

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 (4W) EU EN17348 BLSD



The Tiger-Vac C-10 EX (4W) EU EN17348 BLSD is Tiger-Vac's EN 17348-certified 4-wheel dolly variant of the C-10 EX platform in BLSD configuration. This is the variant Thomas recommends -- 19 L disposable filter bag as the recovery medium, 4-wheel dolly at 93 cm tall, and a BLSD motor (1100 W / 1.1 kW / 8 A) delivering 216 m³/h at 2250 mmH₂O and 72 dB(A). Marked II 1/3D Ex h tc IIIC T85 C Dc IP6X (External) / Ex h IIIC T85 C Da (Internal), EN 17348 DT compliance and IECEx LCIE 15.0048 3rd party certificate. AISI 430 tank as standard, AISI 304 tank available as an option (111805B-304 configuration, +3 kg in weight).

APPLICATIONS

- Process production where an EN 17348 DT-certified 4-wheel dolly is preferred
- ATEX housekeeping with a fixed 4-wheel platform (more stable than 2+2 cart on rough floor)
- Asbestos, lead and pharma CMR dust with a 19 L disposable bag for fast shift change
- Sites where an AISI 304 tank is required (chloride exposure or chemically aggressive environment)
- General housekeeping in 3D printing and additive manufacturing facilities

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	19 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)	430 x 430 x 930 mm
Weight	24 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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