



AC Dual Inlet Centrifugal Blower 双进风鼓风机

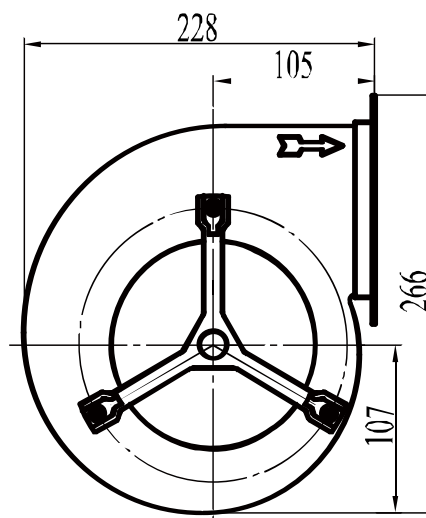
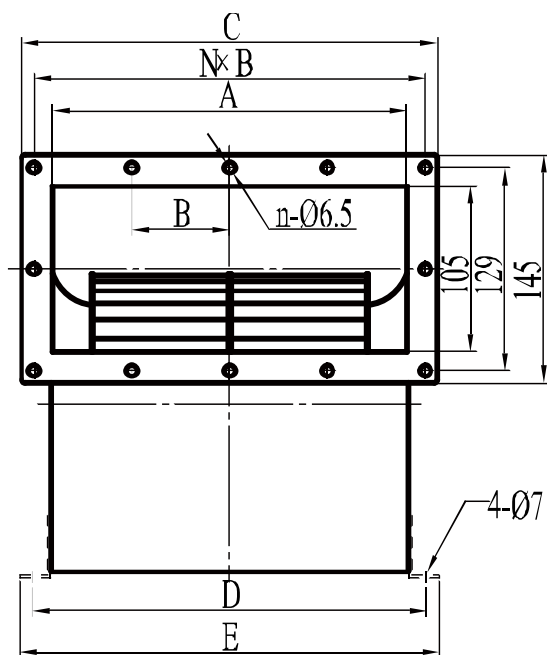
Specifications of DRFA160 技术参数



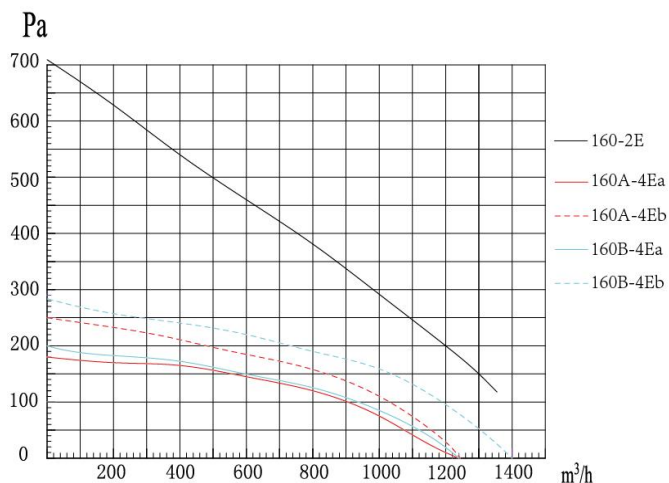
Model 型号		160-2E	160A-4Ea	160A-4Eb	160B-4Ea	160B-4Eb
Motor type 电机型号		AC92-1-2	AC92-1-2	AC92-1-4	AC92-1-2	AC92-1-4
Rated voltage 额定电压	VAC	220	220	230	220	230
Frequency 频率	Hz	50	50	60	50	60
Rated voltage range 工作范围	VAC	209~231	209~231	219~241	209~231	219~241
Power input 输入功率	W	410	150	160	185	235
Rated Speed 额定转速	RPM	1850	1300	1450	1380	1570
Airflow 风量	M3/H / CFM	1300/765	1240/729	1120/659	1240/729	1400/824
Input Current 输入电流	A	2.3	0.75	0.74	0.8	1.0
Max Noise Level 噪音	dBA	65	64	66	65	68
Static Pressure 静压	Pa	700	180	180	200	282
Net Weight 净重	Kg	6.0	4.8	4.8	6.1	6.1
Package 包装	Carton 纸箱	1pcs, 6.5kg, 325x240x290mm				
	Pallet 托盘	100pcs, 630/490kg, 1100x1050x1200mm				

Dimensions 外形尺寸

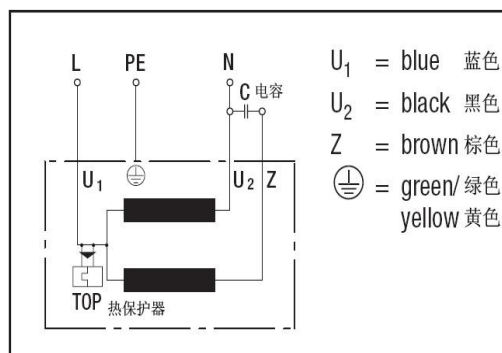
	A	B	C	D	E	n	N
DRFA160-2E	270	73.5	310	296	312	12	4
DRFA160A-4E	230	63.5	270	256	272	8	2
DRFA160B-4E	270	73.5	310	296	312	12	4



Curves 曲线



Wire Diagram 接线图





AC Dual Inlet Centrifugal Blower 双进风鼓风机

Specifications of DRFA160 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	IP54
▶ 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

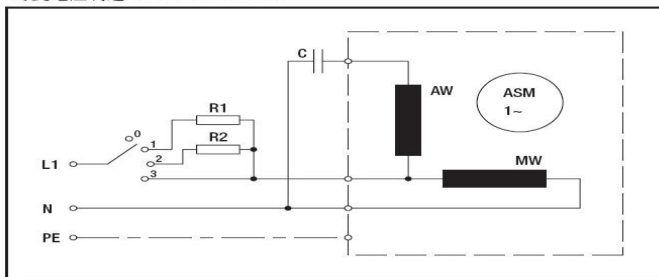
▶ Dimension 风轮尺寸	Φ160mm
▶ Material of Impeller 风轮材质	hot-dip galvanised sheet steel 镀锌钢板
▶ Material of Housing 蜗壳材质	hot-dip galvanised sheet steel 镀锌钢板
▶ Material of Motor back cover 电机后盖材料	Die-cast aluminium 压铸铝
▶ Material of Impeller Plate 风轮底座材料	Injection-moulded round sheet-metal plate 注塑金属镀锌钢板
▶ 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

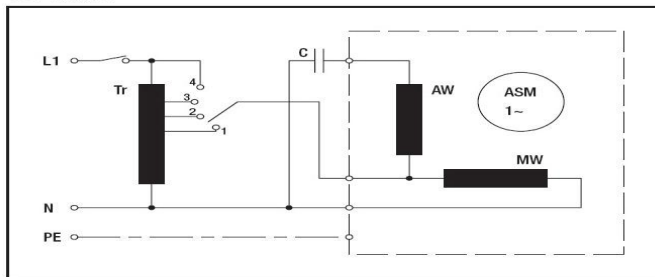
▶ Operating / Storing temp. 运行/储藏温度	-25°C to + 60°C / -40°C to + 60°C
▶ Operating / Storing humidity 运行/储藏湿度	5% to 90% RH
▶ Approval 认证	CE, CCC, ErP2015 and RoHS compliance 符合RoSh和ErP2015能效标准
▶ Shock Test 冲击试验	Apply peak acceleration 50g and keep duration for 11ms /峰值加速度50克保持11ms无影响
▶ Vibration Test 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	18 months after delivery 交付后18个月

Electrical connection 电气接线图

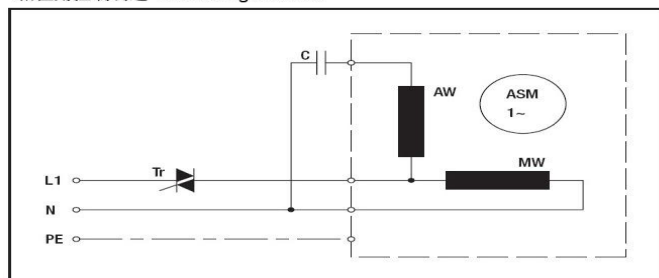
可变电阻调速 Series resistance



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

