



Test Report				Date of issue: 4.6.2014							
				Serial No.: 0751-010227548							
				Type: M3JP 160MLB 6 B3							
				Product Code: 3GJP163420-H							
				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				400	D 50	11	972	21,7	0,81	S1	
Insul.cl.F				415	D 50	11	975	21,4	0,79	S1	
IP55				690	Y 50	11	972	12,6	0,81	S1	
Eff class IE2				400 V 50Hz : IE2 - 90.1(100%) - 90.8(75%) - 90.4(50%)							
Resistance				Insulation resistance at 22,0 °C				Overload			
Line				Ambient: 22,0 °C				Torque 160% 15s			
U ₁ - V ₁				20000 MΩ				1000 V			
U ₁ - W ₁				0,58500 Ω							
V ₁ - W ₁				0,58520 Ω							
				0,58600 Ω							
				High-voltage test winding				2400 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		400,1 D	50	10,3	0,39		1000	0,06			
Locked rotor test		93,6 D	50	23,1	1,31		0	0,35			
Thermal test (100% load)	138,7	400,0 D	50	22,1	12,2	11,0	973	0,80	90,1		
Partial load points:											
~75% load	80,2	400,0 D	50	17,8	9,10	8,24	981	0,74	90,6		
~50% load	53,9	400,0 D	50	14,2	6,20	5,58	988	0,63	90,0		
~25% load	26,8	400,0 D	50	11,4	3,26	2,79	995	0,41	85,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				50,2	30,0	1		1 Resistance			
Frame :				30,0	29,0	2		2 Thermometer			
Bearing D-end :				29,0	78,5	2		3 Thermocouples			
Rotor:				78,5		3					
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			9.7.2008					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211 Telefax +358 10 22 47372			

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