

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... : 1LG0107-4AA		SERIAL-No: 28994		spec.: 3				
3 kW	380 V	Y	6.8 A	1410 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	35 kg			
WINDING RESISTANCE - cold				$R_{f20} = 2.835830 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta =$	9 °C	R (Ω) :	1.80900	1.80900	1.80900			
$M_N =$	20.3 Nm	LOAD TEST						
		1.	2.	3.	4.	5.	6.	1. MEASURING
P_{in} (W)		3502	3605					2. CORRECTED for P _n
P (W)		2917	3000	3000			3000	
U (V)		380					380	
I (A)		6.6	6.8	6.8			6.8	
f (Hz)		50	50	50			50	
SPEED (1/min)		1428	1426	1426			1410	3. CORRECTED FOR T _{REF} according EN 60034-2
Torque (Nm)		19.5						
η (%)		83.29	83.22	83.1			81.5	
cos φ (-)		0.803	0.803				0.82	
$M_{ST} / M_N \ \diamond \ M_A / M_N$ (-)		2.7	2.7				2.3	
$I_{ST} / I_N \ \diamond \ I_A / I_N$ (-)		6.7	6.7				7.0	4. CORRECTED FOR T _{REF} according CEMEP
$M_{MAX} / M_N \ \diamond \ M_K / M_N$ (-)		2.85	2.85				2.3	
SLIP ... (%)		4.80	4.94				6.00	
WINDING - $\Delta \vartheta$ (K)		71.5 (30 s)	74.5 (30 s)	EN 60034-2 T _{ref} = 95°C			80	
ϑ_a (°C)		12	12					
FRAME - $\Delta \vartheta$ (K)		36	37.6					5. MEASURING at 75% P _n
TIME ... (min)		180						
BEARING_D - $\Delta \vartheta$ (K)		52	54.2					
RESISTANCE - warm		2.36100	2.38386	... U-V				6. GUARANTED
(Ω)		2.36100	2.38386	... U-W $R_{isol} = 0.2 \ G\Omega$				
		2.36100	2.38386	... V-W				
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
U ₀ (V)	I ₀ (A)	P ₀ (W)	cos φ_0 (-)	U _A (V)	I _A (A)	M _A (N.m.)	P _A (W)	cos φ_A (-)
380	3.85822	315	0.124	380	45.5	55.6	21360	0.713
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... 19/11/2008		PAGE... 1 / 6		SIGNATURE LAZ		