1



RH56V-ZIK.GL.VR | 116763 | Portfolio STD-WW | ZAvblue ECblue

Technical Description

ZAvblue-ECblue

Standard design with ECblue motor and integrated electronics

Nominal voltage Motor size B_:
- 1~ 200...240 V; 50/60 Hz

Nominal voltage Motor size D_:
- 1~ 200...277 V; 50/60 Hz
- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

Nominal voltage Motor size G_:
- 3~ 200...240 V; 50/60 Hz
- 3~ 380...480 V; 50/60 Hz

Thermal class:
- THCL155

Protection:
- IP55

Controller:
- Activation via external speed setting 0-10 V / PWM
- Standard cable length: 50 cm

Ambient temperature:
- Minimum permissible ambient temperarture: -30 °C*
- Maximum permissible ambient temperarture: 60 °C

Impeller material:
- High-performance composite material

***Continuous operation with occasional starts (S1) according to DIN EN 60034-1: 2011-02. Occasional starting between -35 ° C and -25 ° C is permissible. Permanent operation below -25 ° C only possible with special bearings for refrigeration applications on request.**

FANselect

风机数据

2023/9/23

版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)



类型	RH56V-ZIK.GL.VR
编号 article no.	116763 | Portfolio STD-WW

技术参数

马达		ECblue
Efficiency class		IE5
主电源	-	3~ 400V 50Hz
环境温度 (t_r)	°C	50
效率 η_{statA}	%	63,1
效率 **$N_{实际}$** | $N_{目标}$		**68,1** | 50
ErP-等级		2015 | 内部集成EC控制器
grille | influence		否

风机数据

SFP-class | SFP-值 (P_{SFP})	- | Ws/m^3	**2** | 577
风量 (q_V)	m^3/h	10000
air velocity	m/s	9.72
压力, **静压 (p_{sF})** | 全压 (p_F)	Pa	**300** | 349
输入功率 (P_{sys})	W	1602
系统效率, **静压 ($\eta_{sF,sys}$)** | 全压 ($\eta_{F,sys}$)	%	**52.0** | 60.4
风机速度 **(n)** | max. (n_{max})	1/min	**1193** | 1550
风机转速 设定值 % (%n_{max})	%	77
频率 **(f_{BP})** | (f_{max})	Hz	**50** | 60
工作点电压 (U_{DP})	V	400
电流 (I_{DP})	A	2.52
进风侧噪音 **($L_{w(A),5}$)** | ($L_{w,5}$)	dB	**74** | 78
出风测噪音 **($L_{w(A),6}$)** | ($L_{w,6}$)	dB	**80** | 83
尺寸 (w x h x d)	mm	579 x 579 x 344
重量	kg	26
喷嘴压力系数 (k)	-	400
压差喷嘴 ($p_{sF\ nozzle}$)	Pa	625

PF:PF_50; BR:BR_62; q_V:10000 m^3/h; p_{sF}:300 Pa; mains:3~ / 400V / 50 Hz; t_r:20 °C; 尺寸:560 mm; ρ:1.16 kg/m^3; STol:+-10 %

FANselect

性能曲线 / 噪音

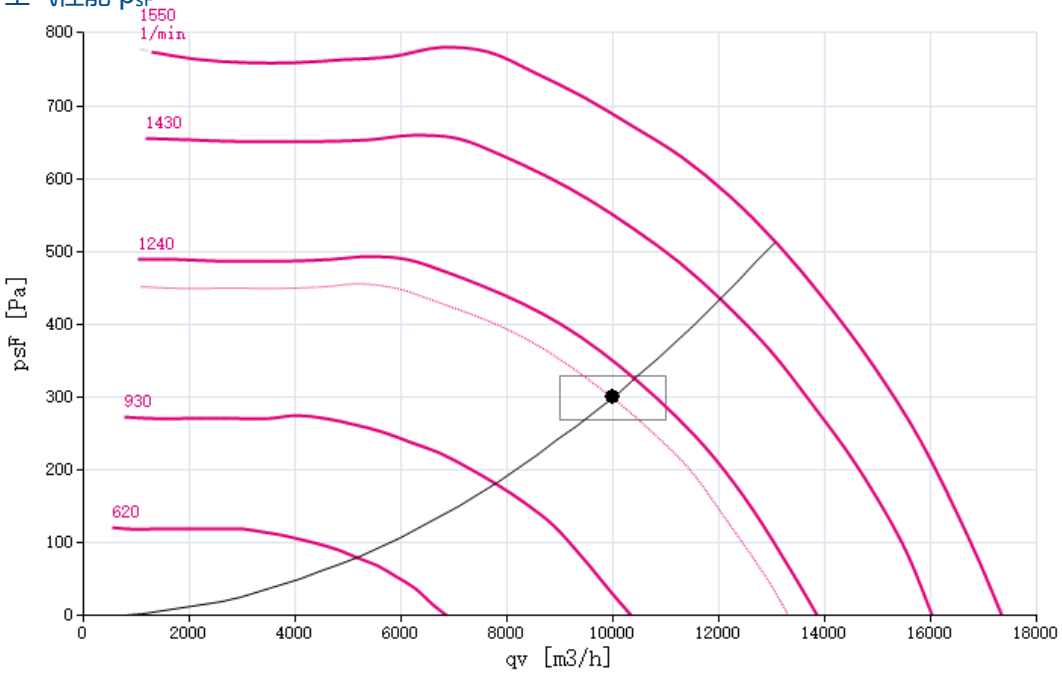
2023/9/23

版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

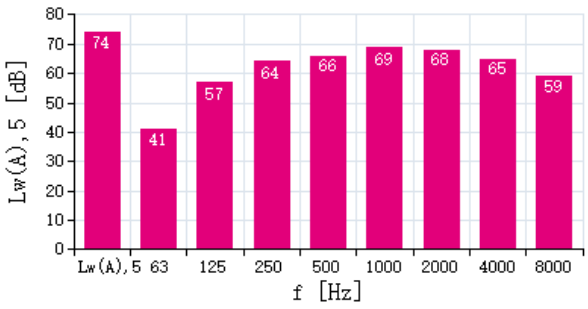
1 RH56V-ZIK.GL.VR 0

116763 | Portfolio STD-WW 测量密度 1.16 [kg/m³]

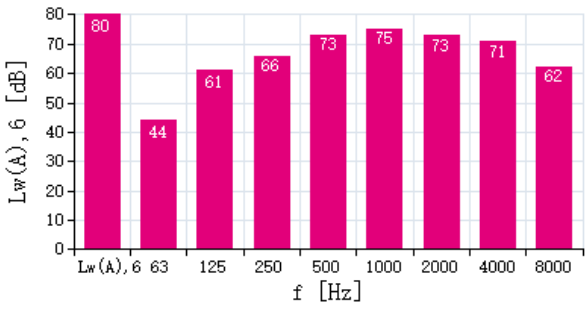
空气性能 p_{sF}



噪音值 ($L_{w(A),5}$)



噪音值 ($L_{w(A),6}$)



1 RH56V-ZIK.GL.VR

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	74	41	57	64	66	69	68	65	59
$L_{w,5}$	78	66	71	72	70	69	67	64	60

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	80	44	61	66	73	75	73	71	62
$L_{w,6}$	83	69	75	74	76	76	72	70	63

FANselect

效率 / 功率

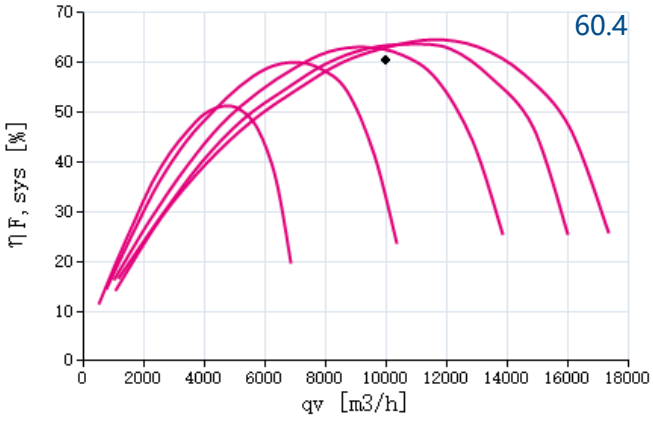
2023/9/23

版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

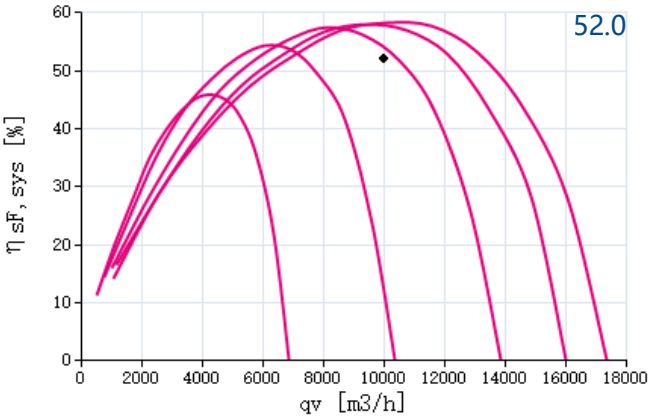
1 RH56V-ZIK.GL.VR 0

116763 | Portfolio STD-WW 测量密度 1.16 [kg/m³]

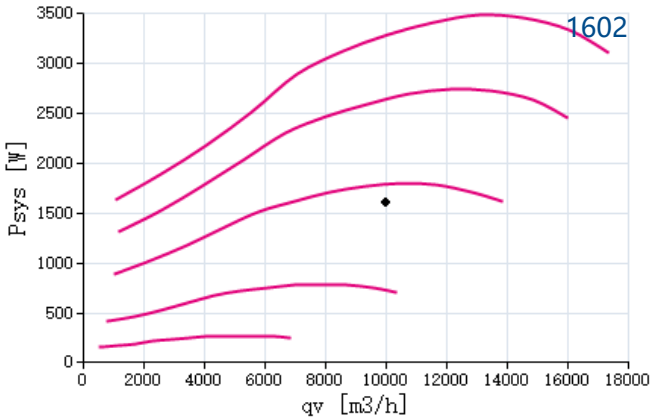
效率 $\eta_{F,sys}$



效率 $\eta_{sF,sys}$



功率 P_{sys}



FANselect

标称值

2023/9/23
版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

1



RH56V-ZIK.GL.VR
116763

3~ 380-480V 50Hz P1 3.50kW
5.60-4.40A 1550/MIN 50°C
3~ 380-480V 60Hz P1 3.50kW
5.60-4.40A 1550/MIN 50°C
IP55 THCL155

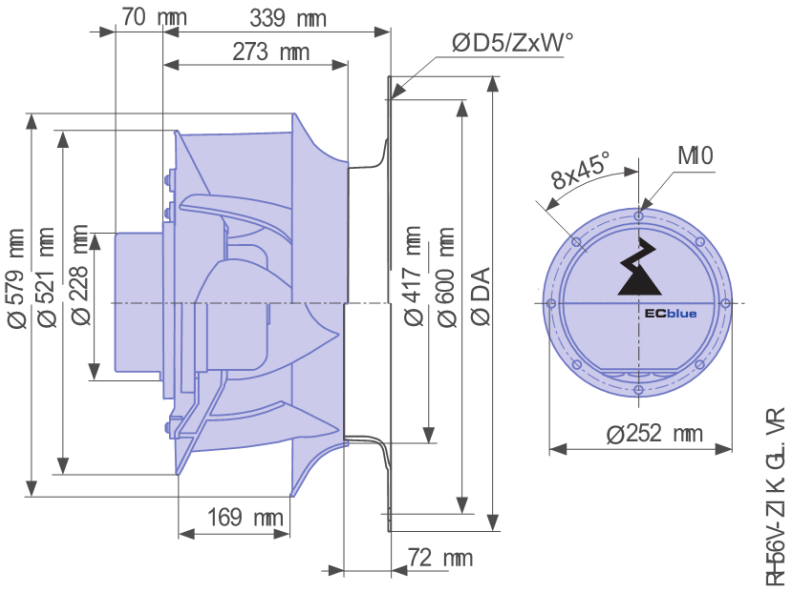
图纸

2023/9/23
版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

1



RH56V-ZIK.GL.VR
116763



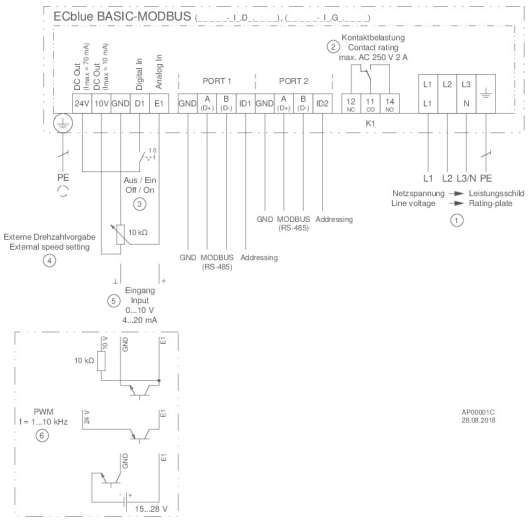
接线图

2023/9/23
版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

1



RH56V-ZIK.GL.VR
116763



FANselect

附件

2023/9/23

版本 FANselect V 1.01 (210728), AMCA V 1.03 February, 2019 / 1.21.07.28 | 285 | (用户 fzhou)

1



类型	RH56V-ZIK.GL.VR
编号 article no.	116763