



AC Dual Inlet Centrifugal Blower 双进风鼓风机

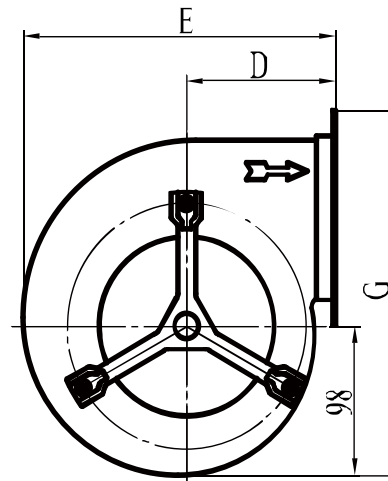
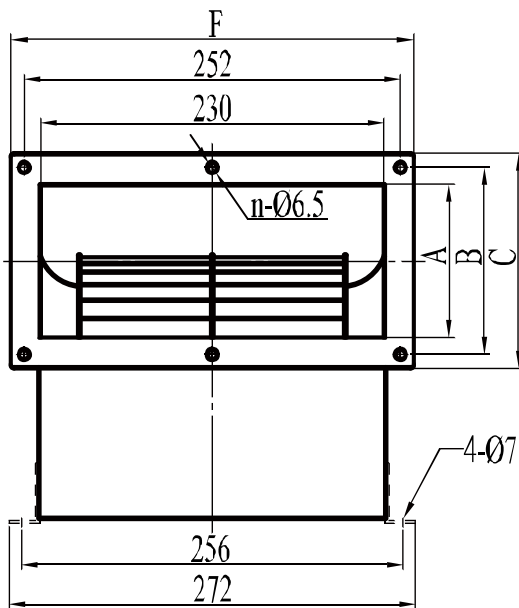
Specifications of DRFA146 技术参数



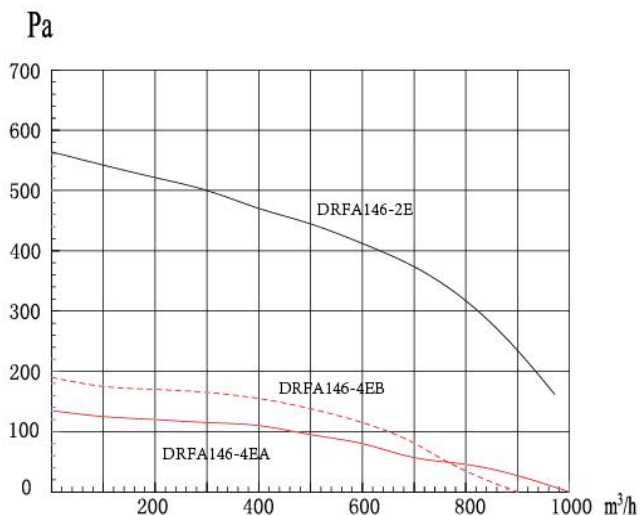
Model 型号		DRFA146-2E	DRFA146-4EA	DRFA146-4EB
Motor type 电机型号		AC92-1-2	AC92-1-4	AC92-1-6
Rated voltage 额定电压	VAC	220	220	230
Frequency 频率	Hz	50	50	60
Rated voltage range 工作范围	VAC	209~231	209~231	219~241
Power input 输入功率	W	350	110	220
Rated Speed 额定转速	RPM	2000	1360	1600
Airflow 风量	M3/H / CFM	970/571	1000/588	900/529
Input Current 输入电流	A	1.3	0.5	1.0
Max Noise Level 噪音	dBA	63	54	56
Static Pressure 静压	Pa	560	135	190
Net Weight 净重	Kg	6.1	6.0	6.0
Package 包装	Carton 纸箱	1pcs, 5/4.5kg, 280x220x240mm		
	Pallet 托盘	100pcs, 520/470kg, 1130x1060x1200mm		

Dimensions 外形尺寸

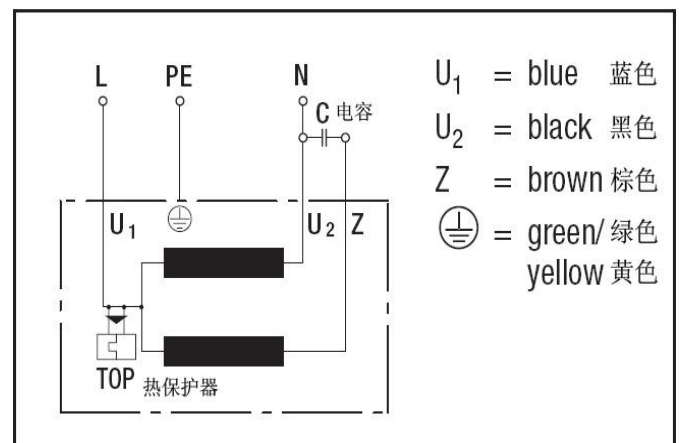
	A	B	C	D	E	F	G	n
DRFA146-2E	88	105	120	105	230	266	250	4
DRFA146-4EA	100	122	140	100	215	270	238	6
DRFA146-4EB	100	122	140	100	215	270	238	6



Curves 曲线



Wire Diagram 接线图





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Specifications of DRFA146 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	Outlet 出风口出风
▶ 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	2mA maximum at 1960VAC 50Hz/s between frame and (+)terminal 机壳和端子间每秒
▶ EMC	EN60335-1

Mechanical Parameters 机械参数

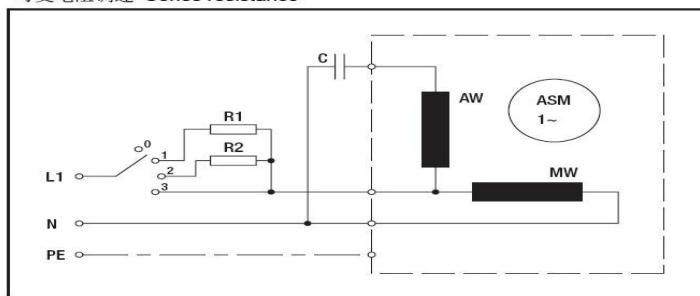
▶ Dimension 风轮尺寸	Φ146mm
▶ Material of Impeller 风轮材质	hot-dip galvanised sheet steel 镀锌钢板
▶ Material of Housing 蜗壳材质	hot-dip galvanised sheet steel 镀锌钢板
▶ Material of Motor back cover 电机后盖材料	Die-cast aluminium 压铸铝
▶ Material of Impeller Plate 风轮底座材料	Injection-moulded round sheet-metal plate 注塑金属镀锌钢板
▶ 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 (Mains 电源端)

Environmental 环境参数

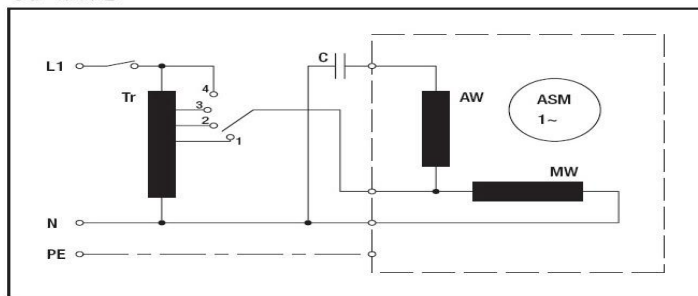
▶ Operating / Storing temp. 运行/储藏温度	-25°C to + 60°C / -40°C to + 60°C
▶ Operating / Storing humidity 运行/储藏湿度	5% to 90% RH
▶ Approval 认证	CE, CCC, ErP2015 and RoHS compliance 符合RoSh和ErP2015能效标准
▶ Shock Test 冲击试验	Apply peak acceleration 50g and keep duration for 11ms / 峰值加速度50克保持11ms无影响
▶ Vibration Test 震动试验	Sine Wave. Displacement amplitude 0.75mm Equivalent 10G. Freq.range 10Hz~55Hz/30s. 正弦波, 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10cm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	18 months after delivery 交付后18个月

Electrical connection 电气接线图

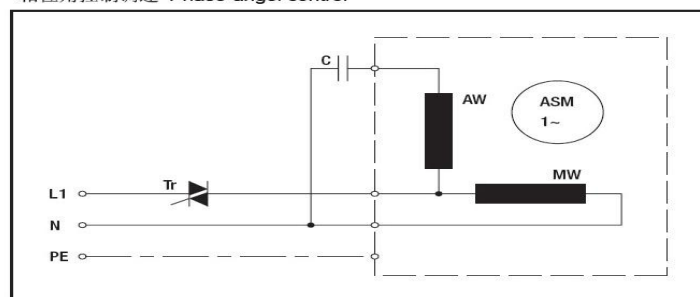
可变电阻调速 Series resistance



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

