



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF10056621							
				Type: M3KP 315MLA 4 IMB35/IM2001							
				Product Code: 3GKP312410-ADG							
				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	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 ₁ - V ₁				0,01020 Ω				2400 MΩ		1000 V	
U ₁ - W ₁				0,01021 Ω						Torque 160% 15s	
V ₁ - W ₁				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	
								Telefax		+358 10 22 47372	

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