

CBM/3-12/12 8-1600 A E00

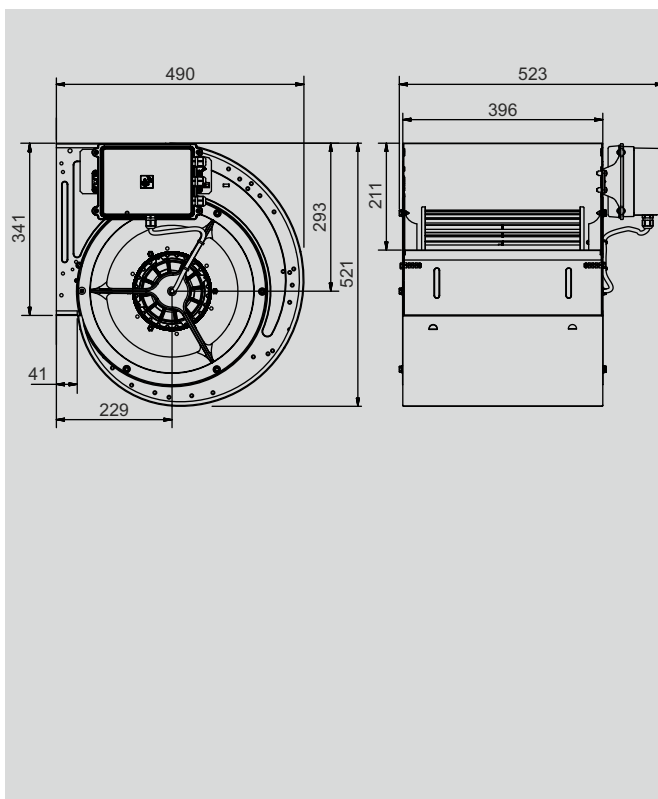
IP55



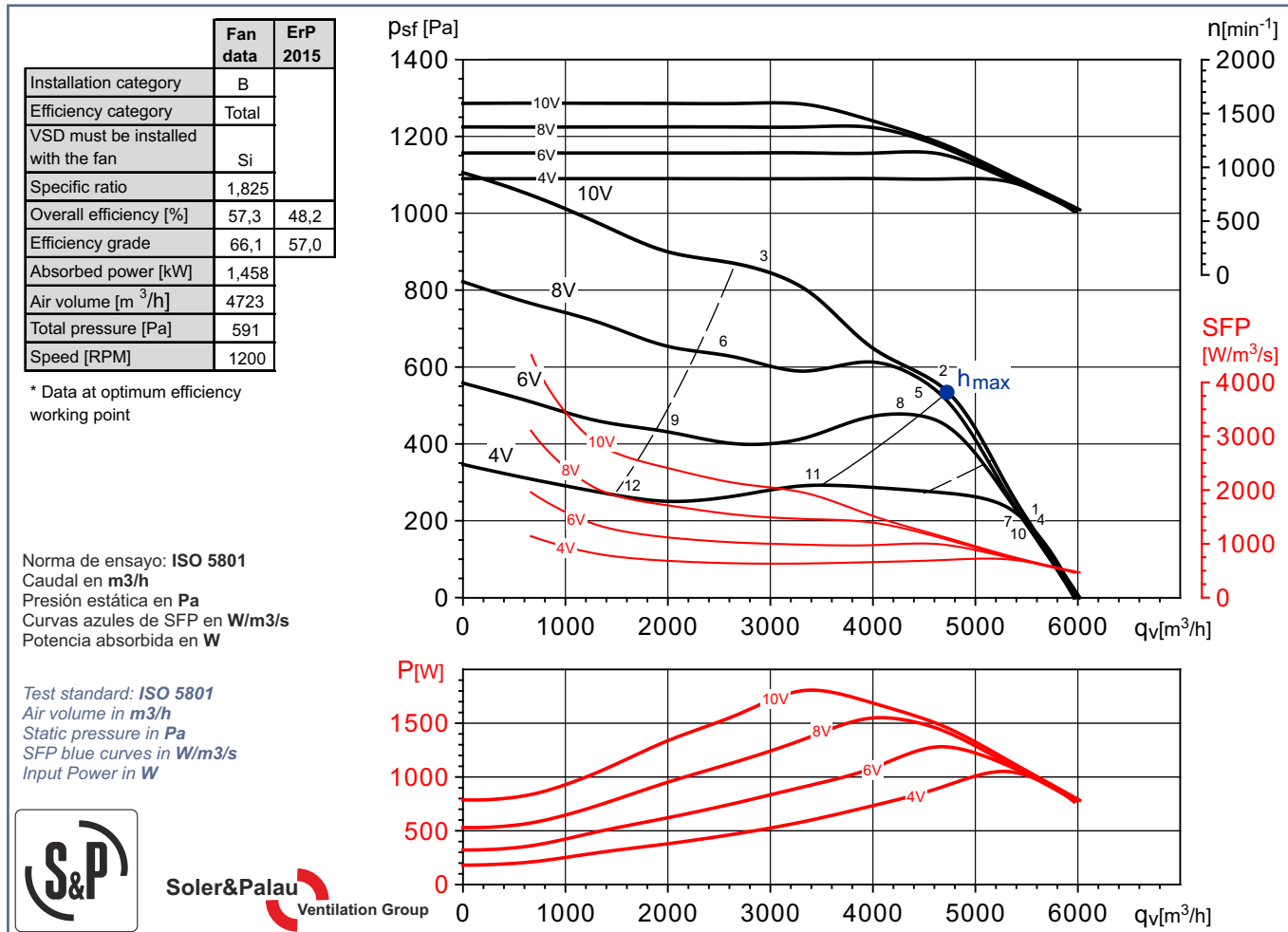
Dimensiones y conexiones
Dimensions and wiring

Características Characteristics

Tensión Voltage	1 ~#230V±10% 50/60Hz
Tipo motor Motor type	EC MOTOR - IP55 cl.B S1
Velocidad máxima Maximum speed	1600 RPM
Potencia absorbida máxima Maximum absorbed power	1,810 kW
Intensidad absorbida máxima Maximum absorbed current	7,6 A
Material turbina Wheel material	Galvanized sheet steel
Temperatura del aire Air temperature	-20°C<T<+40°C
Peso Weight	28,0 kg
Código ventilador Fan code number	5128552300
Código motor Motor code number	9096000932



Curvas características / Performance curves (28/01/2021)



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 8-1600 A E00	10	1600	1810	7,6	6020
	8	1380	1566	6,6	5980
	6	1140	1283	5,4	5960
	4	910	1058	4,5	5960

Características acústicas

Acoustic characteristics

Working point	63	125	250	500	1000	2000	4000	8000	LwA
1 INLET	53	65	70	78	78	79	76	69	84
2 INLET	55	67	72	80	80	81	78	71	86
3 INLET	57	69	74	82	82	83	80	73	88
4 INLET	53	65	70	78	78	79	76	69	84
5 INLET	54	66	71	79	79	80	77	70	85
6 INLET	53	65	70	78	78	79	76	69	84
7 INLET	53	65	70	78	78	79	76	69	84
8 INLET	53	65	70	78	78	79	76	69	84
9 INLET	49	61	66	74	74	75	72	65	80
10 INLET	53	65	70	78	78	79	76	69	84
11 INLET	47	59	64	72	72	73	70	63	78
12 INLET	44	56	61	69	69	70	67	60	75

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

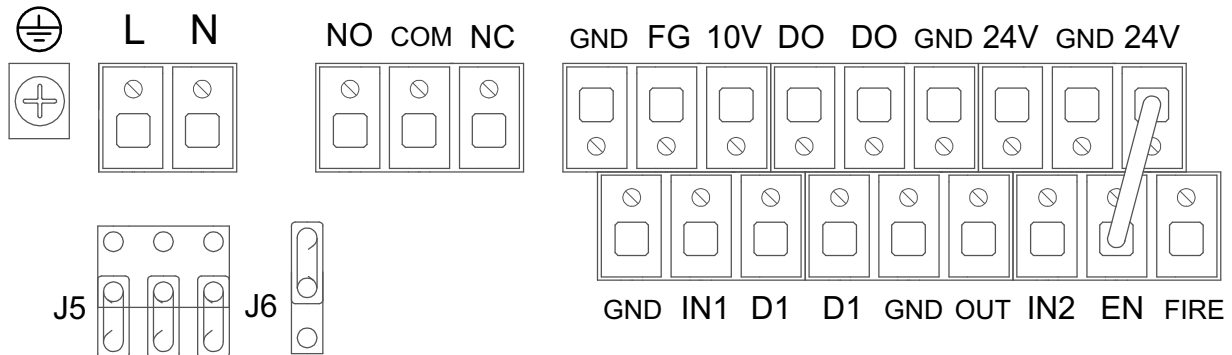


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Terminales
Terminals



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

