Max. 440 m³/h

DC axial fans

☐ 119 x 38 mm



- **Material:** Housing: Die-cast aluminum
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Intake over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 22 UL 1007, TR 64
- **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
- **Weight:** 390 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
  - Analog control input
  - Moisture protection
  - Salt spray protection
  - Degree of protection:IP 54 / IP 68

1) Fiberglass-reinforced plastic

Series 4100 N
High Performance
VUC0119YUJBS

Nominal data

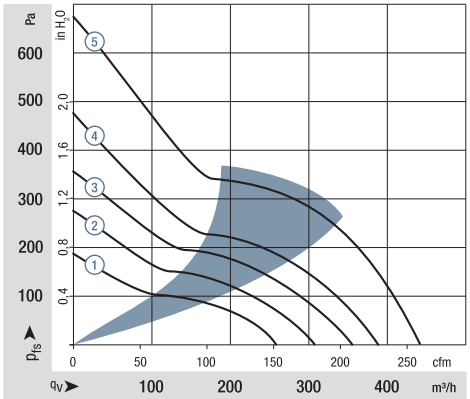
Type	Air flow m³/h	Air flow cfm	Nominal voltage VDC	Voltage range VDC	Sound pressure level dB(A)	Sound power level Bel(A)	Sintec sleeve bearings □ / Ball bearings ■	Power consumption* Watts	Nominal speed rpm⁻¹	Temperature range °C	Service life L_{10} (40 °C) ebm-papst standard Hours	Service life L_{10} (T_{max}) ebm-papst standard Hours	Life expectancy L_{10IPC} (40 °C) see page 15 Hours	Curve
4112 NHH	260	153	**12**	9...15	60	6.8	■	13.3	5 000	-20...+65	70 000 / 40 000		117 500	①
4112 NH3	310	182	**12**	9...15	65	7.2	■	21.6	6 000	-20...+65	65 000 / 37 500		110 000	②
4112 NH4	355	209	**12**	9...14	67	7.4	■	32.0	6 800	-20...+65	62 500 / 35 000		105 000	③
4114 NHH	260	153	**24**	16...30	60	6.8	■	12.4	5 000	-20...+65	70 000 / 40 000		117 500	①
4114 NH3	310	182	**24**	16...30	65	7.2	■	19.5	6 000	-20...+65	65 000 / 37 500		110 000	②
4114 NH4	355	209	**24**	16...30	67	7.4	■	30.0	6 800	-20...+65	62 500 / 35 000		105 000	③
4114 NH5 *S-Force*	390	230	**24**	16...30	70	7.6	■	45.0*	7 500	-20...+65	62 500 / 35 000		105 000	④
4114 NH6 *S-Force*	440	259	**24**	16...30	73	8.1	■	65.0*	8 400	-20...+65	60 000 / 32 500		102 500	⑤
4118 NHH	260	153	**48**	36...60	60	6.8	■	12.0	5 000	-20...+65	70 000 / 40 000		117 500	①
4118 NH3	310	182	**48**	36...60	65	7.2	■	20.0	6 000	-20...+65	65 000 / 37 500		110 000	②
4118 NH4	355	209	**48**	36...60	67	7.4	■	28.0	6 800	-20...+65	62 500 / 35 000		105 000	③
4118 NH5 *S-Force*	390	230	**48**	36...60	70	7.6	■	45.0*	7 500	-20...+65	62 500 / 35 000		105 000	④
4118 NH6 *S-Force*	440	259	**48**	36...60	73	8.1	■	62.0*	8 400	-20...+65	60 000 / 32 500		102 500	⑤

Subject to change

* Power consumption at free air flow. These values can be significantly higher in the operating point.

*** Power consumption – in operation**

Fan type	optimum operating range (W)
4114 NH5	55
4114 NH6	95
4118 NH5	55
4118 NH6	95



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

