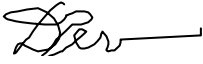




Type Test Report				Cert. No. M-file ref.:							
Customer:				Date of Issue 2002-10-31							
Customer ref.:				Type: M2BAT 315 MLA 4 B3							
Rating: 3~Motor				Product Code 3 GBA 312 410 – ADD							
				V	Hz	kW	r/min	A	cosφ	IA/IN	TE [s]
Insul.cl. F				690 Y	50	200	1485	204	0,86		
S1				400 D	50	200	1485	354	0,86		
IP55				660 Y	50	200	1482	216	0,86		
1030 kg				380 D	50	200	1482	375	0,86		
				415 D	50	200	1486	343	0,85		
				440 D	60	230	1782	367	0,86		
Resistance U1-V1 0,010413 Ω D 19,4°C U1-W1 0,010422 Ω D V1-W1 0,010433 Ω D				Insulation resistance >20000 MΩ 1000V 19,4 °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	110,0	4,140				0,054			
Locked-rotor test	65 D	50	298,8	10,260				0,305			
Temperature-rise test	400 D	50	354,0	210,060	200,568	1484		0,858	95,48		
Temperature rise at amb. temp. 20 °C Pole [K] Method Stator winding 75 1				Temperature rise at amb. temp. 20 °C Pole [K] Method Frame 46 3 Bearing D-end 54 3 Rotor 3				Measurement method 1 Resistance 2 Thermometer 3 Thermocouples			
<p>These test have been carried out on motor no. 0243-06010266, on date 2002-10-30 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1</p>											
On behalf of customer											
On behalf of manufacturer						Date of test: 2002-10-30					
 ABB Motors Oy/Vaasa											