



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 315LKC 6 B3					
				Product Code: 3GJM313830-K					
				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	400	D 50	150	994	281	0,80	S1		
Insul.cl.F	415	D 50	150	994	278	0,78	S1		
IP66	690	Y 50	150	994	162	0,80	S1		
Eff class IE4 50Hz : IE4 - 96.8%(100%) - 97.0%(75%) - 96.7%(50%)									
Resistance Line				Insulation resistance at 38,0 °C					
Ambient: 25,0 °C				2000 MΩ 1000 V					
U ₁ - V ₁ 0,01297 Ω									
U ₁ - W ₁ 0,01297 Ω									
V ₁ - W ₁ 0,01295 Ω									
				High-voltage test winding 1800 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		400,0 D	50	124,1	1,75		1000	0,02	
Locked rotor test		70,7 D	50	281,1	9,32		0	0,27	
Thermal test (100% load)	1441,0	400,1 D	50	280,9	154,9	150,0	994	0,80	96,8
Partial load points:									
~75% load	1077,5	400,2 D	50	225,7	116,0	112,5	996	0,74	97,0
~50% load	722,0	400,1 D	50	177,5	77,5	75,0	997	0,63	96,7
~25% load	357,2	400,1 D	50	141,0	39,5	37,5	999	0,40	95,0
Temperature rise at rated load.								Measurement method	
				[°C]	[K]	Method			
Stator winding :				39,9	31,8	1		1 Resistance	
Frame :				23,4	23,4	2		2 Thermometer	
Bearing D-end :				31,8	31,8	2		3 Thermocouples	
Ambient Temperature :				25,0	25,0	2			
These tests have been carried out on motor no. 3GP11022758, on date 2011-08-24 which is identical in design with the above.									
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
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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