



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094425					
				Type: M3KP 160MLG 4 IMB3/IM1001					
				Product Code: 3GKP162470-ADH					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3087X / IECEx LCI 09.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	22	1466	25	0,81	S1		
Insul.cl.F	400	D 50	22	1466	43,1	0,81	S1		
IP55	415	D 50	22	1469	42,8	0,79	S1		
Eff class IE1		50Hz : IE1 - 90.8(100%) - 91.1(75%) - 90.4(50%)							
Resistance			Ambient: 22,0 °C		Insulation resistance at 35,0 °C		Overload		
Line					14000 MΩ 1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,22430 Ω						
U ₁ - W ₁			0,22430 Ω						
V ₁ - W ₁			0,22460 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		399,9 D	50	21,1	0,86		1498	0,06	
Locked rotor test		83,7 D	50	43,1	2,53		0	0,41	
Thermal test (100% load)	143,3	400,1 D	50	44,0	24,3	22,0	1462	0,80	90,4
Partial load points:									
~75% load	107,5	400,0 D	50	35,6	18,2	16,5	1472	0,74	90,7
~50% load	71,7	400,0 D	50	28,3	12,2	11,0	1481	0,62	89,9
~25% load	35,9	400,0 D	50	22,9	6,48	5,50	1489	0,41	84,9
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			81,0	1	1		Resistance		
Frame :			40,0	2	2		Thermometer		
Bearing D-end :			48,9	2	3		Thermocouples		
Rotor :			115,1	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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