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Nominal data

Type	6448 TD	
Nominal voltage	VDC	48
Nominal voltage range	VDC	40 .. 55
Speed (rpm)	min ⁻¹	5100
Power consumption	W	50
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	60
Air flow	m ³ /h	600
Sound power level	B	7.4
Sound pressure level	dB(A)	65

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



Technical description

General description	3-phase fan drive with very smooth operation and high efficiency Housing with grounding lug for M4 x 8 screw (Torx) Power consumption when wide open; these values may be considerably higher at the operating point.
Weight	0.760 kg
Dimensions	172 x 150 x 72 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Die-cast aluminum
Airflow direction	Exhaust over struts
Direction of rotation	Counterclockwise, viewed toward rotor
Storage	Ball bearing
Service life L10 at 40 °C	70000 h
Service life L10 at maximum temperature	45000 h
Cable	With leads AWG 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22
Motor protection	Protection against reverse polarity and blocked rotor.
Option	Control inputs and alarm and speed signals.



Technical drawing of the fan assembly showing dimensions and tolerances:

- Overall height: $150 \pm 0,5$
- Top flange thickness: 6 ± 1
- Flange width: 365 ± 10
- Flange thickness: $4,3 \pm 0,15$
- Flange diameter: $\varnothing 171,5 \pm 0,5$
- Flange thickness: $50,8 \pm 0,3$
- Flange diameter: $\varnothing 162 \begin{smallmatrix} +0,15 \\ -0,3 \end{smallmatrix}$
- Flange diameter: $\varnothing 166$
- Flange thickness: $4,5 \pm 0,2$