



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF12116531							
				Type: M3JP 160MLB 6 IMB3/IM1001							
				Product Code: 3GJP163420-ADH							
				Protection type: Ex d 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				Ambient: 23,0 °C				Insulation resistance at 41,5 °C			
Line				2500 MΩ				1000 V			
U ₁ - V ₁				0,57440 Ω							
U ₁ - W ₁				0,57330 Ω							
V ₁ - W ₁				0,57440 Ω							
				High-voltage test winding				2900 V 1 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	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	33,2	1		1 Resistance			
Frame :				19,8	19,8	2		2 Thermometer			
Bearing D-end :				21,2	21,2	2		3 Thermocouples			
Ambient Temperature :				25,0	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								Telephone +358 10 2211 Telefax +358 10 22 47372			

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