



Type Test Report				Date of issue: 24.8.2015																																																
Customer:				Serial No.:																																																
Customer ref.:				Type: M3BP 225SMB 6 Product Code: 3GBP223220-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 50</td> <td>37,0</td> <td>985</td> <td>40,0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>37,0</td> <td>985</td> <td>69,1</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>37,0</td> <td>987</td> <td>66,5</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D 60</td> <td>37,0</td> <td>1186</td> <td>61,7</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>37,0</td> <td>1188</td> <td>59,6</td> <td>0,83</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	37,0	985	40,0	0,83	S1	400	D 50	37,0	985	69,1	0,83	S1	415	D 50	37,0	987	66,5	0,83	S1	440	D 60	37,0	1186	61,7	0,84	S1	460	D 60	37,0	1188	59,6	0,83	S1
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3~Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 93,1%(100%) - 94,0%(75%) - 94,0%(50%) 60Hz : IE2 - 93,6%(100%)																																																
Resistance Line				Ambient: 20,5 °C			Insulation resistance at 23 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																																											
U ₁ - V ₁				0,12890 Ω			High-voltage test winding 2400 V		60 s																																											
U ₁ - W ₁				0,12770 Ω																																																
V ₁ - W ₁				0,12740 Ω																																																
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		401,2 D	50	21,9	0,78		1000	0,05																																												
Locked rotor test		91,1 D	50	62,6	3,13			0,32																																												
Thermal test (100% load)	358,8	400 D	50	69,3	39,87	37,00	985	0,83	92,80																																											
Partial load points:																																																				
~75% load	271,0	400 D	50	53,9	30,02	28,08	989	0,80	93,54																																											
~50% load	181,1	400 D	50	39,8	20,13	18,84	993	0,73	93,60																																											
~25% load	92,3	400 D	50	28,6	10,55	9,64	997	0,53	91,35																																											
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																												
Stator winding :				68,9	1	1 Resistance		1 Resistance																																												
Frame :				59,2	2	2 Thermometer		2 Thermometer																																												
Bearing D-end :				48,1	2	3 Thermocouples		3 Thermocouples																																												
Ambient Temperature :				23	2																																															
<p>These tests have been carried out on motor no. 3GV1110771078005, on date 2011-10-18 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>																																																				
On behalf of manufacturer				Date of test																																																
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22																																														

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