



Type Test Report				Date of issue: 24.8.2015																																																
Customer:				Serial No.:																																																
Customer ref.:				Type: M3BP 250SMB 2 Product Code: 3GBP251220-ADG																																																
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>690</td> <td>Y</td> <td>50</td> <td>2970</td> <td>74,2</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>2970</td> <td>128</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>2973</td> <td>125</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D</td> <td>60</td> <td>3572</td> <td>115</td> <td>0,90</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D</td> <td>60</td> <td>3575</td> <td>111</td> <td>0,89</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	2970	74,2	0,89	S1	400	D	50	2970	128	0,89	S1	415	D	50	2973	125	0,88	S1	440	D	60	3572	115	0,90	S1	460	D	60	3575	111	0,89	S1
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3~Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 94,5%(100%) - 94,8%(75%) - 94,4%(50%) 60Hz : IE3 - 94,4%(100%)																																																
Resistance Line				Ambient: 23,4 °C			Insulation resistance at 25 °C		Overload																																											
U ₁ - V ₁				0,03678 Ω			R > 2000 Mohm		Current 150 % 120s																																											
U ₁ - W ₁				0,03680 Ω			1000 V		Torque 160 % 15s																																											
V ₁ - W ₁				0,03663 Ω			High-voltage test winding		Speed 120 % 120s																																											
							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		401,4 D	50	32,8	1,33		3000	0,06																																												
Locked rotor test		70,5 D	50	134,9	6,02		0	0,37																																												
Thermal test (100% load)	241,0	400 D	50	128,8	78,88	75,00	2972	0,88	95,08																																											
Partial load points:																																																				
~75% load	180,5	400 D	50	98,8	59,08	56,35	2981	0,86	95,38																																											
~50% load	121,0	400 D	50	71,0	39,82	37,87	2988	0,81	95,11																																											
~25% load	60,3	400 D	50	46,8	20,38	18,90	2995	0,63	92,74																																											
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																												
Stator winding :				74,7	1			1 Resistance																																												
Frame :				46,9	2			2 Thermometer																																												
Bearing D-end :				46,4	2			3 Thermocouples																																												
Ambient Temperature :				25	2																																															
<p>These tests have been carried out on motor no. 3GV1110741828001, on date 2011-09-15 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p style="text-align: right;">Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>																																																				

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