



Test Report				Date of issue: 25.11.2015							
				Type: M3JM 250SMB 6 Product Code: 3GJM253220-_DG Protection type: Ex d I Mb Cert. No.: LCIE 10 ATEX 3063X IECEX LCI 04.0012							
Rating:											
				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y	50	37	989	40	0,82	S1
Insul.cl.F				400	D	50	37	989	70	0,82	S1
IP66				415	D	50	37	990	69	0,80	S1
Eff class IE3				50Hz : IE3 - 93.5%(100%) - 93.7%(75%) - 93.0%(50%)							
Resistance Line				Ambient: 23 °C		Insulation resistance at 36 °C 20000 MΩ 1000 V		Overload Torque 160% 15s			
U ₁ - V ₁				0,09402 Ω							
U ₁ - W ₁				0,09413 Ω							
V ₁ - W ₁				0,09395 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]	η[r/min]	cos φ	η [%]		
No load test		400,0 D	50	28,5	1,03		998	0,05			
Locked rotor test		72,3 D	50	72,0	3,22		0	0,36			
Thermal test (100% load)	357,3	400,1 D	50	69,9	39,6	37,0	989	0,82	93,5		
Partial load points:											
~75% load	267,8	400,0 D	50	55,3	29,6	27,8	993	0,77	93,7		
~50% load	178,6	400,0 D	50	42,4	19,9	18,5	996	0,68	93,0		
~25% load	89,2	400,0 D	50	32,4	10,4	9,25	998	0,46	89,2		
Temperature rise at rated load.				°C	[K]	Method	Measurement method				
Stator winding :				43	1	1 Resistance					
Frame :				23	2	2 Thermocouples					
Bearing D-end :				34	2	3 Thermometer					
Rotor:				61	3						
Ambient Temperature :				25	2						
Starting current (I _S / I _N) : 7,46 Locked rotor torque (T _L / T _N) : 3,30											
These tests have been carried out on motor no. 3GF12142686, on date 2013-01-10, which is identical in electrical design with the above.											
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											
Tested by ABB Oy, Motors and Generators, Vaasa, Finland											
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