



Type Test Report				Date of issue: 24.8.2015					
Customer ref.:				Serial No.:					
Rating:				Motor Type: M3BP 180MLC 4 Product Code: 3GBP182430-ADG					
3-Motor		V	Hz	kW	r/min	A	η [%]	Duty	
Insul.cl.F		690	Y	50	30,00	1474	32,80	0,83 S1	
IP55		400	D	50	30,00	1474	56,50	0,83 S1	
		415	D	50	30,00	1477	55,70	0,81 S1	
		440	D	60	30,00	1474	50,30	0,84 S1	
		460	D	60	30,00	1777	48,60	0,83 S1	
Eff class IE2		50Hz : IE2 - 92,3%(100%) - 93,5%(75%) - 93,5%(50%) 60Hz : IE1 - 92,9%(100%)							
Resistance Line			Ambient: 19,8 °C 0,1560 Ω		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]	n [r/min]	$\cos \rho$	η [%]
No load test		401 D	50	20,4	0,81		1500	0,06	92,81
Locked rotor test		80 D	50	54,7	2,53		0	0,33	
Thermal test (100% load)		401 D	50	56,4	32,58	30,26	1475	0,83	
Partial load points:									
~75% load		400 D	50	44,4	24,48	22,65	1483		92,54
~50%load		400 D	50	33,5	16,54	15,27	1489		92,36
~25%load		400 D	50	24,6	6,58	7,66	1494		89,26
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method			
Stator winding ⁺ :			80,85		1	1 Resistance			
Frame :			74,3		2	2 Thermometer			
Bearing D-end :			73,5		2	3 Thermocouples			
Ambient Temperature :			22		2				
These tests have been carried out on motor no. 3GV1110782961001, on date 2012-02-09 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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