

CD-3 EX

EXPLOSION PROOF / DUST IGNITION PROOF
ELECTRICALLY OPERATED VACUUM CLEANER SYSTEMS
FOR EXPLOSIVE AND CONDUCTIVE DUSTS
MODELS CD-3 EX HEPA (MRAC) and CD-3 EX HEPA (WD)



Illustration: CD-3 EX HEPA (MRAC)

Characteristics:



Stainless Steel



Explosion proof



Wet & dry Applications



Cleanroom compatible



High efficiency



HEPA filter



Optional ULPA filter



C

Legally certified for use in NFPA (NEC) 70-500
Class I-Groups D and
Class II-Groups E, F and G.
US Class II Group E Metal dust motor (Optional)

- Ideal for pharmaceutical plants, cleanrooms, food processing industries, packaging facilities.
- Industries using aluminum, magnesium and other commercial alloys in the fabrication of metal products such as powder, ingot, plate, sheet, strip, ribbon, foil, rod and tubing.
- Can be used for either spot cleaning or as a mobile unit.
- All Stainless Steel AISI 304 Construction (AISI 316L electropolished available).
- Continuous duty 3 phase TEFC (Totally Enclosed, Fan Cooled) motor: 4 kW (5.4 HP).
- For wet and dry recovery.
- Wet & dry filters, conductive and static dissipating, are bonded together with the vacuum cleaner system.
- This model has an activated carbon cartridge to neutralize vapors from flammable liquids by adsorption such as: alcohol, acetone, acids, etc. If requested, as an added option, exhaust attachments can be provided to vent toxic / nuisance fumes and vapors away from working areas (see reverse for available activated carbon).
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3. ULPA Filter efficiency of 99.999% @ 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% @ 0.18 micron. Tested: IEST RP-CC001.3. Compatible with ISO Class 4 (former class 10) cleanroom conditions.

Tiger-Vac®

...The name to vacuum with

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Performance chart

Model	Phase/Volts 60 Hz	Electric current	Ingress Protection	Electric power	Airflow	Vacuum at sealed orifice	Recovery capacity
CD-3 EX HEPA (MRAC/W&D)	3/460	7.9A	IP65	3.75 kW	225 CFM	Over 95" H ₂ O	Wet: 17 Gal. Dry: 15 Gal
CD-3 EX HEPA (MRAC/W&D)	3/230	15.8A	IP65	3.75 kW	225 CFM	Over 95" H ₂ O	Wet: 17 Gal. Dry: 15 Gal
CD-3 EX HEPA (MRAC/W&D)	3/575	6.3A	IP65	3.75 kW	225 CFM	Over 95" H ₂ O	Wet: 17 Gal. Dry: 15 Gal
Dimensions: L43.5" (110cm) x H51.5" (130cm) x W20" (50cm), weight: 353 lbs (160 kg)						Noise level: 82 dB (A) at 6.5' (2m)	

Dimensions and weight may vary slightly from models and optional features

Recommended Tools & Accessories SD* Ø2" (Ø50mm) for Kanaflex Suction Hose with Hose Cuff & Ring



Item number	Description
1	Suction Hose, Kanaflex neoprene SD* & conductive wire reinforced. Length of 15' (4.5metres) assembled with female camlock & hose cuff with ring. Low resistivity- less than 10 ohms.
2	Single bend wand, stainless steel AISI* 304 conductive. Length of 48" (122cm) for use with Universal Floor Tool.
3	Universal Floor Tool, aluminum, conductive, with brass wheels, conductive bristles SD* and rubber blades. Length of 20" (50cm). For wet & dry recovery.
4	Crevice Tool, stainless steel AISI* 304, conductive, length of 15" (38cm).
5	Dusting Brush, aluminum, with conductive bristles. Ø2" x 5" (Ø50mm x 13cm).
6	Utility Tool, aluminum with conductive bristles SD*. Length of 8" (20cm).
7	Conical Nozzle, rubber SD* conductive assembly with stainless steel AISI* 304 adaptor. Length of 8" (20cm).
8	Tiger-Claw, rubber, assembled with a stainless steel AISI* 304 adaptor. Length of 7" (17.5cm).

*SD: Static Dissipating

Activated carbon cartridges available for use with the MRAC system

212200B	Carbon cartridge with 18 lbs (8 Kg) of 3mm regular carbon for fuel, solvents, etc (standard with MRAC)
212200C	Carbon cartridge with 18 lbs (8 Kg) of 3mm Mersorb brand carbon for mercury vapors
212200K	Carbon cartridge with 18 lbs (8 Kg) of 3mm Kina 3 brand carbon for chloride vapors and acid vapors (HF, HCL, etc)
212200L	Carbon cartridge with 18 lbs (8 Kg) of 3mm Nusorb A-3 brand carbon for arsine and phosphine. Also suitable for certain types of acid vapors.

For complete details please visit our website: WWW.TIGER-VAC.COM or contact one of our technical representatives.
Specifications are subject to change without notice. Tiger-Vac is a registered trademark.