



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094410					
				Type: M3GP 160MLC 8 IMB3/IM1001					
				Product Code: 3GGP164430-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X IECEx LCIE 13.0047X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		400	D	50	7,5	718	18	0,70	S1
Insul.cl.F		415	D	50	7,5	721	17,6	0,69	S1
IP55		690	Y	50	7,5	718	10,5	0,70	S1
400 V 50Hz : 85.5(100%) - 86.3(75%) - 85.5(50%)									
Resistance			Ambient: 23,0 °C		Insulation resistance at 48,0 °C		Overload		
Line					2400 MΩ		1000 V		Torque 160 % 15s
U <sub>1</sub> - V <sub>1</sub>			0,99700 Ω						
U <sub>1</sub> - W <sub>1</sub>			0,99710 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,99730 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]	η[r/min]	cos φ	η [%]
No load test		400,0 D	50	11,2	0,53		748	0,07	
Locked rotor test		125,6 D	50	17,9	1,81		0	0,46	
Thermal test (100% load)	99,8	400,1 D	50	19,3	9,41	7,50	700	0,71	79,7
Partial load points:									
~75% load	74,8	400,0 D	50	15,8	6,87	5,62	716	0,63	81,9
~50% load	49,7	400,1 D	50	13,0	4,58	3,75	729	0,51	81,9
~25% load	24,9	400,0 D	50	11,3	2,47	1,87	740	0,32	75,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				88,4	1	1		Resistance	
Frame :				52,6	2	2		Thermometer	
Bearing D-end :				50,0	2	3		Thermocouples	
Rotor :				115,5	3				
Ambient Temperature :				25,0	2				
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		3.4.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211		Telefax +358 10 22 47372

Computer print-out valid without signature.