



Type Test Report				Date of issue: 5.6.2014															
				Serial No.: 3GP11020768															
Rating: 3-Motor Insul.cl.F IP55				Order No.: 596095-30 / 30160173-1		Type: M3KP 355SMA 2 B3													
				Product Code: 3GKP351210-ADG		Protection type: Ex de IIB T4 Gb													
				Cert. No.: LCIE 10 ATEX 3089X /		IECEX LCI 04.0008X													
				V		Hz		kW		r/min		A		cos φ		Duty			
				400		D 50		250,0		2984		425		0,89		S1			
Resistance Line				Ambient: 20,0 °C				Insulation resistance at 49,5 °C 1500 MΩ 1000 V				Overload Torque 160 % 15s							
U ₁ - V ₁				0,00471 Ω				High-voltage test winding 1900 V 60 s											
U ₁ - W ₁				0,00472 Ω															
V ₁ - W ₁				0,00472 Ω															
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		106,2		5,133				3000		0,0698			
Locked rotor test				59,6 D		50		424,9		10,41				0		0,2374			
Thermal test (100% load)		800,1		400,3 D		50		422,4		259,07		250,00		2985		0,89		96,50	
Partial load points:																			
~75% load		602,3		400,3 D		50		325,1		194,81		187,50		2990		0,87		96,20	
~50% load		398,7		400,4 D		50		233,7		131,10		125,00		2993		0,81		95,30	
~25% load		199,2		400,4 D		50		153,8		67,88		62,50		2997		0,64		92,10	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				50,6		1		1 Resistance											
Frame :				21,8		2		2 Thermometer											
Bearing D-end :				36,9		2		3 Thermocouples											
Ambient Temperature :				25		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				28.10.2011				Telephone +358 10 2211				Telefax +358 10 22 47372			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland																			

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