



Test Report				Date of issue: 5.6.2014						
				Serial No.: 3GP11019357						
				Type: M3KP 355SMA 6 B3						
				Product Code: 3GKP353210-ADG						
				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				400	D 50	150	994	274	0,83	S1
Insul.cl.F				415	D 50	150	994	271	0,81	S1
IP55				690	Y 50	150,0	993	159	0,83	S1
Eff class IE2				400 V 50Hz : IE2 - 95.4(100%) - 95.4(75%) - 94,8(50%)						
Resistance Line				Ambient: 20,0 °C			Insulation resistance at 32,0 °C			
U ₁ - V ₁				0,01260 Ω			14000 MΩ			1000 V
U ₁ - W ₁				0,01261 Ω						
V ₁ - W ₁				0,01260 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		400,0 D	50	95,5	2,85		1000	0,04		
Locked rotor test		78,3 D	50	273,0	9,84		0	0,27		
Thermal test (100% load)	1443,0	401,2 D	50	274,7	157,0	150,0	993	0,83	95,5	
Partial load points:										
~75% load	1083,3	401,6 D	50	214,4	117,7	112,5	995	0,79	95,6	
~50% load	722,9	401,9 D	50	160,6	78,9	75,0	997	0,71	95,1	
~25% load	367,4	402,1 D	50	117,3	40,6	37,5	999	0,50	92,3	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :					51,8	1		1 Resistance		
Frame :					28,7	2		2 Thermometer		
Bearing D-end :					34,3	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			28.10.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211		
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