



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094436					
				Type: M3KP 180MLC 4 IMB3/IM1001					
				Product Code: 3GKP182430-ADH					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	30	1473	33,6	0,81	S1		
Insul.cl.F	400	D 50	30	1473	57,9	0,81	S1		
IP55	415	D 50	30	1474	57,2	0,79	S1		
Eff class IE1		50Hz : IE1 - 92.2(100%) - 92.3(75%) - 91.6(50%)							
Resistance			Ambient: 22,0 °C		Insulation resistance at 36,5 °C		Overload		
Line			8000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,14279 Ω						
U ₁ - W ₁			0,14300 Ω						
V ₁ - W ₁			0,14277 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]	n[r/min]	cos φ	η [%]
No load test		400,0	D 50	27,3	1,09		1498	0,06	
Locked rotor test		86,3	D 50	57,9	3,05		0	0,35	
Thermal test (100% load)	194,5	400,1	D 50	59,4	33,0	30,0	1466	0,80	90,9
Partial load points:									
~75% load	145,9	400,0	D 50	47,7	24,6	22,5	1476	0,75	91,4
~50% load	97,0	400,1	D 50	37,7	16,6	15,0	1483	0,63	90,6
~25% load	48,6	400,1	D 50	30,3	8,72	7,50	1491	0,42	86,0
Temperature rise at rated load.			[°C]		[K]		Method		Measurement method
Stator winding :			88,5		1				1 Resistance
Frame :			37,8		2				2 Thermometer
Bearing D-end :			51,7		2				3 Thermocouples
Rotor :			112,7		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		6.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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