



Test Report				Date of issue: 19.11.2015							
				Type: M3JM 315MLB 6 Product Code: 3GJM313420_DL Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3090 X / IECEX LCI 04.0007X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	132	995	141	0,82	S1	
Insul.cl.F				400	D 50	132	995	242	0,82	S1	
IP66				415	D 50	132	995	241	0,80	S1	
				440	D 60	132	1195	218	0,83	S1	
				460	D 60	132	1196	211	0,82	S1	
Eff class IE3				50Hz : IE3 - 95.4%(100%) - 95.5%(75%) - 95.1%(50%) 60Hz : IE3 - 95.8%(100%)							
Resistance				Insulation resistance at 43 °C				Overload			
Line Ambient: 24 °C				17000 MΩ 1000 V				Torque 160% 15s			
U ₁ - V ₁				0,01862 Ω							
U ₁ - W ₁				0,01864 Ω							
V ₁ - W ₁				0,01862 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		399,9 D	50	87,1	2,22		1000	0,04			
Locked rotor test		77,7 D	50	239,6	7,95		0	0,25			
Thermal test (100% load)	1268	400,3 D	50	241,5	137,9	132,0	995	0,82	95,7		
Partial load points:											
~75% load	954,0	400,3 D	50	190,3	103,3	99,0	996	0,78	95,8		
~50% load	636,7	400,4 D	50	144,6	69,1	66,0	998	0,69	95,5		
~25% load	319,5	400,4 D	50	108,8	35,5	33,0	999	0,47	93,0		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				52	1			1 Resistance			
Frame :				36	2			2 Thermocouples			
Bearing D-end :				34	2			3 Thermometer			
Rotor :				67	3						
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 3GF13172200, on date 2013-08-29 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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