



Test Report				Date of issue: 30.11.2015						
				Type: M3JP 225SMA 6						
				Product Code: 3GJP223210-ADL						
				Protection type: Ex d IIB T5 Gb						
				Cert. No.: LCIE 10 ATEX 3057X/						
				IECEX LCI 04.0005X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	30	988	34,9	0,77	S1		
Insul.cl.F		400	D 50	30	988	60,4	0,77	S1		
IP55		415	D 50	30	989	61,8	0,73	S1		
		440	D 60	30	1189	53,5	0,79	S1		
		460	D 60	30	1190	52,6	0,77	S1		
Eff class IE3		50Hz: IE3-92,9%(100%)-93,0%(75%)-92,2%(50%) 60Hz: IE3-93,4%(100%)								
Resistance				Insulation resistance at 45 °C				Overload		
Line		Ambient: 22 °C		1600 MΩ		1000 V		Torque 160% 15s		
U <sub>1</sub> - V <sub>1</sub>		0,12629 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,12633 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,12628 Ω								
				High-voltage test winding		1900 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		400,0 D	50	29,1	0,92		998	0,05		
Locked rotor test		82,6 D	50	60,8	2,89		0	0,33		
Thermal test (100% load)	290,0	400,0 D	50	60,3	32,3	30,0	988	0,77	93,0	
Partial load points:										
~75% load	217,4	400,0 D	50	49,2	24,2	22,5	991	0,71	93,1	
~50% load	144,8	400,0 D	50	39,6	16,3	15,0	994	0,59	92,3	
~25% load	72,4	400,0 D	50	32,3	8,52	7,50	997	0,38	88,1	
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method			
Stator winding :			63	63	1		1 Resistance			
Frame :			41	41	2		2 Thermocouples			
Bearing D-end :			47	47	2		3 Thermometer			
Rotor :			79	79	3					
Ambient Temperature :			25	25	2					
These tests have been carried out on motor no. 3G1P141700189, on date 2014-11-25 which is identical in design with the above.						Starting current (I <sub>S</sub> / I <sub>N</sub> ) : 7,21				
						Locked rotor torque (T <sub>L</sub> / T <sub>N</sub> ) : 2,90				
						Pull-up torque (T <sub>U</sub> / T <sub>N</sub> ) : 2,54				
						Breakdown torque (T <sub>B</sub> / T <sub>N</sub> ) : 3,30				
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										
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372				

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