



**Questionnaire for selection of explosion-proof electric motors of AIM series.**

Name of the organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Contact name: \_\_\_\_\_ Tel. /Fax \_\_\_\_\_

**Required motor rating:**

Connection voltage  $\Delta/Y$  \_\_\_\_\_ B Time rating \_\_\_\_\_

Power frequency \_\_\_\_\_ Hz Mounting style \_\_\_\_\_

Power \_\_\_\_\_ kW Insulation class of stator winding \_\_\_\_\_

Number of revolutions \_\_\_\_\_ rev/min Protection mode \_\_\_\_\_

Design current \_\_\_\_\_ A Rotation axis height \_\_\_\_\_

Power efficiency \_\_\_\_\_ % \_\_\_\_\_ Cos

**Operating mechanism type and transmission way (block, reducing gear, muff)**

Locked rotor current ratio \_\_\_\_\_

**Starting torque-to-nominal torque ratio** \_\_\_\_\_

**External environment**

Environment temperature - / + \_\_\_\_\_ C humidity \_\_\_\_\_ % a.s.l.height \_\_\_\_\_ m

Installation process: indoor \_\_\_\_\_ outdoor \_\_\_\_\_

Atmoshere: normal corrosive \_\_\_\_\_ explosive \_\_\_\_\_

Starting method: direct connection \_\_\_\_\_ winding changeover from Y to A  
conversion transducer \_\_\_\_\_ main start device \_\_\_\_\_

**While conversion transducer operation:**

Depth control of speed \_\_\_\_\_

Cooling action: self-ventilation \_\_\_\_\_ artificial ventilation \_\_\_\_\_

Shaft speed/position sensor (encoder): is needed \_\_\_\_\_ is not needed \_\_\_\_\_

Explosion protection: is not needed \_\_\_\_\_ 1ExdII BT4 \_\_\_\_\_ PBExdI \_\_\_\_\_  
Class of room for explosion protection \_\_\_\_\_

**Additional information:**

Temperature control (presence of embed detector ): is needed \_\_\_\_\_  
is not needed \_\_\_\_\_

Connection box position: from above \_\_\_\_\_ on the right \_\_\_\_\_  
on the left \_\_\_\_\_ other position \_\_\_\_\_

Other information: \_\_\_\_\_

**Number of ordered engines** \_\_\_\_\_ items

**A correctly filled configuration data sheet with the maximum content of information will allow you to select the optimal electric motor for you in the shortest possible time**