

max. 900 m<sup>3</sup>/h

# DC axial fans

Series 6400 TD TURBOFAN 172 x 150 x 51 mm



### Highlights:

- 3-phase fan drive with high degree of running smoothness.
- Very rigid compression curve for high air flow at high back pressure.
- Control inputs, alarm and speed signals available on request.
- Optionally available with reversible speed.

### General characteristics:

- Material: aluminium housing, fibreglass-reinforced PA impeller; housing with grounding lug for screw M4 x 8 (Torx). 48 V version incl. screws.
- Fully integrated electronic commutation.
- Connection via single strands AWG 22, TR 64. Bared and tin-plated.
- Air exhaust over struts. Direction of rotation counter-clockwise, seen on rotor. Direction of rotation reversible.
- Mass: 760 g.

Nominal data		Air flow		Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Power input	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> Δ (40 °C) see P. 15	Curve	Specials
Type	m <sup>3</sup> /h	CFM	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	RPM	°C	Hours	Hours	Hours	P.		
min max	6424 TD...	90 600	53,0 353,1	24	16...28	18 65	— 7,4	■	2,0 50,0	800 5 100	-20...+60	70 000 / 45 000	110 000	1 2		
min max	6448 TD...	90 600	53,0 353,1	48	40...55*	18 65	— 7,4	■	2,0 50,0	800 5 100	-20...+60	70 000 / 45 000	110 000	1 2	P. 110-116 and 120, 121,123	
min max	6448 TDHH...	90 900	53,0 529,7	48	36...72	18 78	— 8,6	■	2,0 163,0	800 7500	-20...+60	70 000 / 45 000	110 000	1 3	P. 110-116 and 120, 121,123	

\*Fan with extended voltage range available on request.

Models DV 6224 TD... and DV 6248 TD... are available in customer-specific, custom-developed variants only.

The data specified here are technically feasible benchmark values. The fans can be specially adapted to your application with signal outputs and control inputs.

For details of the technical possibilities, refer to the chapters on the sensor signal, alarm signal and control inputs beginning on page 108.

