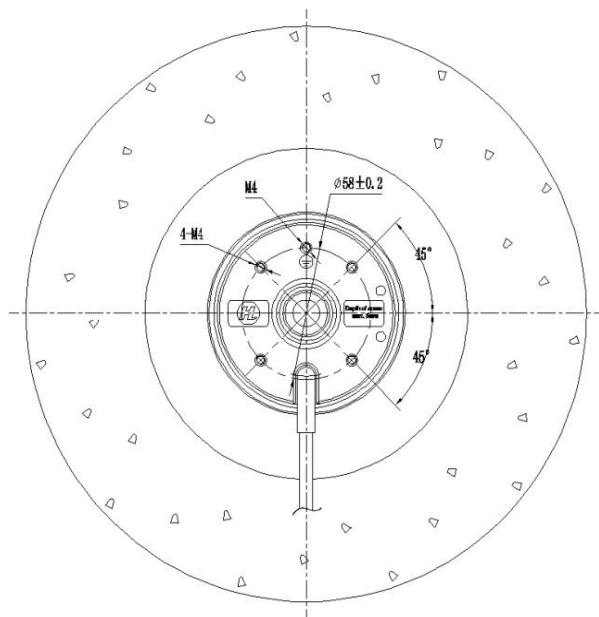




MODEL型号		RBA250056-2E	
MOTOR NUMBER电机型号		AC092-1-4	
Rated Voltage额定电压	VAC	230	
Rated Voltage频率	HZ	50	
Rated voltage range 工作范围	VAC	207-253	
Rated Voltage输入功率	W	178	
Speed额定转速	RPM	2650	
Air flow风量	M3/H / CFM	1660/376	
Current输入电流	A	0.78	
Noise噪音	dB	75	
Static Pressure 静压	Pa	640	
Net Weight 净重	Kg	3.1	
Package 包装		Carton 纸箱	4pcs, 11kg, 600x320x350mm
		Pallet 托盘	144pcs, 400kg, 1020x1020x1150mm

Technical drawing of a mechanical part, showing a side view and a cross-sectional view. The side view includes dimensions: 99±1 (total width), 56 (inner width), 42 (inner width), 64 (total width), 100±10 (height), 400±10 (height), 2 (thickness), 27 (height), 42 (width), 62 (width), 172±1 (width), 252 (width), 165.4 (width), 404.5 (width), 0.8 (width), 31 (width), 40 (width), 35 (width).



Performance graph for RBA250056-2E. The y-axis represents pressure drop Δp [Pa] (0 to 700) and the x-axis represents flow rate Q [m³/h] (0 to 1800). The curve shows a decreasing trend.

Flow Rate Q [m³/h]	Pressure Drop Δp [Pa]
118	650
236	550
354	450
471	350
588	280
706	220
824	170
941	130
1059	100
1176	75
1294	50
1411	30
1529	15
1646	5
1764	0

L PE N
 U₁ U₂ Z
 C 电容
 TOP 热保护器
 U₁ = blue 蓝色
 U₂ = black 黑色
 Z = brown 棕色
 = green/ 绿色
 yellow 黄色



AC Backward Curved Centrifugal Fan 后倾离心风机

Specifications of RBA250056 技术参数

Electrical parameters 电气参数

▶ Motor 电机	AC external rotor motor 交流外转子电机
▶ Insulation Class 绝缘等级	Class "B" ("F" optional 可选)
▶ Motor Protection 电机保护	Thermal overload protector wired internally 热保护 Motor current limited 电流保护
▶ Speed Control 调速方式	Series resistance / Transformer / Frequency Inverter 可变电阻/变压器/变频器
▶ Protection Class	I
▶ Type of protection 防护等级	IP44
▶ Operation Mode 运行模式	S1 连续运转
▶ Direction of Air Flow 风向	All round 水平面出风
▶ Direction of Rotation 转向	Clockwise, seen on rotor 顺时针, 从转子方向看
▶ Dielectric Strength 耐高压测试	5mA max. at 1500VAC 50Hz/s between frame and (+)terminal 机壳和端子间每秒
▶ EMC	EN60335-1

Mechanical Parameters 机械参数

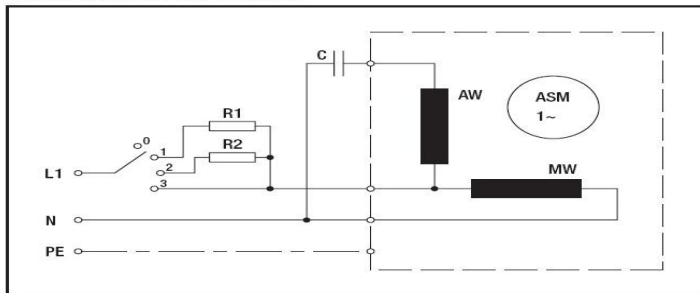
▶ Dimension 风轮尺寸	Φ250x56mm
▶ Material of Impeller 风轮材质	Galvanised sheet steel 镀锌钢板
▶ Number of Blades 风叶数	11
▶ Material of Motor back cover 电机后盖材料	Die-cast aluminium 压铸铝
▶ Material of Impeller Plate 风轮底座材料	Injection-moulded round sheet-metal plate 注塑金属镀锌钢板
▶ Mounting Position 安装方式	Any 任何方式
▶ Surface of Rotor 转子表面喷涂	Coated in black 黑色
▶ Bearing System 轴承系统	NMB maintenance-free ball bearing 免维护滚珠轴承
▶ Life time 寿命	30000 hours 小时 (L10) at 40°C room 室温, humidity 湿度15%~65%RH
▶ Lead Wire 引线	AWG#18 UL1007

Environmental 环境参数

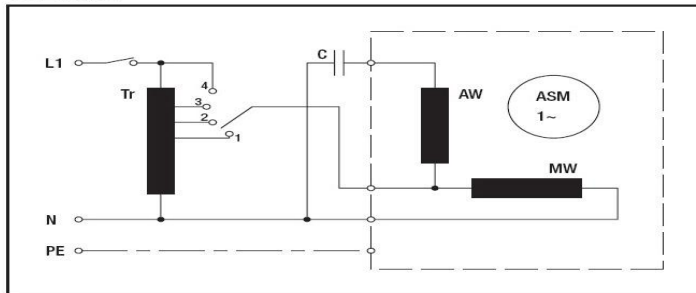
▶ Operating / Storing temp. 运行/储藏温度	-25°C to + 60°C / -40°C to + 60°C
▶ Operating / Storing humidity 运行/储藏湿度	5% to 90% RH
▶ Approval 认证	CE, CCC, ErP2015 and RoHS compliance 符合RoSh和ErP2015能效标准
▶ Shock Test 冲击试验	Apply peak acceleration 50g and keep duration for 11ms /峰值加速度50克保持11ms无影
▶ Vibration Test 震动试验	Displacement amplitude 0.75mm Equivalent 10G. Freq.range 10Hz~55Hz/30s. 位移幅值0.75mm, 频率范围10Hz~55Hz/30s
▶ Drop Test 跌落试验	In min packaging, three faces from 30cm distance height onto 10mm thickness of wooden board 最小包装情况下从30cm高度跌落到厚10mm木板连续三次无损坏
▶ Dustproof Test 防尘试验	IEC60529 IPX4 (1mm dia.metal wire can't go through the gas /1mm直径金属无法进入
▶ Waterproof Test 防水试验	IEC60529 IPX4 (10 min. to spray water from all direction / 360度喷水十分钟无影响
▶ Warrant 质保期	12 months after delivery 交付后12个月

Speed setting with AC Motors 调速方式

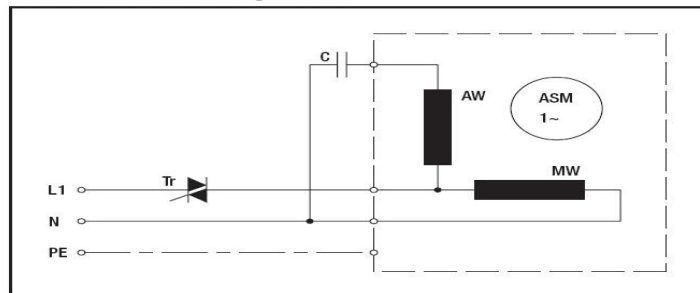
可变电阻调速 Series resistance



变压器调速 Transformer



相位角控制调速 Phase-angle control



正弦滤波变频器调速 Frequency Inverter with sine filter

