



Test Report				Date of issue: 5.6.2014							
				Serial No.: 0926-010504813							
				Type: M3KP 315SMB 6 V1							
				Product Code: 3GKP313220-BDG							
				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	90	992	163	0,84	S1
Insul.cl.F				415	D	50	90	993	161	0,82	S1
IP55				690	Y	50	90	992	95	0,84	S1
Eff class IE2				400 V 50Hz : IE2 - 94.8(100%) - 94.8(75%) - 94,2(50%)							
Resistance				Insulation resistance at 62,5 °C				Overload			
Line				12000 MΩ 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 24,5 °C							
U ₁ - W ₁				0,03120 Ω							
V ₁ - W ₁				0,03121 Ω							
				0,03120 Ω							
				High-voltage test winding 2400 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	59,3	2,05		1000	0,05			
Locked rotor test		77,7 D	50	163,1	6,25		0	0,28			
Thermal test (100% load)	866,4	400,1 D	50	165,9	95,1	90,0	995	0,83	94,6		
Partial load points:											
~75% load	649,8	400,1 D	50	130,3	71,3	67,5	995	0,79	94,6		
~50% load	431,2	400,1 D	50	98,3	47,9	45,0	997	0,70	94,0		
~25% load	215,1	400,0 D	50	72,7	24,8	22,5	999	0,49	90,9		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				56,7	1			1 Resistance			
Frame :				37,3	2			2 Thermometer			
Bearing D-end :				48,1	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		10.9.2009						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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