



Type Test Report				Date of issue: 24.8.2015																																																
Customer:				Serial No.:																																																
Customer ref.:				Type: M3BP 225SMD 4 Product Code: 3GBP222240-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>64,0</td> <td>1480</td> <td>66,7</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>64,0</td> <td>1480</td> <td>115,0</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>64,0</td> <td>1481</td> <td>116,0</td> <td>0,81</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D 60</td> <td>64,0</td> <td>1781</td> <td>102,0</td> <td>0,87</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>64,0</td> <td>1783</td> <td>100,0</td> <td>0,85</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	64,0	1480	66,7	0,85	S1	400	D 50	64,0	1480	115,0	0,85	S1	415	D 50	64,0	1481	116,0	0,81	S1	440	D 60	64,0	1781	102,0	0,87	S1	460	D 60	64,0	1783	100,0	0,85	S1
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Eff class IE2				50Hz : IE2 - 94,2%(100%) - 94,6%(75%) - 94,1%(50%) 60Hz : IE2 - 94,3%(100%)																																																
Resistance Line				Ambient: 23,4 °C			Insulation resistance at 24 °C		Overload																																											
U ₁ - V ₁				0,04875 Ω			R > 2000 Mohm		Current 150 % 120s																																											
U ₁ - W ₁				0,04877 Ω			1000 V		Torque 160 % 15s																																											
V ₁ - W ₁				0,04792 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		401,2 D	50	46,6	1,63		1500	0,05																																												
Locked rotor test		73,2 D	50	119,1	5,59			0,37																																												
Thermal test (100% load)	413,8	400 D	50	117,5	68,19	64,00	1477	0,84	93,85																																											
Partial load points:																																																				
~75% load	313,5	400 D	50	93,6	51,75	48,68	1483	0,80	94,07																																											
~50% load	209,3	400 D	50	71,3	34,89	32,64	1489	0,71	93,56																																											
~25% load	106,2	400 D	50	53,8	18,39	16,62	1495	0,49	90,37																																											
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																												
Stator winding :				70,9	1	1 Resistance		1 Resistance																																												
Frame :				57,7	2	2 Thermometer		2 Thermometer																																												
Bearing D-end :				42,7	2	3 Thermocouples		3 Thermocouples																																												
Ambient Temperature :				24	2																																															
<p>These tests have been carried out on motor no. 3GV1110812160001, 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> <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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