



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3G11094417					
				Type: M3JP 225SMA 8 IMB3/IM1001					
				Product Code: 3GJP224210-ADG					
				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	400 D	50	18,5	734	40 0,74 S1				
Insul.cl.F	415 D	50	18,5	735	39,7 0,72 S1				
IP55	690 Y	50	18,5	734	23,2 0,74 S1				
400 V 50Hz : 90.0(100%) - 90.3(75%) - 89.3(50%)									
Resistance Line			Ambient: 21,5 °C		Insulation resistance at 40,0 °C				
U ₁ - V ₁			0,34960 Ω		1900 MΩ 1000 V				
U ₁ - W ₁			0,35000 Ω		Overload Torque 160 % 15s				
V ₁ - W ₁			0,34970 Ω		High-voltage test winding 2900 V 1 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		400,1 D	50	19,2	0,61		750	0,05	
Locked rotor test		107,7 D	50	40,1	2,31		0	0,31	
Thermal test (100% load)	240,7	400,1 D	50	39,2	20,4	18,5	735	0,75	90,5
Partial load points:									
~75% load	180,4	400,1 D	50	31,9	15,2	13,9	739	0,69	91,2
~50% load	120,4	400,1 D	50	25,7	10,2	9,25	743	0,57	90,7
~25% load	60,1	400,0 D	50	21,1	5,34	4,62	747	0,37	86,6
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method			
Stator winding :				60,7	1	1 Resistance			
Frame :				36,4	2	2 Thermometer			
Bearing D-end :				39,3	2	3 Thermocouples			
Ambient Temperature :			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		11.3.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland					Telephone +358 10 2211 Telefax +358 10 22 47372				

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