



Test Report				Date of issue: 25.5.2015					
Customer:				Serial No.:					
Customer ref.:				Order No.:					
				Type: M3JP 180MLB 4					
				Product Code: 3GJP182420-ADK					
				Protection type: Ex d IIB T4 Gb					
				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	22,0	1480	24,1	0,82	S1		
Insul.cl.F	400	D 50	22,0	1480	41,5	0,82	S1		
IP55	660	Y 50	22,0	1477	42,7	0,84	S1		
	380	D 50	22,0	1477	42,7	0,84	S1		
	415	D 50	22,0	1482	40,9	0,80	S1		
	460	D 60	22,0	1783	35,8	0,82	S1		
Eff class IE3	50Hz : IE3-93,3(100%)-94,1(75%)-94,1(50%)								
	60Hz : IE3-93,8(100%)								
Resistance			Insulation resistance at 23 °C			Overload			
Line	Ambient: 24,8 °C		R > 2000 Mohm		1000 V	Current 150 %	120s		
U <sub>1</sub> - V <sub>1</sub>	0,1925 Ω					Torque 160 %	15s		
U <sub>1</sub> - W <sub>1</sub>	0,1916 Ω					Speed 120 %	120s		
V <sub>1</sub> - W <sub>1</sub>	0,1922 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 D	50	16,5	0,51		1500	0,04	
Locked rotor test		76 D	50	40,6	1,64		0	0,31	
Thermal test ( 100% load )	141,8	400 D	50	41,7	23,60	22,00	1481	0,82	93,21
Partial load points:									
~75% load	106,7	400 D	50	33,1	17,73	16,61	1486	0,77	93,65
~50% load	71,2	400 D	50	25,5	11,90	11,11	1491	0,67	93,36
~25% load	35,9	400 D	50	19,5	6,22	5,63	1496	0,46	90,53
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				59,4	1	1 Resistance			
Frame :				39,7	2	2 Thermometer			
Bearing D-end :				38,7	2	3 Thermocouples			
Ambient Temperature :				23	2				
<p>These tests have been carried out on motor no.3GV1110779333001, on date 2011-09-27 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				Date of test		Telephone +46 (0)21 32 90 00			
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telefax +46 (0)21 32 90 22			

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