

Manufacturer

Customer

**VEM motors Thurm GmbH**  
**Äußere Dresdener Str. 35**

**D-08066 Zwickau**

Three-phase motor with squirrel cage rotor, brake motors  
 brake type Stromag

|                                    |                      |                     |     |
|------------------------------------|----------------------|---------------------|-----|
| Type                               | IE2-BE1R 112 MV6     |                     |     |
| Design output                      | ( kW )               | 2,2                 |     |
| Design torque                      | ( Nm )               | 22                  |     |
| Duty type                          |                      | S1                  |     |
| Class IE                           | ( - )                | IE2-82,8%           |     |
| Efficiency determination           | ( - )                | EN 60034-2-1        |     |
| Design frequency                   | ( Hz )               | 50                  |     |
| Design speed                       | [rpm]                | 955                 |     |
| Voltage                            | ( V )                | 230/400             |     |
| Connection                         | ( - )                | D                   | Y   |
| Current                            | ( A )                | 9.4                 | 5.4 |
| Relative pull-in current           | ( - )                | 6,2                 |     |
| Relative starting torque           | ( - )                | 2,7                 |     |
| Relative pull-out torque           | ( - )                | 3,5                 |     |
| Power factor                       | ( - )                | 0,71                |     |
| Efficiency100/75/50 %              | ( % )                | 82,8 / 82,8 / 80,3  |     |
| Th. cl.                            |                      | 155(F/B)            |     |
| Coolant temperature                | ( °C )               | 40°C                |     |
| Altitude above sea level           | ( m )                | 1000m               |     |
| Degree of protection               |                      | IP55                |     |
| Moment of inertia                  | ( kgm <sup>2</sup> ) |                     |     |
| Motor weight                       | ( kg )               |                     |     |
| Bearing, D-side                    |                      | 6206 ZZ C3          |     |
| Bearing, N-side                    |                      | 6206 ZZN C3         |     |
| Relubrication interval             | ( h )                |                     |     |
| Grease type                        |                      | Asonic GLY 32       |     |
| Grease amount                      | ( g )                |                     |     |
| Brake type                         |                      |                     |     |
| Brake torque                       | ( Nm )               |                     |     |
| Relative brake torque              | ( - )                |                     |     |
| Special details to bearings 1      |                      | none                |     |
| Special details to bearings 2      |                      | none                |     |
| Bearing monitoring                 |                      | none                |     |
| Winding protection                 |                      | none                |     |
| Winding protection 2               |                      | none                |     |
| Anti-condensation heating          |                      | none                |     |
| Special versions 1                 |                      | none                |     |
| Special versions 2                 |                      | none                |     |
| Special versions 3                 |                      | none                |     |
| Special versions 4                 |                      | none                |     |
| Limit values to vibration velocity |                      | Class A             |     |
| Balancing with half key            |                      |                     |     |
| Colour system                      |                      | 01 Moderate (KK C2) |     |
| Colour shade                       |                      | RAL 7031 blue-grey  |     |
| Layer thickness                    |                      | 60 µm               |     |

**Delivery conditions and/or official regulations: IEC / EN 60034-1**

**This document was produced electronically, all specifications are valid only after confirmation of the manufacturer**

