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Nominal data

Type	6448 TDHH	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 72
Speed (rpm)	min ⁻¹	7500
Power consumption	W	163
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	60
Air flow	m ³ /h	900
Sound power level	B	8.6
Sound pressure level	dB(A)	78

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



Technical description

General description	Power consumption when wide open; these values may be considerably higher at the operating point.
Weight	0.760 kg
Dimensions	172 x 150 x 51 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Aluminum. Housing with grounding lug for M4 x 8 screw (Torx). 48 V design incl. screws.
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	Leads AWG 22, TR 64, stripped and tin-plated.
Motor protection	Protection against reverse polarity and blocked rotor.
Approval	VDE, CSA, UL
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: $4,5 \pm 0,2$

Curves: Air performance

