



Test Report				Date of issue: 11.6.2014																															
				Serial No.: 75033776004001A																															
				Type: M3GP 315SMC 8 IMB3/IM1001 Product Code: 3GGP314230-ADG Protection type: Ex nA IIC T3 Gc Cert. No.: LCIE 12 ATEX 1008X IECEx LCI 07.0001X																															
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>90,0</td> <td>741</td> <td>168</td> <td>0,82 S1</td> </tr> <tr> <td>690</td> <td>Y</td> <td>50</td> <td>90,0</td> <td>741</td> <td>97</td> <td>0,82 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>90,0</td> <td>742</td> <td>164</td> <td>0,81 S1</td> </tr> </tbody> </table> <p>400 V 50Hz: 94.0(100%) - 94,2(75%) - 93,6(50%)</p>						V	Hz	kW	r/min	A	cos φ	Duty	400	D	50	90,0	741	168	0,82 S1	690	Y	50	90,0	741	97	0,82 S1	415	D	50	90,0	742	164	0,81 S1
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Resistance Line		Ambient: 17,0 °C U ₁ - V ₁ 0,03504 Ω U ₁ - W ₁ 0,03505 Ω V ₁ - W ₁ 0,03506 Ω		Insulation resistance at 17 °C R > 2000 Mohm 1000 V		Overload Voltage 130 % 180s 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		400,6 D	50	67,3	1,761		750	0,04																											
Locked rotor test		89,6 D	50	168,6	6,66		0	0,25																											
Thermal test (100% load)	1162,3	400 D	50	170,9	95,64	90,00	739	0,81	94,10																										
Partial load points:																																			
~75% load	868,6	400 D	50	134,9	71,52	67,50	742	0,77	94,40																										
~50% load	577,6	400 D	50	103,1	47,82	45,00	744	0,67	94,10																										
~25% load	287,6	400 D	50	78,5	24,56	22,50	747	0,45	91,60																										
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																												
		Stator winding :		70,6	1		1 Resistance																												
		Frame :		36,5	2		2 Thermometer																												
		Bearing D-end :		45,5	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		5.12.2011																															
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China						Telephone +86 21 54723133 Telefax +86 21 54725009																													

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