



Test Report				Date of issue: 4.6.2014				
				Serial No.: 0752-010227745				
				Type: M3KP 180MLB 6 B3				
				Product Code: 3GKP183420-H				
				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	400	D 50	15	972	29,2	0,82	S1	
Insul.cl.F	415	D 50	15	974	28,7	0,80	S1	
IP55	690	Y 50	15	972	16,9	0,82	S1	
Eff class IE2 400 V 50Hz : IE2 - 90.4(100%) - 91.0(75%) - 90.4(50%)								
Resistance				Insulation resistance at 21,0 °C			Overload	
Line	Ambient: 22,0 °C			20000 MΩ 1000 V		Torque 160% 15s		
U ₁ - V ₁	0,36630 Ω							
U ₁ - W ₁	0,36640 Ω							
V ₁ - W ₁	0,36590 Ω							
				High-voltage test winding 2400 V		60 s		
Test	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	13,6	0,56		1000	0,06	
Locked rotor test	93,3	D 50	31,2	1,62		0	0,32	
Thermal test (100% load)	399,8	D 50	29,8	16,7	15,0	973	0,81	90,0
Partial load points:								
~75% load	400,0	D 50	23,8	12,4	11,3	981	0,75	90,7
~50% load	400,0	D 50	18,6	8,31	7,50	988	0,65	90,2
~25% load	400,1	D 50	14,8	4,37	3,75	994	0,43	85,8
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method		
Stator winding :			60,0	60,0	1	1 Resistance		
Frame :			33,9	33,9	2	2 Thermometer		
Bearing D-end :			32,4	32,4	2	3 Thermocouples		
Rotor:			83,2	83,2	3			
Ambient Temperature :			25,0	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		11.7.2008			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland					Telephone +358 10 2211 Telefax +358 10 22 47372			

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