



Test Report				Date of issue: 28.5.2015							
Customer:				Serial No.:							
Customer ref.:				Order No.:							
				Type: M3GP 200MLB 2							
				Product Code: 3GGP201420-ADK							
				Protection type: Ex tc IIIB/C T125C Dc							
				Cert. No.: LCIE 13 ATEX 1034 X/ IECEx LCIE 13.0047 X							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		690	Y 50	37,0	2960	35,9	0,91	S1			
Insul.cl.F		400	D 50	37,0	2960	61,9	0,91	S1			
		660	Y 50	37,0	2955	37,3	0,92	S1			
		380	D 50	37,0	2955	64,8	0,92	S1			
		415	D 50	37,0	2964	60,3	0,90	S1			
Eff class IE3		460	D 60	37,0	3566	54,0	0,10	S1			
		50Hz : IE3-94,7(100%)-95,2(75%)-95,0(50%)									
		60Hz : IE3-94,0(100%)									
Resistance Line				Ambient: 23,1 °C			Insulation resistance at 24 °C		Overload		
U <sub>1</sub> - V <sub>1</sub>				0,08421 Ω			R > 2000 Mohm 1000 V		Current 150 % 120s		
U <sub>1</sub> - W <sub>1</sub>				0,08247 Ω					Torque 160 % 15s		
V <sub>1</sub> - W <sub>1</sub>				0,08494 Ω					Speed 120 % 120s		
							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		400,3 D	50	16,4	0,63		3000	0,06			
Locked rotor test		71,3 D	50	68,1	2,93		0	0,35			
Thermal test ( 100% load )	119,2	400 D	50	63,5	39,03	37,00	2964	0,89	94,79		
Partial load points:											
~75% load	91,3	400 D	50	49,9	29,87	28,43	2973	0,86	95,18		
~50% load	61,8	400 D	50	36,3	20,32	19,32	2983	0,81	95,10		
~25% load	31,9	400 D	50	24,3	10,71	9,99	2993	0,64	93,23		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				57,8	57,8	1		1 Resistance			
Frame :				35,5	35,5	2		2 Thermometer			
Bearing D-end :				29	29	2		3 Thermocouples			
Ambient Temperature :				24	24	2					
<p>These tests have been carried out on motor no. 3GV1110796872001, on date 2011-09-26 which is identical in electrical 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				Date of test							
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00		Telefax +46 (0)21 32 90 22			

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