



Type Test Report				Date of issue: 2013.12.20																	
				Serial No.: 3GH092113T5504																	
Customer:				Type: M3GP 132SMB 4 Product Code: 3GGP132442-_HB Protection type: Ex nA IIC T3 Gc Cert. No.: VTT 12 ATEX 050 X / IECEX VTT 12.0010 X																	
Customer ref.:																					
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>415</td> <td>D</td> <td>50</td> <td>5,50</td> <td>1460</td> <td>10,40</td> <td>0,82 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	415	D	50	5,50	1460	10,40	0,82 S1
V	Hz	kW	r/min	A	cos φ	Duty															
415	D	50	5,50	1460	10,40	0,82 S1															
3~Motor																					
Insul.cl.F																					
IP55																					
Eff class IE2		50Hz : IE2 - 89,0(100%) - 89,3(75%) - 88,3(50%)																			
Resistance				Insulation resistance at 30 °C		Overload															
Line				R > 2000 Mohm 1000 V		Current 150 % 120s															
U ₁ - V ₁				1,28800 Ω		Torque 160 % 15s															
U ₁ - W ₁				1,28400 Ω		Speed 120 % 120s															
V ₁ - W ₁				1,28800 Ω																	
				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		415 D	50	5,1	0,28		1500	0,08													
Locked rotor test		97,5 D	50	11,5	0,67		0	0,34													
Thermal test (100% load)	35,9	415 D	50	10,4	6,18	5,50	1461	0,82	89,00												
Partial load points:																					
~75% load	26,8	415 D	50	8,3	4,62	4,13	1471	0,77	89,30												
~50% load	17,7	415 D	50	6,3	3,11	2,75	1480	0,68	88,30												
~25% load	8,8	415 D	50	4,4	1,63	1,38	1489	0,51	84,40												
Temperature rise at rated load.				°C	[K]	Method		Measurement method													
Stator winding :				42,0	3			1 Resistance													
Frame :				9	3			2 Thermometer													
Bearing D-end :				26,6	3			3 Thermocouples													
Ambient Temperature :				25	3																
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		3.6.2009															
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain						Telephone		+34 93 728 85 00													
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