



Test Report				Date of issue: 6.6.2014						
				Serial No.: 3GF12116531						
				Type: M3KP 160MLB 6 IMB3/IM1001						
				Product Code: 3GKP163420-ADH						
				Protection type: Ex de IIB T4 Gb						
				Cert. No.: LCIE 11 ATEX 3087X / IECEX LCI 09.0008X						
Rating:										
				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	7,5	981	9,9	0,70	S1
Insul.cl.F				400	D 50	7,5	981	17,1	0,70	S1
IP55				415	D 50	7,5	983	16,5	0,70	S1
Eff class IE2				50Hz : IE2 - 89.6(100%) - 89.1(75%) - 86.9(50%)						
Resistance				Insulation resistance at 41,5 °C						
Line				Ambient: 23,0 °C						
U ₁ - V ₁				0,57440 Ω						
U ₁ - W ₁				0,57330 Ω						
V ₁ - W ₁				0,57440 Ω						
				2500 MΩ 1000 V						
				High-voltage test winding 2900 V				1 s		
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P ₁ [kW]	Output P ₂ [kW]	n[r/min]	cos φ	η [%]	
No load test		400,0 D	50	11,1	0,46		1000	0,06		
Locked rotor test		77,9 D	50	17,7	0,81		0	0,34		
Thermal test (100% load)	73,1	400,6 D	50	17,6	8,37	7,50	979	0,69	89,6	
Partial load points:										
~75% load	54,9	400,1 D	50	15,1	6,32	5,62	985	0,60	89,1	
~50% load	36,8	400,2 D	50	13,1	4,32	3,75	991	0,48	86,9	
~25% load	17,5	400,3 D	50	11,7	2,37	1,87	996	0,29	79,2	
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method			
Stator winding :				33,2	1	1 Resistance				
Frame :				19,8	2	2 Thermometer				
Bearing D-end :				21,2	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 16.6.2012										
Tested by ABB Oy, Motors and Generators, Vaasa, Finland										
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