

Max. 540 m³/h
S-Force

DC axial fans

□ 119 x 38 mm



- **Material:** Housing: Die-cast aluminum
Impeller: GRP¹⁾ (PA)
- **Direction of air flow:** Intake over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22
- **Highlights:** Highly efficient and smoothly operating 3-phase fan drive
Housing with grounding lug for screw M4 x 8 (Torx)
- **Weight:** 425 g

- **Possible special versions:**
(See chapter DC fans - specials)
 - Speed signal
 - Go / NoGo alarm
 - Alarm with speed limit
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input (standard)
 - Analog control input
 - Moisture protection

1) Fiberglass-reinforced plastic

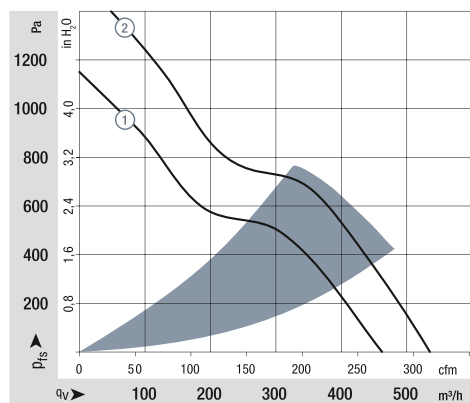
Series 4100 N
High Performance
VUC0119YUJCS

Nominal data

Type	Air flow		Nominal voltage		Voltage range		Sound pressure level	Sound power level	Sintec sleeve bearings	Ball bearings	Power consumption*	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst standard	Service life L ₁₀ (T _{max}) ebm-papst standard	Life expectancy L ₁₀ IPC (40 °C) see page 15	Curve
	m ³ /h	cfm	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	rpm ⁻¹	°C	Hours	Hours	Hours	Hours	Hours	Hours	
4154 N/2 H7P	465	274	24	16...30	77	8.5	■	90	9 500	-20...+75	57 500 / 25 000	97 500	①				
4154 N/2 H8P	540	315	24	16...30	80	8.9	■	120	11 000	-20...+75	55 000 / 22 500	92 500	②				
4158 N/2 H7P	465	274	48	36...72	77	8.5	■	90	9 500	-20...+75	57 500 / 25 000	97 500	①				
4158 N/2 H8P	540	315	48	36...72	80	8.9	■	120	11 000	-20...+75	55 000 / 22 500	92 500	②				

Subject to change

Speed control range from 500 rpm⁻¹ up to maximum nominal speed.
Standstill at 0 % PWM, maximum speed if control cable is interrupted.
To attain the specified service life, an external capacitor must be wired between the plus and minus strands. Please note the wiring suggestion on page 14.
* Power consumption at free air flow, these values can be significantly higher in the operating point.



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 10302 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_{PA} measured at 1 m distance from fan axis.
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.
In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see
<http://www.ebmpapst.com/general-conditions>

