



Test Report				Date of issue: 5.6.2014					
				Serial No.: 3GP11016947					
				Type: M3KP 355SMB 6					
				Product Code: 3GKP353220-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	185	993	335	0,83	S1	
		415 D	50	185	994	325	0,82	S1	
		690 Y	50	185	994	193	0,84	S1	
Eff class IE2		400 V 50Hz : IE2 - 95.7(100%) - 95.7(75%) - 95.1(50%)							
Resistance Line		Ambient: 21,5 °C		Insulation resistance at 47,0 °C		Overload			
U <sub>1</sub> - V <sub>1</sub>		0,01000 Ω		3600 MΩ		1000 V		Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>		0,01001 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,01000 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		399,9 D	50	113,6	3,06		1000	0,04	
Locked rotor test		77,0 D	50	335,0	12,0		0	0,27	
Thermal test (100% load)	1779,0	400,4 D	50	336,9	193,3	185,0	994	0,83	95,7
Partial load points:									
~75% load	1327,7	400,4 D	50	263,0	144,8	138,8	996	0,80	95,8
~50% load	889,3	400,5 D	50	196,8	97,0	92,5	997	0,71	95,3
~25% load	451,8	400,6 D	50	143,2	49,9	46,3	999	0,50	92,8
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				53,4	1		1 Resistance		
Frame :				30,1	2		2 Thermometer		
Bearing D-end :				35,6	2		3 Thermocouples		
Rotor:				80,7	3				
Ambient Temperature :		25,0			2				
<p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1.            PLL determined from residual loss.</p>									
On behalf of customer									
On behalf of manufacturer		Date of test		8.1.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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