Condenser Cooling Fans

(Axial flow) - DC brushless Motor

LWCC-DC385MS-09

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Model No.:	LWCC-DC385MS-09
Version Number:	A0
Make :	HE
Review :	Zhong
Approvd :	Yao
Date:	20240920

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]	24
Voltage Range :	[VDC]	16~32 （Start-up voltage:16V ）
Rated Speed :	[rpm]	2600
Rated Current :	[A]	≤13.5
Motor power :	[W]	324
Air flow (Tested at DC24V,0Pa) :	[m3/h]	3400
	[CFM]	2000
Noise level (LpA):	dB(A)	75
Max.ambient Temp :	℃	85
Min.ambient Temp :	℃	-40
Work system :		S1
Type:		Suction
Protection Type :		IP68

Technical Features

Production Reference standard	GB12350《Safety requirements of small power motors》 JB/T10562 《 Technical specification for general purposes axial fans》 EN60335-1《Household and similar electrical appliances-safety》 ISO5801-1997《Industrial fans-performance testing using standardized airways》 GB/T2888《Methods of Noise Measurement for Fans Blowers Compressors and Roots Blowers》
Certification	CE

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Technical Features

Service environment	Operating temperature：-40 ~ 85℃；Operating humidity：5 ~ 90 % RH Storing temperature：-40 ~ 85℃；Storing humidity：≤95 % RH Applicable altitude range：＜1000m
Life Expectance	≥25,000Hours(L10)，At 40℃ room, humidity 15%~65%RH.
Balancing	The unbalanced amount of wind maneuver should be controlled at 30g.mm
Speed Control	Control input PWM
PWM Control	PWM signal: frequency 50Hz ~ 1000KHz, duty cycle 0% ~ 100% .
Protection	Current limiting protection 、Over-temperature protection、Over-current protection Locked-rotor protection
Weight	/

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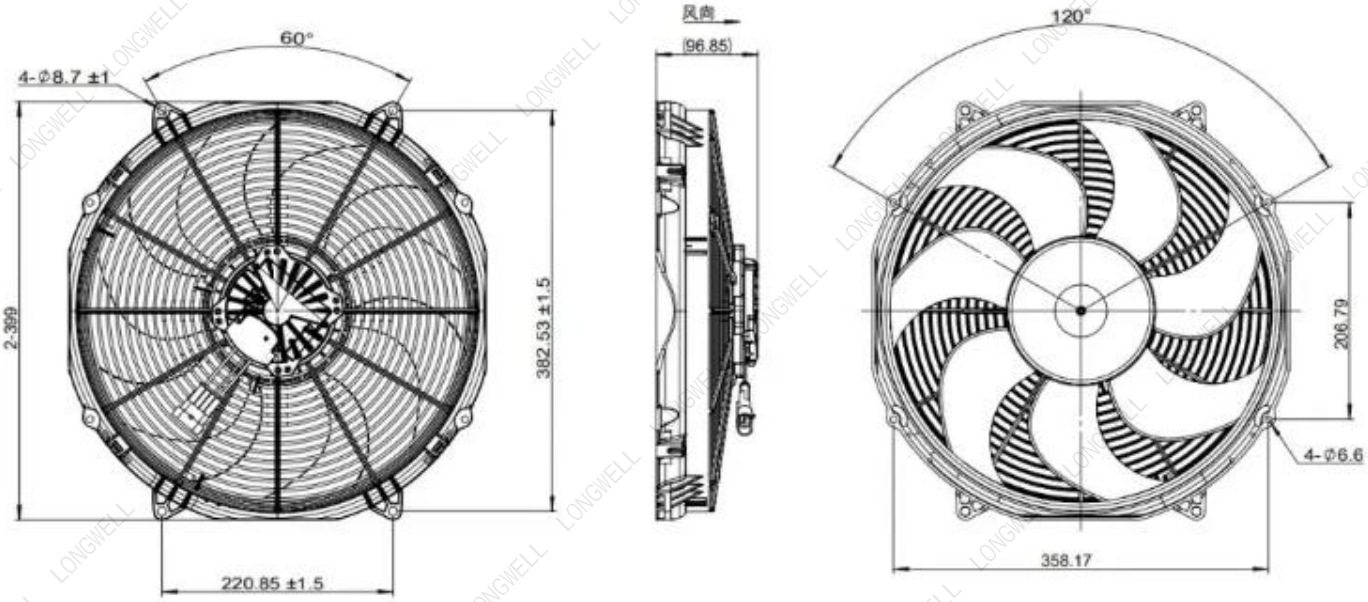
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Product Drawing



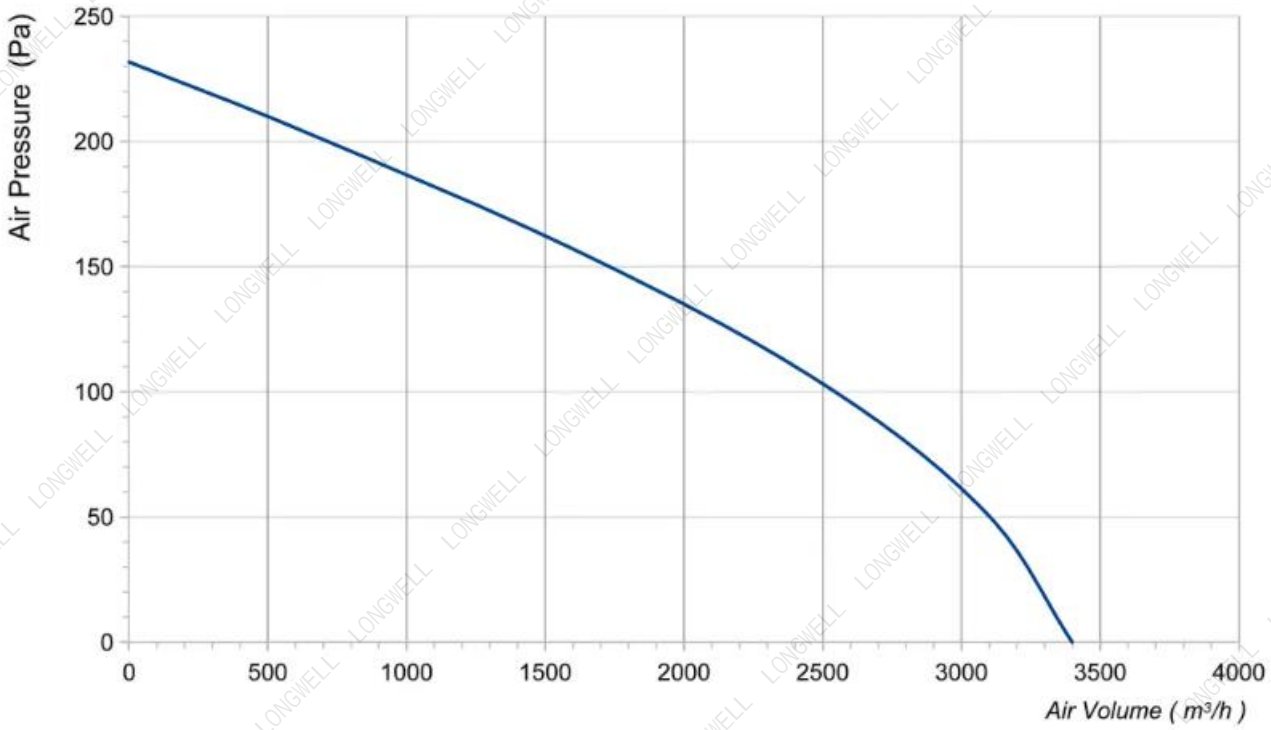
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Charts : P-Q Curve



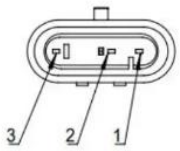
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Wiring Diagram



接插件连接器：超级密封圈1.5序列，编号282105-1			
序号	1	2	3
功能	-	+	PWM&E
说明	电源负极	电源正极	信号
颜色	黑	红	白
截面积	2.0	2.0	0.75
防水塞料号	281934-2	281934-2	281934-2
端子料号	282109	282109	282109
母接插件型号	282110-1		
母端子型号	282087-1		

Label

Confirm by sales team when placing sample order or bulk order

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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.T

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 :

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