

Max. 670 m³/h
S-Force

DC axial fans

□ 140 x 51 mm



- **Material:** Housing: Die-cast aluminum
Impeller: GRP¹⁾ (PA)
- **Direction of air flow:** Intake over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** Via single wires AWG 20 and AWG 22, TR 64
- **Highlights:** 3-phase fan drive with very smooth operation
Housing with grounding lug for screw M4 x 8 (Torx)
- **Weight:** 900 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
 - Multi-option control input
 - Moisture protection
 - Salt spray protection
 - Degree of protection: IP 54

1) Fiberglass-reinforced plastic

Series 5300 TD

Nominal data

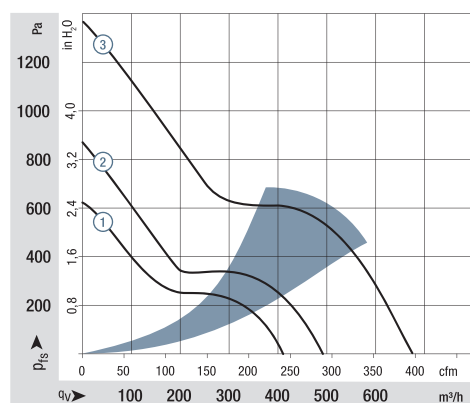
Series 5300 TD											Service life L ₁₀ (40 °C) ebm-papst standard	Service life L ₁₀ (T _{max}) ebm-papst standard	Life expectancy L ₁₀ IPC (40 °C) see page 17	Curve
Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Power consumption*	Nominal speed	Temperature range				
Type	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm ⁻¹	°C	Hours	Hours		
5312/2 TDHP	410	241	12	8...16	70	7.7	■	43	6 000	-20...+70	70 000 / 35 000	117 500	①	
5314/2 TDHP	410	241	24	16...36	70	7.7	■	42	6 000	-20...+70	70 000 / 35 000	117 500	①	
5314/2 TDHHP	490	288	24	16...36	75	8.1	■	67	7 000	-20...+70	62 500 / 30 000	105 000	②	
5318/2 TDHP	410	241	48	36...72	70	7.7	■	42	6 000	-20...+70	70 000 / 35 000	117 500	①	
5318/2 TDHHP	490	288	48	36...72	75	8.1	■	66	7 000	-20...+70	62 500 / 30 000	105 000	②	
5318/2 TDH4P	670	394	48	36...72	79	8.8	■	149	9 200	-20...+65	57 500 / 32 500	97 500	③	

Subject to change

Speed control range from 1000 rpm⁻¹ 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.



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 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>

