



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3BP 200MLC 6 Product Code: 3GBP203430-ADG							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	30,0	985	32,9	0,83	S1	
Insul.cl.F				400	D 50	30,0	985	56,7	0,83	S1	
IP55				415	D 50	30,0	986	56,6	0,80	S1	
				440	D 60	30,0	1186	50,3	0,84	S1	
Eff class IE2				460	D 60	30,0	1188	48,7	0,83	S1	
				50Hz : IE2 - 92,0%(100%) - 93,1%(75%) - 92,8%(50%) 60Hz : IE2 - 93,0%(100%)							
Resistance Line				Ambient: 19,7 °C			Insulation resistance at 21,8 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s		
U <sub>1</sub> - V <sub>1</sub>				0,18140 Ω							
U <sub>1</sub> - W <sub>1</sub>				0,18130 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,18140 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		401,7	D 50	22,2	0,83		1000	0,05			
Locked rotor test		88,9	D 50	60,9	3,24		0	0,35			
Thermal test ( 100% load )	290,6	400	D 50	57,2	32,58	30,00	986	0,82	92,08		
Partial load points:											
~75% load	220,2	400	D 50	45,6	24,65	22,83	990	0,78	92,61		
~50% load	146,1	400	D 50	34,8	16,46	15,20	994	0,68	92,23		
~25% load	73,6	400	D 50	26,3	8,63	7,69	997	0,47	89,10		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					83,8	1		1 Resistance			
Frame :					71,4	2		2 Thermometer			
Bearing D-end :					53,5	2		3 Thermocouples			
Ambient Temperature :				22		2					
<p>These tests have been carried out on motor no. 3GV1110812209-001, on date 2012-02-02 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>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>											

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