

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... : 1LG0106-2AA		SERIAL-No: 8561		spec.: 3				
3 kW	380 V	Y	6.31 A	2860 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	33 kg			
WINDING RESISTANCE - cold				$R_{f20} = 1.043320 \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 16.5 \text{ °C}$	$R (\Omega) :$	2.05800	2.05800	2.05800				
$M_N = 10.0 \text{ Nm}$	LOAD TEST							
	1.	2.	3.	4.	5.			
$P_{in} (W)$	3805	3526						
$P (W)$	3227	3000	3000		3000			
$U (V)$	380				380			
$I (A)$	6.5	6.1	6.1		6.31			
$f (Hz)$	50	50	50		50			
SPEED (1/min)	2846	2857	2857		2860			
Torque (Nm)	10.8							
$\eta (\%)$	84.80	85.07	84.9		81.5			
$\cos \varphi (-)$	0.884	0.881			0.87			
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.6	2.6			2.2			
$I_{ST} / I_N \diamond I_A / I_N (-)$	7.7	7.7			7.5			
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.99	2.99			2.3			
SLIP ... (%)	5.13	4.77			4.67			
WINDING - $\Delta \vartheta (K)$	66.5 (30 s)	59.7 (30 s)	EN 60034-2 Tref = 95°C		80			
$\vartheta_a (°C)$	20	20						
FRAME - $\Delta \vartheta (K)$	34	30.5						
TIME ... (min)	210							
BEARING_D - $\Delta \vartheta (K)$	32	28.7						
RESISTANCE - warm (Ω)	2.63100 2.63100 2.63100	2.57498 2.57498 2.57498	$R_{isol} = 0.2 G\Omega$					
NO-LOAD TEST			LOCKED ROTOR TEST					
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_o (V)$	$I_o (A)$	$P_o (W)$	$\cos \varphi_o (-)$	$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$	$\cos \varphi_A (-)$
380	2.55251	237	0.141	380	48.4	25.9	20808	0.653
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... 19/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		