

CBM/3-9/9 8-1500 A E00

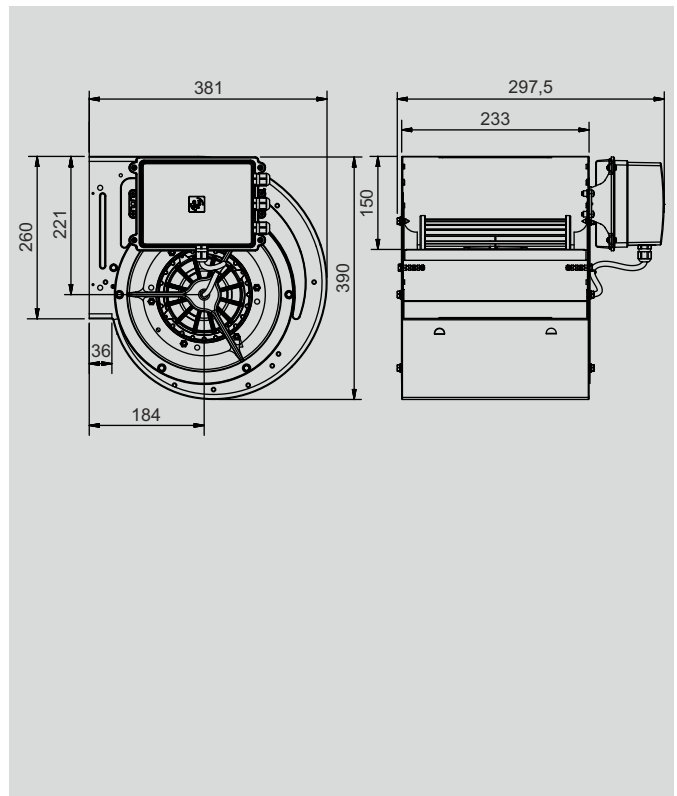
IP55



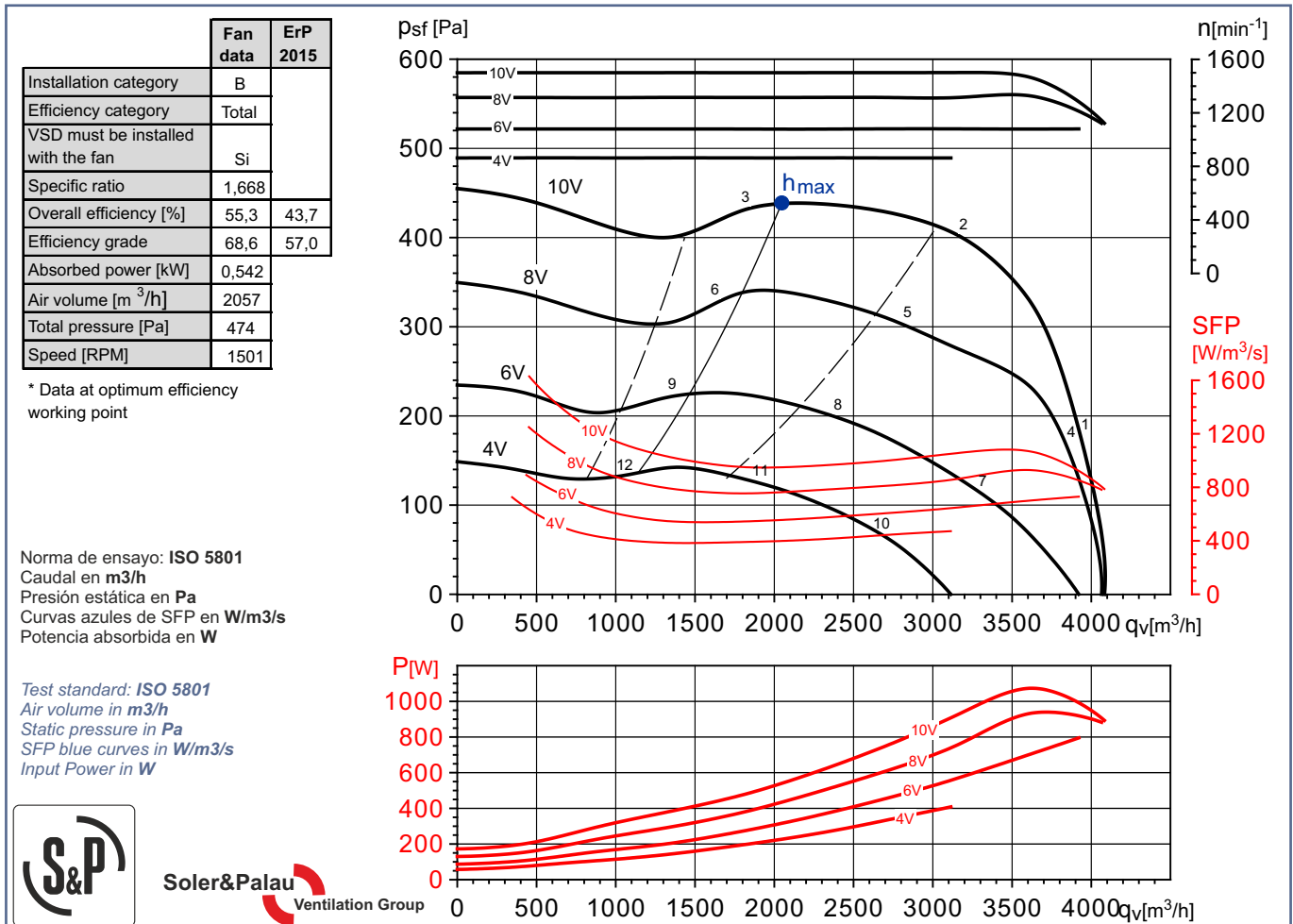
Dimensiones y conexiones
Dimensions and wiring

Características Characteristics

Tensión Voltage	1 ~#230V±10% 50/60Hz
Tipo motor Motor type	EC MOTOR - IP55 cl.B S1
Velocidad máxima Maximum speed	1500 RPM
Potencia absorbida máxima Maximum absorbed power	1,074 kW
Intensidad absorbida máxima Maximum absorbed current	4,5 A
Material turbina Wheel material	Galvanized sheet steel
Temperatura del aire Air temperature	-20°C<T<+40°C
Peso Weight	17 kg
Código ventilador Fan code number	5128552600
Código motor Motor code number	9096000916



Curvas características / Performance curves (04/08/2020)



Soler&Palau
Ventilation Group

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Características

Characteristics

Model type	Input tension regul. (V)	Speed (rpm)	Maximum power absorbed (W)	Maximum current absorbed (A)	Maximum air volume (m3/h)
CBM/3-9/9 8-1500 A E00	10	1510	1074	4,5	4080
	8	1330	967	4,0	4060
	6	1080	795	3,3	3920
	4	860	408	1,7	3110

Características acústicas

Acoustic characteristics

Working point	63	125	250	500	1000	2000	4000	8000	LwA	
1	INLET	56	66	75	78	83	82	79	70	87
2	INLET	53	63	72	75	80	79	76	67	84
3	INLET	49	59	68	71	76	75	72	63	80
4	INLET	55	65	74	77	82	81	78	69	86
5	INLET	50	60	69	72	77	76	73	64	81
6	INLET	46	56	65	68	73	72	69	60	77
7	INLET	52	62	71	74	79	78	75	66	83
8	INLET	46	56	65	68	73	72	69	60	77
9	INLET	42	52	61	64	69	68	65	56	73
10	INLET	46	56	65	68	73	72	69	60	77
11	INLET	40	50	59	62	67	66	63	54	71
12	INLET	36	46	55	58	63	62	59	50	67

Norma de ensayo: ISO 5801. Espectros de potencia sonora en dB(A)
 Test standard: ISO 5801. Sound power spectrum in dB(A)

Características técnicas

Technical features

- 0-10V / 4-20mA / PWM control signal input
- 0-10V or 4-20mA sensor input
- 0-10V (5mA) slave output
- 10VDC (10mA) output
- 24VDC (100mA) output
- Integrated PI control
- Active Power Factor Correction, PFC
- RS-485 ModBus-RTU
- Alarm relay
- Remote ON/OFF
- Leakage current ≤ 3.5 mA
- Hall Output (1 pulse/rev.)
- Fire mode

Modos de funcionamiento

Operating modes

- Constant speed (rpm)
- Constant power (W)
- Constant torque (mNm)
- PI
- Proportional
- Min/Max
- Constant airflow sensorless (On demand from factory)
- Constant pressure sensorless (On demand from factory)

Protecciones

Protections

- Rotor blocked
- Limitation by voltage / torque
- Heat-up of electronics and/or motor
- Detection of deviation from top / bottom voltage limits
- "Soft Start"
- Flying start
- Open phase
- Short circuit

Directivas

Directives

- Immunity: EN 61000-6-2 (Industrial environment)
- Emission: EN 61000-6-3 (Household environment)
- Harmonics: EN 61000-3-2

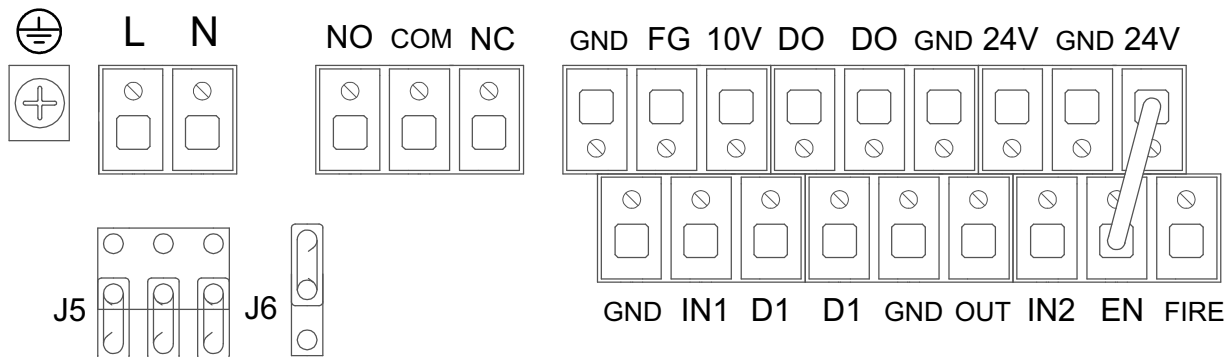


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Terminales
Terminals



Terminal	Function/Technical specification
L, N	Supply voltage single phase 230V±10% 50/60Hz
NO	Status relay, open with internal error and/or motor stopped
COM	Status relay, shared connection (2A, 30VDC / 230VAC)
NC	Status relay, closed with internal error and/or motor stopped
GND	Earth reference for control
GND	Earth reference for control
FG	Hall Output (1 pulse/rev.)
IN1	Control signal input, 0-10V / 4-20mA / PWM
10V	Voltage output, 10VDC (10mA)
D1	RS485 interface for Modbus RTU
D0	RS485 interface for Modbus RTU
D1	RS485 interface for Modbus RTU
D0	RS485 interface for Modbus RTU
GND	Earth reference for control
GND	Earth reference for control
OUT	Slave output, 0-10V (5mA)
24V	Voltage output, 24VDC (100mA)
IN2	Sensor input, 0-10V / 4-20mA
GND	Earth reference for control
24V, EN	Remote ON/OFF; bridge between terminals, motor ON; ex-factory default bridge
24V, FIRE	Fire mode, disable all protections until final life fan. Function activated when bridge between terminals done
R, S, T	Output three phase voltage motor 230V
TP, TP	Motor thermal protection, manual reset

Jumper	Function/Technical specification
J5.1	Selection of input IN1, 0-10V/4-20mA sensor, open by default (0-10V)
J5.2	Selection of input IN2, 0-10V/4-20mA sensor, open by default (0-10V)
J5.3	Final selection Modbus network, open by default
J6	Selection of internal tachometer output (referenced to 10V), open by default

