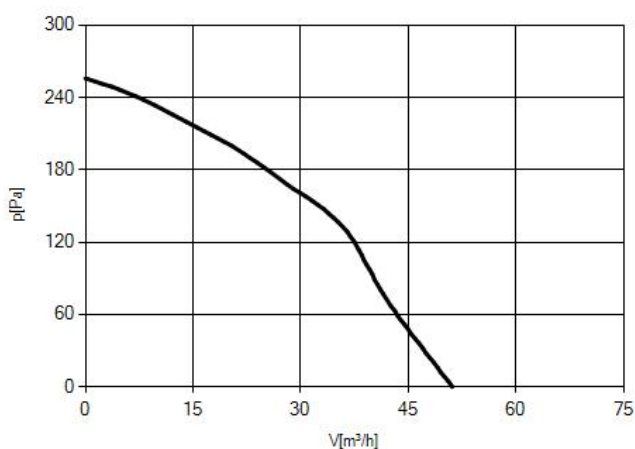




AB1212HB-Y0B

Air performance



Single wires AWG26, tinned
VCC = red GND = black FG = black PWM = blue
No obstruction within 1mm of air intake

Certifications	CE / UL / CA
U [V DC]	12 [V]
I _{typ} [mA]	540 [mA]
I _{max} [mA]	890 [mA]
V _{max} [m³/h]	51,1 [m³/h]
P _{max} [Pa]	255,6 [Pa]
Noise [dB(A)]	52,6 [dB(A)]
Rotation Speed [min ⁻¹]	2600 [min ⁻¹]
Signal / FG [Imp/U]	2 [Imp/U]
PWM	yes
Temp. [°C]	-10 [°C] - 70 [°C]
L10/MTTF @ 40°C [h]	70000 [h] - 350000 [h]
Bearing type	Ball bearing
Weight [kg]	0,251

* Noise and rotation speed are subject to deviations due to tolerance.

ORDER INFORMATION

AB1212HB-Y0B Art.Nr.: 111111808

Technical changes without notice
26.11.2025

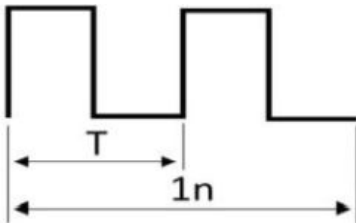
SEPA EUROPE GmbH DE-79427 Eschbach Tel.: +49 7634/59459-0 info@sepa-europe.com



AB1212HB-Y0B

FG

IMPORTANT: The pulse output is not protected against short circuit and must not be connected to GND or VCC without series resistor. A pull-up-resistor is needed. Insulate not used pulse output!



Run: Low=0.3V max High=VCC
Stop: Low or High
 $T = \text{rpm}/60 \cdot [\text{pulses per revolution}]$

PWM

Low=0 up to 0.7V_{max} High=VCC

f=23kHz

Pulse width modulation 30% to 100%

Startup duty cycle minimum 35%

If fan power supply is off, do not input control signals into the PWM terminal!