



Test Report				Date of issue: 5.6.2014																															
				Serial No.: 500474635013001																															
				Type: M3KP 315SMB 8 IMB3/IM1001 Product Code: 3GKP314220-ADG Protection type: Ex de IIB T4 Gb Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X																															
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>400</td> <td>D</td> <td>50</td> <td>75,0</td> <td>741</td> <td>140</td> <td>0,82 S1</td> </tr> <tr> <td>690</td> <td>Y</td> <td>50</td> <td>75,0</td> <td>741</td> <td>81</td> <td>0,82 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>75,0</td> <td>742</td> <td>137</td> <td>0,81 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	400	D	50	75,0	741	140	0,82 S1	690	Y	50	75,0	741	81	0,82 S1	415	D	50	75,0	742	137	0,81 S1
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3-Motor Insul.cl.F IP55		400 V 50Hz: 93,7(100%) - 93,9(75%) - 93,4(50%)																																	
Resistance Line		Ambient: 26,0 °C U ₁ - V ₁ 0,04759 Ω U ₁ - W ₁ 0,04761 Ω V ₁ - W ₁ 0,04759 Ω		Insulation resistance at 22 °C R > 2000 Mohm 1000 V		Overload Voltage 130 % 120s Torque 160 % 15s 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 Telefax +86 21 54725009																													

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