

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... : 1LG0206-2AA		SERIAL-No: 6560		spec.: 3				
30 kW	380 V	D	55.4 A	2950 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	225 kg			
WINDING RESISTANCE - cold					$R_{f20} = 0.233821 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 4 \text{ °C}$	$R (\Omega) :$	0.14610	0.14610	0.14610				
$M_N = 97.1 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} \text{ (W)}$	34300	32911					2. CORRECTED for P _n	
$P \text{ (W)}$	31247	30000	30000			30000		
$U \text{ (V)}$	380					380		
$I \text{ (A)}$	58.9	56.6	56.6			55.4		
$f \text{ (Hz)}$	50	50	50			50		
SPEED (1/min)	2947	2949	2949			2950	3. CORRECTED FOR T _{REF} according EN 60034-2	
Torque (Nm)	101.3							
$\eta \text{ (%)}$	91.10	91.15	91.0			90.7		
$\cos \varphi \text{ (-)}$	0.885	0.884				0.9		
$M_{ST} / M_N \diamond M_A / M_N \text{ (-)}$	2.1	2.1				2.0		
$I_{ST} / I_N \diamond I_A / I_N \text{ (-)}$	7.3	7.3				7.5	4. CORRECTED FOR T _{REF} according CEMEP	
$M_{MAX} / M_N \diamond M_K / M_N \text{ (-)}$	2.57	2.57				2.3		
SLIP ... (%)	1.77	1.70				1.67		
WINDING - $\Delta \vartheta \text{ (K)}$	71.3 (30 s)	67.1 (30 s)	EN 60034-2 T _{ref} = 95°C			80		
$\vartheta_a \text{ (°C)}$	5	5						
FRAME - $\Delta \vartheta \text{ (K)}$	50	47.0					5. MEASURING at 75% P _n	
TIME ... (min)	210							
BEARING_D - $\Delta \vartheta \text{ (K)}$	42	39.5						
RESISTANCE - warm (Ω)	0.19030 0.19030 0.19030	0.18773 0.18773 0.18773	$R_{isol} = 0.2 G\Omega$				6. GUARANTED	
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_o \text{ (V)}$	$I_o \text{ (A)}$	$P_o \text{ (W)}$	$\cos \varphi_o \text{ (-)}$	$U_A \text{ (V)}$	$I_A \text{ (A)}$	$M_A \text{ (N.m.)}$	$P_A \text{ (W)}$	$\cos \varphi_A \text{ (-)}$
380	13.739	1363	0.151	380	402.3	200.0	115766	0.437
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... 3/4/2009		PAGE... 1 / 6		SIGNATURE LAZ		