

max. 440 m³/h

DC axial fans

Series 4100 N High Performance 119 x 119 x 38 mm

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / GreenTech
EC-Compact fans

AC axial fans

AC centrifugal fans

Accessories

Representatives



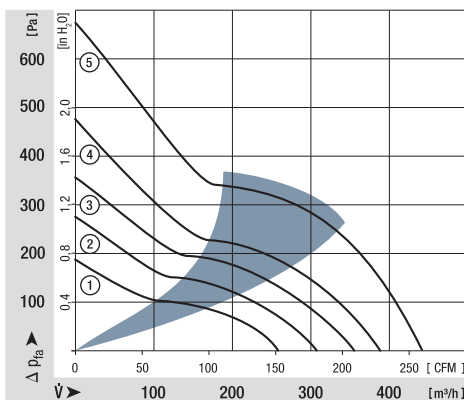
- **Material:** Housing: Die-cast aluminium
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Intake over struts
 - **Direction of rotation:** Clockwise, seen on rotor
 - **Connection:** Via single wires AWG 22 UL 1007, TR 64
 - **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
 - **Mass:** 390 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go / No-go alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analogue control input
 - Protection against moisture
 - Protection against salt fog
 - Type of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

Nominal data	Air flow		Nominal voltage	Voltage range	Sound pressure level		Sound power level	Sintec sleeve bearings Ball bearings	Input power*	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 17	Curve
	m ³ /h	CFM			VDC	VDC									
4112 NHH	260	153	12	9...15	60	6,8	■	13,3	5 000	-20...+65	70 000 / 55 000	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 / 52 500	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 <i>S-Force</i>	390	230	24	16...30	70	7,6	■	45,0*	7 500	-20...+65	62 500 / 35 000	105 000	④		
4114 NH6 <i>S-Force</i>	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 / 52 500	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 <i>S-Force</i>	390	230	48	36...60	70	7,6	■	45,0*	7 500	-20...+65	62 500 / 35 000	105 000	④		
4118 NH6 <i>S-Force</i>	440	259	48	36...60	73	8,1	■	62,0*	8 400	-20...+65	60 000 / 32 500	102 500	⑤		

Subject to alternations

* Input power at free air flow, these values can be significantly higher in the operating point.



* Input power - in operation

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

