



|    |  |   |
|----|--|---|
| 1  | D-BEARING                              | 6324/C3   |
| 2  | N-BEARING                              | 6319/C3<br>INSULATED 6319/C3 (OPTIONAL)             |
| 3  | TERMINAL BOX FOR CONTROL CABLE         | Ø10-14, 2xM20x1.5<br>LARGER TERMINAL BOX (OPTIONAL) |
| 4  | SPM NIPPLE DE AND NDE                  |   |
| 5  | PT-100 FOR BEARINGS (OPTIONAL)         |   |
| 6  | MAIN TERMINAL BOX                      |   |
| 7  | FREE DISTANCE FOR COOLING              |   |
| 8  | TERMINAL BOX FOR HEATING ELEMENT CABLE | Ø10-14, 1xM20x1.5 (OPTIONAL)                        |
| 9  | GREASING NIPPLE DE AND NDE             |   |
| 10 | EARTHING, M12, FOR M3GM MAX            | 150mm <sup>2</sup>                                  |

THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY (REED FREQUENCY) OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

| Rev  | Change                  | Date              | Prep.               | Approved                               |
|--|-------------------------|-------------------|---------------------|--|
| Prepared                                   | 2006-07-17 A. KIVIJÄRVI | Responsible dept. | ATAP/PID            | Title                                  |
| Approved                                   | 2006-07-17 O. LAHTINEN  | Take over dept.   |                     | DIMENSION PRINT<br>SQUIRREL CAGE MOTOR |
| Material                                   |                         | Code              | 13 BM 400 A / 400   | Language                               |
| Supersedes                                 | Superseded by           | Type              | M3BM/GM 400L4-12 V1 | Size                                   |
| ABB ABB Oyj, Electrical Machines, Helsinki |                         | Document No.      | 3GZF500040-220      | Revision                               |
|  |                         |                   | A                   | Sheet                                  |
|  |                         |                   |                     | 1/1                                    |

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © ABB Oy, Electrical Machines, Helsinki

General tolerances ISO 2768-mK  
Threads according to ISO 965 Tolerance class 6H  
Symbols for roughness acc. to ISO 1302

A

B

C

D

A

B

C

D