

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... : 1LG0083-2AA		SERIAL-No: 531		spec.: 3				
1.1 kW	380 V	Y	2.57 A	2840 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	15.5 kg			
WINDING RESISTANCE - cold				$R_{f20} = 3.213621 \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\theta = 11.5 \text{ °C}$	$R (\Omega) :$	6.21300	6.21300	6.21300				
$M_N = 3.7 \text{ Nm}$	LOAD TEST							
	1.	2.	3.	4.	5.			
P_{in} (W)	1399	1305						
P (W)	1174	1100	1100		1100			
U (V)	380				380			
I (A)	2.5	2.3	2.3		2.57			
f (Hz)	50	50	50		50			
SPEED (1/min)	2823	2834	2834		2840			
Torque (Nm)	4.0							
η (%)	83.91	84.30	84.0		75			
cos ϕ (-)	0.850	0.846			0.84			
M_{ST} / M_N ♦ M_A / M_N (-)	2.2	2.2			2.2			
I_{ST} / I_N ♦ I_A / I_N (-)	6.1	6.1			7.0			
M_{MAX} / M_N ♦ M_K / M_N (-)	2.70	2.70			2.3			
SLIP ... (%)	5.90	5.53			5.33			
WINDING - $\Delta \theta$ (K)	73.1 (30 s)	66.4 (30 s)	EN 60034-2 Tref = 95°C		80			
θ_a (°C)	9	9						
FRAME - $\Delta \theta$ (K)	53	48.1						
TIME ... (min)	240							
BEARING_D - $\Delta \theta$ (K)	50	45.4						
RESISTANCE - warm	7.99300	7.82275	... U-V					
(Ω)	7.99300	7.82275	... U-W					
	7.99300	7.82275	... V-W					
			$R_{isol} = 0.2 G\Omega$					
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	0.67193	74	0.167	380	15.8	8.3	8173	0.787
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... 17/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		