



1	D-BEARING 6324/C3 NU324/C3 (OPTIONAL)
2	N-BEARING 6319/C3 INSULATED 6319/C3 (OPTIONAL)
3	TERMINAL BOX FOR CONTROL CABLE ϕ 10-14, 2xM20x1,5 LARGER TERMINAL BOX (OPTIONAL)
4	SPM NIPPLE DE AND NDE
5	PT-100 FOR BEARINGS (OPTIONAL)
6	INTERMEDIATE BOX
7	FREE DISTANCE FOR COOLING
8	TERMINAL BOX FOR HEATING ELEMENT CABLE ϕ 10-14, 1xM20x1,5 (OPTIONAL)
9	GREASING NIPPLE DE AND NDE
10	EARTHING, M12, FOR M3GM MAX 150 MM ²
11	TRANSPORTATION COVER, THREE (3) LEADS OUT 1.5 m (5 ft) SIX (6) LEADS OUT (OPTIONAL)

BEFORE COMMISSIONING, TERMINAL ARRANGEMENT SHALL BE SUCH THAT THE STATOR CONNECTION CABLES ARE COVERED WITH EARTHED PROTECTIVE STRUCTURE (E.G. MAIN TERMINAL BOX AND ADEQUATE INTERMEDIATE BOX).

MAIN TERMINAL BOXES ARE NOT INCLUDED IN MOTOR MANUFACTURER'S DELIVERY.

MAIN TERMINAL BOXES MUST FILL FOLLOWING REQUIREMENTS:
 - FOR EXPLOSIVE ENVIRONMENTS EX CERTIFIED
 - ENCLOSURE IP55 OR HIGHER ACC. TO SITE CONDITIONS

Rev	Change	Date	Prep.	Approved
Prepared	2006-08-22 A.MATTILA	Responsible dept.	ATDM/PID	Title
Approved	2006-08-22 O.LAHTINEN	Take over dept.		SQUIRREL CAGE MOTOR
Material		Code	13 BM 400 A / 400	Language
Supersedes	Superseded by	Type	M3BM/GM 400LK4-12 B3	Size
ABB		Document No.	3GZF500040-240	Revision
ABB Oy, Electrical Machines, Helsinki			A	Sheet
				1/1

MAXIMUM MASS FOR MTB ASSEMBLY 600 kg,
 MAXIMUM MOMENT FROM MTB ASSEMBLY ACCORDING TO POINT W 1600Nm.

DURING THE INITIAL INSTALLATION PLACE 2 mm SHIMS UNDER THE FEET OF THE MOTOR. 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 OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN $\pm 20\%$ OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

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