



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 315SMC 6 Product Code: 3GJM313230-_DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3090 X / IECEx LCI 04.0007X						
Rating:										
				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	75	994	79,4	0,83	S1
Insul.cl.F				400	D 50	75	994	138	0,83	S1
IP66				660	Y 50	75	993	82,3	0,84	S1
				380	D 50	75	993	143	0,84	S1
				415	D 50	75	994	134	0,82	S1
				460	D 60	75	1195	121	0,82	S1
Eff class IE3				50Hz : IE3 - 95.3%(100%)-95.6%(75%)-95.3%(50%) 60Hz : IE3 - 95.7%(100%)						
Resistance				Insulation resistance at 36 °C				Overload		
Line				Ambient: 22 °C				5900 MΩ 1000 V		
U ₁ - V ₁				0,03198 Ω				Torque 160 % 15s		
U ₁ - W ₁				0,03200 Ω						
V ₁ - W ₁				0,03200 Ω						
				High-voltage test winding 1800 V				60 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 D	50	50,2	1,00		1000	0,03		
Locked rotor test		81,9 D	50	135,1	4,44		0	0,23		
Thermal test (100% load)	721,3	400,1 D	50	137,5	77,9	75,0	994	0,82	96,3	
Partial load points:										
~75% load	541,2	400 D	50	108,2	58,3	56,3	996	0,78	96,5	
~50% load	362,5	400 D	50	82,1	39,0	37,5	997	0,69	96,2	
~25% load	179,7	400 D	50	61,4	19,9	18,8	999	0,47	94,3	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				31	1			1 Resistance		
Frame :				17	2			2 Thermocouples		
Bearing D-end :				22	2			3 Thermometer		
Ambient Temperature :				25	2					
These tests have been carried out on motor no. 3GP11022753, on date 2011-10-02 which is identical in 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 Telephone +358 10 2211 Telefax +358 10 22 47372										

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