



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094428					
				Order No.: 599608-3					
				Type: M3JP 160MLD 2 IMB3/IM1001					
				Product Code: 3GJP161440-ADH222					
				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	22	2929	22,4	0,90	S1		
Insul.cl.F	400	D 50	22	2929	38,6	0,90	S1		
IP55	415	D 50	22	2935	37,7	0,89	S1		
Eff class IE1		50Hz : IE1 - 91.2(100%) - 91.6(75%) - 91.0(50%)							
Resistance Line			Ambient: 21,5 °C		Insulation resistance at 46,5 °C				
U ₁ - V ₁			0,20940 Ω		11000 MΩ		1000 V		
U ₁ - W ₁			0,20970 Ω						
V ₁ - W ₁			0,20990 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		399,9 D	50	10,2	0,70		1498	0,10	
Locked rotor test		71,3 D	50	38,7	2,04		0	0,43	
Thermal test (100% load)	71,7	400,1 D	50	38,7	24,1	22,0	2932	0,90	91,2
Partial load points:									
~75% load	53,8	400,0 D	50	29,5	18,0	16,5	2954	0,88	91,9
~50% load	35,8	400,0 D	50	21,2	12,0	11,0	2970	0,82	91,4
~25% load	17,8	400,0 D	50	14,2	6,29	5,50	2986	0,64	87,5
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				68,6	1		1 Resistance		
Frame :				23,1	2		2 Thermometer		
Bearing D-end :				29,5	2		3 Thermocouples		
Rotor :				102,8	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		14.12.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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