



Type Test Report					Date of issue: 24.8.2015					
Customer:					Serial No.:					
Customer ref.:					Type: M3BP 250SMC 4 Product Code: 3GBP252230-ADG					
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	90,0	1478	94,5	0,84	S1		
Insul.cl.F		400	D 50	90,0	1478	163,0	0,84	S1		
IP55		415	D 50	90,0	1480	163,0	0,81	S1		
		440	D 60	90,0	1780	144,0	0,86	S1		
		460	D 60	90,0	1776	141,0	0,84	S1		
Eff class IE2		50Hz : IE2 - 94,6%(100%) - 95,3%(75%) - 95,0%(50%) 60Hz : IE2 - 95,0%(100%)								
Resistance Line					Insulation resistance at 23 °C R > 2000 Mohm 1000 V			Overload		
Ambient: 21,8 °C								Current 150 % 120s Torque 160 % 15s Speed 120 % 120s		
U ₁ - V ₁ 0,03256 Ω										
U ₁ - W ₁ 0,03257 Ω										
V ₁ - W ₁ 0,03255 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		400	D	50	63,2	1,72		1500	0,04	
Locked rotor test		69,7	D	50	153,7	7,07			0,38	
Thermal test (100% load)	581,1	400	D	50	163,6	95,09	90,00	1479	0,84	94,64
Partial load points:										
~75% load	435,9	400	D	50	129,4	71,37	67,79	1485	0,80	94,99
~50% load	290,9	400	D	50	99,2	47,92	45,39	1490	0,70	94,72
~25% load	146,9	400	D	50	75,1	24,94	23,02	1496	0,48	92,33
Temperature rise at rated load.					°C	K	Method		Measurement method	
Stator winding :					85,6	1			1 Resistance	
Frame :					61,3	2			2 Thermometer	
Bearing D-end :					92,3	2			3 Thermocouples	
Ambient Temperature :					23	2				
<p>These tests have been carried out on motor no. 3GV1110819083001, on date 2011-11-18 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>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>										

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