



Type Test Report				Date of issue: 24.8.2015					
Customer ref.:				Serial No.:					
Rating:				Motor Type: M3BP 180MLA 2 Product Code: 3GBP181410-ADG					
3-Motor		V	Hz	kW	r/min	A	η [%]	Duty	
Insul.cl.F		690	Y	50	22,00	2952	22,90	0,87 S1	
IP55		400	D	50	22,00	2952	39,50	0,87 S1	
		415	D	50	22,00	2956	39,00	0,85 S1	
		440	D	60	22,00	3554	35,50	0,88 S1	
		460	D	60	22,00	3559	34,30	0,87 S1	
Eff class IE2		50Hz : IE2 - 92,2%(100%) - 92,7%(75%) - 92,2%(50%) 60Hz : IE3 - 92,2%(100%)							
Resistance Line			Ambient: 22,4 °C 0,2320			Insulation resists at 26 °C R>2000Mohm 1000 V		Overload Volts 130 % 60s Amp 160 % 120s rpm 120 % 120s	
						High-voltage test winding 2400V 60s			
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1[kW]	Output P2[kW]	η [r/min]	cos ρ	η [%]
No load test		401	D	50	12,5	0,75	3000	0,09	92,44
Locked rotor test		68		50	41,0	2,00	0	0,41	
Thermal test (100% load)		400		50	39,4	23,80	21,97	0,87	
Partial load points:									
~75% load		400	D	50	39,5	23,85	21,81		91,43
~50% load		400	D	50	37,5	22,48	20,58		91,55
~25% load		400	D	50	35,3	21,05	19,30		91,68
Temperature rise at rated load.			°C	[K]	Method	Measurement method			
Stator winding ⁺ :			65,9		1	1 Resistance			
Frame :			54,4		2	2 Thermometer			
Bearing D-end :			49,3		2	3 Thermocouples			
Ambient Temperature :			22		2				
These tests have been carried out on motor no. 08 437164 10002, on date 2008-07-11 which is identical in electrical design with the above.									
Manufactured in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer					Date of test				
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22			

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