



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF11054639							
				Type: M3KP 355SMB 6 IMB3/IM1001							
				Product Code: 3GKP353220-ADG							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D 50	200	993	359	0,84	S1	
Insul.cl.F				415	D 50	200	994	350	0,83	S1	
IP55				690	Y 50	200	993	208	0,84	S1	
Ambient temp. +5°C...+40°C											
Eff class IE2				400 V 50Hz : IE2 - 95.7(100%) - 95.7(75%) - 95.1(50%)							
Resistance Line				Ambient: 20,5 °C				Insulation resistance at 62,0 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,00994 Ω				5800 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,00995 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,00994 Ω							
				High-voltage test winding				2400 V		60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]		
No load test		399,9 D	50	117,5	3,36		1000	0,04			
Locked rotor test		80,4 D	50	359,3	14,8		0	0,30			
Thermal test (100% load)	1923,0	400,1 D	50	364,5	209,9	200,0	992	0,83	95,3		
Partial load points:											
~75% load	1438,0	400,0 D	50	281,7	157,0	150,0	994	0,80	95,6		
~50% load	960,7	400,1 D	50	207,6	104,9	100,0	996	0,73	95,3		
~25% load	475,2	400,2 D	50	147,6	53,8	50,0	998	0,53	93,0		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				64,9	64,9	1		1 Resistance			
Frame :				39,4	39,4	2		2 Thermometer			
Bearing D-end :				45,3	45,3	2		3 Thermocouples			
Rotor:				109,9	109,9	3					
Ambient Temperature :				25,0	25,0	2					
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.											
On behalf of customer											
On behalf of manufacturer				Date of test				1.2.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211 Telefax +358 10 22 47372				

Computer print-out valid without signature.