



Test Report				Date of issue: 10.6.2014							
				Serial No.: 3GF10043909							
				Type: M3GP 280SMC 6 IMV1/IM3011							
				Product Code: 3GGP283230-BDG							
				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	75	990	136	0,84	S1		
Insul.cl.F		415	D	50	75	991	133	0,83	S1		
IP55		690	Y	50	75	990	79	0,84	S1		
Eff class IE2		400 V 50Hz : IE2 - 94.2(100%) - 94.5(75%) - 94,1(50%)									
Resistance Line				Insulation resistance at 54,0 °C				Overload			
Ambient: 21,5 °C				2400 MΩ 1000 V				Torque 160% 15s			
U ₁ - V ₁				0,04006 Ω							
U ₁ - W ₁				0,04007 Ω							
V ₁ - W ₁				0,04009 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		400,1 D	50	42,4	1,53		1000	0,05			
Locked rotor test		86,4 D	50	136,0	6,49		0	0,35			
Thermal test (100% load)	723,5	400,1 D	50	137,4	80,2	75,0	988	0,84	93,5		
Partial load points:											
~75% load	541,8	400,1 D	50	105,3	59,8	56,3	992	0,82	94,1		
~50% load	360,1	400,1 D	50	76,6	39,9	37,5	994	0,75	93,9		
~25% load	180,0	400,0 D	50	53,1	20,5	18,8	997	0,56	91,4		
Temperature rise at rated load.				°C	K	Method		Measurement method			
		Stator winding :			76,1	1		1 Resistance			
		Frame :			54,7	2		2 Thermometer			
		Bearing D-end :			54,9	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		15.10.2010						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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