



Test Report					Date of issue:							
Customer:					Serial No.:							
					Order No.:							
Customer ref.:					Type: M3BP 90LF 6							
					Product Code: 3GBP093560-_DL							
					Tag no:							
Rating:												
3~Motor Insul.cl.F IP55 Eff class IE3					V	Hz	kW	r/min	A	cos φ	Duty	
					400	D	50	1,1	942	2,67	0,73	S1
					IE3-81.0%(100%)-82.1%(75%)-80.5%(50%)							
Resistance Line U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁					Ambient: 22 °C			Insulation resistance at 42 °C			Overload	
					10,48100 Ω			21000 MΩ 1000 V			Torque 160% 15s	
					10,47000 Ω							
					10,46200 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		399,9 D	50	1,61	0,10		998	0,09				
Locked rotor test		103,9 D	50	2,68	0,26		0	0,54				
Thermal test (100% load)	11,2	400,2 D	50	2,62	1,35	1,10	944	0,75	81,4			
Partial load points:												
~75% load	8,4	400,1 D	50	2,20	1,01	0,83	960	0,66	82,1			
~50% load	5,6	400,0 D	50	1,87	0,68	0,55	975	0,53	80,5			
~25% load	2,8	400,1 D	50	1,67	0,38	0,28	988	0,33	71,8			
Temperature rise at rated load.					°C	K	Method	Measurement method				
Stator winding :					36	1	1 Resistance					
Frame :					25	2	2 Thermometer					
Bearing D-end :					20	2	3 Thermocouples					
Rotor:					30	3						
Ambient Temperature :					25	2						
These tests have been carried out, date 2.12.2013, the test B, on motor no 3GF13169409, 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 2.12.2013												
Tested by ABB Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372												

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