



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 315SMC 6					
				Product Code: 3GJM313230-DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEX LCI 04.0007X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	110	991	116	0,83	S1	
Insul.cl.F		400	D 50	110	991	201	0,83	S1	
IP66		415	D 50	110	992	196	0,82	S1	
50Hz : IE2 - 95.0%(100%) - 95.0%(75%) - 94.6%(50%)									
Eff class IE2									
Resistance				Insulation resistance at 48 °C			Overload		
Line		Ambient: 20 °C		14000 MΩ 1000 V			Torque 160 % 15s		
U ₁ - V ₁		0,02490 Ω							
U ₁ - W ₁		0,02488 Ω							
V ₁ - W ₁		0,02491 Ω							
				High-voltage test winding 1900 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		399,9 D	50	74,8	2,30		1000	0,04	
Locked rotor test		76,8 D	50	202,0	8,16		0	0,30	
Thermal test (100% load)	1060	400,3 D	50	202,1	116,1	110,0	992	0,83	94,8
Partial load points:									
~75% load	795,7	400,1 D	50	158,6	86,9	82,5	994	0,79	95,0
~50% load	529,0	400,2 D	50	119,7	58,2	55,0	996	0,70	94,5
~25% load	264,0	400,1 D	50	88,9	30,1	27,5	998	0,49	91,5
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				58	1			1 Resistance	
Frame :				34	2			2 Thermocouples	
Bearing D-end :				48	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GP11020934, on date 2011-10-26, which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>									
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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