



Test Report				Date of issue: 29.5.2015							
Customer:				Serial No.:							
Customer ref.:				Order No.:							
				Type: M3BP 225SMA 6							
				Product Code: 3GBP223210-ADK							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		690	Y 50	30,0	989	32,9	0,81	S1			
Insul.cl.F		400	D 50	30,0	989	56,8	0,81	S1			
IP55		660	Y 50	30,0	987	33,7	0,83	S1			
		380	D 50	30,0	987	58,5	0,83	S1			
		415	D 50	30,0	990	56,0	0,79	S1			
Eff class IE3		460	D 60	30,0	1191	49,9	0,80	S1			
		50Hz : IE3-94,1(100%)-94,6(75%)-94,4(50%)									
		60Hz : IE3-94,2(100%)									
Resistance				Insulation resistance at 24 °C				Overload			
Line		Ambient: 23,3 °C		R > 2000 Mohm		1000 V		Current 150 % 120s			
U ₁ - V ₁		0,12480 Ω						Torque 160 % 15s			
U ₁ - W ₁		0,12480 Ω						Speed 120 % 120s			
V ₁ - W ₁		0,12490 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		401,2 D	50	24,6	0,64		1000	0,04			
Locked rotor test		89,2 D	50	64,5	3,13		0	0,31			
Thermal test (100% load)	289,6	400 D	50	57,8	31,84	30,00	989	0,80	94,22		
Partial load points:											
~75% load	221,5	400 D	50	46,9	24,36	23,02	992	0,75	94,53		
~50% load	150,2	400 D	50	36,9	16,61	15,65	995	0,65	94,25		
~25% load	78,2	400 D	50	28,7	8,89	8,17	998	0,45	91,85		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				50,0	1			1 Resistance			
Frame :				39,6	2			2 Thermometer			
Bearing D-end :				33,6	2			3 Thermocouples			
Ambient Temperature :				24	2						
<p>These tests have been carried out on motor no. 3GV1110796911001, on date 2011-10-06 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>											
On behalf of customer											
On behalf of manufacturer				Date of test							
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00		Telefax +46 (0)21 32 90 22			

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