



Type Test Report					Date of issue: 24.8.2015						
Customer:					Serial No.:						
Customer ref.:					Type: M3BP 250SMB 4 Product Code: 3GBP252220-ADG						
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	75,0	1478	77,7	0,85	S1
Insul.cl.F					400	D 50	75,0	1478	134,0	0,85	S1
IP55					415	D 50	75,0	1480	133,0	0,83	S1
					440	D 60	75,0	1779	119,0	0,87	S1
Eff class IE2					460	D 60	75,0	1782	116,0	0,85	S1
					50Hz : IE2 - 94,4%(100%) - 95,1%(75%) - 94,8%(50%)						
					60Hz : IE2 - 94,6%(100%)						
Resistance Line					Insulation resistance at 26 °C					Overload	
Ambient: 23,8 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 0,04440 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 0,04437 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 0,04519 Ω											
					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 D	50	48,1	1,31		1500	0,04			
Locked rotor test		70,8 D	50	125,2	5,80			0,38			
Thermal test ( 100% load )	484,9	400 D	50	134,9	79,25	75,00	1477	0,85	94,64		
Partial load points:											
~75% load	363,3	400 D	50	105,9	59,50	56,53	1486	0,81	95,02		
~50% load	185,6	400 D	50	79,7	39,84	37,88	1949	0,72	95,08		
~25% load	122,4	400 D	50	58,7	20,67	19,17	1495	0,51	92,73		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				81,4	1			1 Resistance			
Frame :				57,7	2			2 Thermometer			
Bearing D-end :				54,9	2			3 Thermocouples			
Ambient Temperature :				26	2						
<p>These tests have been carried out on motor no. 3GV1110771078005, on date 2011-09-29 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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