



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3BP 250SMA 6 Product Code: 3GBP253210-ADG							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	37,0	989	40,5	0,82	S1	
Insul.cl.F				400	D 50	37,0	989	69,9	0,82	S1	
IP55				415	D 50	37,0	990	69,1	0,80	S1	
				440	D 60	37,0	1186	62,5	0,83	S1	
Eff class IE2				460	D 60	37,0	1191	61,2	0,81	S1	
				50Hz : IE2 - 93,1%(100%) - 93,8%(75%) - 93,4%(50%) 60Hz : IE2 - 93,5%(100%)							
Resistance Line				Ambient: 22,3 °C				Insulation resistance at 23 °C		Overload	
U ₁ - V ₁				0,1293 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				0,1312 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,1285 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		400 D	50	28,9	0,89		1000	0,04			
Locked rotor test		89,3 D	50	78,0	4,37			0,36			
Thermal test (100% load)	356,9	400 D	50	70,9	39,72	37,00	990	0,81	93,14		
Partial load points:											
~75% load	269,5	400 D	50	56,6	29,95	28,03	993	0,76	93,58		
~50% load	180,0	400 D	50	43,5	20,13	18,77	996	0,67	93,25		
~25% load	92,0	400 D	50	33,6	10,65	9,62	998	0,46	90,30		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				69,1	69,1	1		1 Resistance			
Frame :				42,6	42,6	2		2 Thermometer			
Bearing D-end :				38,9	38,9	2		3 Thermocouples			
Ambient Temperature :				23	23	2					
<p>These tests have been carried out on motor no. 3GV1110801992006, on date 2011-10-03 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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