



Test Report				Date of issue: 10.6.2014																															
				Serial No.: 075033774004001																															
				Type: M3GP 280SMB 8 IMB3/IM1001 Product Code: 3GGP284220-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>45,0</td> <td>741</td> <td>89</td> <td>0,78 S1</td> </tr> <tr> <td>690</td> <td>Y</td> <td>50</td> <td>45,0</td> <td>741</td> <td>52</td> <td>0,78 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>45,0</td> <td>742</td> <td>90</td> <td>0,75 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	400	D	50	45,0	741	89	0,78 S1	690	Y	50	45,0	741	52	0,78 S1	415	D	50	45,0	742	90	0,75 S1
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3~Motor																																			
Insul.cl.F																																			
IP55																																			
Eff class IE2		50Hz : IE2 - 93,2(100%) - 93,2(75%) - 92,2(50%)																																	
Resistance Line			Ambient: 23,0 °C U ₁ - V ₁ 0,08225 Ω U ₁ - W ₁ 0,08260 Ω V ₁ - W ₁ 0,08235 Ω			Insulation resistance at 23 °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	40,5	1,15		750	0,04																											
Locked rotor test		90,9 D	50	90,2	3,82		0	0,27																											
Thermal test (100% load)	579,9	400 D	50	89,6	48,23	45,00	741	0,78	93,30																										
Partial load points:																																			
~75% load	433,5	400 D	50	72,1	36,12	33,75	744	0,72	93,40																										
~50% load	288,4	400 D	50	57,1	24,23	22,50	745	0,61	92,90																										
~25% load	143,6	400 D	50	45,6	12,56	11,25	748	0,40	89,60																										
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																												
Stator winding :				59,4	1		1 Resistance																												
Frame :				34,5	2		2 Thermometer																												
Bearing D-end :				36,3	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		3.12.2011																															
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China						Telephone +86 21 54723133		Telefax +86 21 54725009																											

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