

CBM/3-9/9 8-2100 A E00

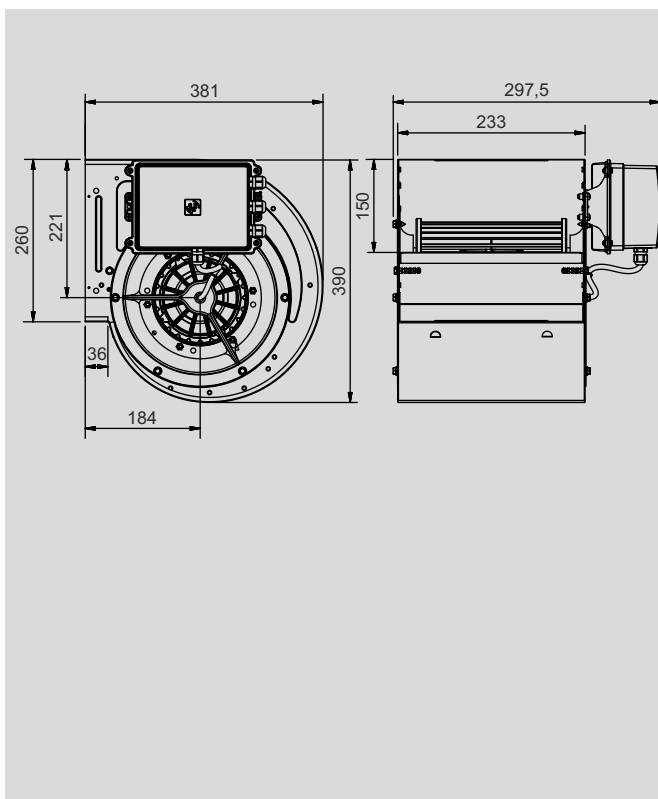
IP55



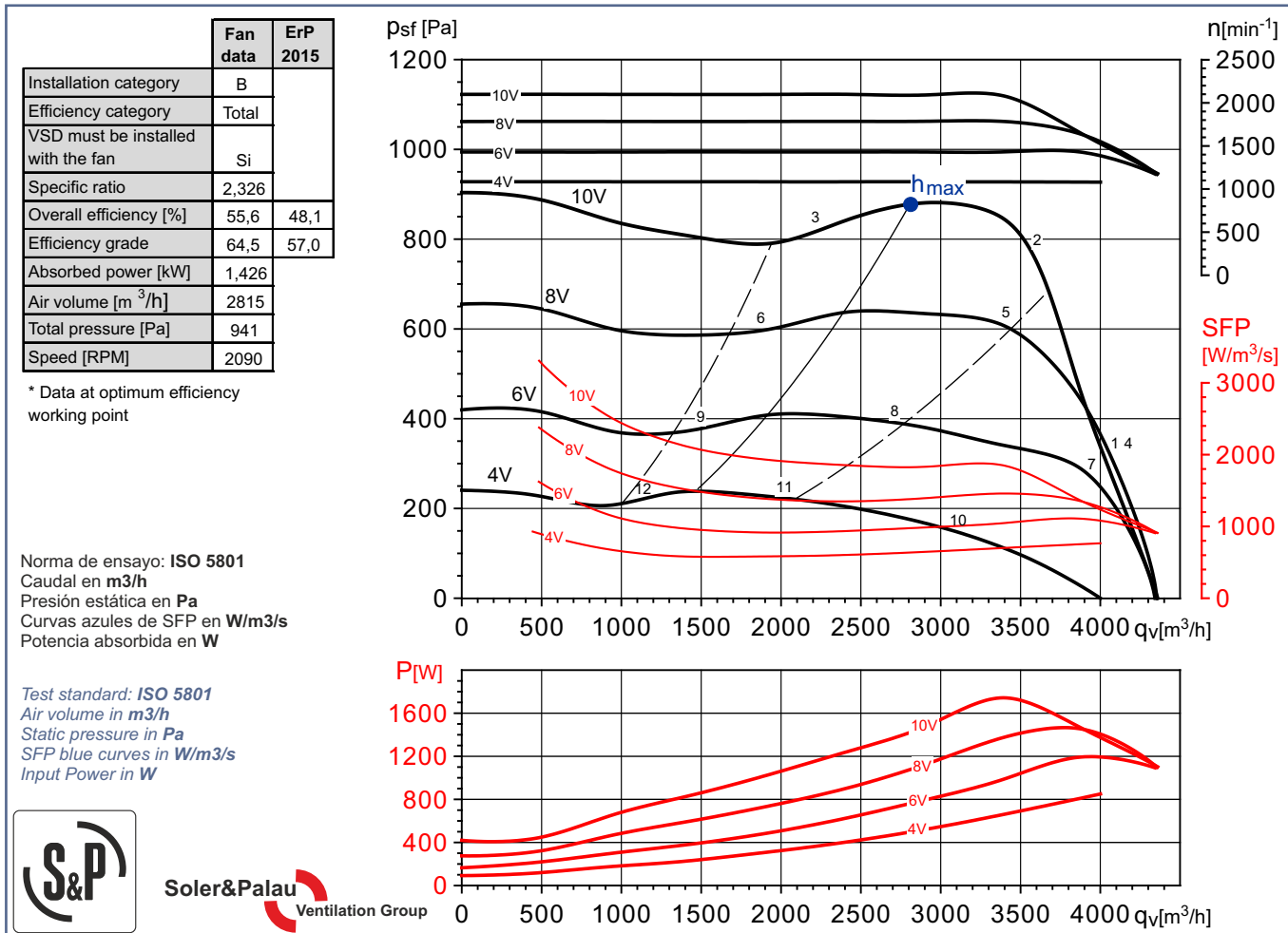
Dimensiones y conexiones
Dimensions and wiring

Características Characteristics

Tensión Voltage	1 ~#230V±10% 50/60Hz
Tipo motor Motor type	EC MOTOR - IP55 cl.B S1
Velocidad máxima Maximum speed	2100 RPM
Potencia absorbida máxima Maximum absorbed power	1,743 kW
Intensidad absorbida máxima Maximum absorbed current	7,3 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	5128552700
Código motor Motor code number	9096000919



Curvas características / Performance curves (03/08/2020)



Soler&Palau
Ventilation Group

CBM/3-9/9 8-2100 A E00

IP55



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 8-2100 A E00	10	2120	1743	7,3	4360
	8	1790	1500	6,3	4350
	6	1440	1236	5,1	4340
	4	1090	850	3,6	4000

Características acústicas

Acoustic characteristics

Working point	63	125	250	500	1000	2000	4000	8000	LwA
1 INLET	58	68	77	80	85	84	81	72	89
2 INLET	58	68	77	80	85	84	81	72	89
3 INLET	56	66	75	78	83	82	79	70	87
4 INLET	58	68	77	80	85	84	81	72	89
5 INLET	56	66	75	78	83	82	79	70	87
6 INLET	53	63	72	75	80	79	76	67	84
7 INLET	57	67	76	79	84	83	80	71	88
8 INLET	51	61	70	73	78	77	74	65	82
9 INLET	47	57	66	69	74	73	70	61	78
10 INLET	51	61	70	73	78	77	74	65	82
11 INLET	45	55	64	67	72	71	68	59	76
12 INLET	41	51	60	63	68	67	64	55	72

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

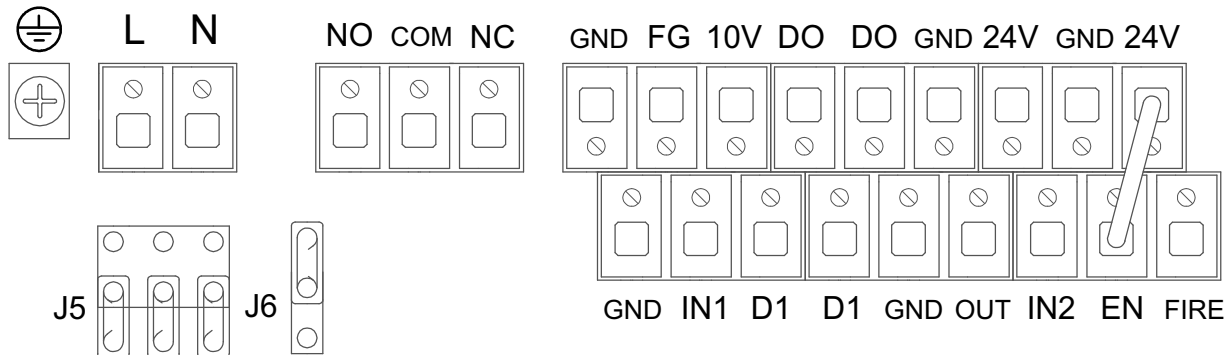


CBM/3-9/9 8-2100 A E00

IP55



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

