



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF11094429							
				Type: M3JP 180MLC 6 IMB3/IM1001							
				Product Code: 3GJP183430-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	18,5	975	23,2	0,74	S1	
Insul.cl.F				400	D 50	18,5	975	40	0,74	S1	
IP55				415	D 50	18,5	976	40,3	0,71	S1	
Eff class IE1				400 V 50Hz: IE1 - 90.1(100%) - 90.2(75%) - 88.7(50%)							
Resistance				Ambient: 21,5 °C				Insulation resistance at 35,5 °C		Overload	
Line				13000 MΩ				1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,25580 Ω							
U ₁ - W ₁				0,25640 Ω							
V ₁ - W ₁				0,25550 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	25,5	0,89		998	0,05			
Locked rotor test		85,3	D 50	40,0	2,14		0	0,36			
Thermal test (100% load)	181,2	400,1	D 50	41,3	20,8	18,5	971	0,73	88,9		
Partial load points:											
~75% load	135,4	399,9	D 50	34,7	15,5	13,9	979	0,65	89,3		
~50% load	91,4	400,0	D 50	29,4	10,5	9,25	986	0,52	88,1		
~25% load	45,4	400,0	D 50	25,7	5,64	4,62	993	0,32	82,1		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				81,4	1	1		1 Resistance			
Frame :				36,5	2	2		2 Thermometer			
Bearing D-end :				48,1	2	3		3 Thermocouples			
Rotor :				97,7	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		26.2.2012						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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