



Test Report					Date of issue:						
Customer:					Serial No.:						
					Order No.:						
Customer ref.:					Type: M3BP 80MLE 4						
					Product Code: 3GBP082450-_SL						
					Tag no:						
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					400	Y	50	0,75	1451	1,6	0,82 S1
Insul.cl.F											
IP55											
Eff class IE3					IE3-82.5%(100%)-82.9%(75%)-81.7%(50%)						
Resistance					Insulation resistance at 27 °C				Overload		
Line					47000 MΩ 1000 V				Torque 160% 15s		
U ₁ - V ₁					Ambient: 22 °C						
U ₁ - W ₁					15,84600 Ω						
V ₁ - W ₁					15,87000 Ω						
					15,82500 Ω						
					High-voltage test winding 2900 V				1 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		400,0 Y	50	1,04	0,06		1498	0,09			
Locked rotor test		60,9 Y	50	1,60	0,11		0	0,68			
Thermal test (100% load)	4,9	400,1 Y	50	1,65	0,89	0,75	1448	0,78	84,3		
Partial load points:											
~75% load	3,7	400,3 Y	50	1,40	0,67	0,56	1462	0,69	84,3		
~50% load	2,5	400,5 Y	50	1,21	0,46	0,37	1475	0,55	82,1		
~25% load	1,2	400,2 Y	50	1,08	0,26	0,19	1487	0,34	73,0		
Temperature rise at rated load.					°C	K	Method	Measurement method			
Stator winding :					20	1		1 Resistance			
Frame :					16	2		2 Thermometer			
Bearing D-end :					15	2		3 Thermocouples			
Rotor:					25	3					
Ambient Temperature :					25	2					
These tests have been carried out, date 21.11.2013, the test B, on motor no 3GF13172356, which is identical in design with the above.											
Manufactured and tested 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			21.11.2013			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland					Telephone			+358 10 2211			
					Telefax			+358 10 22 47372			

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