

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

## DC axial fans

Series 6300 TD 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 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22
- **Highlights:** 3-phase fan drive with very smooth running and high efficiency. Housing with grounding lug for screw M4 x 8 (Torx) 910 g
- **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
  - Multi-option control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

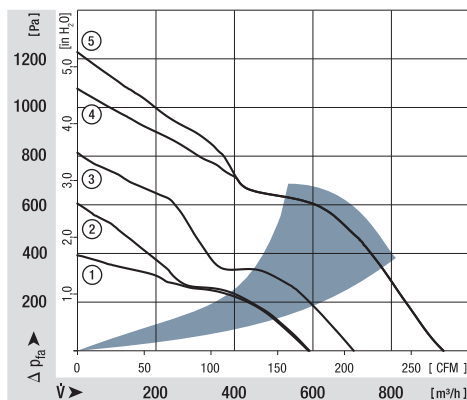
1) Fibreglass-reinforced plastic

Nominal data		Air flow	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
Type		m <sup>3</sup> /h	CFM	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm	°C	Hours	Hours	Hours	Curve
6312/2 TDHP		600	353	12	8...16	60	7,3	■	40	5 500	-20...+70	75 000 / 37 500	127 500	127 500	②
NEW 6314/2 TDHP-298		600	353	24	16...30	60	7,3	■	42	5 500	-20...+65	75 000 / 42 500	127 500	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	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	105 000	③
NEW 6314/2 TDH4P		930	545	24	16...36	75	8,4	■	150	9 200	-20...+75	52 500 / 20 000	87 500	87 500	⑤
NEW 6318/2 TDHP-299		600	353	48	36...60	60	7,3	■	42	5 500	-20...+65	75 000 / 42 500	127 500	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	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	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	87 500	④

Subject to alternations

Speed control range from 1000 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.



\* Input power - in operation

Fan type	optimum operating range (W)
6318/2 TDHHP	115
6318/2 TDH4P	270

