



Type Test Report					Date of issue: 24.8.2015						
Customer:					Serial No.:						
Customer ref.:					Type: M3BP 225SMC 4 Product Code: 3GBP222230-ADG						
Rating:											
			V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor			690	Y 50	55,0	1478	57,6	0,85	S1		
Insul.cl.F			400	D 50	55,0	1478	99,3	0,85	S1		
IP55			415	D 50	55,0	1480	98,0	0,83	S1		
			440	D 60	55,0	1780	88,0	0,87	S1		
			460	D 60	55,0	1782	86,0	0,85	S1		
Eff class IE2			50Hz : IE2 - 94,0%(100%) - 94,6%(75%) - 94,4%(50%) 60Hz : IE2 - 94,2%(100%)								
Resistance Line					Ambient: 21,6 °C			Insulation resistance at 22,5 °C		Overload	
		U ₁ - V ₁		0,06413 Ω		R > 2000 Mohm		1000 V		Current 150 % 120s	
		U ₁ - W ₁		0,06393 Ω						Torque 160 % 15s	
		V ₁ - W ₁		0,06410 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		400,8 D		50	35,7		1,21		1500	0,05	
Locked rotor test		70,7 D		50	91,7		4,05		0	0,36	
Thermal test (100% load)	355,4	400 D		50	99,8		58,54	55,00	1478	0,85	93,95
Partial load points:											
~75% load	268,6	400 D		50	78,6		44,24	41,74	1484	0,81	94,34
~50% load	178,5	400 D		50	58,7		29,61	27,85	1490	0,73	94,06
~25% load	91,5	400 D		50	43,2		15,66	14,32	1495	0,52	91,47
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				73,4		1		1 Resistance			
Frame :				54,1		2		2 Thermometer			
Bearing D-end :				45		2		3 Thermocouples			
Ambient Temperature :				23		2					
<p>These tests have been carried out on motor no. 3GV1110812104007, on date 2012-02-07 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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