



Test Report				Date of issue: 10.6.2014							
				Serial No.: 3GP11023272							
				Type: M3GP 315MLA 4 B3							
				Product Code: 3GGP312410-G							
				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	185	1487	328	0,85	S1	
Insul.cl.F				415	D 50	185	1489	320	0,84	S1	
IP55				690	Y 50	185	1487	189	0,85	S1	
Eff class IE2				400 V 50Hz : IE2 - 95.6(100%) - 95.6(75%) - 95.3(50%)							
Resistance Line				Ambient: 21,0 °C				Insulation resistance at 35,5 °C		Overload	
U ₁ - V ₁				0,01001 Ω				4100 MΩ		1000 V	
U ₁ - W ₁				0,01001 Ω						Torque 160% 15s	
V ₁ - W ₁				0,01003 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	111,4	2,99		1500	0,04			
Locked rotor test		67,3 D	50	328,0	11,3		0	0,29			
Thermal test (100% load)	1188,0	400,1 D	50	327,2	193,1	185,0	1489	0,85	95,8		
Partial load points:											
~75% load	891,8	400,1 D	50	255,1	144,6	138,8	1492	0,82	96,0		
~50% load	592,5	400,1 D	50	189,9	96,7	92,5	1495	0,74	95,6		
~25% load	295,5	400,2 D	50	137,0	49,6	46,3	1498	0,52	93,3		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					59,9	1		1 Resistance			
Frame :					35,4	2		2 Thermometer			
Bearing D-end :					46,8	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				31.10.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
								Telefax		+358 10 22 47372	

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