



Test Report				Date of issue: 25.11.2015					
				Serial No.: 3GF11076115					
				Type: M3KP 225SME 4 IMB35/IM2001					
				Product Code: 3GKP222250-DG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3057X /					
				IECEx LCI 04.0005X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	62	1480	68,0	0,84	S1	
Insul.cl.F		400	D 50	62	1480	114	0,84	S1	
IP56		415	D 50	62	1483	116	0,8	S1	
Eff class IE1		50Hz : IE1 - 93.3%(100%) - 93.3%(75%) - 92.2%(50%)							
Resistance				Insulation resistance at 40,5 °C		Overload			
Line		Ambient: 23,5 °C		5110 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,05283 Ω							
U ₁ - W ₁		0,05291 Ω							
V ₁ - W ₁		0,05283 Ω							
				High-voltage test winding		1900 V		60 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	44,4	1,66		1500	0,05	
Locked rotor test		76,9 D	50	112,9	5,68		0	0,38	
Thermal test (100% load)	400,9	400,0 D	50	115,3	66,5	62,0	1480	0,83	93,3
Partial load points:									
~75% load	300,4	400,1 D	50	90,4	49,7	46,5	1484	0,79	93,5
~50% load	200,4	400,1 D	50	68,3	33,4	31,0	1489	0,71	92,9
~25% load	100,2	400,1 D	50	50,9	17,4	15,5	1495	0,49	89,3
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				67,2	1			1 Resistance	
Frame :				37,2	2			2 Thermometer	
Bearing D-end :				45,4	2			3 Thermocouples	
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		19.6.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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