



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GP11025338							
				Type: M3KP 315SMC 4 B3							
				Product Code: 3GKP312230-G							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D 50	150	1488	271	0,84	S1	
Insul.cl.F				415	D 50	150	1489	264	0,83	S1	
IP55				690	Y 50	150	1488	156	0,84	S1	
Eff class IE2				400 V 50Hz : IE2 - 95.6(100%) - 95.6(75%) - 95.1(50%)							
Resistance Line				Ambient: 22,5 °C				Insulation resistance at 55,5 °C		Overload	
U ₁ - V ₁				0,01321 Ω				1200 MΩ		1000 V	
U ₁ - W ₁				0,01321 Ω						Torque 160% 15s	
V ₁ - W ₁				0,01319 Ω							
								High-voltage test winding		2000 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	92,8	2,71		1500	0,04			
Locked rotor test		70,7 D	50	271,2	10,14		0	0,31			
Thermal test (100% load)	962,7	400,0 D	50	270,9	157,3	150,0	1488	0,84	95,4		
Partial load points:											
~75% load	721,5	400,2 D	50	211,6	117,8	112,5	1492	0,80	95,5		
~50% load	482,2	400,1 D	50	158,3	78,9	75,0	1495	0,72	95,1		
~25% load	241,8	400,2 D	50	115,4	40,5	37,5	1497	0,51	92,5		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					66,0	1		1 Resistance			
Frame :					33,9	2		2 Thermometer			
Bearing D-end :					49,9	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				13.10.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211				
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