



Test Report				Date of issue: 5.6.2014					
				Serial No.: 3GF10019494					
				Type: M3KP 355MLB 6 IMB5/IM3001					
				Product Code: 3GKP353420-BDG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	315	992	330	0,83	S1		
Insul.cl.F	400	D 50	315	992	570	0,83	S1		
IP55	660	Y 50	315	991	342	0,84	S1		
	380	D 50	315	991	592	0,84	S1		
	415	D 50	315	993	556	0,82	S1		
	440	D 60	360	1191	585	0,84	S1		
Resistance				Insulation resistance at 61,5 °C			Overload		
Line		Ambient: 20,0 °C		6000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,00609 Ω							
U ₁ - W ₁		0,00610 Ω							
V ₁ - W ₁		0,00610 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		400,0 D	50	198,9	4,77		1000	0,03	
Locked rotor test		75,6 D	50	570,3	23,0		0	0,31	
Thermal test (100% load)	3033,0	400,5 D	50	572,2	327,8	315,0	992	0,83	96,1
Partial load points:									
~75% load	2278,0	400,3 D	50	446,3	245,3	236,3	994	0,79	96,3
~50% load	1515,0	400,2 D	50	333,4	164,2	157,5	996	0,71	95,9
~25% load	755,5	400,2 D	50	243,2	84,0	78,8	998	0,50	93,7
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				67,4	1	1 Resistance			
Frame :				28,9	2	2 Thermometer			
Bearing D-end :				52,5	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		12.4.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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