

Producer: <b>Siemens Standard Motors Ltd.</b>			
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... : <b>1LG0113-4AA</b>		SERIAL-No: <b>1622</b> spec.: 3	
4 kW	380 V	D	8.8 A
1435 /min	50 Hz		
S1	IP55	Isol. F	40 °C
IM B3		44 kg	
WINDING RESISTANCE - cold		$R_{f20} = 3.992393 \Omega$	
TERMINALS: U-V		U-W	V-W
$R_{isol} > 0.5 G\Omega$			
$\vartheta = 9.5 \text{ }^{\circ}\text{C}$	$R (\Omega) : 2.55200$	2.55200	2.55200
$M_N = 26.6 \text{ Nm}$	LOAD TEST		
	1.	2.	3.
			4.
			5.
			6.
$P_{in} \text{ (W)}$	4854	4842	
$P \text{ (W)}$	4009	4000	4000
$U \text{ (V)}$	380		
$I \text{ (A)}$	8.9	8.9	8.9
$f \text{ (Hz)}$	50	50	50
SPEED (1/min)	1439	1439	1439
Torque (Nm)	26.6		
$\eta \text{ (%)}$	82.60	82.62	82.6
$\cos \varphi \text{ (-)}$	0.828	0.828	
$M_{ST} / M_N \diamond M_A / M_N \text{ (-)}$	2.8	2.8	
$I_{ST} / I_N \diamond I_A / I_N \text{ (-)}$	6.8	6.8	
$M_{MAX} / M_N \diamond M_K / M_N \text{ (-)}$	2.97	2.97	
SLIP ... (%)	4.07	4.06	
WINDING - $\Delta \vartheta \text{ (K)}$	80.3	79.9	EN 60034-2
	(30 s)	(30 s)	Tref = 95°C
$\vartheta_a \text{ (}^{\circ}\text{C)}$	12.5	12.5	
FRAME - $\Delta \vartheta \text{ (K)}$	39.5	39.3	
TIME ... (min)	180		
BEARING_D - $\Delta \vartheta \text{ (K)}$	47.5	47.3	
RESISTANCE - warm	3.42100	3.41716	... U-V
( $\Omega$ )	3.42100	3.41716	... U-W
	3.42100	3.41716	... V-W
NO-LOAD TEST		LOCKED ROTOR TEST	
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR
$U_o \text{ (V)}$	$I_o \text{ (A)}$	$P_o \text{ (W)}$	$\cos \varphi_o \text{ (-)}$
380	4.80597	353	0.112
VOLTAGE	CURRENT	TORQUE	POWER INPUT
$U_A \text{ (V)}$	$I_A \text{ (A)}$	$M_A \text{ (N.m.)}$	$P_A \text{ (W)}$
380	59.8	75.0	26350
COIL TEST		HIGH POTENCIAL TEST	
HIGH-SPEED 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... 18/11/2008	PAGE... 1 / 6	SIGNATURE LAZ