



Test Report				Date of issue: 5.6.2014						
				Serial No.: 3GF11061011						
				Type: M3KP 355LKA 6 IMV1/IM3011						
				Product Code: 3GKP353810-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 Insul.cl.F IP55 Ambient temp. +45°C				400	D 50	355	992	645	0,83	S1
Resistance				Insulation resistance at 47,5 °C				Overload		
Line Ambient: 20,0 °C				1000 MΩ 1000 V				Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub> 0,00456 Ω										
U <sub>1</sub> - W <sub>1</sub> 0,00457 Ω										
V <sub>1</sub> - W <sub>1</sub> 0,00457 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	265,5	5,60		1000	0,03		
Locked rotor test		67,5 D	50	645,3	22,6		0	0,30		
Thermal test (100% load)	3418,0	400,6 D	50	656,2	370,0	355,0	993	0,81	96,0	
Partial load points:										
~75% load	2558,0	400,7 D	50	520,5	277,0	266,3	995	0,77	96,1	
~50% load	1708,5	401,0 D	50	401,2	185,4	177,5	997	0,67	95,7	
~25% load	855,0	401,2 D	50	308,6	95,0	88,8	999	0,44	93,5	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				57,8	1	1 Resistance				
Frame :				34,4	2	2 Thermometer				
Bearing D-end :				44,4	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		23.2.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211		Telefax +358 10 22 47372	

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