



<b>Test Report</b>				Date of issue: 10.6.2014						
				Serial No.: 3GF10056621						
				Type: M3GP 315MLA 4 IMB35/IM2001						
				Product Code: 3GGP312410-ADG						
				Protection type: Ex nA IIC T3 Gc						
				Cert. No.: LCIE 12 ATEX 1008X						
				IECEX LCI 07.0001X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		400	D	50	200	1486	351	0,86	S1	
Insul.cl.F		415	D	50	200	1488	342	0,85	S1	
IP55		690	Y	50	200	1486	203	0,86	S1	
Eff class IE2		400 V 50Hz : IE2 - 95.6(100%) - 95.6(75%) - 95.3(50%)								
Resistance Line				Ambient: 20,0 °C			Insulation resistance at 57,5 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,01020 Ω			2400 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,01021 Ω					Torque 160% 15s	
V <sub>1</sub> - W <sub>1</sub>				0,01020 Ω						
				High-voltage test winding			1800 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		399,8 D	50	111,8	3,14		1500	0,04		
Locked rotor test		71,9 D	50	351,6	13,5		0	0,31		
Thermal test (100% load)	1285,0	400,1 D	50	352,1	209,3	200,0	1487	0,86	95,5	
Partial load points:										
~75% load	964,2	400,1 D	50	272,8	156,7	150,0	1490	0,83	95,7	
~50% load	645,3	400,0 D	50	201,1	104,8	100,0	1492	0,75	95,4	
~25% load	322,0	400,1 D	50	142,1	53,6	50,0	1496	0,54	93,3	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method			
Stator winding :				73,3	1		1 Resistance			
Frame :				46,0	2		2 Thermometer			
Bearing D-end :				50,2	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		18.1.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211		
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