



Test Report					Date of issue: 4.6.2014							
					Serial No.: 0751-010227549							
					Type: M3KP 160MLE 4 B3 Product Code: 3GKP162450-H 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					400	D	50	15	1467	28	0,84	S1
Insul.cl.F					415	D	50	15	1471	27,6	0,82	S1
IP55					690	Y	50	15	1467	16	0,84	S1
Eff class IE2					400 V 50Hz : IE2 - 92.0(100%) - 92.4(75%) - 92.1(50%)							
Resistance					Insulation resistance at 49,0 °C					Overload		
Line					10000 MΩ 1000 V					Torque 160% 15s		
U ₁ - V ₁					Ambient: 23,5 °C							
U ₁ - W ₁					0,34390 Ω							
V ₁ - W ₁					0,34380 Ω							
					0,34370 Ω							
					High-voltage test winding 1900 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		400,1 D	50	11,17	0,46		1500	0,06				
Locked rotor test		87,3 D	50	30,1	1,70		0	0,37				
Thermal test (100% load)	97,7	400,0 D	50	28,4	16,4	15,0	1464	0,83	91,6			
Partial load points:												
~75% load	73,2	400,1 D	50	22,5	12,3	11,3	1474	0,79	92,0			
~50% load	48,9	400,1 D	50	17,3	8,30	7,59	1483	0,69	91,4			
~25% load	24,5	400,0 D	50	13,1	4,37	3,82	1490	0,48	87,4			
Temperature rise at rated load.					[°C]	[K]	Method	Measurement method				
Stator winding :					45,8	1	1 Resistance					
Frame :					27,0	2	2 Thermometer					
Bearing D-end :					29,0	2	3 Thermocouples					
Rotor:					74,5	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 9.6.2008												
Tested by ABB Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372												

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