



Test Report				Date of issue: 4.6.2014					
				Serial No.: 0751-010227549					
				Type: M3JP 160MLE 4 B3					
				Product Code: 3GJP162450-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	15	1467	28	0,84	S1		
Insul.cl.F	415	D 50	15	1471	27,6	0,82	S1		
IP55	690	Y 50	15	1467	16	0,84	S1		
Eff class IE2 400 V 50Hz : IE2 - 92.0(100%) - 92.4(75%) - 92.1(50%)									
Resistance				Insulation resistance at 49,0 °C		Overload			
Line	Ambient: 23,5 °C			10000 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁	0,34390 Ω								
U ₁ - W ₁	0,34380 Ω								
V ₁ - W ₁	0,34370 Ω								
				High-voltage test winding 1900 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		400,1 D	50	11,17	0,46		1500	0,06	
Locked rotor test		87,3 D	50	30,1	1,70		0	0,37	
Thermal test (100% load)	97,7	400,0 D	50	28,4	16,4	15,0	1464	0,83	91,6
Partial load points:									
~75% load	73,2	400,1 D	50	22,5	12,3	11,3	1474	0,79	92,0
~50% load	48,9	400,1 D	50	17,3	8,30	7,59	1483	0,69	91,4
~25% load	24,5	400,0 D	50	13,1	4,37	3,82	1490	0,48	87,4
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				45,8	1	1 Resistance			
Frame :				27,0	2	2 Thermometer			
Bearing D-end :				29,0	2	3 Thermocouples			
Rotor:				74,5	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		9.6.2008				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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