

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... : 1LG0206-4AA		SERIAL-No: 24721		spec.: 3				
30 kW	380 V	D	57.5 A	1470 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	225 kg			
WINDING RESISTANCE - cold					$R_{f20} = 0.236001 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 18 \text{ °C}$	$R (\Omega) :$	0.15610	0.15610	0.15610				
$M_N = 194.9 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	33570	32824					2. CORRECTED for Pn	
$P (W)$	30660	30000	30000			30000		
$U (V)$	380					380		
$I (A)$	57.6	56.4	56.4			57.5		
$f (Hz)$	50	50	50			50		
SPEED (1/min)	1465	1466	1466			1470	3. CORRECTED FOR T_{REF} according EN 60034-2	
Torque (Nm)	199.9							
$\eta (\%)$	91.33	91.40	91.4			90.7		
$\cos \varphi (-)$	0.886	0.885				0.86		
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.3	2.3				2.2		
$I_{ST} / I_N \diamond I_A / I_N (-)$	7.1	7.1				7.2	4. CORRECTED FOR T_{REF} according CEMEP	
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.34	2.34				2.3		
SLIP ... (%)	2.33	2.28				2.00		
WINDING - $\Delta \vartheta (K)$	75.0 (30 s)	72.6 (30 s)	EN 60034-2 $T_{ref} = 95 \text{ °C}$			80		
$\vartheta_a (\text{°C})$	18.5	18.5						
FRAME - $\Delta \vartheta (K)$	37	35.8					5. MEASURING at 75% Pn	
TIME ... (min)	300							
BEARING_D - $\Delta \vartheta (K)$	55.5	53.7						
RESISTANCE - warm	0.20270	0.20122	... U-V				6. GUARANTED	
(Ω)	0.20270	0.20122	... U-W $R_{isol} = 0.2 G\Omega$					
	0.20270	0.20122	... 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	17.8312	1085	0.092	380	405.5	441.6	121839	0.457
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... 6/11/2008		PAGE... 1 / 6		SIGNATURE LAZ		