

ATEX • ZONE 22 / ZONE 20

Tiger-Vac C-10 EX (4W) EU

Compact and certified for ATEX Zone 22 — with internal protection rated for Zone 20

- Third-party certified by LCIE — category 1/3D
- Collection tank interior certified for Zone 20 (Da)
- Light and easy to manoeuvre — 24 kg on four wheels
- 194 m³/h airflow and 2,504 mmH₂O vacuum pressure
- Four variants including EN 17348, AISI 304 and BLSD motor



Tiger-Vac C-10 EX (4W) EU — ATEX Zone 22 industrial vacuum cleaner

ATEX 2014/34/EU — Category II 1/3D · LCIE 15 ATEX 3061 · IECEx LCIE 15.0048 · EN 17348 DT · Machinery Directive 2006/42/EC

Quick facts	
Category	II 1/3D
External zone	Zone 22
Internal zone	Zone 20 (Da)
Certificate	LCIE 15 ATEX 3061
IECEX	IECEX LCIE 15.0048
Power	1.2 kW
Airflow	194 m³/h
Vacuum pressure	2,504 mmH ₂ O
Tank	19 L
Weight	24 kg
Sound	72 dB(A)
Recovery	Dry only

A reliable all-round vacuum for hazardous areas

The C-10 EX is a compact and robust industrial vacuum cleaner designed for the dry recovery of combustible dust in explosive atmospheres. It is third-party certified by the French notified body LCIE to category 1/3D — meaning the unit is approved for external use in Zone 22, while the collection tank interior is certified for Zone 20, the most demanding dust zone classification. With an airflow of 194 m³/h, a vacuum pressure of 2,504 mmH₂O and a filter surface area exceeding 20,000 cm², it delivers industrial-grade performance in a genuinely manageable package. At 24 kg and measuring 43 × 43 × 93 cm, it moves easily on four wheels and follows the operator without effort — even in confined spaces. The C-10 EX is available in a standard version and with three options: EN 17348 version, AISI 304 stainless steel tank and brushless motor (BLSD).

ATEX certification in two layers

The C-10 EX is certified under ATEX Directive 2014/34/EU with the marking II 1/3D. The outer layer — category 3D — covers the machine's external enclosure and electrical installation for use in Zone 22. The inner layer — category 1D (Da) — covers the interior of the collection tank and qualifies it to handle combustible dust under Zone 20 conditions inside the tank itself. Both layers are third-party certified by LCIE (Notified Body 0081) in France, and the product also carries IECEx certification (IECEx LCIE 15.0048), which provides international recognition beyond the EU. The temperature limit is T200°C for the standard model and T85°C for the BLSD variant.

Filtration system and recovery

The vacuum cleaner uses a three-stage filtration system consisting of a conductive disposable filter bag (19 L), a main cloth filter with cage and a HEPA/ULPA filter with a surface area of 20,253 cm². The cloth filter with cage acts as a pre-filter, protecting the absolute filter from premature clogging. The included conductive accessory kit in static-dissipative material ensures that charges are safely conducted away throughout the entire recovery path — from suction tools to tank. As optional upgrades, the vacuum can be fitted with a high-temperature main filter for applications with warm process exhaust, as well as Poly Liner recovery bags and accessories for easier emptying.

Four variants — one platform

111805B

Standard model

The base model. 1.2 kW, 194 m³/h, 24 kg.

111805B-17348

EN 17348 version

Manufactured and documented in compliance with the harmonised standard for vacuums in explosive atmospheres.

111805B-304

AISI 304 steel tank

Stainless steel collection tank. For environments with aggressive cleaning agents. 27 kg.

111805B-BLSD

Brushless motor (BLSD)

216 m³/h. Longer motor service life. T85°C. 8 A.

Specifications

Parameter	Value
ATEX category	II 1/3D
External zone	Zone 22 (category 3D) — Ex h tc IIIC T200°C Dc IP6X
Internal zone	Zone 20 (Da) — collection tank
Certificate (ATEX)	LCIE 15 ATEX 3061
Certificate (IECEx)	IECEx LCIE 15.0048
Notified body	LCIE, NB 0081, France
Ambient temperature	−5°C ≤ Ta ≤ +37°C

Parameter	Value
Motor type	Bypass (BLSD optional)
Power	1.2 kW / 1,200 W (1.1 kW for BLSD)
Voltage	220–240 V, 50/60 Hz, single phase
Current draw	5 A (8 A for BLSD)
Airflow	194 m³/h (216 m³/h for BLSD)
Vacuum pressure (max.)	2,504 mmH ₂ O (2,250 mmH ₂ O for BLSD)
Sound level	72 dB(A)
Suction inlet	Ø60 mm
Collection tank	19 L (dry recovery only)
Filter area (HEPA/ULPA)	20,253 cm²
Filter area (cloth filter with cage)	3,480 cm²
Filter area (conductive bag)	8,217 cm²
Dimensions	43 × 43 × 93 cm
Weight (without accessories)	24 kg (27 kg for AISI 304)
Cord length	10.6 m
Wheel system	4-wheel cart
Recovery type	Dry only

Included accessories



Cable holder hook on powerhead

Cable holder hook



C-10 EX side view

Side view — powerhead



Static-dissipative accessory kit

Static-dissipative accessory kit



Main cloth filter with cage

Main cloth filter with cage



HEPA/ULPA filter

HEPA/ULPA filter



Conductive disposable filter bags

Conductive disposable filter bags

Optional upgrades

High-temperature main filter — for applications with warm process exhaust.

Poly Liner recovery bags and accessories — for easier emptying and reduced dust exposure.

CONTACT

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