



<b>Test Report</b>				Date of issue: 4.6.2014							
				Serial No.: 3GF10034460							
				Type: M3KP 250SMB 2 IMV1/IM3011							
				Product Code: 3GKP251220-BDG							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 10 ATEX 3063X / IECEX LCI 04.0012X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D	50	2969	129	0,89	S1	
Insul.cl.F				415	D	50	2972	124	0,89	S1	
IP55				690	Y	50	2969	75	0,89	S1	
Eff class IE2				400 V 50Hz : IE2 - 94,0(100%) - 94,0(75%) - 93.2(50%)							
Resistance Line				Ambient: 22,5 °C				Insulation resistance at 38,0 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,03631 Ω				5700 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,03632 Ω						Torque 160% 15s	
V <sub>1</sub> - W <sub>1</sub>				0,03631 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		400,1 D	50	29,1	2,16		2998	0,11			
Locked rotor test		75,5 D	50	129,4	4,82		0	0,28			
Thermal test (100% load)	241,2	400,4 D	50	129,7	80,0	75,0	2969	0,89	93,7		
Partial load points:											
~75% load	180,7	400,6 D	50	98,8	60,0	56,3	2980	0,88	93,8		
~50% load	120,3	400,9 D	50	70,2	40,3	37,5	2988	0,83	93,0		
~25% load	60,7	400,5 D	50	44,9	21,1	18,8	2997	0,68	89,0		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					64,6	1		1 Resistance			
Frame :					33,1	2		2 Thermometer			
Bearing D-end :					46,3	2		3 Thermocouples			
Ambient Temperature :				25,0		2					
<p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1.          PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test 17.9.2010</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p style="text-align: right;">Telephone +358 10 2211 Telefax +358 10 22 47372</p>											

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