

ATEX • ZONE 22 / ZONE 20

Tiger-Vac C-7 EX

Likely the smallest third-party certified ATEX vacuum for Zone 20 and 22 — just 77.5 cm tall

- Third-party certified by LCIE — category 1/3D
- Collection tank certified for Zone 20 (Da) internally
- Extremely compact: 43 × 43 × 77.5 cm, only 23 kg
- 194 m³/h airflow and 2,504 mmH₂O vacuum
- Filter blockage indicator included



Tiger-Vac C-7 EX — compact ATEX Zone 22/20 vacuum

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

Quick facts	
ATEX category	II 1/3D
Certificate	LCIE 15 ATEX 3061
Zone (external)	Zone 22
Zone (internal)	Zone 20 (Da)
Power	1.2 kW
Airflow	194 m³/h
Vacuum	2,504 mmH ₂ O
Tank	19 L
Height	77.5 cm
Weight	23 kg
Noise	72 dB(A)

Compact without compromise

The C-7 EX is arguably the most compact third-party certified ATEX vacuum for Zone 20 and 22 available. At just 77.5 cm tall, with a footprint of 43 × 43 cm and a weight of 23 kg, it is extremely compact, light and nimble — it slides under workbenches and process equipment, reaches wherever needed and is easy to stow away when not in use. Despite its modest dimensions, it is third-party certified by LCIE to category 1/3D: the external enclosure and electrical installation are approved for Zone 22, while the collection tank interior carries Zone 20 certification (Da). A filter blockage indicator light alerts the operator when the collection bag is approaching full. The C-7 EX is supplied complete with a HEPA filter, conductive disposable bags, a static conductive suction hose and tool kit, and a cable holder hook on the powerhead.

Two-layer ATEX certification

The C-7 EX is certified under the 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, enabling it to handle combustible dust under the Zone 20 conditions present inside the tank itself. Both layers are third-party certified by LCIE (Notified Body 0081) in France. The product also carries IECEx certification (IECEx LCIE 15.0048), extending international recognition beyond the EU. The C-7 EX shares its certification number, LCIE 15 ATEX 3061, with the larger C-10 EX, making it a fully equivalent alternative wherever space is the limiting factor.

Filtration and collection

The vacuum uses a multi-stage filtration system consisting of a conductive disposable bag (19 L), a cloth bag with filter cage acting as a pre-filter, and a HEPA filter. The pre-filter protects the HEPA filter from premature clogging, extending service intervals. The included static conductive suction hose and tool kit ensures controlled charge dissipation throughout the entire collection path — from the suction nozzle to the tank. The filter blockage indicator illuminates to warn the operator when the collection bag is nearing capacity, ensuring timely replacement rather than operating past the point where filtration is compromised. A brushless (BLSD) motor option is available for applications requiring extended continuous operation.

Variants

111801B

Standard model

Base model. 1.2 kW, 194 m³/h, 23 kg, height 77.5 cm.

111801B-BLSD

Brushless motor (BLSD)

Extended motor service life. Optional upgrade for intensive-use applications.

Technical specifications

Parameter	Value
ATEX category	II 1/3D
External zone	Zone 22 (category 3D)
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
Motor type	Bypass (BLSD optional)
Power	1.2 kW / 1,200 W
Airflow	194 m ³ /h
Vacuum (max.)	2,504 mmH ₂ O
Noise level	72 dB(A)
Collection tank	19 L (dry collection only)
Filter blockage indicator	LED light
Height	77.5 cm
Footprint	43 × 43 cm
Weight (without accessories)	23 kg
Wheel system	4-wheel carriage

Parameter	Value
Collection type	Dry only

Included accessories



HEPA filter
HEPA filter



Conductive disposable bags
Conductive disposable bags



Static conductive suction hose and tool kit
Static conductive hose & tool kit



Cable holder hook on powerhead

Cable holder hook (powerhead)

CONTACT

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