



Test Report				Date of issue: 5.6.2014							
				Serial No.: 75031403008001B							
				Type: M3KP 315MLA 8 IMB3/IM1001							
				Product Code: 3GKP314410-ADG							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3090X / IECEX LCI 04.0007X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D	50	110,0	740	203	0,83	S1
Insul.cl.F				690	Y	50	110,0	740	118	0,83	S1
IP55				415	D	50	110,0	741	200	0,81	S1
400 V 50Hz: 94.0(100%) - 94,3(75%) - 94.0(50%)											
Resistance Line				Ambient: 24,7 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				0,02923 Ω				R > 2000 Mohm		Voltage 130 % 180s	
U ₁ - W ₁				0,02925 Ω				1000 V		Torque 160 % 15s	
V ₁ - W ₁				0,02927 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		400,6 D	50	77,5	2		1500	0,04			
Locked rotor test		93,7 D	50	202,5	8,68		0	0,26			
Thermal test (100% load)	1422,8	400 D	50	210,7	117,40	110,00	738	0,80	93,70		
Partial load points:											
~75% load	1064,2	400 D	50	164,8	87,75	82,50	740	0,77	94,00		
~50% load	706,3	400 D	50	124,3	58,47	55,00	744	0,68	94,10		
~25% load	351,8	400 D	50	92,3	29,93	27,50	747	0,47	91,90		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :					78,9	1		1 Resistance			
Frame :					41,6	2		2 Thermometer			
Bearing D-end :					53,9	2		3 Thermocouples			
Ambient Temperature :				25		2					
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				Date of test				7.11.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China							Telephone +86 21 54723133 Telefax +86 21 54725009				

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