

CERTIFICATE

(1) EU-Type Examination

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

(3) EU-Type Examination Certificate Number: **DEKRA 14ATEX0108 X** Issue Number: **2**

(4) Product: **Submersible pump set, Types Ecocut 2406-KY-88, 2406-KY-89, 2406-KY-98 and 2406-KY-99**

(5) Manufacturer: **Häny AG**

(6) Address: **Buechstrasse 20, CH-8645, Jona, Switzerland**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number 216962700 issue 2.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018
EN 13463-1 : 2009

EN 60079-1 : 2014
EN 13463-5 : 2011

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex c db IIB T4 Gb

Date of certification: 23 December 2020

DEKRA Certification B.V.



T. Pijpker
Certification Manager

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 14ATEX0108 X**

Issue No. 2

(15) **Description**

Submersible Pump sets, Types Ecocut 2406-KY-88, 2406-KY-89, 2406-KY-98 and 2406-KY-99 consists of a pump and a three-phases driving motor. The, separately certified, Ex d motor is provided with a permanently connected un-terminated supply cable. The pump is cooled by submersion in the fluid to pump.

A thermal protector in the stator windings with a nominal switching temperature of 132 °C is used for direct temperature control.

Ambient temperature range -20 °C to +40 °C.
Maximum fluid temperature +40 °C.

The motors can be operated with a frequency converter.

Electrical data

Submersible pump type	2406-KY-88 2406-KY-98	2406-KY-89 2406-KY-99
Rated input power [kW]	6.5	8
Rated voltage [V ± 10%]	3 x 400	3 x 400
Max. rated current [A]	11,8	14,6
Power factor (cos φ)	0,9	0,88
Rated frequency [Hz ± 2%]	50	50
Rated speed [rpm]	2925	2930
Insulation class	H	H
Duty cycle	S1 / S3	S1 / S3

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 216962700 issue 2.

(17) **Specific conditions of use**

Parameters for inverter are not written on the label on equipment. Read manual for information.

The electric pump is supplied with the power cable permanently connected and without switch. The electric cable must therefore be connected to the power supply in a safe area or using one of the protection methods provided for in the EN 60079-0 standard with a switch off button; the cable cannot be reduced in length.

The screw class used for the assembly of explosion-proof enclosures must be A2-70 ISO 3506-1.

Flameproof joints are not intended to be repaired.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 14ATEX0108 X**

Issue No. 2

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 216962700 issue 2.

(20) **Certificate history**

Issue 1 - 216962700	Initial certificate
Issue 2 - 225139500	Exchange of motor types.