



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF10043909							
				Type: M3KP 280SMC 6 IMV1/IM3011							
				Product Code: 3GKP283230-BDG							
				Protection type: Ex de IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X							
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				Ambient: 21,5 °C				Insulation resistance at 54,0 °C		Overload	
U ₁ - V ₁				0,04006 Ω				2400 MΩ		1000 V	
U ₁ - W ₁				0,04007 Ω						Torque 160% 15s	
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	
								Telefax		+358 10 22 47372	

Computer print-out valid without signature.