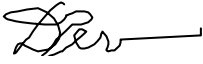




Type Test Report				Cert. No. M-file ref.:							
Customer:				Date of Issue 2002-10-31							
Customer ref.:				Type: M2BAT 315 SMC 4 B3							
Rating: 3~Motor				Product Code 3 GBA 312 230 – ADD							
				V	Hz	kW	r/min	A	cosφ	IA/IN	TE [s]
Insul.cl. F				690 Y	50	160	1486	165	0,85		
S1				400 D	50	160	1486	286	0,85		
IP55				660 Y	50	160	1483	173	0,86		
930 kg				380 D	50	160	1483	300	0,86		
				415 D	50	160	1487	279	0,84		
				440 D	60	185	1783	298	0,86		
Resistance U1-V1 0,014133 Ω D 20 °C U1-W1 0,014133 Ω D V1-W1 0,014267 Ω D				Insulation resistance >20000 MΩ 1000V 20 °C				Overload test 1,6 x Tn 15 s			
				High-voltage test 2400 V 60 s							
Test	Line		Input		Output		cosφ	η[%]			
	U[V]	f[Hz]	I[A]	P1[kW]	P2[kW]	n[r/min]					
No-load test	400 D	50	95,0	3,600			0,055				
Locked-rotor test	78 D	50	298,2	11,520			0,286				
Temperature-rise test	400 D	50	291,0	168,660	160,713	1486	0,838	95,29			
Temperature rise at amb. temp. 20 °C Pole [K] Method				Temperature rise at amb. temp. 20 °C Pole [K] Method				Measurement method			
Stator winding 79 1				Frame 39 3 Bearing D-end 49 3 Rotor 3				1 Resistance 2 Thermometer 3 Thermocouples			
These test have been carried out on motor no. 0243-06010255, on date 2002-10-23 which is identical in design with the above.											
Manufactured and tested in accordance with rules of IEC 60034-1											
On behalf of customer											
On behalf of manufacturer						Date of test: 2002-10-23					
 ABB Motors Oy/Vaasa											