



Test Report				Date of issue: 23.11.2015						
				Type: M3JM 315MLA 2 B3						
				Product Code: 3GJM311410-ADK						
				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		400	D 50	150,0	2985	251	0,89	S1		
Insul.cl.F		415	D 50	150,0	2985	244	0,88	S1		
IP66		690	Y 50	150,0	2985	145	0,89	S1		
Eff class IE4		50Hz : IE4 - 97.2%(100%) - 97.3%(75%) - 97.0%(50%)								
Resistance				Insulation resistance at 42 °C			Overload			
Line		Ambient: 21,5 °C		2500 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,01105 Ω								
U ₁ - W ₁		0,01107 Ω								
V ₁ - W ₁		0,01106 Ω								
				High-voltage test winding			1900 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 D	50	61,2	1,666		3000	0,039		
Locked rotor test		60 D	50	251,9	6,93		0	0,265		
Thermal test (100% load)	512,4	400,5 D	50	251,3	154,33	150,00	2985	0,89	97,20	
Partial load points:										
~75% load	362,1	400,6 D	50	192,4	115,65	112,50	2989	0,87	97,30	
~50% load	236,9	400,7 D	50	137,4	77,32	75,00	2993	0,81	97,00	
~25% load	119,6	400,8 D	50	89,9	39,34	37,50	2997	0,63	95,30	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				50,1	1	1		1 Resistance		
Frame :				25	2	2		2 Thermometer		
Bearing D-end :				32,3	2	2		3 Thermocouples		
Rotor:					3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GP11024287, on date 2011-10-12 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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