



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
				Type: M3BP 225SMC 6				Product Code: 3GBP223230-ADG			
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	45,0	984	48,9	0,83	S1	
Insul.cl.F				400	D 50	45,0	984	84,4	0,83	S1	
IP55				415	D 50	45,0	985	82,1	0,82	S1	
				440	D 60	45,0	1185	76,2	0,83	S1	
Eff class IE2				460	D 60	45,0	1187	73,5	0,82	S1	
				50Hz : IE2 - 92,7%(100%) - 93,9%(75%) - 94,0%(50%)							
				60Hz : IE1 - 93,3%(100%)							
Resistance Line				Ambient: 21,9 °C				Insulation resistance at 23,1 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,10390 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				0,10370 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,10390 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		400,8 D	50	28,7	1		1000	0,05			
Locked rotor test		88,6 D	50	80,5	4,01		0	0,33			
Thermal test ( 100% load )	436,9	400 D	50	84,3	48,59	45,00	984	0,83	92,61		
Partial load points:											
~75% load	330,6	400 D	50	66,3	36,79	34,22	988	0,80	93,29		
~50% load	222,7	400 D	50	49,5	24,81	23,15	993	0,72	93,31		
~25% load	112,3	400 D	50	35,9	12,91	11,72	997	0,52	90,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					77,3	1		1 Resistance			
Frame :					61,1	2		2 Thermometer			
Bearing D-end :					47,3	2		3 Thermocouples			
Ambient Temperature :				23		2					
<p>These tests have been carried out on motor no. 3GV1110825229001, on date 2012-01-13 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							
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden							Telephone +46 (0)21 32 90 00				
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