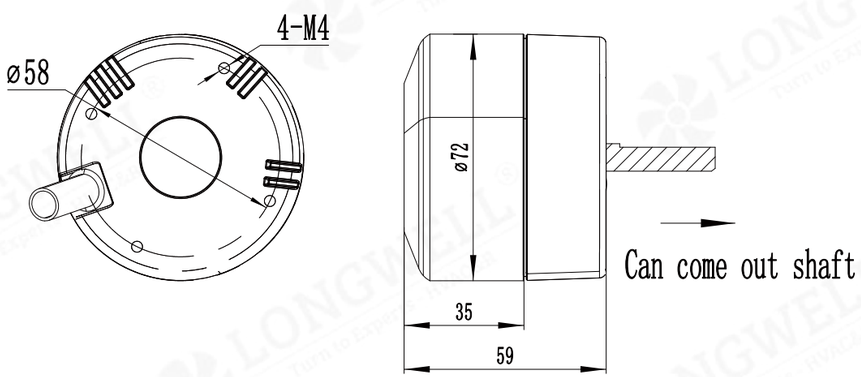


Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP44
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM072M-01	15	24	50/60	35	2200	2.3	-20℃～55℃
LW-DCM072H-02	15	48	50/60	70	4000	1.67	-20℃～55℃



Outside length of shaft: Customization

DC 92 Motor

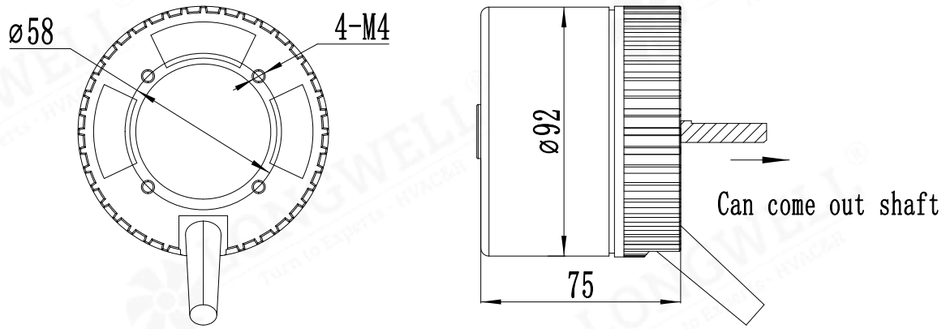


Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP44
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM092H-01	25	48	50/60	200	1150	16	-20℃～55℃



Outside length of shaft: Customization

DC 102 Motor

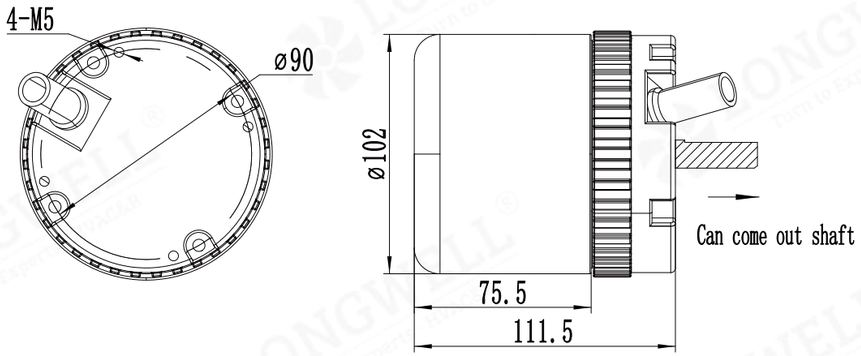


Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP54
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-DCM102H-01	40	48	50/60	320	2300	13	-20℃～55℃



Outside length of shaft: Customization

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

EC 72 Motor

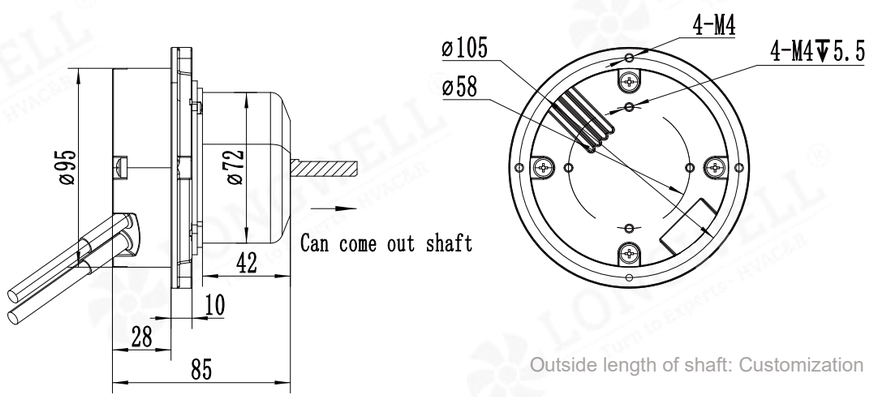


Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP44
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM072S-01	25	220	50/60	88	5200	0.5	-20℃～55℃



Outside length of shaft: Customization

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

EC 92 Motor

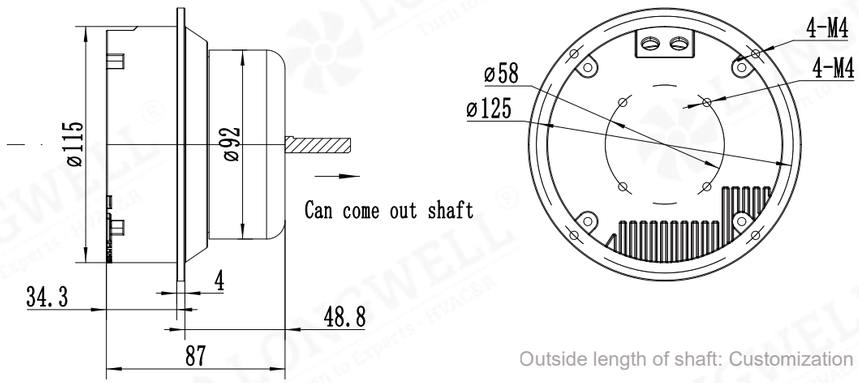


Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP44
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM092S-01	15	220	50/60	215	3050	1.6	-20℃～55℃



Outside length of shaft: Customization

EC 102 Motor

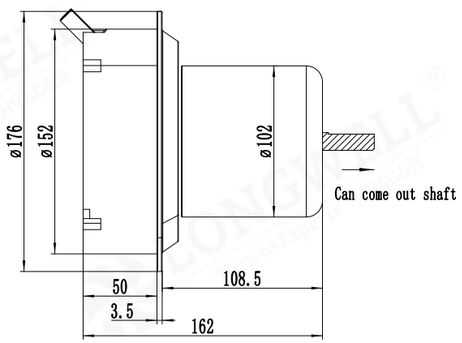


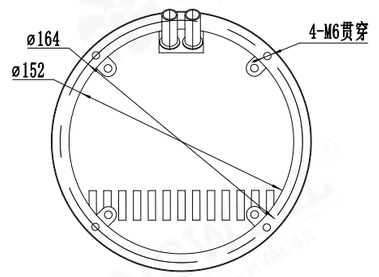
Product Characteristic

- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP54
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM102S-01	40	220	50/60	500	1520	3.6	-20℃～55℃





Outside length of shaft: Customization

EC 138 Motor

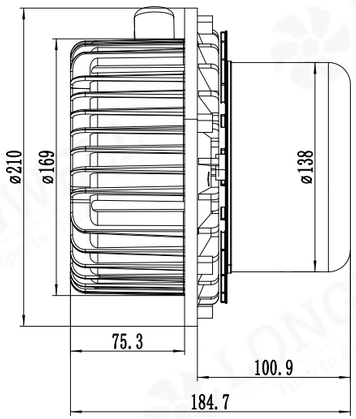
Product Characteristic

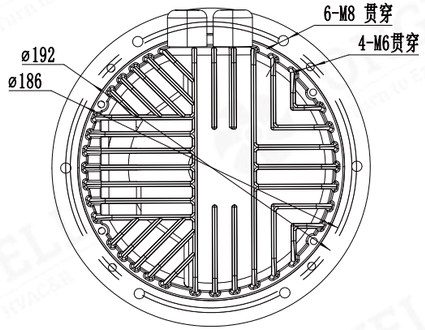


- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP54
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM138T-01	40	380	50/60	1350	1720	3.55	-20℃～55℃





Outside length of shaft: Customization

EC 188 Motor

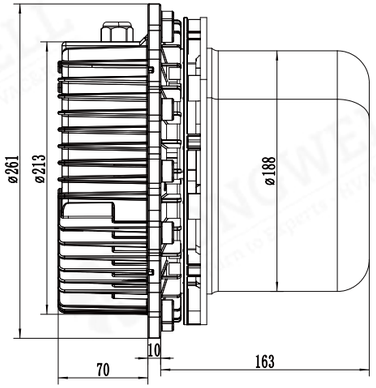
Product Characteristic

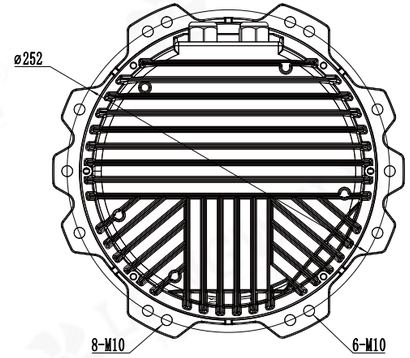


- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP54
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM188T-01	85	380	50/60	2830	1260	10.32	-20℃～55℃





Outside length of shaft: Customization

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

EC 188 Motor

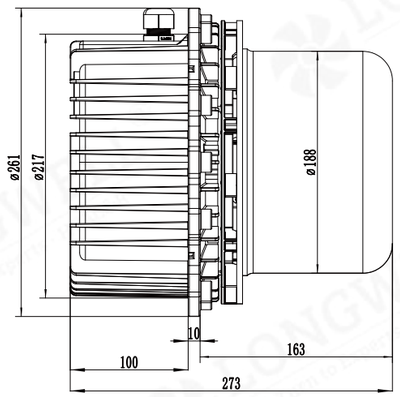
Product Characteristic

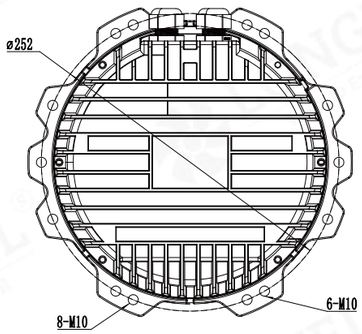


- Control Input: 0-10VDC/PWM
- Direction of Rotation: CW/CCW(viewed from rotor end)
- Protection Class: IP54
- Insulation Class: F
- Mode Of Operation: S1
- Bearings: Maintenance-free ball bearings
- Technical Feature: Thermal protection,Soft start protection,Blocking protection

Technical Specifications

Model	Stack Thickness	Voltage (V)	Frequency (Hz)	Power (W)	Speed (RPM)	Current (A)	Temperature
LW-ECM188T-02	85	380	50/60	3800	1380	10.32	-20℃～55℃





Outside length of shaft: Customization