



Type Test Report				Date of issue: 24.8.2015						
Customer:				Serial No.:						
				Type: M3BP 200MLD 2				Product Code: 3GBP201440-ADG		
Customer ref.:										
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	55,0	2953	55,1	0,89	S1
Insul.cl.F				400	D 50	55,0	2953	95,0	0,89	S1
IP55				415	D 50	55,0	2957	92,5	0,88	S1
				440	D 60	55,0	3555	85,3	0,90	S1
Eff class IE2				460	D 60	55,0	3560	82,2	0,89	S1
				50Hz : IE2 - 93,8%(100%) - 94,4%(75%) - 94,3%(50%)						
				60Hz : IE3 - 94,0%(100%)						
Resistance				Insulation resistance at 21 °C				Overload		
Line				R > 2000 Mohm 1000 V				Current 150 % 120s		
U <sub>1</sub> - V <sub>1</sub>				Ambient: 23,9 °C				Torque 160 % 15s		
U <sub>1</sub> - W <sub>1</sub>				0,06156 Ω				Speed 120 % 120s		
V <sub>1</sub> - W <sub>1</sub>				0,06137 Ω						
				0,06128 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 D	50	23,2	1,19		3000	0,07		
Locked rotor test		63 D	50	90,8	3,20		0	0,32		
Thermal test ( 100% load )	177,8	400 D	50	94,9	58,69	55,00	2954	0,89	93,71	
Partial load points:										
~75% load	132,0	400 D	50	72,1	43,58	41,03	2967	0,87	94,15	
~50% load	87,3	400 D	50	51,4	29,03	27,25	2979	0,81	93,87	
~25% load	43,9	400 D	50	33,7	15,09	13,74	2990	0,65	91,09	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :					81,3	1		1 Resistance		
Frame :					49,2	2		2 Thermometer		
Bearing D-end :					40,5	2		3 Thermocouples		
Ambient Temperature :				21		2				
<p>These tests have been carried out on motor no. 08 538276 10002, on date 2009-07-22 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> <p>On behalf of customer</p>										
On behalf of manufacturer				Date of test		22.7.2009				
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden							Telephone +46 (0)21 32 90 00			
							Telefax +46 (0)21 32 90 22			

Computer print-out valid without signature.