



Type Test Report					Date of issue: 24.8.2015						
Customer:					Serial No.:						
Customer ref.:					Type: M3BP 225SMA 4 Product Code: 3GBP222210-ADG						
Rating:											
					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	37,0	1479	39,4	0,84	S1
Insul.cl.F					400	D 50	37,0	1479	68,0	0,84	S1
IP55					415	D 50	37,0	1481	68,0	0,81	S1
					440	D 60	37,0	1780	60,4	0,86	S1
Eff class IE2					460	D 60	37,0	1782	59,0	0,84	S1
					50Hz : IE2 - 93,4%(100%) - 93,9%(75%) - 93,4%(50%)						
					60Hz : IE2 - 93,4%(100%)						
Resistance Line					Insulation resistance at 23 °C					Overload	
Ambient: 22,3 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					0,10810 Ω					Torque 160 % 15s	
U ₁ - W ₁					0,10810 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,10800 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		399,6 D	50	25,3	0,88		1500	0,05			
Locked rotor test		71,7 D	50	61,1	2,74			0,36			
Thermal test (100% load)	238,9	400 D	50	68,5	39,48	37,00	1479	0,83	93,72		
Partial load points:											
~75% load	183,8	400 D	50	55,0	30,41	28,59	1485	0,80	94,03		
~50% load	122,6	400 D	50	41,4	20,43	19,13	1490	0,71	93,64		
~25% load	62,6	400 D	50	30,9	10,81	9,81	1496	0,51	90,70		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					61,0	1			1 Resistance		
Frame :					31,5	2			2 Thermometer		
Bearing D-end :					34,9	2			3 Thermocouples		
Ambient Temperature :					23	2					
<p>These tests have been carried out on motor no. 3GV1110807531003, on date 2011-11-23 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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