

DELFIN · CE ACD -- OVERHOLDER IEC 60335-2-69 ANNEX AA (IKKE ATEX-MAERKET) -- H-KLASSE HEPA H14 (EN 1822-5, 99,995 % MPPS)

## Delfin DG 300 HD ACD



The Delfin DG 300 HD ACD is the high-flow version in the 300 range -- a 25 kW three-phase side-channel blower delivering 2050 m<sup>3</sup>/h airflow and 3100 mmH<sub>2</sub>O vacuum (with safety valve installed) for large production halls with combustible dust outside ATEX-classified zones. The 220 L detachable tank is designed for fork-lift handling, and the AUT system automatically shakes the primary filter between cycles with no need for manual shaking. The entire range is certified to IEC 60335-2-69 Annex AA so the dust tank is treated as internal Zone 20 regardless of the surrounding environment.

### APPLICATIONS

- Large-scale metalworking with combustible grinding dust (aluminium, magnesium, titanium)
- Woodworking and panel manufacturing with MDF and fine particle dust
- Large-volume food production (flour, sugar, dry-milk dust)
- Battery and electronics manufacturing with combustible fine powder in high volumes
- Stationary installations requiring 24/7 operation and high airflow

# Technical specifications

<b>ATEX marking</b>	CE ACD -- overholder IEC 60335-2-69 Annex AA (ikke ATEX-mærket) -- H-klasse HEPA H14 (EN 1822-5, 99,995 % MPPS)
<b>Internal / external zone</b>	20 / ikke-ATEX
<b>Motor type</b>	Sidekanalblæser, 3-faset (trifase) -- 25 kW
<b>Airflow</b>	2050 m³/h
<b>Vacuum</b>	304 mbar (3100 mmH <sub>2</sub> O)
<b>Container</b>	220 L
<b>Sound pressure</b>	78 dB(A)
<b>Filter class</b>	H class
<b>Filter type</b>	Klasse H HEPA H14, 103.500 cm² filterflade (99,995 % MPPS, EN 1822-5)
<b>Primary filter</b>	Polyester klasse M stjerne-/taskefilter (120.000 cm², 780 mm diameter, Polyester ANT M)
<b>Cleaning system</b>	AUT -- automatisk filterafbankning ved driftsophold
<b>Collection system</b>	Detachable container
<b>Material</b>	Lakeret staalkabinet som standard, rustfrit stål AISI 304 som option
<b>IP class</b>	IP65
<b>Power</b>	25.0 kW
<b>Current</b>	46.0 A
<b>Voltage</b>	400 V / 50 Hz / 3~
<b>Inlet</b>	Diameter 120 mm
<b>Dimensions (L x W x H)</b>	950 x 1800 x 2200 mm
<b>Weight</b>	810 kg

# Questions and answers

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## Can the DG 300 HD ACD be used in an ATEX Zone 22?

No. All DG 300 ACD are certified to IEC 60335-2-69 Annex AA and may only be used in areas that are NOT ATEX-classified. For Zone 22 choose an ATEX-certified model.

## What is the difference between HD and SE?

HD delivers high airflow (2050 m<sup>3</sup>/h) with moderate vacuum (3100 mmH<sub>2</sub>O) -- choose HD for large volumes of lighter dust and long hose runs. SE delivers high vacuum (4400 mmH<sub>2</sub>O) at lower flow (1100 m<sup>3</sup>/h) -- choose SE for compact heavy dust and high resistance.

## How does the AUT filter cleaning work?

AUT (Automatic) shakes the star filter automatically between cycles without operator intervention. It differs from the PN system in not requiring compressed air -- AUT uses a mechanical shaking mechanism.

## Is it mobile despite 810 kg?

Yes -- integrated wheels allow limited relocation, and built-in fork-lift pockets permit safe lifting during tank changes. For true daily mobility it is recommended placed stationary and connected to fixed piping.

# Contact and advisory

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## PARTICULAIR

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