



Test Report					Date of issue:							
Customer:					Serial No.:							
					Order No.:							
Customer ref.:					Type: M3BP 100LKF 8							
					Product Code: 3GBP104860-_SL							
					Tag no:							
Rating:					V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor					400	Y	50	1,1	713	3,1	0,6	S1
Insul.cl.F												
IP55												
Eff class IE3					IE3-77.7%(100%)-78.1%(75%)-75.5%(50%)							
Resistance					Insulation resistance at 48 °C				Overload			
Line					7000 MΩ 1000 V				Torque 160% 15s			
U ₁ - V ₁					Ambient: 21 °C 11,08900 Ω							
U ₁ - W ₁					11,08700 Ω							
V ₁ - W ₁					11,08100 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	2,30	0,15		748	0,09				
Locked rotor test		127,3 Y	50	3,09	0,34		0	0,50				
Thermal test (100% load)	14,7	400,3 Y	50	3,24	1,47	1,10	707	0,65	75,0			
Partial load points:												
~75% load	11,1	400,0 Y	50	2,83	1,11	0,83	720	0,57	74,5			
~50% load	7,4	400,0 Y	50	2,53	0,78	0,55	730	0,45	70,5			
~25% load	3,7	400,0 Y	50	2,36	0,48	0,28	738	0,29	57,5			
Temperature rise at rated load.					°C	K	Method		Measurement method			
Stator winding :					50	1			1 Resistance			
Frame :					32	2			2 Thermometer			
Bearing D-end :						2			3 Thermocouples			
Rotor:					45	3						
Ambient Temperature :					25	2						
These tests have been carried out, date 1.12.2013, the test B, on motor no 3GF13166493, 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			1.12.2013						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372						

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