



Test Report				Date of issue: 29.5.2015															
				Serial No.:															
Customer:				Order No.:															
				Type: M3BP 250SMA 6															
				Product Code: 3GBP253210-ADK															
Customer ref.:																			
Rating:																			
		V	Hz	kW	r/min	A	cos φ	Duty											
3-Motor		690	Y	50	37,0	991	39,4	0,83	S1										
Insul.cl.F		400	D	50	37,0	991	68,0	0,83	S1										
IP55		660	Y	50	37,0	990	41,0	0,84	S1										
		380	D	50	37,0	990	71,1	0,84	S1										
		415	D	50	37,0	992	66,3	0,82	S1										
		460	D	60	37,0	1192	59,9	0,82	S1										
Eff class IE3		50Hz : IE3-94,4(100%)-94,9(75%)-94,7(50%)																	
		60Hz : IE3-94,5(100%)																	
Resistance				Insulation resistance at 22,1 °C				Overload											
Line		Ambient: 21,0 °C		R > 2000 Mohm		1000 V		Current	150 % 120s										
U ₁ - V ₁		0,10310 Ω						Torque	160 % 15s										
U ₁ - W ₁		0,10290 Ω						Speed	120 % 120s										
V ₁ - W ₁		0,10310 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]		η[r/min]		cos φ		η [%]	
No load test				400,4 D		50		29,5		0,69				1000		0,03			
Locked rotor test				89,2 D		50		77,1		3,97				0		0,33			
Thermal test (100% load)		356,5		400 D		50		70,4		39,14		37,00		991		0,80		94,52	
Partial load points:																			
~75% load		271,5		400 D		50		56,6		29,78		28,25		994		0,76		94,87	
~50% load		180,9		400 D		50		43,9		19,94		18,87		996		0,66		94,63	
~25% load		93,1		400 D		50		34,2		10,54		9,73		999		0,44		92,33	
Temperature rise at rated load.				[°C]		[K]		Method						Measurement method					
				Stator winding :		53,3		1						1 Resistance					
				Frame :		37,1		2						2 Thermometer					
				Bearing D-end :		34,4		2						3 Thermocouples					
				Ambient Temperature :		22		2											
These tests have been carried out on motor no. 3GV1210866507002, on date 2012-02-13 which is identical in electrical design with the above.																			
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																			
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									
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