



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355SMC 4						
				Product Code: 3GJM352230-DK						
				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		690	Y 50	315	1490	319	0,85	S1		
Insul.cl.F		400	D 50	315	1490	554	0,85	S1		
IP66		660	Y 50	315	1490	330	0,86	S1		
		380	D 50	315	1490	576	0,86	S1		
		415	D 50	315	1492	543	0,84	S1		
		460	D 60	315	1791	479	0,85	S1		
Eff class IE3		50Hz : IE3 - 96.6%(100%)-96.8%(75%)-96.5%(50%) 60Hz : IE3 - 96.7%(100%)								
Resistance				Insulation resistance at 69,5 °C			Overload			
Line		Ambient: 23,0 °C		348 MΩ 1000 V			Torque 160 % 15s			
U ₁ - V ₁		0,00453 Ω								
U ₁ - W ₁		0,00452 Ω								
V ₁ - W ₁		0,00453 Ω								
				High-voltage test winding 1900 V			60 s			
Test		Line		Input		Output				
		U[V]	f[Hz]	I[A]	P1 [kW]	P2 [kW]	n[r/min]	cos φ	η [%]	
No load test		399,8 D	50	196,2	3,24		1500	0,02		
Locked rotor test		69,1 D	50	552,4	20,3		0	0,31		
Thermal test (100% load)		400,5 D	50	553,5	324,0	315,0	1490	0,85	97,2	
Partial load points:										
~75% load		400,7 D	50	433,8	242,7	236,3	1493	0,81	97,3	
~50% load		400,9 D	50	326,9	162,2	157,5	1496	0,72	97,1	
~25% load		401,0 D	50	242,3	82,4	78,8	1498	0,49	95,6	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method			
Stator winding :				62	1		1 Resistance			
Frame :				30	2		2 Thermometer			
Bearing D-end :				47	2		3 Thermocouples			
Ambient Temperature :		25			2					
<p>These tests have been carried out on motor no. 3GP11022847, on date 2011-09-06 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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