

Condenser Cooling Fans

(Axial flow) - DC brushless Motor

LWCC-DC300MB-01

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Model No.:	LWCC-DC300MB-01
Version Number:	A0
Make :	YE
Review :	ZHANG
Approvd :	GUO
Date:	20260819

技术专用
朗伟电器

Version number	Notes Remarks	Reason content	Revised by	Date

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Nominal Data

Project1	Unit	Rating
Nominal Voltage :	[VDC]	26
Voltage Range :	[VDC]	16~32
Rated Speed :	[rpm]	2980
Motor power :	[W]	338
Air flow :	[m3/h]	2936
	[CFM]	1727
Noise level (LpA) :	dB(A)	76
Max.ambient Temp :	℃	85
Min.ambient Temp :	℃	-40
Storing temperature :	℃	-40~85
Work system :		S1
Type:		/
Protection Type :		IP68
Life Expectance :		40,000Hours(L10)
Weight	kg	2.2
Maximum speed time from 0 rpm	S	20

Technical Features

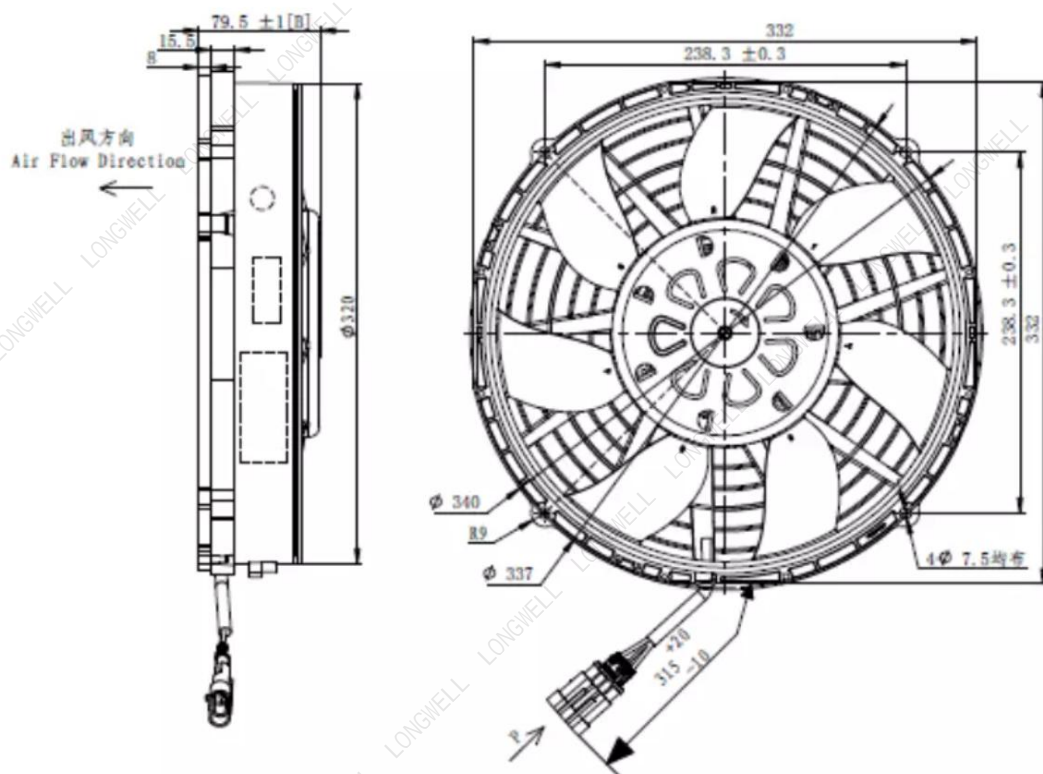
Production Reference standard	1.72/245/EC and Updates - Motor Vehicle Electromagnetic Compatibility Directive 2. ECE Regulation 10-03 and its updates – Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility 3. 2002/95/EC RoHS – Directive on the Restriction of Hazardous Substances 4. 2000/53/EC and subsequent amendments – Directive on End-of-Life Vehicles 5. According to ISO8820 Part 3, the prescribed fuse must be used in the wiring.
Maximum power stripe allowed Wave coefficient	1% - For special needs, please contact WL

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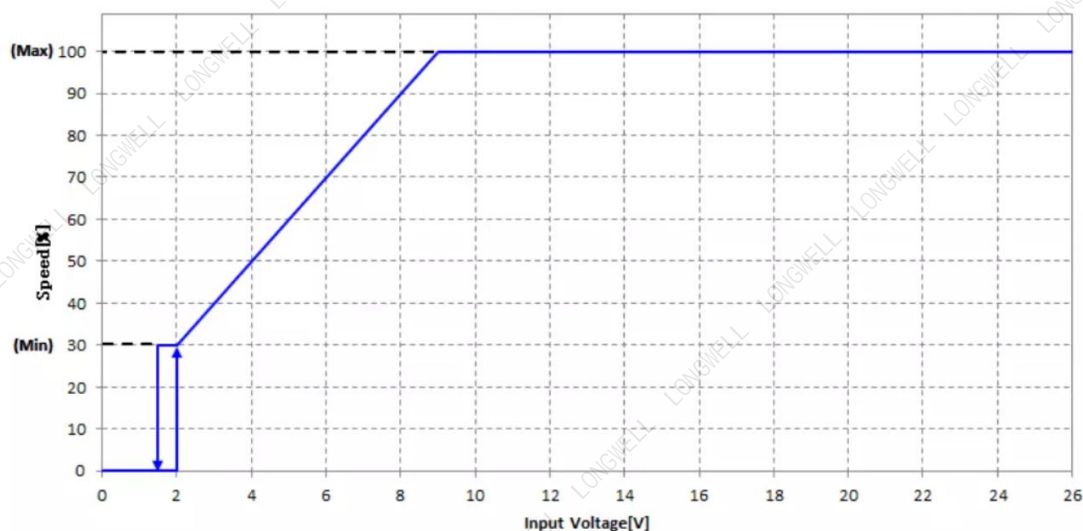
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Product Drawing



PWM running logic

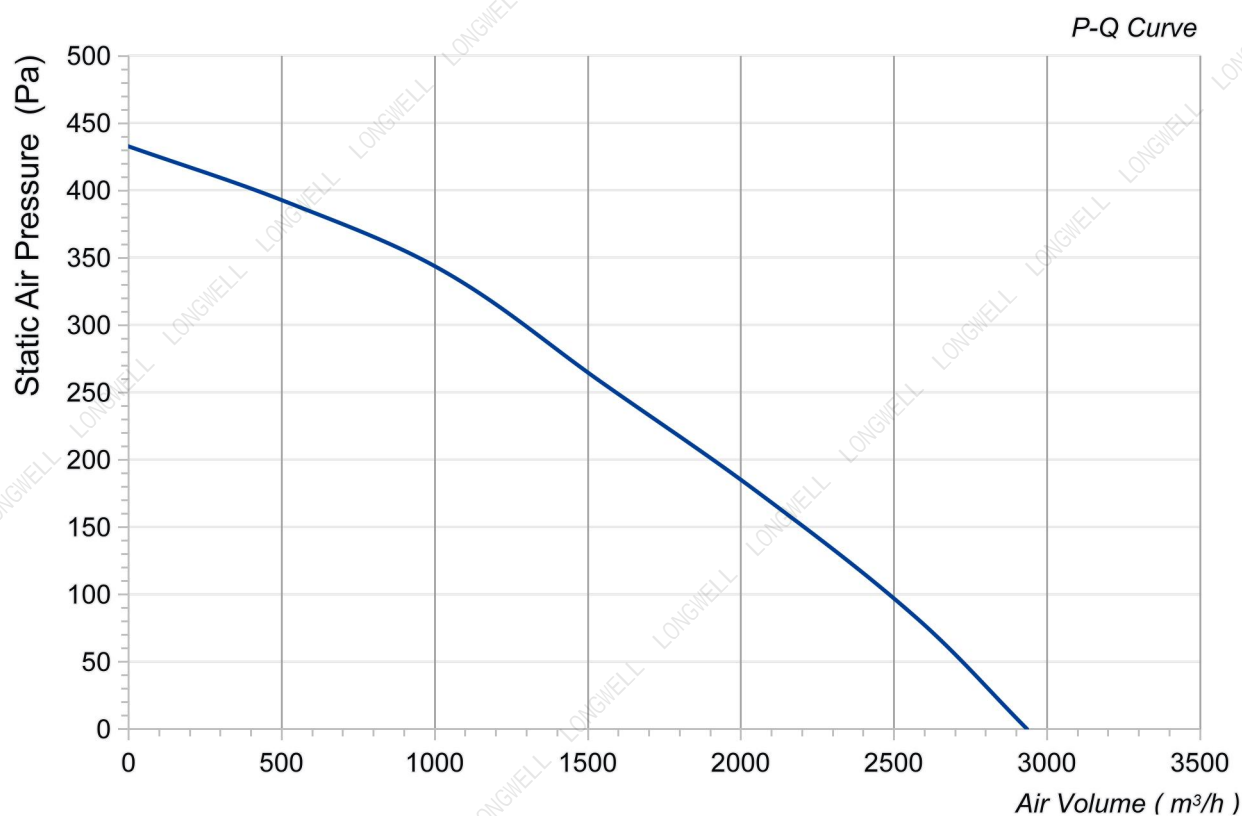


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Charts : P-Q Curve -48VDC

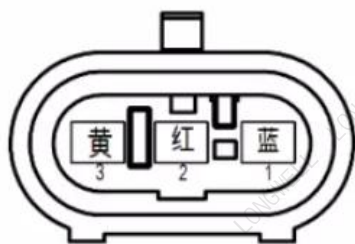


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Wiring Diagram



P 2: 1

Label

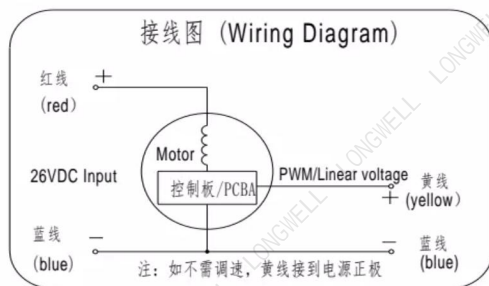
Confirm by sales team when placing sample order or bulk order

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Hardware functional



RED = UN(+)

BLUE = GND(-)

YELLOW = PWM/Linear voltage

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Warning:

- 1.The fan and motor must be used within the prescribed scope of temperature and humidity otherwise it will cause an unexpected damage.
2. Fan is not set wrong connection protection, Provide the right voltage and line sequence according to the nameplate otherwise it will damage the product.
3. Wiring depends on the wiring diagram and please connect the earth ground if required. We don't suggest to use the extension cord .Any wrong connection may cause the damage of the fan.
4. Be careful when moving the fan and do not take the blades as a handle because it will cause the distortion and chatter.
5. Connect the thermostat if required otherwise it would damage the motor because of the over temperature.
6. The length of the mounting screws shall not exceed the requirement, otherwise the fan will be damaged.
7. Do not disassemble the fan arbitrarily. It may hurt the capacity of water tightness and dynamic balance or cause other serious problems.
8. The over current protector is necessary in case the damage from the over current.
9. Install the fan as required, any other installing direction would affect the service life of the product.
10. The fan with inlet ring should be installed follow the requirements or it will affect the performance.
11. Users should use the standard cable when install the fan otherwise it will affect the water tightness.
12. The fan should keep away from the children especially the blade and electric parts .And the children are not allowed to operate the fan alone.
13. Do not connect the white signal cable directly to the red signal cable or the external DC power supply. Otherwise, the fan may be damaged.
- 14.Please do not perform extraction and insertion of the connector under revolution irrespective of power on and power on and power off , and the fan should not touch or move when running.
15. Do not lift the fan wire when taking the fan, and do not impact the bearing during the handling process.
16. The version change may not be notified, please ask our company for the latest version when necessary.
- 17.Please be informed that we are not responsible for any damage or accidents caused by violating above rules to install and operate the fan.

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Approval

CUSTOMER APPROVAL

CUSTOMER SIGNATURE:

DATE :

Product Data Confirm :