Max. 1100 m³/h

S-Force

DC diagonal fan

Ø 172 x 51 mm



- **Material:** Housing: Die-cast aluminum
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** (+) and GND: AWG 18, UL 1007, TR 64; speed and alarm signal: AWG 22, UL 1007, TR 64
- **Highlights:** Highly efficient and smoothly operating 3-phase fan drive
  Housing with grounding lugfor screw M4 x 8 (Torx)
- **Weight:** 1050 g

1) Fiberglass-reinforced plastic

- **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

Series DV 6300 TD

Nominal data

Type	Air flow m³/h	Air flow cfm	**Nominal voltage** VDC	Voltage range VDC	Sound pressure level dB(A)	Sound power level Bel(A)	Sintec sleeve bearings □ / Ball bearings ■	Power consumption Watts	Nominal speed rpm⁻¹	Temperature range °C	Service life L_{10} (40 °C) ebm-papst standard Hours	Service life L_{10} (T_{max}) ebm-papst standard Hours	Life expectancy L_{10IPC} (40 °C) see page 17 Hours	Curve
DV 6318/2 TDHP*	630	371	**48**	36…72	68	7.6	■	75	4000	-20…+65	70 000	40 000	117 500	①
DV 6318/2 TDHHP*	770	453	**48**	36…72	73	8.0	■	135	4900	-20…+65	60 000	32 500	102 500	②
DV 6318/2 TDH4P	1050	617	**48**	36…72	77	8.7	■	300	6500	-20…+65	50 000	27 500	85 000	③
DV 6318/2 TDH5P**	1100	647	**48**	36…72	79	8.9	■	360	6800	-20…+65	40 000	22 500	67 500	④

Subject to change

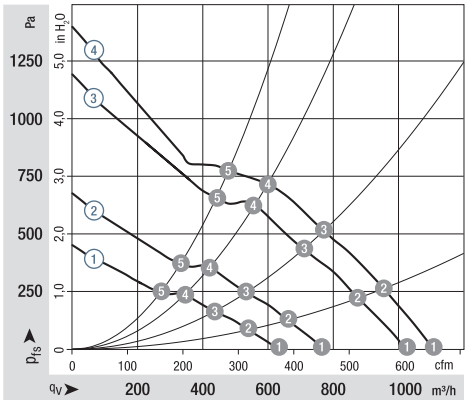
* On request

** Rotor protrusion a = 3 mm

Speed control range from 1000 rpm⁻¹ up to maximum nominal speed. Standstill at 0% PWM, maximum speed if control cable is interrupted.
The fan has an acceleration of up to 30% that produces a smoother curve.

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (65 °C)	L_{10IPC} (40 °C)
①	❶	4000	65,5	79	70 000	40 000	117 500
①	❷	3835	64,5	78	72 500	40 000	122 500
①	❸	3815	64,5	76	75 000	42 500	127 500
①	❹	3930	65	76	77 500	42 500	130 000
①	❺	4240	66	79	77 500	42 500	130 000
②	❶	4900	120	83	60 000	32 500	102 500
②	❷	4690	119	82	67 500	37 500	115 000
②	❸	4670	119	80	72 500	40 000	122 500
②	❹	4870	120	81	75 000	42 500	127 500
②	❺	5190	121	85	75 000	42 500	127 500

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (65 °C)	L_{10IPC} (40 °C)
③	❶	6500	280	90	50 000	27 500	85 000
③	❷	6230	275	89	62 500	35 000	105 000
③	❸	6200	280	88	70 000	40 000	117 500
③	❹	6450	281	88	72 500	40 000	122 500
③	❺	6900	283	92,5	72 500	40 000	122 500
④	❶	6950	345	92	40 000	22 500	67 500
④	❷	6720	345	91	57 500	32 500	97 500
④	❸	6630	345	89,5	62 500	35 000	105 000
④	❹	6850	345	89	67 500	37 500	115 000
④	❺	7300	345	94	72 500	40 000	122 500



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

