



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11076115					
				Type: M3GP 225SME 4 IMB35/IM2001					
				Product Code: 3GGP182420-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X IECEX LCIE 13.0047X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	400	D 50	62	1477	113	0,84	S1		
Insul.cl.F	415	D 50	62	1479	112	0,82	S1		
IP56	690	Y 50	62	1477	66,1	0,84	S1		
Eff class IE1 400 V 50Hz : IE1 - 93.6(100%) - 93.7(75%) - 92.9(50%)									
Resistance Line				Insulation resistance at 40,5 °C		Overload			
Ambient: 23,5 °C				5110 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁ 0,05283 Ω									
U ₁ - W ₁ 0,05291 Ω									
V ₁ - W ₁ 0,05283 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		400,1 D	50	44,4	1,66		1500	0,05	
Locked rotor test		76,9 D	50	112,9	5,68		0	0,38	
Thermal test (100% load)	400,9	400,0 D	50	115,3	66,5	62,0	1480	0,83	93,3
Partial load points:									
~75% load	300,4	400,1 D	50	90,4	49,7	46,5	1484	0,79	93,5
~50% load	200,4	400,1 D	50	68,3	33,4	31,0	1489	0,71	92,9
~25% load	100,2	400,1 D	50	50,9	17,4	15,5	1495	0,49	89,3
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			67,2	1			1 Resistance		
Frame :			37,2	2			2 Thermometer		
Bearing D-end :			45,4	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		19.6.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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