

### Characteristics



DUST IGNITION PROTECTED

CLEANING MACHINES For Hazardous Locations (Classes C1618 01 & C1618 81)

Division 2, Class II, Groups F & G

Certified Zone 22 Hazardous Areas / Dust Group IIIC (Conductive Dusts)



IECEx 3rd Party Certified

Ex h tc IIIC T200°C (T85°C for BLS version) Dc IP6X

IECEx LCIE 15.0048

This model can be used to Recover Combustible/Conductive Dusts in Hazardous Locations Division 2 and Zone 22 Dust Group IIIC:

**Group F** Conductive Carbonaceous Dust (carbon black, coal, coke dust, etc)

**Group G** All flour Dust (grain, flour, starch, sugar, wood, plastic, chemical dust, etc)

**Group IIIC** Conductive Dust Zone 22 (as per International Standards)



This model can be used to Recover Combustible Dusts such as Dust Groups :

**IIIA** Combustible Flyings (lints of cotton, wood chips, etc.)

**IIIB** Non-Conductive Dusts (flour dust, grain dust, flour, sugar, starch, wood, plastic, carbonaceous dusts, coal, carbon black)

**IIIC** Conductive Dusts (combustible metal dust, aluminum, magnesium, commercial alloys)



**ESD Safe** Vacuum Systems for Hazardous Locations are designed to prevent ignition hazards.

We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



Complies with NFPA 77 "Recommended Practice on Static Electricity"



3D Printing



EX Certified



Static Dissipating



HEPA - Included



High Filtration Efficiency Unit



Stainless General



SD Tools & Accessories



Dry Recovery



High Efficiency Cyclone



Brushless Motor Available



- Powder Recovery System (PRS) for 3D Printing and Additive Manufacturing
- Suitable for all AM applications (both plastic & metal)
- Facilitates the extraction & recovery of powder from the AM machine powder bed and build chamber
- The integrated cyclonic pre-separator can separate and collect up to 98% of the powder before it enters the vacuum
- The powder is recovered in the detachable recovery tank made of stainless steel Type 304
- Recovered powder can be easily disposed or re-used depending on the application
- Meets NFPA 484 for Powder and Dust Collection paragraph 11.2.4.4.1 – Cyclone without filter media
- ATEX & IECEx Certified for Conductive dusts Group IIIC
- Provides a very high protection level in the collection tank

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**Tiger-Vac Inc.**  
11 SW 12th Ave #112  
Dania, FL 33004  
USA

**Tiger-Vac International Inc.**  
2020 Dagenais Blvd. Ouest  
Laval, Quebec  
Canada H7L 5W2

Tel: 1-800-668-4437 (954-925-3625)  
Fax: 1-800-668-4439 (954-925-3626)

Website: <http://www.tiger-vac.com>  
Email: [sales@tiger-vac.com](mailto:sales@tiger-vac.com)

## Specifications

C-10 EX DT (PRS-HEC)	113230A
<b>Model Name</b>	C-10 EX DT (PRS-HEC)
<b>Type (Powerhead)</b>	Electric
<b>Tension</b>	120 V
<b>Frequency</b>	60 Hz
<b>Phase</b>	Single
<b>Wattage</b>	1207 W
<b>Power</b>	1.6 HP
<b>Amperage</b>	10.5 A
<b>Air Flow</b>	110 CFM
<b>Vacuum Pressure</b>	107 " H <sub>2</sub> O
<b>Sound Level</b>	72 dB(A)
<b>Type of Power Outlet</b>	120V
<b>Recovery Capacity (Tank)</b>	6.5 gal.
<b>Cord Length</b>	35 ft.

Please note that specifications are subject to change without notice

### Use only recommended tools & accessories



C-10 EX DT (PRS-HEC) - Side View 1



C-10 EX DT (PRS-HEC) - Side View 2



Extra recovery tank with lid to facilitate the refresh and re-use of the recovered powders (Part# 223001-ASM1) - Optional



Longer Life Brushless Motor Available (always with 4 x H14 HEPA filters)