



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GF10021467							
				Type: M3KP 315SMB 4 IMB3/IM1001							
				Product Code: 3GKP312220-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				690	Y 50	132	1487	132	0,86	S1	
Insul.cl.F				400	D 50	132	1487	233	0,86	S1	
IP55				415	D 50	132	1488	227	0,85	S1	
Ambient temp. +50°C											
Resistance				Insulation resistance at 60,0 °C				Overload			
Line				Ambient: 21,0 °C				Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>				0,01680 Ω				15000 MΩ 1000 V			
U <sub>1</sub> - W <sub>1</sub>				0,01679 Ω				High-voltage test winding 2400 V 60 s			
V <sub>1</sub> - W <sub>1</sub>				0,01678 Ω							
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	72,1	2,19		1500	0,04			
Locked rotor test		73,9 D	50	232,0	9,42		0	0,32			
Thermal test (100% load)	847,7	400,0 D	50	234,8	138,3	132,0	1487	0,85	95,4		
Partial load points:											
~75% load	631,0	400,1 D	50	181,5	103,5	99,0	1491	0,82	95,7		
~50% load	427,5	400,1 D	50	133,5	69,2	66,0	1494	0,75	95,4		
~25% load	215,0	400,1 D	50	93,9	35,5	33,0	1497	0,55	93,1		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					61,7	1		1 Resistance			
Frame :					27,0	2		2 Thermometer			
Bearing D-end :					46,3	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		20.4.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211		Telefax +358 10 22 47372	

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