



Test Report				Date of issue: 29.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3JP 225SMA 4						
				Product Code: 3GJP222210-ADK						
				Protection type: Ex d IIB T4 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	37,0	1482	37,9	0,86	S1		
Insul.cl.F		400	D 50	37,0	1482	65,4	0,86	S1		
IP55		660	Y 50	37,0	1480	39,4	0,87	S1		
		380	D 50	37,0	1480	68,4	0,87	S1		
		415	D 50	37,0	1484	63,6	0,85	S1		
		460	D 60	37,0	1784	57,3	0,85	S1		
Eff class IE3		50Hz : IE3-94,9(100%)-95,5(75%)-95,4(50%)								
		60Hz : IE3-95,3(100%)								
Resistance				Insulation resistance at 24 °C				Overload		
Line		Ambient: 23,6 °C		R > 2000 Mohm		1000 V		Current 150 % 120s		
U ₁ - V ₁		0,08386 Ω						Torque 160 % 15s		
U ₁ - W ₁		0,08397 Ω						Speed 120 % 120s		
V ₁ - W ₁		0,08390 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		401 D	50	22,9	0,59		1500	0,04		
Locked rotor test		71,1 D	50	65,2	3,40		0	0,34		
Thermal test (100% load)	238,4	400 D	50	65,9	38,91	37,00	1482	0,85	95,08	
Partial load points:										
~75% load	180,9	400 D	50	52,0	29,51	28,17	1487	0,82	95,46	
~50% load	123,1	400 D	50	39,4	20,17	19,24	1492	0,74	95,40	
~25% load	61,1	400 D	50	28,3	10,25	9,57	1496	0,52	93,43	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				58,0	1			1 Resistance		
Frame :				44,0	2			2 Thermometer		
Bearing D-end :				40,3	2			3 Thermocouples		
Ambient Temperature :				24	2					
<p>These tests have been carried out on motor no. 3GV1110777064001, on date 2011-09-21 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>										
On behalf of customer										
On behalf of manufacturer				Date of test						
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00		Telefax +46 (0)21 32 90 22		

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