



<b>Type Test Report</b>				Date of issue: 24.8.2015					
Customer ref.:				Serial No.:					
Rating:				Motor Type: M3BP 180MLB 2 Product Code: 3GBP181420-ADG					
3-Motor		V	Hz	kW	r/min	A	$\eta$ [%]	Duty	
Insul.cl.F		690	Y	50	30,00	2950	30,70	0,88 S1	
IP55		400	D	50	30,00	2950	53,00	0,88 S1	
		415	D	50	30,00	2955	52,10	0,86 S1	
		440	D	60	30,00	3553	47,10	0,90 S1	
		460	D	60	30,00	3558	45,40	0,89 S1	
Eff class IE2		50Hz : IE2 - 92,7%(100%) - 93,5%(75%) - 93,3%(50%) 60Hz : IE3 - 92,7%(100%)							
Resistance Line			Ambient: 19,3 °C 0,1460			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]	$\eta$ [r/min]	cos $\rho$	$\eta$ [%]
No load test		402 D	50	15,4	0,94		3000	0,09	92,68
Locked rotor test		60	50	51,1	2,11		0	0,40	
Thermal test (100% load)		401	50	53,0	32,71	30,34	2948	0,89	
Partial load points:									
~75% load		400 D	50	52,9	32,61	29,89	2946		91,66
~50%load		400 D	50	49,4	30,37	27,91	2950		91,87
~25%load		400 D	50	47,6	29,05	26,71	2952		91,95
Temperature rise at rated load.		[°C]		[K]	Method	Measurement method			
Stator winding <sup>+</sup> :		77,75			1	1 Resistance			
Frame :		64,7			2	2 Thermometer			
Bearing D-end :		67,6			2	3 Thermocouples			
Ambient Temperature :		21			2				
These tests have been carried out on motor no. 08 439185 10001, on date 2008-12-17 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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