



Test Report				Date of issue: 11.6.2014							
				Serial No.: 3GP11020934							
				Type: M3GP 315SMC 6 B3							
				Product Code: 3GGP313230-ADG							
				Protection type: Ex nA IIC T3 Gc							
				Cert. No.: LCIE 12 ATEX 1008X							
				IECEx LCI 07.0001X							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		400	D 50	110	991	201	0,83	S1			
Insul.cl.F		415	D 50	110	992	196	0,82	S1			
IP55		690	Y 50	110	991	117	0,83	S1			
Eff class IE2		400 V 50Hz : IE2 - 95.0(100%) - 95.0(75%) - 94,6(50%)									
Resistance Line				Ambient: 20,0 °C			Insulation resistance at 47,5 °C		Overload		
U ₁ - V ₁				0,02490 Ω			14000 MΩ		1000 V		Torque 160 % 15s
U ₁ - W ₁				0,02488 Ω							
V ₁ - W ₁				0,02491 Ω							
							High-voltage test winding		1900 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		399,9 D	50	74,8	2,30		1000	0,04			
Locked rotor test		76,8 D	50	202,0	8,16		0	0,30			
Thermal test (100% load)	1060,0	400,3 D	50	202,1	116,1	110,0	992	0,83	94,8		
Partial load points:											
~75% load	795,7	400,1 D	50	158,6	86,9	82,5	994	0,79	95,0		
~50% load	529,0	400,2 D	50	119,7	58,2	55,0	996	0,70	94,5		
~25% load	264,0	400,1 D	50	88,9	30,1	27,5	998	0,49	91,5		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				57,7	1	1		1 Resistance			
Frame :				33,5	2	2		2 Thermometer			
Bearing D-end :				48,3	2	2		3 Thermocouples			
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		26.10.2011							
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211			
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