



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GP11023272							
				Type: M3KP 315MLA 4 B3							
				Product Code: 3GKP312410-G							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X							
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				Insulation resistance at 35,5 °C				Overload			
U ₁ - V ₁				4100 MΩ 1000 V				Torque 160% 15s			
U ₁ - W ₁											
V ₁ - W ₁											
Ambient: 21,0 °C											
0,01001 Ω											
0,01001 Ω											
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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