



Type Test Report				Date of issue: 24.8.2015																																																					
Customer:				Serial No.:																																																					
Customer ref.:				Type: M3BP 250SMC 6 Product Code: 3GBP253230-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>55,0</td> <td>988</td> <td>58,6</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>55,0</td> <td>988</td> <td>101,0</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>55,0</td> <td>989</td> <td>98,7</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D</td> <td>60</td> <td>55,0</td> <td>1189</td> <td>90,5</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D</td> <td>60</td> <td>55,0</td> <td>1189</td> <td>88,4</td> <td>0,83</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	55,0	988	58,6	0,84	S1	400	D	50	55,0	988	101,0	0,84	S1	415	D	50	55,0	989	98,7	0,83	S1	440	D	60	55,0	1189	90,5	0,85	S1	460	D	60	55,0	1189	88,4	0,83	S1
V	Hz	kW	r/min	A	cos φ	Duty																																																			
690	Y	50	55,0	988	58,6	0,84	S1																																																		
400	D	50	55,0	988	101,0	0,84	S1																																																		
415	D	50	55,0	989	98,7	0,83	S1																																																		
440	D	60	55,0	1189	90,5	0,85	S1																																																		
460	D	60	55,0	1189	88,4	0,83	S1																																																		
3~Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 93,2%(100%) - 94,1%(75%) - 94,0%(50%) 60Hz : IE2 - 93,8%(100%)																																																					
Resistance Line				Ambient: 21,4 °C			Insulation resistance at 22,5 °C R > 2000 Mohm 1000 V		Overload																																																
U <sub>1</sub> - V <sub>1</sub>				0,08046 Ω					Current 150 % 120s																																																
U <sub>1</sub> - W <sub>1</sub>				0,08021 Ω					Torque 160 % 15s																																																
V <sub>1</sub> - W <sub>1</sub>				0,08044 Ω					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		401,1 D	50	38,6	1,18		1000	0,04																																																	
Locked rotor test		89,1 D	50	100,8	5,05		0	0,32																																																	
Thermal test ( 100% load )	531,0	400 D	50	103,5	58,84	55,00	989	0,82	93,48																																																
Partial load points:																																																									
~75% load	400,7	400 D	50	81,4	44,30	41,64	992	0,79	94,00																																																
~50% load	267,8	400 D	50	61,4	29,73	27,91	995	0,70	93,88																																																
~25% load	134,9	400 D	50	45,7	15,44	14,10	998	0,49	91,34																																																
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																																	
Stator winding :				66,1	1			1 Resistance																																																	
Frame :				50,7	2			2 Thermometer																																																	
Bearing D-end :				42,5	2			3 Thermocouples																																																	
Ambient Temperature :				23	2																																																				
<p>These tests have been carried out on motor no. 3GV1110812163001, on date 2012-01-10 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>																																																									

Computer print-out valid without signature.