

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Addition Sheet 11

to the EC-TYPE EXAMINATION CERTIFICATE IBExU02ATEX1019 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor
type K21Q 225 S8-2 (K20Q 200 L8-2)

The already certified motor series type K2.Q ... Ex II 2D is extended with the motor type K21Q 225 S8-2 (K20Q 200 L8-2). The motor is intended for use at a maximum surface temperature of $T = 125\text{ °C}$.

Rated values and technical data

| | | <u>8-pole</u> | <u>2-pole</u> |
|-----------------------------|-------------------|---------------|---------------|
| Power: | kW | 6.7 | 26.5 |
| Voltage: | V | 400 | 400 |
| Current: | A | 21.5 | 47.5 |
| Frequency: | Hz | 50 | 50 |
| Speed: | min ⁻¹ | 740 | 2965 |
| Power factor: | | 0.55 | 0.91 |
| Efficiency: | % | 83.1 | 88.6 |
| Operation mode: | | S1 | S1 |
| Cooling medium temperature: | °C | 40 | 40 |

Besides the voltage 400 V also other voltages in the range from 220 V up to 690 V are permissible. The related currents are converted in the reciprocal relation of the voltages.

Compared with the rated values the mains voltage may fluctuate up to $\pm 5\%$ and the mains frequency up to $\pm 2\%$ appropriate to range A according to IEC 60034-1.

The proof of explosion protection of the motor mentioned above is recorded in the test report IB-07-3-108 of 18 May 2007. The marking is:

 II 2D T 125 °C IP 65

The safety instructions contained in the EC-Type Examination Certificate IBExU02ATEX1019 have to be noticed.

This Addition Sheet is only valid in combination with the EC-Type Examination Certificate IBExU02ATEX1019.

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Authorised for certifications
-Explosion protection-

By order



(Dr. Lössch)



- Seal -
(ID no. 0637)

Freiberg, 18 May 2007

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.