



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 280SMB 2						
				Product Code: 3GJM281220_DL						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3089 X / IECEX LCI 04.0006X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	75	2978	75,3	0,88	S1		
Insul.cl.F		400	D 50	75	2978	130	0,88	S1		
IP66		415	D 50	75	2980	126	0,87	S1		
		440	D 60	75	3577	118	0,88	S1		
		460	D 60	75	3579	115	0,87	S1		
Eff class IE3		50Hz : IE3-94.7%(100%)-94.4%(75%)-93.5%(50%) 60Hz : IE3-94,1%(100%)								
Resistance				Insulation resistance at 53 °C			Overload			
Line		Ambient: 23 °C		16000 MΩ 1000 V			Torque 160% 15s			
U ₁ - V ₁		0,02570 Ω								
U ₁ - W ₁		0,02566 Ω								
V ₁ - W ₁		0,02573 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	34,5	1,95		3000	0,08		
Locked rotor test		64,1 D	50	131,0	4,18		0	0,29		
Thermal test (100% load)	240,6	400,2 D	50	129,5	79,0	75,0	2978	0,88	95,0	
Partial load points:										
~75% load	180,0	400,1 D	50	99,3	59,3	56,3	2984	0,86	94,8	
~50% load	120,0	400,1 D	50	71,8	40,0	37,5	2990	0,80	93,9	
~25% load	59,7	400,1 D	50	48,5	20,8	18,8	2995	0,62	90,0	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				52	1			1 Resistance		
Frame :				31	2			2 Thermocouples		
Bearing D-end :				33	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF13166413, on date 2013-07-19 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>										

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