

General Inspection plan Rubrik / Title Squirrel cage asynchronous motors > 1 kV	Beteckning / Document KBE IP – 103.3
	Utgåva / Issue 2
	Datum / Date 2013-08-20
	Ersätter / Supersedes 1

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		<u>Inspection performed and documented by</u> (2nd letter) E: Manufacturer D: Supplier B: Purchaser		<u>Inspection supervised by</u> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	
				<u>Documentation</u> (4th letter) R: Technical Report P: Inspection Record I: Certificate	
Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Type Inspection					
T1	Constant losses KBE EP-170 pt. 3.4	TEBR			
T2	Load losses KBE EP-170 pt. 3.8	TEBR			
T3	Temperature rise KBE EP-170 pt. 3.9	TEBR			
T4	Short-circuit test KBE EP-170 pt. 3.12	TEBR			
T5	Tan delta test KBE EP-170 pt. 3.13	TEBR			
T6	Noise level KBE EP-170 pt. 3.14	TEBR			
T7	Impulse voltage withstand test KBE EP-170 pt.3.15	TEBR			
T8	Withstand voltage test KBE EP-170 pt. 3.16	TEBR			
T9	Torque curve KBE EP-170 pt. 3.19	TEBR			
T10	Seismic Qualification Note 1 KBE EP-147	TEBR			
T11	Type inspection certificate KBE EP-180 pt. 5.1	TE-I			
T12					
T13					
T14					
Notes (See page 2)					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Inspection of welds Note 2	AE-P			
R2	Airgap measurement KBE EP-170 pt. 3.2	AE-P			
R3	Winding resistance measurement KBE EP-170 pt 3.3	AE-P			
R4	No-load test KBE EP-170 pt. 3.5	AE-P			
R5	Over-speed and vibration test KBE EP-170 pt. 3.10	AE-P			
R6	Over-voltage test KBE EP-170 pt.3.11	AEBP			
R7	Short-circuit test KBE EP-170 pt. 3.12	AEBP			
R8	Voltage withstanding test KBE EP-170 pt. 3.16	AEBP			
R9	Insulation resistance KBE EP-170 pt. 3.17	AEBP			
R10	Visual inspection KBE EP-170 pt. 3.18	AEBP			
R11	Bearing inspection/testing Note 3.	AE-P			
R12	Inspection of corrosion protection KBE EP-148	AEBP			
R13	Electrical equipment delivery inspection KBE EP-191	AEBP			
R14	Quality and identity certificate KBE EP-180 pt. 5.2	AE-I			
R15					
R16					
R17					
Notes 1. Seismic requirements given in the Technical Specification. 2. Welder's licenses shall be checked before manufacturing starts. Visual inspection of welds before start of stator winding. 3. SPM inspection, where called for in Technical Specification. The Purchaser shall review and approve the Manufacturers Inspection plan before manufacturing					