



Test Report		Cert. No. ATEX Cert no: LCIE 06 ATEX 6089 IECEX Cert no: IECEX LCI 07.0001													
Customer:		Date of Issue													
Customer ref.:		Type: M3GP 315SMC 6 Protection type: Ex nA II_ T3 Serial no.: Tag no.: Order no.:													
Rating: 3-Motor		Product Code 3GGP313210-_DG													
Insul.cl. F S1 IP 55 830 kg		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> </tr> </thead> <tbody> <tr> <td>660 Y</td> <td>50</td> <td>75</td> <td>991</td> <td>84</td> <td>0,84</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	660 Y	50	75	991	84	0,84
V	Hz	kW	r/min	A	cos φ										
660 Y	50	75	991	84	0,84										
Resistance		Insulation resistance													
$U_1 - V_1$ 0,04214 Ω $U_1 - W_1$ 0,04216 " " $V_1 - W_1$ 0,04209 " "		21000 MΩ 1000 V 25,5 °C 51,5 °C													
		High-voltage test 2400 V 60 s													
		Overload test 1,6 x T _N 15 s Starting Current I _S /I _N = 7,7													
Test		Line U[V]	f[Hz]	Input I[A]	P ₁ [kW]	Output P ₂ [kW]	n[r/min]	cos φ	η [%]						
No-load test		400,0 D	50	55,1	1,92			0,0503							
Locked-rotor test		79,4 D	50	141,1	5,54			0,2853							
Temperature-rise test		400,1 D	50	141,4	79,6	75,0	994	0,81	94,2						
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C		Measurement method											
[K] Method		[K] Method		1 Resistance											
Stator winding 55,2 1		Frame 31,9 3		2 Embedded temperature detector											
		Bearing D-end 38,7 3		3 Thermometer											
<p>These tests have been carried out on motor no. 3GF10029224B, 2010-07-08 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>															
On behalf of customer															
On behalf of manufacturer															
Tested by ABB Oy Motors/Vaasa															