



Test Report				Date of issue: 4.6.2014							
				Serial No.: 500474635013001							
				Type: M3JP 315SMB 8 IMB3/IM1001							
				Product Code: 3GJP314220-ADG							
				Protection type: Ex d 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	75,0	741	140	0,82	S1
Insul.cl.F				690	Y	50	75,0	741	81	0,82	S1
IP55				415	D	50	75,0	742	137	0,81	S1
				400 V 50Hz: 93,7(100%) - 93,9(75%) - 93,4(50%)							
Resistance Line				Ambient: 26,0 °C				Insulation resistance at 22 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,04759 Ω				R > 2000 Mohm 1000 V		Voltage 130 % 120s	
U <sub>1</sub> - W <sub>1</sub>				0,04761 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,04759 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		400,4	D 50	59,1	1,572		750	0,04			
Locked rotor test		91,7	D 50	142,3	6,15		0	0,27			
Thermal test ( 100% load )	968,5	400	D 50	146,1	80,09	75,00	740	0,79	93,60		
Partial load points:											
~75% load	724,9	400	D 50	115,4	60,00	56,25	741	0,75	93,70		
~50% load	481,3	400	D 50	88,7	40,06	37,50	744	0,65	93,60		
~25% load	239,7	400	D 50	68,4	20,60	18,75	747	0,44	91,00		
Temperature rise at rated load.				[°C]		[K]	Method		Measurement method		
Stator winding :						71,3	1		1 Resistance		
Frame :						32,9	2		2 Thermometer		
Bearing D-end :						44,4	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				18.11.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China							Telephone +86 21 54723133				
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