

max. 545 m<sup>3</sup>/h  
**S-Force**

## DC axial fans

Series 6300 Ø 172 x 51 mm



- **Material:** Housing: Die-cast aluminium  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Exhaust over struts
  - **Direction of rotation:** Counter-clockwise, seen on rotor
  - **Connection:** Via single wires AWG 22, TR 64
  - **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
  - **Mass:** 910 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

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 <sub>10</sub> (40 °C) ebm-papst Standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst Standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 17	Curve
	m <sup>3</sup> /h	CFM												
6314/2 MP	395	232	24	16...30	51	6,0	■	14	3 700	-20...+75	82 500 / 32 500	140 000	①	
6314/2 NP	470	276	24	16...30	56	6,5	■	23	4 400	-20...+70	80 000 / 40 000	135 000	②	
6314/2 HP	545	320	24	16...30	58	6,9	■	31	5 000	-20...+65	77 500 / 42 500	130 000	③	
6318/2 HP	545	320	48	36...72	58	6,9	■	32	5 000	-20...+65	77 500 / 42 500	130 000	③	

Subject to alternations

Speed control range from 700 rpm up to maximum nominal speed. Stationary at 0 % PWM, maximum speed at sensor break.

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

