

TIGER-VAC · II 1/2GD EXTERNAL: EX DB H IIB T4 GB -- EX H TB IIIC T135 C DB IP65 -- INTERNAL: EX H IIC T6 GA -- EX H IIIC T50 C DA -- -5 C <= TA <= +37 C -- EN 17348 DT/LC -- LCIE 03 ATEX 6295 X -- IECEx LCI 10.0040X -- ATEX 3RD PARTY

Tiger-Vac CD-63L EX (W&D;) Z1-2-21-22 -- three-phase



The Tiger-Vac CD-63L EX (W&D;) Z1-2-21-22 in three-phase configuration (112500B1) is the more powerful variant of the CD-63L W&D; platform. ATEX II 1/2GD 3rd party certified. A 400 V TEFC induction motor (2200 W, 4.8 A) delivers 212 m³/h at 2540 mmH₂O and 72 dB(A) -- the same drive specs as the single-phase version, but with higher power and longer motor life. 56.8 L AISI 304 dust tank + 64.4 L liquid capacity, manometer, muffler, wet floater and dry filter included. Carriage Base construction on heavy-duty powder coated cart with static dissipative wheels. Suitable for continuous duty in refineries, chemical industry and pharma production.

APPLICATIONS

- Refinery boundary zones with simultaneous gas Zone 1 and dust Zone 21
- Chemical industry with solvent vapour and combustible fine powder
- Pharma production with non-flammable liquids and powder
- Spill clean-up of non-flammable liquids in ATEX-classified areas
- Sites where single-phase 230 V is the required supply

Technical specifications

ATEX marking	II 1/2GD External: Ex db h IIB T4 Gb -- Ex h tb IIIC T135 C Db IP65 -- Internal: Ex h IIC T6 Ga -- Ex h IIIC T50 C Da -- -5 C <= Ta <= +37 C -- EN 17348 DT/LC -- LCIE 03 ATEX 6295 X -- IECEx LCI 10.0040X -- ATEX 3rd party
Internal / external zone	20 / 21
Motor type	3-faset TEFC induction-motor, eksplosionsbeskyttet (Ex db h IIB T4 Gb / Ex h tb IIIC T135 C Db IP65) -- 3rd party certified
Airflow	212 m ³ /h
Vacuum	249 mbar (2540 mmH ₂ O)
Container	56.8 L
Sound pressure	72 dB(A)
Filter class	H class
Filter type	HEPA H14 (EN 1822, 99,995 % MPPS) tilvalg på CD-63L, standard på CD-3 EX -- aerosol leak-testet, OSHA-compliant
Primary filter	Hovedfilter SD* statisk afladende m/pre-filter SD* og liquid filter (separat for væske-opsamling)
Cleaning system	Ingen aktivt filterrens-system -- skiftes ved mætning
Collection system	Detachable container
Material	AISI 304 rustfri stål krop og heavy duty powder coated cart
IP class	IP65
Power	2.2 kW
Current	4.8 A
Voltage	400 V / 50 Hz / 3~
Inlet	Diameter 50 mm
Dimensions (L x W x H)	1090 x 610 x 1040 mm
Weight	107 kg

Questions and answers

What does II 1/2GD mean?

II 1/2GD is the ATEX combined marking indicating: II = surface installation, 1/2 = internal category 1 (highest level, for Zone 0 gas / Zone 20 dust) and external category 2 (for Zone 1 gas / Zone 21 dust), G = gas, D = dust. The CD-63L (W&D;) may therefore collect from the most hazardous point (Zone 20 inside the tank / Zone 0 gas) while the operator stands in a less hazardous area (Zone 21 / Zone 1). This is the preferred marking for wet/dry applications in refineries and chemical industry.

What is the difference between single-phase and three-phase CD-63L (W&D;)?

Drive specs are identical (212 m³/h, 2540 mmH₂O, 72 dB(A), 56.8 L dust + 64.4 L liquid, 107 kg). The difference is motor configuration: single-phase (112500B3) uses 230 V and 12.3 A with 1500 W power; three-phase (112500B1) uses 400 V and 4.8 A with 2200 W power. The three-phase motor is more efficient (lower current at higher power) and has longer life. Choose single-phase if you have a 230 V outlet; choose three-phase if you have a 400 V installation.

What liquids may it pick up?

Only non-flammable liquids per EN 17348 LC. This means water, brine, coolants, non-flammable process liquids and spills from non-flammable media may be collected. FLAMMABLE liquids (petrol, solvents above their flash point) are NOT covered by the certificate and may not be collected -- for liquid recovery in Zone 0 gas, see the separate model catalogue.

Why a wet floater system?

The wet floater is a mechanical cut-off mechanism that closes the suction when the liquid reaches a set level in the tank. This prevents liquid from reaching the motor via the vacuum circuit and damaging it. The floater system is mandatory on wet/dry vacuums per EN 17348 LC and is part of the 3rd party ATEX certificate. At emptying the liquid must be disposed of per local regulation (contact us for advice on disposal of classified liquids).

Contact and advisory

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