



Type Test Report				Date of issue: 2019/06/25																					
Customer:				Serial No.:																					
Customer ref.:				Type: M2BAX 280SME 2 IMB3/IM1001 Product Code: 3GBA281250-ADT Protection type: IP55 Cert. No.:																					
Rating:				<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos j</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>400</td> <td>D</td> <td>50</td> <td>90</td> <td>2970</td> <td>152</td> <td>0.91</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos j	Duty	400	D	50	90	2970	152	0.91	S1
V	Hz	kW	r/min	A	cos j	Duty																			
400	D	50	90	2970	152	0.91	S1																		
3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2-94.1(100%)-94.3(75%)-94.2(50%)																					
Resistance Line				Ambient: 20.0 °C			Insulation resistance at 29 °C		Overload																
U ₁ - V ₁				0.02652 W			R > 2000 Mohm		Voltage 130% 180s																
U ₁ - W ₁				0.02653 W			1000 V		Torque 160% 15s																
V ₁ - W ₁				0.02651 W			High-voltage test winding		Speed 120% 120s																
							2400 V		60 s																
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos j	h [%]																
No load test		399.2	D 50	31.79	1.79		2998	0.09																	
Locked rotor test		52	D 50	151	4.45		0	0.33																	
Thermal test (100% load)	289.0	400.0	D 50	151	94.57	90	2974	0.91	95.17																
Partial load points:																									
~75% load	216.3	400.0	D 50	114.95	70.88	67.50	2981	0.89	95.23																
~50% load	143.9	400.0	D 50	81.24	47.56	45.00	2987	0.85	94.62																
~25% load	71.8	400.0	D 50	51.33	24.57	22.50	2994	0.69	91.57																
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																	
Stator winding :				73.0	1	1		1 Resistance																	
Frame :					2	2		2 Thermometer																	
Bearing D-end :					2	2		3 Thermocouples																	
Rotor :					2																				
Ambient Temperature :					2																				
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																									
On behalf of customer																									
On behalf of manufacturer				Date of test			8/2/2018																		
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China							Telephone +86 21 54723133 Telefax +86 21 54725009																		

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