

Producer: Siemens Standard Motors Ltd.								
Address : No. 110, West Street Qingshan Town Yizheng City Jiangsu Province 211417, P.R.China								
TYPE TEST CERTIFICATE OF INDUCTION MOTOR								
TEST No...Probe Nr. :								
TYPE... : 1LG0106-6AA		SERIAL-No: 11259		spec.: 3				
1.5 kW	380 V	Y	4 A	920 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	31 kg			
WINDING RESISTANCE - cold				$R_{f20} = 6.211538 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta =$	-1 °C	R (Ω) :	3.80000	3.80000	3.80000			
$M_N =$	15.6 Nm	LOAD TEST					1. MEASURING	
		1.	2.	3.	4.	5.		6.
P_{in} (W)	2042	1894						
P (W)	1613	1500	1500				1500	
U (V)	380						380	
I (A)	4.0	3.7	3.7				4	
f (Hz)	50	50	50				50	
SPEED (1/min)	930	935	935				920	
Torque (Nm)	16.6							
η (%)	78.98	79.21	78.6				75.2	
$\cos \varphi$ (-)	0.770	0.768					0.75	
$M_{ST} / M_N \ \diamond \ M_A / M_N$ (-)	2.0	2.0					2.0	
$I_{ST} / I_N \ \diamond \ I_A / I_N$ (-)	4.7	4.7					5.5	
$M_{MAX} / M_N \ \diamond \ M_K / M_N$ (-)	2.31	2.31					2.1	
SLIP ... (%)	7.00	6.51					8.00	
WINDING - $\Delta \vartheta$ (K)	56.6 (30 s)	50.8 (30 s)	EN 60034-2 Tref = 95°C				80	
ϑ_a (°C)	4	4						
FRAME - $\Delta \vartheta$ (K)	45	40.4						
TIME ... (min)	180							
BEARING_D - $\Delta \vartheta$ (K)	38	34.1						
RESISTANCE - warm (Ω)	4.80000	4.70587	... U-V	$R_{isol} = 0.2 \ G\Omega$				
	4.80000	4.70587	... U-W					
	4.80000	4.70587	... V-W					
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
U_o (V)	I_o (A)	P_o (W)	$\cos \varphi_o$ (-)	U_A (V)	I_A (A)	M_A (N.m.)	P_A (W)	$\cos \varphi_A$ (-)
380	2.41443	220	0.138	380	19.0	31.5	8050	0.645
COIL TEST		HIGH-SPEED TEST		HIGH POTENCIAL TEST				
130% U_N - 3 min.		120% n_{MAX} - 2 min.		2500 V - 1 min.				
TESTS CONFORM to the ... EN 60034								
NOTE							order:	
A&D SD MF QM		DATE... 15/1/2009		PAGE... 1 / 6		SIGNATURE LAZ		