



<b>Test Report</b>				Date of issue: 4.6.2014						
				Serial No.: 3GF10025157						
				Type: M3KP 280SMB 2 IMV1/IM3011						
				Product Code: 3GKP281220-BDG						
				Protection type: Ex de IIB T4 Gb						
				Cert. No.: LCIE 11 ATEX 3089X / IECEX LCI 04.0006X						
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				400	D	50	2976	153	0,90	S1
Insul.cl.F				415	D	50	2978	149	0,89	S1
IP55				690	Y	50	2976	89	0,90	S1
Eff class IE2				400 V 50Hz : IE2 - 94.6(100%) - 94,5(75%) - 93.5(50%)						
Resistance Line				Ambient: 23,0 °C		Insulation resistance at 57,5 °C		Overload		
U <sub>1</sub> - V <sub>1</sub>				0,02720 Ω		2000 MΩ		1000 V		Torque 160% 15s
U <sub>1</sub> - W <sub>1</sub>				0,02720 Ω						
V <sub>1</sub> - W <sub>1</sub>				0,02718 Ω						
				High-voltage test winding		2400 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	36,5	2,33		3000	0,09		
Locked rotor test		67,3 D	50	152,2	5,20		0	0,29		
Thermal test (100% load)	288,8	400,0 D	50	154,6	95,3	90,0	2975	0,89	94,5	
Partial load points:										
~75% load	216,2	400,0 D	50	117,8	71,4	67,5	2984	0,88	94,6	
~50% load	143,9	400,1 D	50	83,8	48,0	45,0	2990	0,83	93,7	
~25% load	71,6	400,0 D	50	54,2	25,0	22,5	2997	0,67	90,0	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				61,9	61,9	1		1 Resistance		
Frame :				28,6	28,6	2		2 Thermometer		
Bearing D-end :				39,7	39,7	2		3 Thermocouples		
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		16.6.2010				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211	
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