



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3BP 200MLC 4 Product Code: 3GBP202430-ADG							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	45,0	1479	48,5	0,83	S1	
Insul.cl.F				400	D 50	45,0	1479	83,6	0,83	S1	
IP55				415	D 50	45,0	1481	83,5	0,80	S1	
				440	D 60	45,0	1781	73,7	0,84	S1	
Eff class IE2				460	D 60	45,0	1783	72,0	0,83	S1	
				50Hz : IE2 - 93,6%(100%) - 94,4%(75%) - 94,2%(50%) 60Hz : IE2 - 94,2%(100%)							
Resistance Line				Ambient: 23,6 °C				Insulation resistance at 23 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s	
U ₁ - V ₁				0,09089 Ω				High-voltage test winding 2400 V 60 s			
U ₁ - W ₁				0,09083 Ω							
V ₁ - W ₁				0,09088 Ω							
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		401,2 D	50	30,1	1,01		1500	0,05			
Locked rotor test		89,5 D	50	90,2	4,94			0,35			
Thermal test (100% load)	290,7	400 D	50	83,8	48,27	45,00	1478	0,83	93,23		
Partial load points:											
~75% load	220,8	400 D	50	66,4	36,58	34,31	1484	0,80	93,79		
~50% load	147,4	400 D	50	50,1	24,56	23,00	1490	0,69	96,66		
~25% load	75,5	400 D	50	37,3	12,96	11,82	1495	0,50	91,21		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				79,5	1			1 Resistance			
Frame :				58,0	2			2 Thermometer			
Bearing D-end :				48	2			3 Thermocouples			
Ambient Temperature :				23	2						
<p>These tests have been carried out on motor no. 3GV1110837617001, on date 2011-11-24 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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