



Test Report				Date of issue: 5.12.2014					
				Serial No.:					
				Type: M2BAX 355SMB 2 IMB3/IM1001					
				Product Code: 3GBA351220-ADM					
Rating:									
	V	Hz		kW	r/min	A	cos φ	Duty	
3~Motor	690	Y	50	315	2980	308	0,89	S1	
Insul.cl.F	400	D	50	315	2980	529	0,89	S1	
IP55	660	Y	50	315	2977	322	0,89	S1	
	380	D	50	315	2977	560	0,89	S1	
Eff class IE3	440	D	60	315	3582	486	0,89	S1	
	460	D	60	315	3583	468	0,88	S1	
50Hz: IE3-95,8%(100%)-95,6%(75%)-95,0%(50%)									
60Hz: IE3-95,8%(100%)									
Resistance				Insulation resistance at 46,0 °C		Overload			
Line	Ambient: 21,0 °C			20000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁	0,00439 Ω								
U ₁ - W ₁	0,00440 Ω								
V ₁ - W ₁	0,00438 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		400,1 D	50	124,7	5,73		3000	0,07	
Locked rotor test		66,1 D	50	533,0	16,3		0	0,27	
Thermal test (100% load)	1009,0	400,4 D	50	529,4	327,5	315,0	2980	0,89	96,2
Partial load points:									
~75% load	755,5	400,6 D	50	404,0	245,7	236,3	2986	0,88	96,1
~50% load	501,0	400,8 D	50	287,1	164,9	157,5	2991	0,83	95,5
~25% load	254,5	400,9 D	50	184,7	84,9	78,8	2996	0,66	92,8
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				66,7	1			1 Resistance	
Frame :				31,4	2			2 Thermometer	
Bearing D-end :				49,9	2			3 Thermocouples	
Ambient Temperature :				25,0	2				
These tests have been carried out on motor no. 3GF10045532, on date 2011-02-17 which is identical in 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 Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372									

Computer print-out valid without signature.