



Test Report				Date of issue: 28.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3KP 200MLB 2						
				Product Code: 3GKP201420-ADK						
				Protection type: Ex de IIB T4 Gb						
				Cert. No.: LCIE 10 ATEX 3061X/						
				IECEX LCI 04.0011X						
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		
IP55		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		
		460	D 60	37,0	3566	54,0	0,10	S1		
Eff class IE3		50Hz : IE3-94,7(100%)-95,2(75%)-95,0(50%)								
		60Hz : IE3-94,0(100%)								
Resistance				Insulation resistance at 24 °C				Overload		
Line		Ambient: 23,1 °C		R > 2000 Mohm		1000 V		Current 150 % 120s		
U ₁ - V ₁		0,08421 Ω						Torque 160 % 15s		
U ₁ - W ₁		0,08247 Ω						Speed 120 % 120s		
V ₁ - W ₁		0,08494 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		400,3 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	1			1 Resistance		
Frame :				35,5	2			2 Thermometer		
Bearing D-end :				29	2			3 Thermocouples		
Ambient Temperature :				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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