



Test Report				Date of issue: 5.6.2014					
				Serial No.: 3GP11027636					
				Tag No.:					
				Order No.: 596143-20 / 30171211-1					
				Type: M3KP 355SMC 4 B3					
				Product Code: 3GKP352230-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X					
Rating:									
3~Motor		V	Hz	kW	r/min	A	cos φ	Duty	
Insul.cl.F		400	D 50	355	1487	616	0,86	S1	
IP55									
Resistance			Ambient: 21,5 °C		Insulation resistance at 41,5 °C				
Line					3000 MΩ		1000 V		
U ₁ - V ₁			0,00434 Ω						
U ₁ - W ₁			0,00434 Ω						
V ₁ - W ₁			0,00434 Ω						
				High-voltage test winding		1800 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		399,9 D	50	168,0	5,03		1500	0,04	
Locked rotor test		75,8 D	50	615,8	23,5		0	0,29	
Thermal test (100% load)	2280,0	400,3 D	50	616,4	370,1	355,0	1487	0,87	95,9
Partial load points:									
~75% load	1716,1	400,3 D	50	470,6	276,8	266,3	1491	0,85	96,2
~50% load	1142,6	400,7 D	50	337,2	185,1	177,5	1494	0,79	95,9
~25% load	569,7	400,9 D	50	224,4	94,6	88,8	1497	0,61	93,8
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			79,4	1			1 Resistance		
Frame :			31,1	2			2 Thermometer		
Bearing D-end :			53,9	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		13.1.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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