



Type Test Report				Date of issue: 24.8.2015																																																
Customer:				Serial No.:																																																
Customer ref.:				Type: M3BP 225SMC 2 Product Code: 3GBP221230-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>75,0</td> <td>2969</td> <td>78,8</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>75,0</td> <td>2969</td> <td>136,0</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>75,0</td> <td>2971</td> <td>139,0</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D 60</td> <td>75,0</td> <td>3570</td> <td>117,0</td> <td>0,89</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>75,0</td> <td>3573</td> <td>116,0</td> <td>0,86</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	75,0	2969	78,8	0,84	S1	400	D 50	75,0	2969	136,0	0,84	S1	415	D 50	75,0	2971	139,0	0,79	S1	440	D 60	75,0	3570	117,0	0,89	S1	460	D 60	75,0	3573	116,0	0,86	S1
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Eff class IE2				50Hz : IE2 - 94,4%(100%) - 94,6%(75%) - 94,0%(50%) 60Hz : IE3 - 94,2%(100%)																																																
Resistance				Insulation resistance at 23,7 °C			Overload																																													
Line				R > 2000 Mohm			Current 150 % 120s																																													
U <sub>1</sub> - V <sub>1</sub>				1000 V			Torque 160 % 15s																																													
U <sub>1</sub> - W <sub>1</sub>							Speed 120 % 120s																																													
V <sub>1</sub> - W <sub>1</sub>																																																				
Ambient: 21,5 °C				High-voltage test winding			2400 V 60 s																																													
0,03158 Ω																																																				
0,03089 Ω																																																				
0,03180 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		401,5 D	50	44,7	1,8		3000	0,06																																												
Locked rotor test		69,7 D	50	133,4	6,57		0	0,41																																												
Thermal test ( 100% load )	241,3	400 D	50	133,8	79,18	75,00	2968	0,85	94,72																																											
Partial load points:																																																				
~75% load	180,3	400 D	50	104,0	59,33	56,23	2978	0,82	94,77																																											
~50% load	120,6	400 D	50	78,2	40,09	37,72	2986	0,74	94,09																																											
~25% load	59,9	400 D	50	56,4	20,72	18,78	2995	0,53	90,65																																											
Temperature rise at rated load.				[°C] [K] Method			Measurement method																																													
Stator winding :				84,5 1			1 Resistance																																													
Frame :				58,1 2			2 Thermometer																																													
Bearing D-end :				48,1 2			3 Thermocouples																																													
Ambient Temperature :				24 2																																																
<p>These tests have been carried out on motor no. 3GV1210812210001, on date 2012-01-17 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>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>																																																				

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