



Type Test Report				Date of issue: 4.11.2015																																
Customer:				Serial No.:																																
Customer ref.:				Type: M3AA 132 MF 8 HO Product Code: 3GAA134360-DE																																
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>η [%]</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>690</td> <td>Y 50</td> <td>3,80</td> <td>710</td> <td>6,00</td> <td>0,68</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>3,80</td> <td>710</td> <td>10,50</td> <td>0,68</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>3,80</td> <td>865</td> <td>9,10</td> <td>0,65</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	η [%]	Duty	690	Y 50	3,80	710	6,00	0,68	S1	400	D 50	3,80	710	10,50	0,68	S1	460	D 60	3,80	865	9,10	0,65	S1
V	Hz	kW	r/min	A	η [%]	Duty																														
690	Y 50	3,80	710	6,00	0,68	S1																														
400	D 50	3,80	710	10,50	0,68	S1																														
460	D 60	3,80	865	9,10	0,65	S1																														
3-Motor		50Hz : 76,7%(100%) - 79,3%(75%) - 78,1%(50%)																																		
Insul.cl.F		60Hz : IE1 - 80,4%(100%)																																		
IP55																																				
Resistance Line		Ambient: 25,8 °C		Insulation resistance at 25 °C		Overload																														
U <sub>1</sub> - V <sub>1</sub>		2,77500 Ω		R > 2000 Mohm		1000 V																														
U <sub>1</sub> - W <sub>1</sub>		2,76600 Ω				Current 150 % 120s																														
V <sub>1</sub> - W <sub>1</sub>		2,77200 Ω				Torque 160 % 15s																														
				High-voltage test winding		2400 V 60 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 D		50		6,4		0,44				750		0,10																				
Locked rotor test				137,8 D		50		11,2		1,38				0		0,52																				
Thermal test ( 100% load )		51,1		400 D		50		9,9		4,95		3,80		710		0,72		76,70																		
Partial load points:																																				
~75% load		37,7		400 D		50		8,3		3,66		2,85		722		0,63		77,80																		
~50% load		24,8		400 D		50		7,2		2,50		1,90		733		0,50		76,00																		
~25% load		12,2		400 D		50		6,3		1,46		0,95		741		0,33		65,20																		
Temperature rise at rated load.				[°C]		[K]		Method																												
Stator winding :						86,3		3										1 Resistance																		
Frame :						49,2		3										2 Thermometer																		
Bearing D-end :						59		3										3 Thermocouples																		
Ambient Temperature :				25				3																												
<p>These tests have been carried out on motor no. 3GE100813T0011, on date 2010-04-21 which is identical in electrical 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										Date of test																										
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