



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315LKB 4					
				Product Code: 3GJM312820-_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	200	1490	201	0,87	S1	
Insul.cl.F		400	D 50	200	1490	346	0,87	S1	
IP66		660	Y 50	200	1489	208	0,88	S1	
		380	D 50	200	1489	361	0,88	S1	
		415	D 50	200	1491	338	0,86	S1	
		460	D 60	200	1791	301	0,87	S1	
Eff class IE3		50Hz : IE3 - 96.6%(100%)-96.9%(75%)-96.9%(50%)							
		60Hz : IE3 - 96.4%(100%)							
Resistance		Ambient: 22 °C			Insulation resistance at 32 °C		Overload		
Line		U ₁ - V ₁			23000 MΩ		Torque 160 % 15s		
		U ₁ - W ₁			1000 V				
		V ₁ - W ₁							
		0,00941 Ω			High-voltage test winding		2400 V 60 s		
		0,00942 Ω							
		0,00942 Ω							
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		400,0 D	50	110,6	1,82		1500	0,02	
Locked rotor test		70,7 D	50	343,2	11,44		0	0,27	
Thermal test (100% load)	1282,0	400,1 D	50	345,5	206,5	200,0	1490	0,86	96,9
Partial load points:									
~75% load	955,5	400,0 D	50	267,9	154,5	150,0	1493	0,83	97,1
~50% load	636,5	400,1 D	50	197,5	103,1	100,0	1495	0,75	97,0
~25% load	320,2	400,1 D	50	139,9	52,3	50,0	1498	0,54	95,6
Temperature rise at rated load.		°C		K	Method		Measurement method		
		Stator winding :		49	1		1 Resistance		
		Frame :		27	2		2 Thermometer		
		Bearing D-end :		37	2		3 Thermocouples		
Ambient Temperature :		25			2				
<p>These tests have been carried out on motor no. 3GF11094706, on date 2011-12-03 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>									
						Telephone +358 10 2211			
						Telefax +358 10 22 47372			

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