



Test Report		Date of issue: 19.11.2015							
		Type: M3JM 160MLB 2 Product Code: 3GJM161420-_DK Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3087X / IECEx LCI 09.0008X							
Rating:		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	15,0	2943	14,7	0,92	S1	
Insul.cl.F		400	D 50	15,0	2943	25,4	0,92	S1	
IP66		660	Y 50	15,0	2935	15,4	0,93	S1	
		380	D 50	15,0	2935	26,5	0,93	S1	
		415	D 50	15,0	2948	24,7	0,91	S1	
Eff class IE3		460	D 60	15,0	3552	22,1	0,92	S1	
		50Hz : IE3-92,5(100%)-93,4(75%)-93,2(50%) 60Hz : IE3-92,3(100%)							
Resistance		Ambient: 22 °C				Insulation resistance at 22 °C		Overload	
Line		U ₁ - V ₁ 0,28310 Ω				R > 2000 Mohm 1000 V		Torque 160 % 15s	
		U ₁ - W ₁ 0,28150 Ω							
		V ₁ - W ₁ 0,28140 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		400,0 D	50	7,37	0,36		3000	0,07	
Locked rotor test		56,0 D	50	29,2	1,09		0	0,39	
Thermal test (100% load	48,5	400,0 D	50	25,7	16,1	15,0	2951	0,90	93,1
Partial load points:									
~75% load	35,9	400,0 D	50	19,7	11,9	11,1	2963	0,87	93,5
~50% load	22,3	400,0 D	50	13,7	7,49	6,96	2978	0,79	93,0
~25% load	12,0	400,0 D	50	9,86	4,16	3,75	2988	0,61	90,2
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method	
Stator winding :		41		1				1 Resistance	
Frame :		22		2				2 Thermocouples	
Bearing D-end :		21		2				3 Thermometer	
Ambient Temperature :		22		2					
<p>These tests have been carried out on motor no. 3GV1110777052001, on date 2011-10-06 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 AB, LV Motors, 721 70 Västerås, Sweden</p> <p>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>									

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