

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... : 1LG0083-6AA		SERIAL-No: 137		spec.: 3				
0.55 kW	380 V	Y	1.79 A	885 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	16.5 kg			
WINDING RESISTANCE - cold					$R_{f20} = 22.167134 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 0.5 \text{ °C}$	$R (\Omega) :$	13.64800	13.64800	13.64800				
$M_N = 5.9 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	884	784					2. CORRECTED for Pn	
$P (W)$	615	550	550			550		
$U (V)$	380					380		
$I (A)$	1.8	1.6	1.6			1.79		
$f (Hz)$	50	50	50			50		
SPEED (1/min)	892	903	903			885	3. CORRECTED FOR T_{REF} according EN 60034-2	
Torque (Nm)	6.6							
$\eta (\%)$	69.60	70.19	69.5			65		
$\cos \varphi (-)$	0.763	0.757				0.72		
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.0	2.0				1.9		
$I_{ST} / I_N \diamond I_A / I_N (-)$	3.4	3.4				4.7	4. CORRECTED FOR T_{REF} according CEMEP	
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.02	2.02				2.1		
SLIP ... (%)	10.80	9.65				11.50		
WINDING - $\Delta \vartheta (K)$	68.5 (30 s)	58.0 (30 s)	EN 60034-2 $T_{ref} = 95 \text{ °C}$			80		
$\vartheta_a (\text{°C})$	3	3						
FRAME - $\Delta \vartheta (K)$	63.5	53.8					5. MEASURING at 75% Pn	
TIME ... (min)	180							
BEARING_D - $\Delta \vartheta (K)$	55	46.6						
RESISTANCE - warm (Ω)	17.76500 17.76500 17.76500	17.15544 17.15544 17.15544	$R_{isol} = 0.2 G\Omega$				6. GUARANTED	
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	1.26046	150	0.180	380	6.0	11.8	2839	0.718
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... 13/1/2009		PAGE... 1 / 6		SIGNATURE LAZ		