

# FL130021D-02 Specification

FL130021D-02 (12VDC)

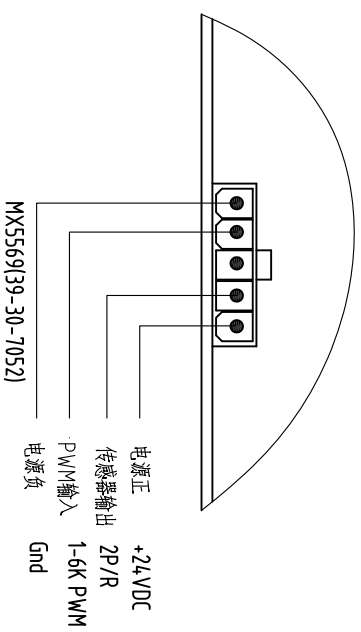
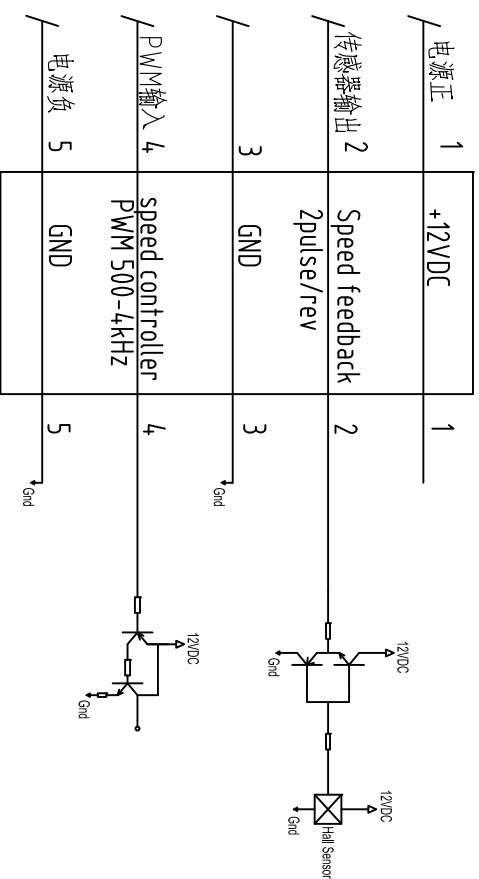
## 1. Operational requirements

Nr.	Item	Content	Tolerance	Ref
1.1	Application	Gas/Air mixture		
1.2	ambient conditions during operation	0-70°C ; 0-95%RH incl. short term condensation during cold starts		
1.3	Ambient conditions during transport and storage	-20-80°C ; 0-95%RH incl. short term condensation during ambient temperature changes		
1.4	leakage	≤0.02m <sup>3</sup> /h into housing at -30mbar rel. air pressure in housing and ≤0.02m <sup>3</sup> /h out off housing with closed shaft opening		
1.5	Power supply	12VDC	±5%	A
1.6	Max. power	75W during acceleration	±5%	A
1.7	Static pressure (PWM: 100%)	Max.(no flow): 2000Pa.	±5%	A
1.8	Rotation speed(PWM: 100%)	Max.(no flow): 7500rpm	±5%	A
1.9	Power consumption(PWM: 100%)	Max.(free air): 55W	±5%	A
1.10	Blower speed control, PWM input blower	Controlled by a PWM signal from the boiler control unit; If PWM signal is open or not connected PWM=100%, Minimal starting PWM≤10%		B
1.11	Blower speed control, speed reference output			B
1.12	Impeller	Anti static		
1.13	IP-class	IP20		
1.14	Electrical insulation	Class F		
1.15	Protection	Over current		
1.16	Unbalance class	<30mg@5000rpm		
1.17	Mounting dimension			C

# 附件B：接线图

## B：Diagram

MX5569(39-30-7052)



# SOHON

## FAN CHARACTERISTIC

NAME: 冷凝式壁挂炉风机

Test No.

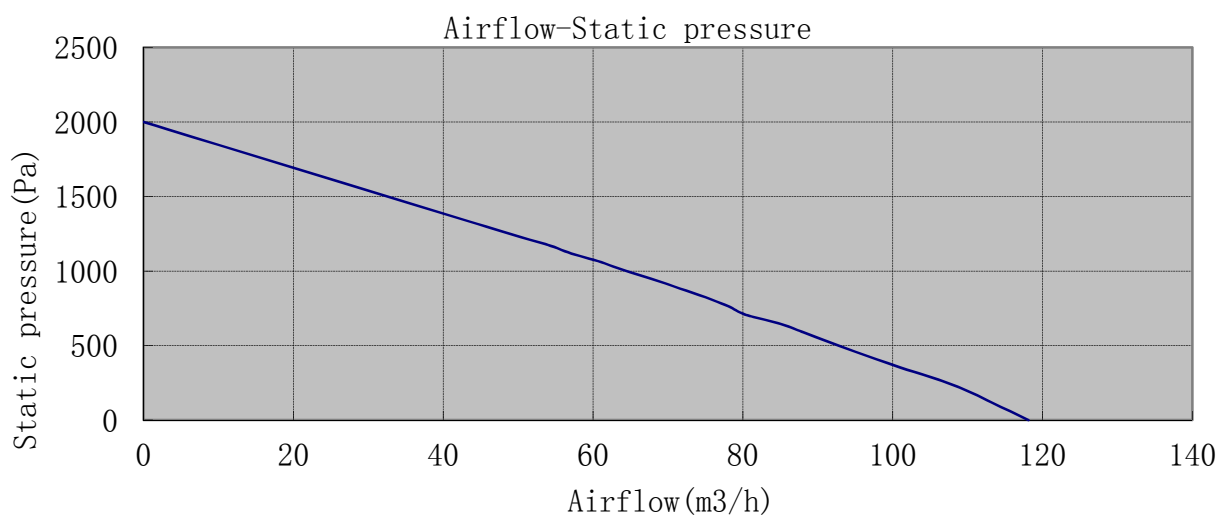
SH-FC-1004-002

Type: FL130021D-02

Rated condition:

12V

Voltage (VDC)	Frequence (Hz)	Current (A)	Input Power (W)	Speed (rpm)	Static Pressure (Pa)	Air Flow (m3/h)
12		4.49	53.88	5532	0	118.1
12		4.48	53.76	5550	117.6	113.2
12		4.45	53.4	5580	235.3	108.1
12		4.43	53.16	5619	353	101
12		4.38	52.56	5664	470.7	94.3
12		4.33	51.96	5748	588.3	88.1
12		4.3	51.6	5778	647.2	84.9
12		4.27	51.24	5814	706	80.4
12		4.24	50.88	5865	764.9	78
12		4.21	50.52	5922	823.7	75
12		4.18	50.16	5961	882.5	71.6
12		4.14	49.68	6027	941.4	68.2
12		4.1	49.2	6069	1000.2	64.4
12		4.06	48.72	6144	1059.1	61.1
12		4.02	48.24	6195	1117.9	57.1
12		3.98	47.76	6273	1176.7	53.9
12		3.94	47.28	6342	1235.6	49.8
12		3.4	40.8	7600	2000	0



all data about airflow have been converted to the standard state.  
(Environment temperature:20°C (293K), Air Pressure : 1013.25HPa)