

CBM/3-12/12 8-1000 A E00

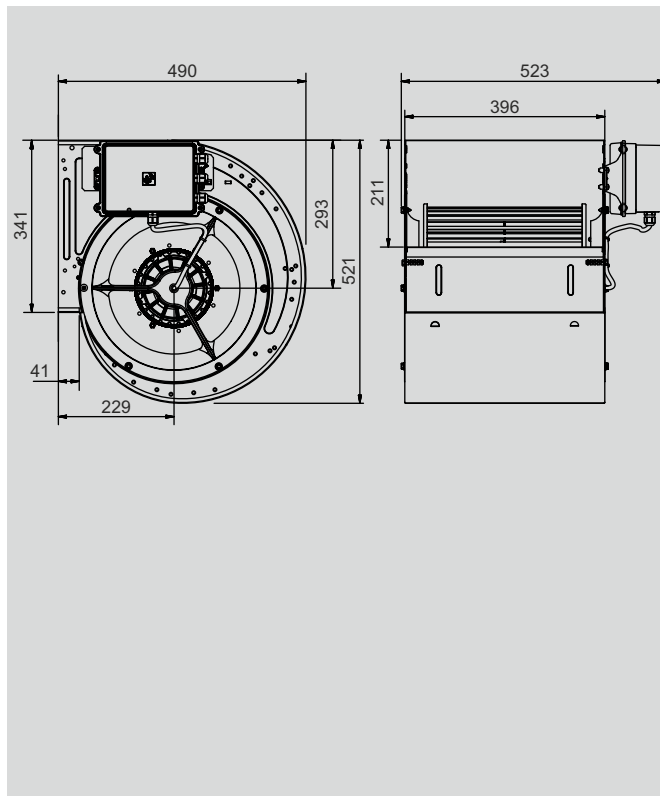
IP55



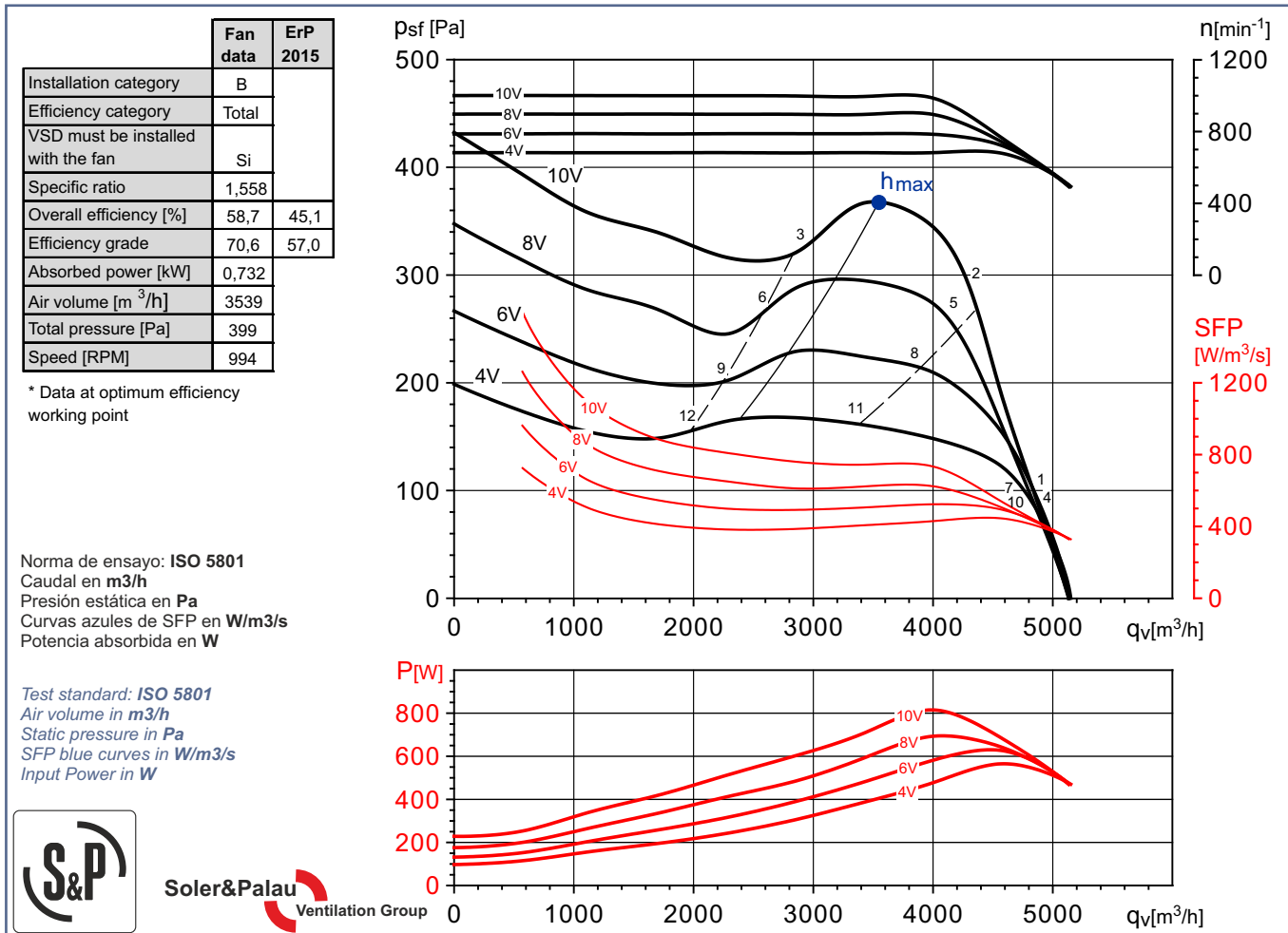
Dimensiones y conexiones
Dimensions and wiring

Características Characteristics

Tensión <i>Voltage</i>	1 ~#230V±10% 50/60Hz
Tipo motor <i>Motor type</i>	EC MOTOR - IP55 cl.B S1
Velocidad máxima <i>Maximum speed</i>	1000 RPM
Potencia absorbida máxima <i>Maximum absorbed power</i>	0,817 kW
Intensidad absorbida máxima <i>Maximum absorbed current</i>	3,5 A
Material turbina <i>Wheel material</i>	Galvanized sheet steel
Temperatura del aire <i>Air temperature</i>	-20°C<T<+40°C
Peso <i>Weight</i>	28,2 kg
Código ventilador <i>Fan code number</i>	5128552200
Código motor <i>Motor code number</i>	9096000930



Curvas características / Performance curves (29/01/2021)



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/3-12/12 8-1000 A E00	10	1000	817	3,5	5130
	8	900	699	2,9	5140
	6	500	634	2,7	5130
	4	490	569	2,4	5150

Características acústicas

Acoustic characteristics

Working point	63	125	250	500	1000	2000	4000	8000	LwA
1 INLET	49	61	66	74	74	75	72	65	80
2 INLET	49	61	66	74	74	75	72	65	80
3 INLET	47	59	64	72	72	73	70	63	78
4 INLET	49	61	66	74	74	75	72	65	80
5 INLET	48	60	65	73	73	74	71	64	79
6 INLET	45	57	62	70	70	71	68	61	76
7 INLET	49	61	66	74	74	75	72	65	80
8 INLET	46	58	63	71	71	72	69	62	77
9 INLET	42	54	59	67	67	68	65	58	73
10 INLET	48	60	65	73	73	74	71	64	79
11 INLET	43	55	60	68	68	69	66	59	74
12 INLET	39	51	56	64	64	65	62	55	70

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

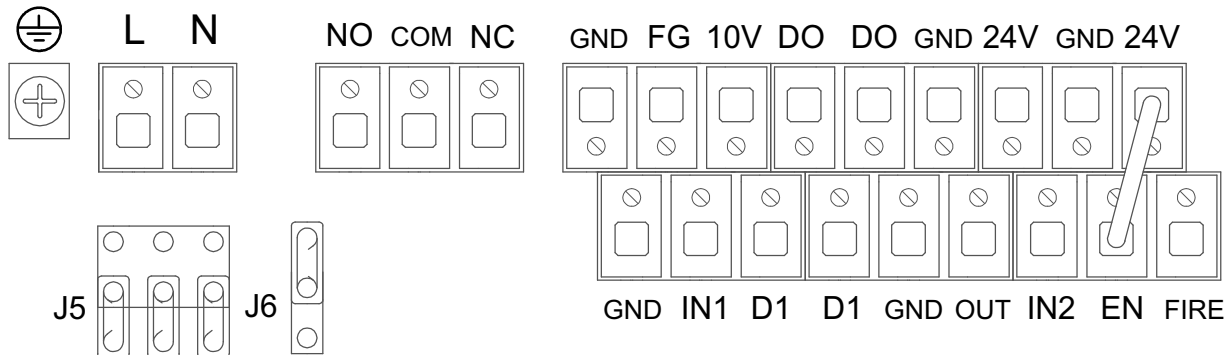


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Terminales
Terminals



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

