

Max. 930 m<sup>3</sup>/h  
**S-Force**

## DC axial fans

Ø 172 x 51 mm



- **Material:** Housing: Die-cast aluminum  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Exhaust over struts
  - **Direction of rotation:** Counterclockwise, 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:** 910 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
    - Multi-option control input
    - Moisture protection
    - Salt spray protection
    - Degree of protection: IP 54

1) Fiberglass-reinforced plastic

Series 6300 TD

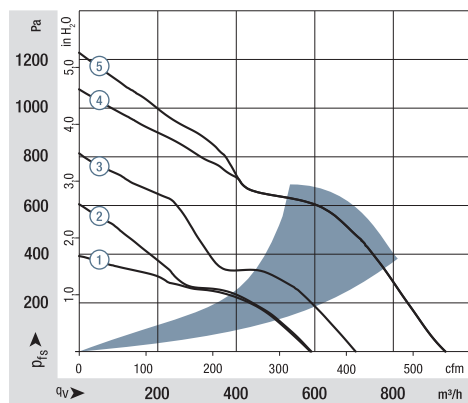
Nominal data

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 <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> (IP)C (40 °C) see page 17	Curve
	m <sup>3</sup> /h	cfm												
6312/2 TDHP	600	353	12	8...16	60	7.3	■	40	5 500	-20...+70	75 000 / 37 500	127 500	②	
6314/2 TDHP-298	600	353	24	16...30	60	7.3	■	42	5 500	-20...+65	75 000 / 42 500	127 500	①	
6314/2 TDHP	600	353	24	16...36	60	7.3	■	40	5 500	-20...+75	75 000 / 30 000	127 500	②	
6314/2 TDHHP	710	418	24	16...36	69	7.9	■	67	7 000	-20...+75	62 500 / 25 000	105 000	③	
6314/2 TDH4P	930	545	24	16...36	75	8.4	■	150	9 200	-20...+75	52 500 / 20 000	87 500	⑤	
6318/2 TDHP-299	600	353	48	36...60	60	7.3	■	42	5 500	-20...+65	75 000 / 42 500	127 500	①	
6318/2 TDHP	600	353	48	36...72	60	7.3	■	40	5 500	-20...+75	75 000 / 30 000	127 500	②	
6318/2 TDHHP	710	418	48	36...72	69	7.9	■	67	7 000	-20...+75	62 500 / 25 000	105 000	③	
6318/2 TDH4P	930	545	48	36...72	75	8.4	■	150	9 200	-20...+75	52 500 / 20 000	87 500	④	

Subject to change

Speed control range from 1000 rpm<sup>-1</sup> up to maximum nominal speed.  
Standstill at 0% PWM, maximum speed if control cable is interrupted.

\* 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)
6318/2 TDHHP	115
6318/2 TDH4P	270

Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> 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>

