



EC Centrifugal Fan-A2 Airfoil

Backward Curved Φ450

Creation date: 2024-03-15

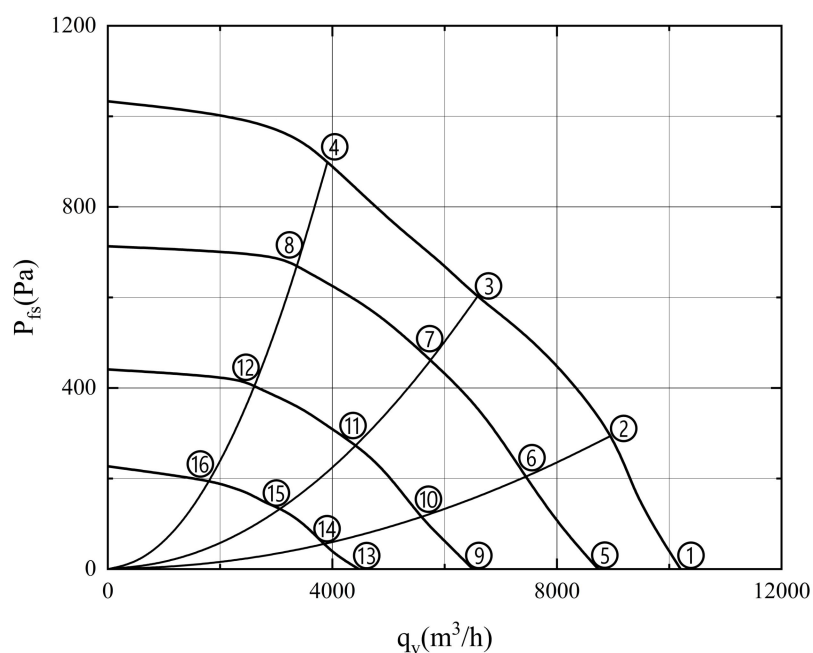
额定数据 Nominal data

型号 Type	EC137/80D3G01-B450/150A2-01-Z	
相位 Phase	3~	
额定电压 Rated voltage	VAC	400
电压范围 Rated voltage range	VAC	380 ~ 480
频率 Frequency	Hz	50/60
转速 Speed (rpm)	min ⁻¹	1790
功率 Power consumption	W	1800
电流 Current	A	2.8
最低环境温度 Min. ambient temperature	°C	-25
最高环境温度 Max. ambient temperature	°C	50

ErP 能效数据 ErP Energy efficiency data

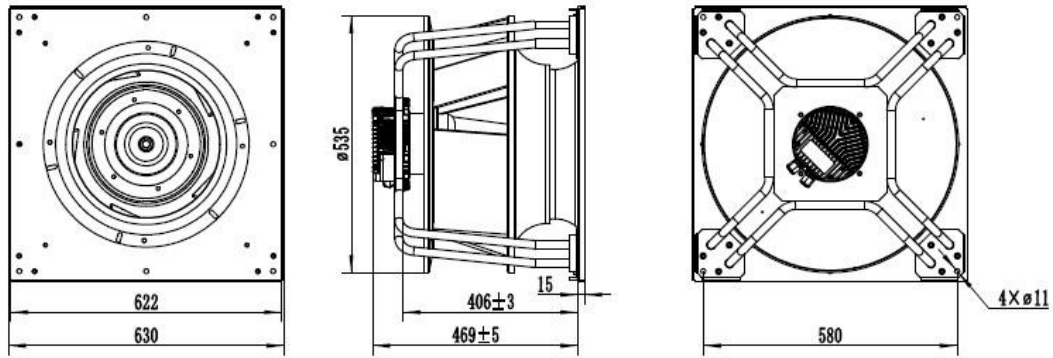
		实际 Actual	规定 2015 Req. 2015
整体效率 η_{es} Overall efficiency	%	64.9	54.2
测量类别 Measurement category		A	
效率类别 Efficiency category		静态 Static	
效率等级 N Efficiency grade N		72.7	62
转速调节 Variable speed drive		是 Yes	

特性曲线及数据 Characteristic curve and data

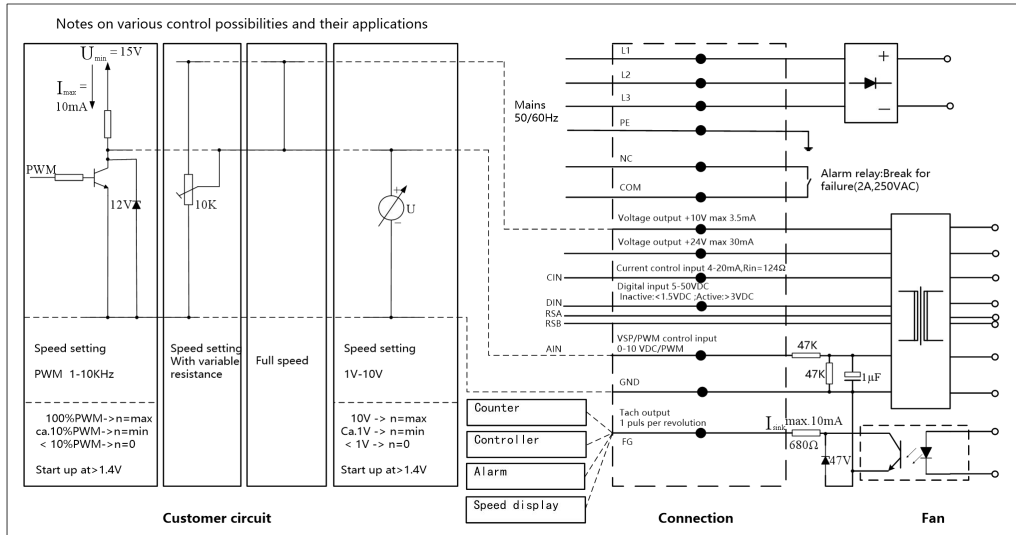


	电压	频率	转速	功率	电流	噪声	风量	静压	风量
	U	f	n	P _{ed}	I	L _p	q _v	p _{fs}	q _v
	V	Hz	min ⁻¹	W	A	dB(A)	m ³ /h	Pa	cfm
1	400	50	1790	1287	2.0	80	10203	0	6005
2	400	50	1790	1720	2.6	78	9046	300	5324
3	400	50	1790	1800	2.8	75	6571	600	3868
4	400	50	1790	1800	2.8	80	3912	900	2303
5	400	50	1580	837	1.3	75	8735	0	5141
6	400	50	1580	1052	1.6	73	7434	205	4376
7	400	50	1580	1287	2.0	72	5746	462	3382
8	400	50	1580	1272	2.0	74	3363	670	1979
9	400	50	1220	407	0.7	70	6503	0	3828
10	400	50	1220	501	0.8	68	5565	115	3275
11	400	50	1220	611	1.0	67	4424	274	2604
12	400	50	1220	610	1.0	68	2607	403	1534
13	400	50	850	164	0.4	66	4470	0	2631
14	400	50	850	189	0.4	66	3850	55	2266
15	400	50	850	225	0.5	65	3072	134	1808
16	400	50	850	226	0.5	66	1792	197	1055

产品图纸 Product drawing



线路图 Connection diagram



L1	L2	L3	PE
①	②	③	④

KL1

GND	10V	RSA	RSB	GND	24V	COM
①	②	③	④	⑤	⑥	⑦
⑧	⑨	⑩	⑪	⑫	⑬	⑭
⑮	⑯	⑰	⑱	⑲	⑳	㉑

KL2

Terminal	NO.	Connection	Function
KL1	1	L1	电源相线, 电压范围见铭牌 Power supply, phase, voltage range see nameplate
	2	L2	电源相线, 电压范围见铭牌 Power supply, phase, voltage range see nameplate
	3	L3	电源相线, 电压范围见铭牌 Power supply, phase, voltage range see nameplate
	4	PE	保护接地 Protective earth
KL2	1	GND	控制接口部分参考地 Reference ground for control interface
	2	+10V/max.3.5mA	电压输出, 给外部设备提供电源 Voltage output, power supply for ext. device
	3	RSA	MODBUS 的 RS485 接口 A RS485 interface for MODBUS, RSA
	4	RSB	MODBUS 的 RS485 接口 B RS485 interface for MODBUS, RSB
	5	GND	控制接口部分参考地 Reference ground for control interface
	6	+24V	电压输出, 给外部设备提供电源 Voltage output, power supply for ext. device
	7		
	8	COM	状态继电器, 浮动状态触点, 触点额定值 250VAC/2A (AC1)最小 10mA Status relay, contact rating 250VAC/2A(AC1)min. 10mA
	9	NC	状态继电器, 浮动状态触点, 故障或断电后断开 Status relay, floating status contact, break for failure
	10		
	11	Cin	4~20mA 电流调速 Analogue input for speed control, 4~20mA
	12	Din	0/1 数字输入 Digital input
	13	RSB	MODBUS 的 RS485 接口 B RS485 interface for MODBUS, RSB
	14	RSA	MODBUS 的 RS485 接口 A RS485 interface for MODBUS, RSA
	15	FG	输出: 1 脉冲/每转 Tach output: 1 pulse/revolution
	16	Ain	控制 0~10V 或 PWM 输入, 内部阻抗为 100K Control input 0-10V or PWM, impedance 100K