



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 355SMA 2 B3		Product Code: 3GJM351210-ADK			
				Protection type: Ex d I Mb		Cert. No.: LCIE 10 ATEX 3089 X /		IECEX LCI 04.0008X	
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		400	D 50	185	2986	313	0,88	S1	
Insul.cl.F		415	D 50	185	2986	304	0,87	S1	
IP66		690	Y 50	185	2986	195	0,88	S1	
Eff class IE4		50Hz : IE4 - 97.0%(100%) - 96.7%(75%) - 95.9%(50%)							
Resistance				Insulation resistance at 39,0 °C					
Line		Ambient: 20,5 °C		4000 MΩ		1000 V			
U ₁ - V ₁		0,00608 Ω							
U ₁ - W ₁		0,00610 Ω							
V ₁ - W ₁		0,00608 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]	η[r/min]	cos φ	η [%]
No load test		400,2 D	50	88,8	3,32		3000	0,05	
Locked rotor test		54,9 D	50	311,3	6,77		0	0,23	
Thermal test (100% load)	591,5	400,1 D	50	312,7	190,8	185,0	2986	0,88	97,0
Partial load points:									
~75% load	443,7	400,5 D	50	242,4	143,5	138,8	2990	0,85	96,7
~50% load	293,3	400,6 D	50	177,2	96,5	92,5	2994	0,79	95,9
~25% load	148,3	400,2 D	50	121,3	49,8	46,3	2997	0,59	92,9
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				45,8	1	1		1 Resistance	
Frame :				23,0	2	2		2 Thermometer	
Bearing D-end :				30,7	2	3		3 Thermocouples	
Ambient Temperature :				25,0	2				
<p>These tests have been carried out on motor no. 3GP11023338, on date 2012-01-15 which is identical in 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

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