



Test Report				Date of issue: 4.6.2014							
				Serial No.:							
				Tag No.: 3GF11094419							
				Order No.: 599608-4							
				Type: M3JP 180MLB 2 IMB3/IM1001							
				Product Code: 3GJP181420-ADH							
				Protection type: Ex d IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3088X / IECEX LCI 09.0009X							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		690	Y 50	30	2943	30,2	0,90	S1			
Insul.cl.F		400	D 50	30	2943	52	0,90	S1			
IP55		415	D 50	30	2948	50	0,90	S1			
Eff class IE2		50Hz : IE2 - 92.5(100%) - 93.0(75%) - 92,6(50%)									
Resistance				Ambient: 19,5 °C			Insulation resistance at 28,0 °C		Overload		
Line				18000 MΩ		1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>		0,14380 Ω									
U <sub>1</sub> - W <sub>1</sub>		0,14350 Ω									
V <sub>1</sub> - W <sub>1</sub>		0,14340 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	13,4	0,89			0,10			
Locked rotor test		67,4	D 50	52,0	2,49			0,41			
Thermal test (100% load)		400,1	D 50	52,2	32,5	30,0	2948	0,90	92,2		
Partial load points:											
~75% load		399,8	D 50	39,8	24,2	22,5	2969	0,88	92,9		
~50% load		400,1	D 50	28,4	16,3	15,0	2983	0,83	92,3		
~25% load		400,1	D 50	18,6	8,48	7,50	2994	0,66	88,4		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				57,4	1			1 Resistance			
Frame :				20,5	2			2 Thermometer			
Bearing D-end :				28,3	2			3 Thermocouples			
Rotor :				74,2	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		17.1.2012						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372			

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