

(1) **EU-Type-Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Certificate Number** TÜV CY 19 ATEX 0206176 X
 (4) for the equipment: Vacuum cleaner ZFREL TREX1/3D-nnn
 (5) of the manufacturer: DELFIN S.r.l.
 (6) Address: Strada della Merla 49/A
 10036 Settimo Torinese (TO)
 ITALY

Order number: 0206176
 Date of issue: 2019-03-15

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
- (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 19 0206176.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 1127-1:2011

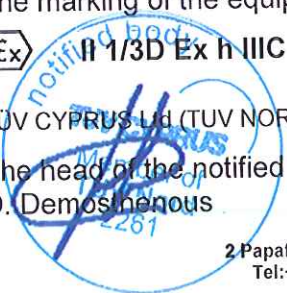
EN 80079-36:2016

EN 80079-37:2016

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
- (12) The marking of the equipment or protective system must include the following:

 II 1/3D Ex h III C T135°C Da/Dc

TÜV CYPRUS Ltd (TUV NORD Group),
 The head of the notified body,
 D. Demosthenous



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This certificate may only be reproduced without any change, schedule included.
 Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) **SCHEDULE**

(14) **EC-Type-Examination Certificate No. TÜV CY 19 ATEX 0206176 X**

(15) Description of equipment

Mobile three Phases industrial vacuum cleaner model ZFREL with side channel blower on vacuum cleaner head and electrical boxes with start/stop switch, magneto-thermic switch and minimum voltage release. Side channel blower, electrical box and cable glands already ATEX compliant. Standard model with stainless steel container, primary antistatic filter class M and secondary absolute filter class H. The additional accessories that could be used with this cleaner are not covered by this certificate.

Technical data:

	ZFRELTREX1/3D	
Power supply	230/400V 3~ 50Hz	276/480V 3~ 60Hz
Power [kW]	2,6	3,1

Allowable ambient temperature range	-10°C to +40°C
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Type key:

ZFRELTREX1/3D-nnn

Where nnn indicates a sequential that provides for the variation which do not impact on the ATEX evaluation.

(16) Test documents are listed in the test report No. 19 0206176

(17) Special conditions for safe use

- The user will have to connect the free extremity of power supply cable in a non-hazardous area.
- Connect the grounding clamp with suitable earth.
- Withdraw and clean the collection container at the end of every working cycle in order to avoid dust accumulation into the container.
- See the operator and maintenance manual ZFRELTREX1-3D

(18) Essential Health and Safety Requirements

This statement of conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.