



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
				Type: M3BP 200MLB 6				Product Code: 3GBP203420-ADG			
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	22,0	987	24,4	0,82	S1	
Insul.cl.F				400	D 50	22,0	987	42,0	0,82	S1	
IP55				415	D 50	22,0	988	41,4	0,80	S1	
				440	D 60	22,0	1187	37,5	0,83	S1	
				460	D 60	22,0	1189	36,7	0,81	S1	
Eff class IE2				50Hz : IE2 - 92,0%(100%) - 92,9%(75%) - 92,7%(50%)							
				60Hz : IE2 - 92,5%(100%)							
Resistance Line				Ambient: 23,3 °C				Insulation resistance at 22,6 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,28040 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				0,27870 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,27980 Ω						Speed 120 % 120s	
								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		4000,2 D	50	15,4	0,6		1000	0,06			
Locked rotor test		89,8 D	50	42,4	2,32		0	0,35			
Thermal test ( 100% load )	212,9	400 D	50	41,9	23,97	22,00	987	0,83	91,77		
Partial load points:											
~75% load	162,4	400 D	50	33,4	18,24	16,85	991	0,79	92,40		
~50% load	109,2	400 D	50	25,4	12,33	11,37	994	0,70	92,27		
~25% load	55,5	400 D	50	18,9	6,49	5,80	997	0,50	89,29		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				63,6	1	1		1 Resistance			
Frame :				52,3	2	2		2 Thermometer			
Bearing D-end :				41,3	2	2		3 Thermocouples			
Ambient Temperature :				23	2						
<p>These tests have been carried out on motor no. 3GV1110837636001, on date 2012-01-20 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> <p>On behalf of manufacturer                      Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p style="text-align: right;">Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>											

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