



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315LKB 2					
				Product Code: 3GJM311820-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	250	2982	240	0,91	S1	
Insul.cl.F		400	D 50	250	2982	413	0,91	S1	
IP66		660	Y 50	250	2979	251	0,91	S1	
		380	D 50	250	2979	436	0,91	S1	
		415	D 50	250	2983	398	0,91	S1	
		460	D 60	250	3583	359	0,91	S1	
		50Hz : IE3 - 96.4%(100%)-96.8%(75%)-96.8%(50%)							
Eff class IE3		60Hz : IE3 - 96.1%(100%)							
Resistance				Insulation resistance at 54 °C			Overload		
Line		Ambient: 22 °C		12000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,00831 Ω							
U ₁ - W ₁		0,00831 Ω							
V ₁ - W ₁		0,00831 Ω							
				High-voltage test winding 2400 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		400,1 D	50	82,2	2,15		3000	0,04	
Locked rotor test		64,5 D	50	411,1	14,5		0	0,31	
Thermal test (100% load)	800,9	400,1 D	50	413,0	258,0	250,0	2982	0,90	96,9
Partial load points:									
~75% load	596,5	400,3 D	50	312,0	192,9	187,5	2987	0,89	97,2
~50% load	409,2	400,4 D	50	217,6	128,6	125,0	2992	0,85	97,2
~25% load	205,5	400,6 D	50	133,7	65,1	62,5	2996	0,70	96,0
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				75	1			1 Resistance	
Frame :				36	2			2 Thermocouples	
Bearing D-end :				61	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094695, on date 2011-12-20 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>									
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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