

TIGER-VAC · II 1/3D EX H TC IIIC T85 C DC IP6X (EXTERNAL) -- EX H IIIC T85 C DA (INTERNAL) -- -5 C ≤ TA ≤ +37 C -- EN 17348 DT -- LCIE 15 ATEX 3061 -- IECEx LCIE 15.0048

Tiger-Vac C-10 EX (2+2W) MR BLSD



The Tiger-Vac C-10 EX (2+2W) MR BLSD is the Middle Ring version of the C-10 EX 2+2W platform -- same ATEX II 1/3D marking, same BLSD motor (216 m³/h, 1100 W, 72 dB(A)) and same 2+2 wheel cart, but optimised for safe disposal of combustible or CMR-classified dust. The Middle Ring system holds a conductive poly-liner in place inside the tank during the suction cycle, and at disposal the draw string is tied so the whole bag can be lifted out without releasing dust. The unit is about 20 cm taller than the standard 2+2W (119 cm vs 99 cm) and 10.5 kg heavier because of the Middle Ring construction and extra cart rigidity. The rest of the package is identical: 4 HEPA H14 filters, 3,480 cm² main filter, full SD tool kit.

APPLICATIONS

- Asbestos abatement in process production with Zone 20 internal protection
- Pharma CMR substances (cytostatics, hormones) with safe disposal
- Lead, silica and quartz dust where draw-string disposal prevents dust release
- Continuous operation with brushless motor and longer service intervals
- Lithium electrode dust and battery factories where safe disposal is critical

Technical specifications

ATEX marking	II 1/3D Ex h tc IIIC T85 C Dc IP6X (External) -- Ex h IIIC T85 C Da (Internal) -- -5 C <= Ta <= +37 C -- EN 17348 DT -- LCIE 15 ATEX 3061 -- IECEx LCIE 15.0048
Internal / external zone	20 / 22
Motor type	1-faset brushless BLSD-motor (1100 W / 1,1 kW / 8 A) -- forlænget motor-levetid og lavere termisk overflade (T85 C)
Airflow	216 m ³ /h
Vacuum	220 mbar (2250 mmH ₂ O)
Container	38 L
Sound pressure	72 dB(A)
Filter class	H class
Filter type	HEPA H14 (EN 1822, 99,99 % MPPS), individuelt fabriks-testet -- 4 x HEPA-filtre i kabinettet (212304B-HD, 215372, 211854) -- 20.253 cm ² filterflade
Primary filter	Hovedfilter PTFE/Epitropic polyester SD* m/stainless steel bands (218627 eller 215393-SD afhængigt af model)
Cleaning system	Ingen aktivt rens-system
Collection system	Detachable container
Material	AISI 430 rustfri stål kabinet (AISI 304 tank som tilvalg på 4W EU-versionen)
IP class	IP6X
Power	1.1 kW
Current	8 A
Voltage	220-240 V / 50-60 Hz / 1~
Inlet	Diameter 60 mm
Dimensions (L x W x H)	690 x 510 x 1190 mm
Weight	35 kg

Questions and answers

What does II 1/3D mean on this machine?

II 1/3D means category 1 internally and category 3 externally -- the highest protection level (Da) inside the collection tank and the lowest on the outer housing (Dc). In practice: the unit can recover from Zone 20 (dust continuously present) even though the powerhead itself sits in Zone 22 (dust rarely present). That is the typical ATEX housekeeping configuration in process production -- recovery happens at a hazardous point while the operator stays in the less hazardous area.

What is the benefit of the BLSD motor?

BLSD = Brushless. The model delivers 1100 W / 1.1 kW / 8 A and 216 m³/h at 2250 mmH₂O. The brushless motor has no carbon brushes, which extends life by about 4-5x (typically 5000 hours versus 1000-1500 hours for a universal motor) and gives a lower surface temperature (T85 C vs T200 C). This also means lower dust-ignition risk and 3rd party certified EN 17348 DT compliance. Plus: no carbon dust from brushes in the internal air path.

What is the HEPA H14 setup on this model?

Every unit is supplied with 4 individually factory-tested HEPA H14 filters in the housing (212304B-HD as primary HEPA, 215372 and 211854 as tertiary). Total filter area is 20,253 cm² -- about 2 m². The class is H14 per EN 1822, equivalent to 99.995 % MPPS (Most Penetrating Particle Size). That is the requirement EN 17348 DT places on ATEX vacuums for combustible dust including asbestos, lead and pharma CMR substances.

Can it pick up liquids?

No. The entire C series is certified EN 17348 DT -- dry recovery only. For wet/dry recovery in Zone 20/22, a dedicated WD model must be used, such as the CD-63L EX (W&D;) variants. For liquid recovery in ATEX Kombi zones (II 2GD), see the ATEX-12A (4W) or (2+2W).

Contact and advisory

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