



<b>Test Report</b>		Date of issue: 19.11.2015							
		Type: M3JM 160MLB 4 Product Code: 3GJM162420-_DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3087 X / IECEx LCI 09.0008X							
Rating:		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	15,0	1474	16,1	0,84	S1	
Insul.cl.F		400	D 50	15,0	1474	27,8	0,84	S1	
IP66		660	Y 50	15,0	1471	17,0	0,85	S1	
		380	D 50	15,0	1471	29,0	0,85	S1	
		415	D 50	15,0	1477	27,0	0,83	S1	
		460	D 60	15,0	1778	24,3	0,83	S1	
Eff class IE3		50Hz : IE3-92,6(100%)-93,4(75%)-93,2(50%) 60Hz : IE3-93,1(100%)							
Resistance		Ambient: 21,4 °C				Insulation resistance at 23 °C		Overload	
Line		U <sub>1</sub> - V <sub>1</sub>		0,29640 Ω	R > 2000 Mohm		1000 V	Torque 160 % 15s	
		U <sub>1</sub> - W <sub>1</sub>		0,29510 Ω					
		V <sub>1</sub> - W <sub>1</sub>		0,29520 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]	η[r/min]	cos φ	η [%]
No load test		400,0 D	50	11,2	0,35		1500	0,05	
Locked rotor test		76,0 D	50	27,2	1,07		0	0,30	
Thermal test ( 100% load	97,2	400,0 D	50	28,4	16,2	15,0	1474	0,82	92,7
Partial load points:									
~75% load	73,5	400,0 D	50	22,7	12,2	11,4	1481	0,78	93,3
~50% load	48,9	400,0 D	50	17,4	8,19	7,63	1488	0,68	93,1
~25% load	25,2	400,0 D	50	13,3	4,35	3,94	1494	0,47	90,5
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :		50		1			1 Resistance		
Frame :		36		2			2 Thermocouples		
Bearing D-end :		36		2			3 Thermometer		
Ambient Temperature :		23		2					
<p>These tests have been carried out on motor no. 3GV1110794430001, on date 2011-11-16 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>									
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