



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 180MLC 6						
				Product Code: 3GJH183430-_DH						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	18,5	971	23,9	0,74	S1		
Insul.cl.F		400	D 50	18,5	971	41,2	0,74	S1		
IP66		415	D 50	18,5	976	41,3	0,71	S1		
Eff class IE1		50Hz: IE1 - 89.9%(100%) - 89.6%(75%) - 87.8%(50%)								
Resistance				Insulation resistance at 36 °C			Overload			
Line		Ambient: 22 °C		13000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,25580 Ω								
U ₁ - W ₁		0,25640 Ω								
V ₁ - W ₁		0,25550 Ω								
				High-voltage test winding 2900 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		400,0 D	50	25,5	0,89		998	0,05		
Locked rotor test		85,3 D	50	40,0	2,14		0	0,36		
Thermal test (100% load)	181,2	400,1 D	50	41,3	20,8	18,5	971	0,73	88,9	
Partial load points:										
~75% load	135,4	399,9 D	50	34,7	15,5	13,9	979	0,65	89,3	
~50% load	91,4	400,0 D	50	29,4	10,5	9,25	986	0,52	88,1	
~25% load	45,4	400,0 D	50	25,7	5,64	4,62	993	0,32	82,1	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method			
Stator winding :				81	1		1 Resistance			
Frame :				37	2		2 Thermocouples			
Bearing D-end :				48	2		3 Thermometer			
Rotor:				98	3					
Ambient Temperature :		25			2					
<p>These tests have been carried out on motor no. 3GF11094429, on date 2012-02-26, which is identical in electrical 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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