



Type Test Report				Date of issue: 24.8.2015							
Customer:				Serial No.:							
Customer ref.:				Type: M3BP 250SMB 6 Product Code: 3GBP253220-ADG							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	45,0	989	48,5	0,83	S1	
Insul.cl.F				400	D 50	45,0	989	83,7	0,83	S1	
IP55				415	D 50	45,0	990	81,7	0,82	S1	
				440	D 60	45,0	1190	75,9	0,83	S1	
Eff class IE2				460	D 60	45,0	1191	73,3	0,82	S1	
				50Hz : IE2 - 93,4%(100%) - 94,1%(75%) - 93,9%(50%)							
				60Hz : IE2 - 93,7%(100%)							
Resistance Line				Ambient: 20,6 °C				Insulation resistance at 21,7 °C		Overload	
U ₁ - V ₁				0,09310 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				0,09288 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,09304 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 D	50	32,8	1,1		1000	0,05			
Locked rotor test		89 D	50	93,5	5,15		0	0,36			
Thermal test (100% load)	434,3	400 D	50	85,6	48,26	45,00	990	0,81	93,24		
Partial load points:											
~75% load	329,2	400 D	50	67,9	36,52	34,21	993	0,78	93,68		
~50% load	220,1	400 D	50	51,5	24,57	22,95	996	0,69	93,41		
~25% load	114,5	400 D	50	38,9	12,90	11,97	998	0,49	90,51		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				73,6	73,6	1		1 Resistance			
Frame :				56,9	56,9	2		2 Thermometer			
Bearing D-end :				46,9	46,9	2		3 Thermocouples			
Ambient Temperature :				22	22	2					
<p>These tests have been carried out on motor no. 3GV1110812162001, on date 2012-09-01 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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