

DELFIN · II 3D EX H TC III C T80°C (INT)/T165°C (EXT) DC

Delfin ZFR 75



The Delfin ZFR 75 is the top model in the Zefiro family: an ATEX-certified three-phase industrial vacuum with a reinforced side-channel blower and 100-litre container. With 4 kW power it delivers the highest vacuum in the series (3600 mmH²O peak / 2900 mmH²O with HEPA), and is self-certified per EN 17348:2022 in category 3D. Suited to larger productions and heavy collection tasks in Zone 22.

APPLICATIONS

- Larger ATEX Zone 22 production halls requiring high vacuum
- Central-vacuum solution for process plants and multiple suction points
- Collection of heavy or dense dust (metal shavings, powder metallurgy)
- Longer hose runs and multiple suction points on a single unit
- Wood and MDF industry with high production capacity and ATEX Zone 22

Technical specifications

ATEX marking	II 3D Ex h tc IIIC T80°C (Int)/T165°C (Ext) Dc
Internal / external zone	22 / 22
Motor type	Sidekanalblæser, 3-faset, forstærket
Airflow	318 m³/h
Vacuum	353 mbar (3600 mmH ₂ O)
Container	100 L
Sound pressure	76 dB(A)
Filter class	H class
Filter type	Klasse H HEPA, 26.000 cm² filterflade, H14-efficiens (99,995 % MPPS, EN 1822-5)
Primary filter	Stjerne/taske antistatisk polyester M, 30.000-500 cm²-mm
Collection system	Synthetic safebag
Material	Lakeret stålkonstruktion
IP class	IP65
Power	4.0 kW
Current	6.5 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 80 mm
Dimensions (L x W x H)	790 x 660 x 1900 mm
Weight	110 kg

Questions and answers

Why choose the ZFR 75 over the ZFR EL TR?

The ZFR 75 has a 4 kW motor (vs 3 kW on the ZFR EL TR), 600 mmH²O higher vacuum and a 100 L container (vs 60 L). It is the right choice for heavier dust, longer hose runs or higher operating hours -- but also requires three-phase 400 V and extra space.

How large is the container?

The ZFR 75 has a 100 L dust container -- twice as large as the ZFR EL MN/TR (60 L). Collection uses a synthetic safebag, so bag changes can occur without contact with the dust. Endless bag is not available on this model.

How much current does the ZFR 75 draw?

4 kW power at 400 V three-phase results in a current draw of 6.5 A -- the same as the ZFR EL TR despite the higher power, because three-phase load distributes current evenly across three phases. A standard industrial 16 A outlet normally covers this fully.

Can the ZFR 75 be used as a central vacuum?

Yes. The 100 L container and 3600 mmH²O peak vacuum make it well-suited to central installations where multiple suction points or longer pipe runs must be covered. The prerequisite is that the system is designed with appropriate pipe sizes and air distribution per Delfin's guidelines.

Contact and advisory

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