

产 品 规 格 书
Product Specification

名 称 (Part Name): 后倾式离心风机 Backward curved centrifugal fan

型 号 (Model No.): R45137E-38W-B7T

顾客代码 (Customer Code): D000

版 次 (VERSION No.): A/0

编 制 (Prepared): _____

校 对 (Checked): _____

审 核 (Reviewed): _____

批 准 (Approved): _____

客户确认 (Customer's Approval): _____

日 期 (Date): _____

换版记录 Description of Revision

版本号 Version No.	换版原因 Notes & Remarks	换版内容 Reason Content	修订人 Revised by	日期 Date
A/0	/	/	王必良	2017-03-24

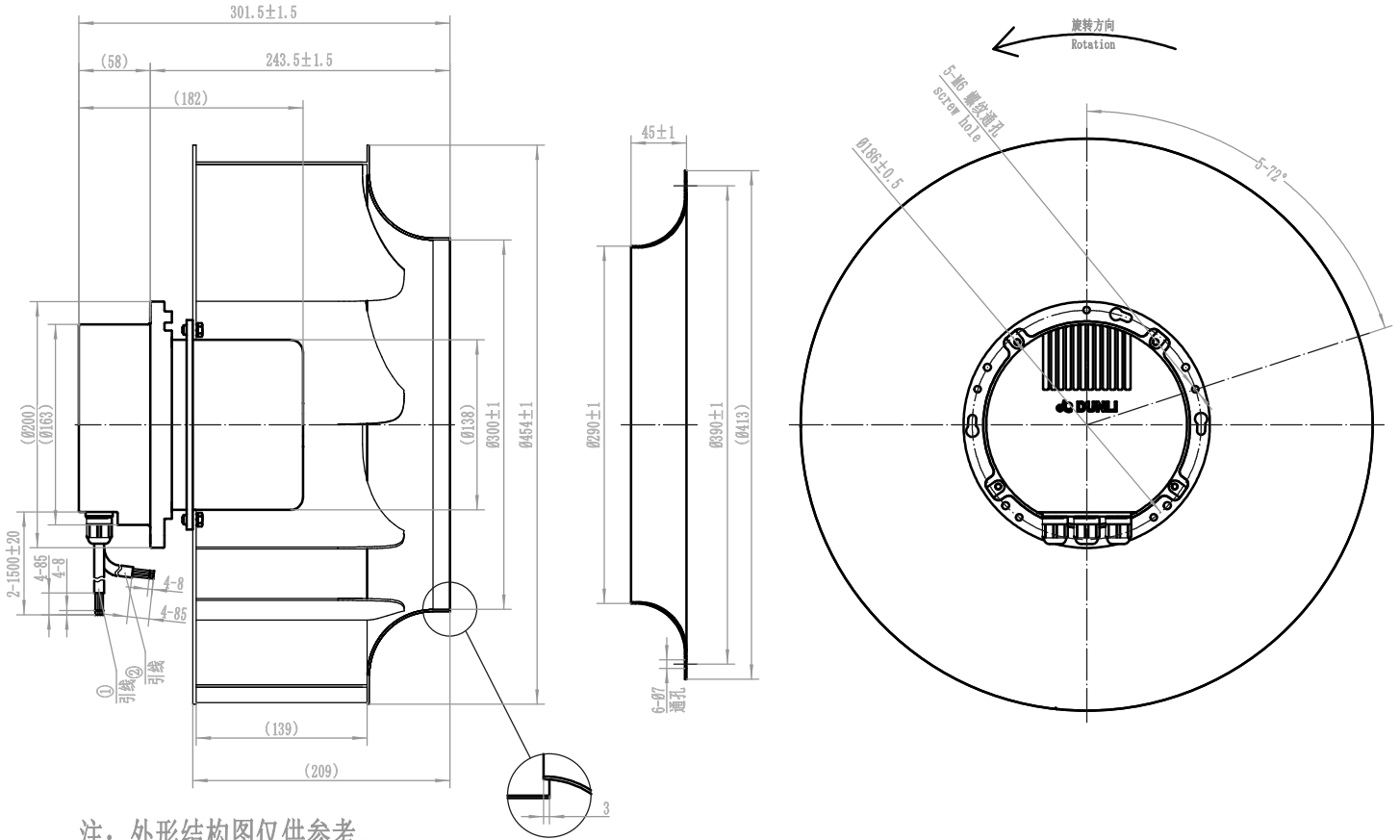
标称数据Nominal Data

风机型号Fan Model Number	EC137-B450-001		
电动机型号Motor Model Number	/		
相数Phase Number		1~	
运行电压Nominal Voltage	V. AC	380	
运行电压范围Nominal Voltage Range	V. AC	380~480	
频率Frequency	Hz	50/60	
转速Speed	r/min	1560	±10%
消耗功率Power Consumption	W	1000	±16%
运行电流Current Draw	A	2.0	±16%
最低环境温度Min. Ambient Temperature	℃	-20	
最高环境温度Max. Ambient Temperature	℃	+60	

技术特性Technical Feature

重量Weight	11.5kg		
转向Rotation Direction	顺时针, 转子端看Clockwise, viewed toward rotor		
防护等级Level of protection	IP44		
绝缘等级Insulation class	B		
泄漏电流 Leakage current	According to GB 12350		
噪声 Noise	≤75 dB (A)		
不平衡量Unbalance	ISO1940-1 G6.3 Standard		
引线引拔强度Lead Wire Pulled Strength	≥20N/根		
相对湿度范围RH Range	5~90 % (要求环境无凝霜或结露 No Rime or Condensation with the Ambient.)		
大气压强范围Atmospheric Pressure Range	86~106 kPa		
最高环境温度Max. Ambient Temperature (运输/存储Transport/Storage)	+65 ℃		
最低环境温度Min. Ambient Temperature (运输/存储Transport/Storage)	-25 ℃		
工作模式Duty Type	S1		
控制方式Control Methods	0-10V V.DC / PWM		
输出电源Power Output	+10V V.DC		
输出信号Tach Output	12 Pulse/R占空比30%~70%须在10V.DC端与TACH OUTPUT端之间连接10k上拉电阻DUTY 30% TO 70% IT NEEDS 10KΩ PULL-UP RESISTANCE BETWEEN +10V LINE AND TACH OUTPUT LINE		
寿命 Life	≥20000 hr(轴承温度40℃以下连续运行。)		
保护模式Protection Function	过温/过流/堵转保护/欠电压/过电压/Over-temperature/Over-current/Locket-rotor Protection/Lack-voltage Protection/Over-voltage Protection		
电磁兼容EMC	\		
认证Approval	CE, CCC		

产品外形图 Product Drawing



注：外形结构图仅供参考。

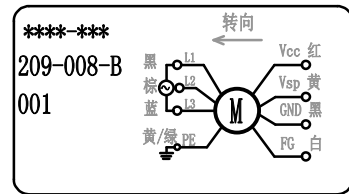
铭牌 LABEL (选中请打勾 PLEASE TICK AT YOUR CHOISE)

中文 CHINESE

【铭牌I LABEL I】

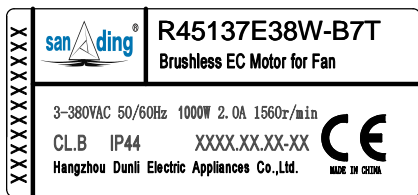


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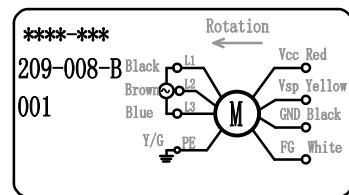


英文 ENGLISH

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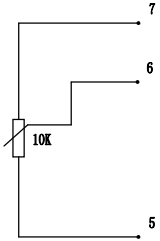


【铭牌II LABEL II】

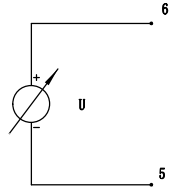


接线示意图 Connection Diagram

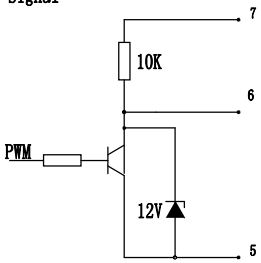
利用可变电阻设定风量
Air flow by using 0-10k variable resistance



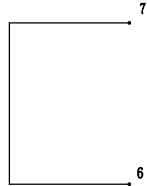
利用电源1V-10V设定风量
Air flow by using 1-10 V. DC



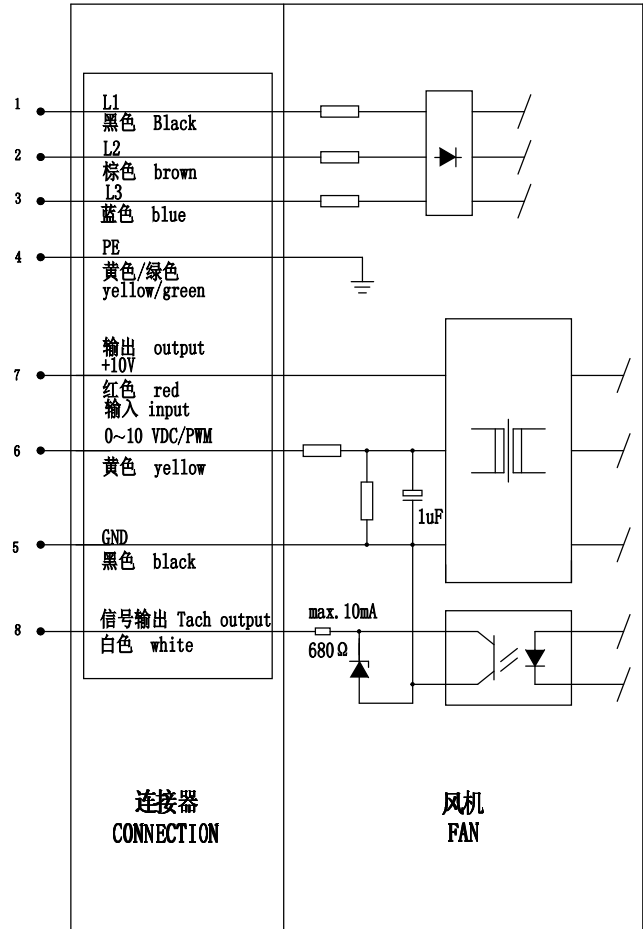
利用PWM信号设定风量
Air flow by using PWM signal



最大风量
MAX. Air flow



客户回路
CUSTOMER CIRCUIT



【引线①式样】

【LEAD WIRES ASS'Y ①】

电线

WIRES: 4*AWG18

信号名 SIGNAL	颜色 COLOR	规格 SPEC
L1	黑 BLACK	AC380V 50/60Hz
L2	棕 BROWN	AC380V 50/60Hz
L3	蓝 BLUE	AC380V 50/60Hz
PE	黄/绿 YELLOW/GREEN	接地 EARTH

【引线②式样】

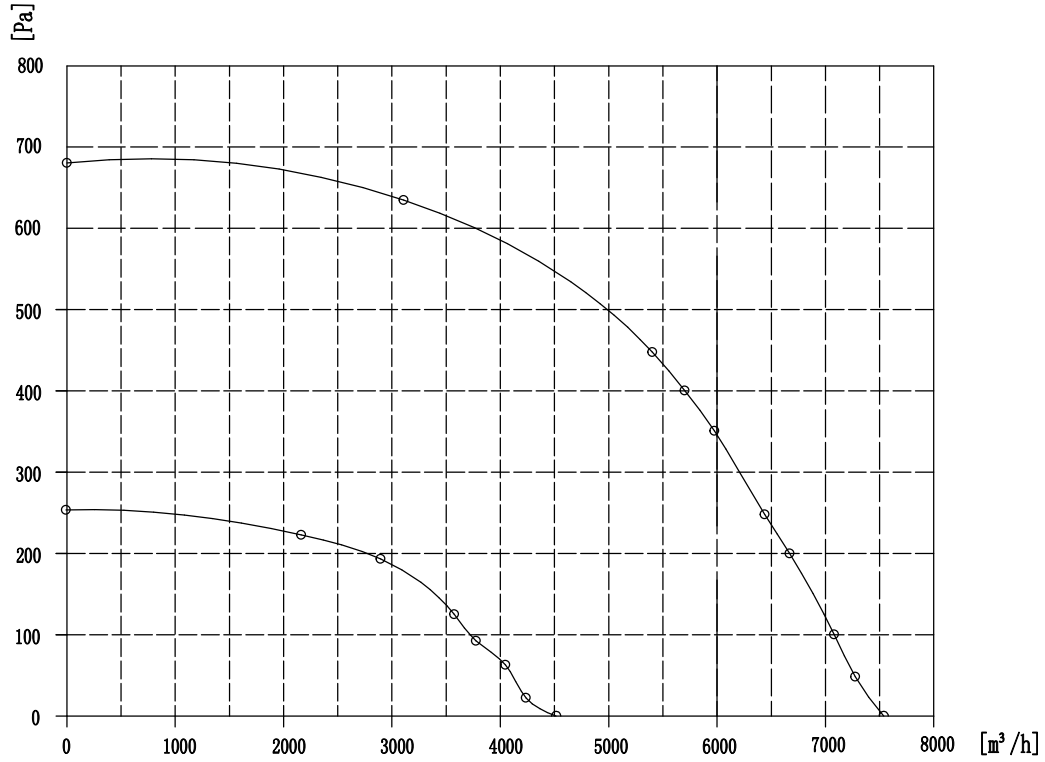
【LEAD WIRES ASS'Y ②】

电线

WIRES: 4*AWG22

信号名 SIGNAL	颜色 COLOR	规格 SPEC
Vcc	红 RED	DC10V输出
Vsp	黄 YELLOW	0-10V/PWM
GND	黑 BLACK	GND
FG	白 WHITE	12Pulse/R

风量曲线 Air Performance Curver



测试值 Measured Values

序号 No.	电压 VOLTAGE	电流 CURRENT	转速 SPEED	输入功率 POWER	静压 STA. PRES	流量 AIR FLOW
单位 UNIT	[V]	[A]	[r/min]	[W]	[Pa]	[m³/h]
1	380	1.55	1555	889.2	0.2	7580.7
2	380	1.63	1555	944.9	49.5	7379.2
3	380	1.71	1554	997.0	100.0	7123.6
4	380	1.86	1555	1093.7	200.0	6706.1
5	380	1.97	1556	1165.8	249.5	6462.3
6	380	0.45	933	205.3	0.7	4542.3
7	380	0.48	930	221.9	30.2	4268.3
8	380	0.51	935	237.4	60.8	4104.4

注：风量特性仅供参考。

使用注意事项 ATTENTION IN USE

- (1) 本产品请按规格书连接线路
PLEASE DO CONNECTIONS ACCORDING TO THE WIRE DIAGRAM OF THIS PRODUCT SPECIFICATION.
- (2) 产品运转时请勿靠近旋转部件，并防止异物进入内部
PLEASE KEEP AWAY FROM ROTATING PARTS WHILE THE PRODUCT IS RUNNING, AND NO EXOTERIC MATTER GETTING INTO INSIDE OF THE PRODUCT.
- (3) 产品通电时请勿接触高压线路，防止触电
PLEASE DO NOT TOUCH ANY OF THE HIGH VOLTAGE LINE WHILE THE PRODUCT IS POWERED ON.
- (4) 起动机时电流过大会损坏电机 请防止电流峰值超过8A，不超过5mS
TO PREVENT MOTOR DAMAGED BY OVER STARTING CURRENT, THE PEAK CURRENT CAN NOT EXCEED 8A, LESS THEN 5 mS
- (5) 产品需要通风冷却，使用时请考虑周边通风条件，并防止烫伤
IN ORDER TO COOL DOWN THE MOTOR PART. PLEASE USE THIS PRODUCT UNDER A WELL-VENTILATED CONDITION AND BE WAARE OF AVOIDING BEING SCALDED DURING OPERATION.
- (6) 产品内部使用球轴承，避免转子受到冲击
THE BEARINGS USED ARE BALL BEARING, PLEASE PREVENT THE ROTOR FROM STRIKE AND IMPACT.
- (7) 移动产品时请勿拉扯线束，避免线路断裂或绝缘受损
IN ORDER TO AVOID THE CIRCUIT FROM BREAKDOWN AND/OR INSULATION FROM MAMAGE, PLEASE DO NOT PULL THE WIRE HARNESSSES WHILE MOVING THE PRODUCT.
- (8) 防止冲击电压破坏产品，请采用VSP信号控制风机启停，请勿在电源线上采用继电器或其它机械开关控制频繁启停
IN ORDER TO PREVENT THE PRODUCT FROM DAMAGE BY THE IMPACT VOLTAGE, PLEASE USE VSP CONTROL FAN START OR STOP, DO NOT USE RELAY OR OTHER MECHANICAL SWITCH ON THE POWER SUPPLY LINE TO CONTROL FAN START OR STOP FREQUENTLY.
- (9). 安装时确保风机转动无卡滞现象；风机启动时，观察风机转向是否与标识一致；
PLEASE CHECK TO MAKE SURE THERE' S NO CLAMPING STADNATION WITH THE FAN BEFORE INSTALLATION;
PLEASE CHECK THE ROTATION OF THE FAN TO THE MAKE SURE IT' S RUNNING THE CORRECT DIRECTION;
- (10). 要求用户风机设备可靠接地；
CUSTOMER FAN UNIT SHOULD CONNECT TO GROUND WLL;
- (11). 不适用于有明显破坏绝缘的气体或蒸汽的环境中；
CAN NOT BE USED FOR THESE PLACES WHERE HAVE CORROSIVE GAS OR STEAM EXSTING;
- (12) 按本规格书中的参数评价产品，若工作参数发生变更，请与本公司联系
PLEASE USE THIS PRODUCT UNDER THE CONDITIONS SPECIFIED ON THIS SPECIFICATION. AND PLEASE CONTACT WITH US IF YOUR APPLICATION IS NOT IN THE APPLIED CONDITIONS.

其它 OTHERS

- (1) 本产品的知识产权属于本公司 在本产品的使用上不会发生专利问题 应用本产品形成有关产品或方法及新的技术方案造成专利侵权 本公司不予保证 请贵公司特别注意
WE HAVE INTELLECTUAL RIGHTS ON THIS PRODUCT. WE ARE NOT RESPONSIBLE FOR ANY TORTA/PATENT DISPUTES CAUSED BY USING THIS PRODUCT ON OTHER PRODUCTS/TECHNICAL SOLUTIONS.
- (2) 贵公司保证未经本公司许可 不得将此技术规格书泄漏给其它任何第三方
IT SHOULD BE ASSURED THAT THIS SPECIFICATION CAN NOT BE REVEALED TO ANY THIRD PARTY WITHOUT THE CONSENT OF OUR CORPORATION
- (3) 声明：
请注意上述所有内容，否则由此引起的一切质量问题与事故由用户自行承担。
PLEASE PAY ATTENTION TO ALL THE ABOVE CONTENT, IF NOT, CUSTOMER SHOULD UNDER TAKE THE DUE OBLIGATION FOR ALL THE QUALITY ISSUES AND ACCIDENTS.