



Test Report				Date of issue: 23.11.2015							
				Type: M3JM 280SMB 8 Product Code: 3GJM284220-_DG Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	45	741	51,7	0,78	S1	
Insul.cl.F				400	D 50	45	741	89,2	0,78	S1	
IP66				415	D 50	45	742	88,2	0,75	S1	
Eff class IE2				50Hz : IE2 - 92,1%(100%) - 92,3%(75%) - 91,7%(50%)							
Resistance				Insulation resistance at 23 °C				Overload			
Line				Ambient: 23 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				0,08225 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,08260 Ω							
V ₁ - W ₁				0,08235 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		400,6 D	50	40,5	1,15		750	0,04			
Locked rotor test		90,9 D	50	90,2	3,82		0	0,27			
Thermal test (100% load)	579,9	400 D	50	89,6	48,23	45,00	741	0,78	93,30		
Partial load points:											
~75% load	433,5	400 D	50	72,1	36,12	33,75	744	0,72	93,40		
~50% load	288,4	400 D	50	57,1	24,23	22,50	745	0,61	92,90		
~25% load	143,6	400 D	50	45,6	12,56	11,25	748	0,40	89,60		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				59	1			1 Resistance			
Frame :				35	2			2 Thermocouples			
Bearing D-end :				36	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 075033774004001, on date 2011-12-03, 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>											
On behalf of customer											
On behalf of manufacturer											
Tested by ABB Shanghai Motors, LV Motors, Shanghai, P.R.China						Telephone +86 21 54723133 Telefax +86 21 54725009					

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