

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... : 1LG0131-2AA		SERIAL-No: 30800		spec.: 3				
7.5 kW	380 V	D	14.9 A	2900 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	63 kg			
WINDING RESISTANCE - cold				$R_{f20} = 1.445515 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 4.5 \ ^\circ\text{C}$	$R (\ \Omega) :$	0.90510	0.90510	0.90510				
$M_N = 24.7 \ \text{Nm}$	LOAD TEST							
	1.	2.	3.	4.	5.			
$P_{in} \ (W)$	8890	8652						
$P \ (W)$	7695	7500	7500		7500			
$U \ (V)$	380				380			
$I \ (A)$	15.2	14.8	14.8		14.9			
$f \ (Hz)$	50	50	50		50			
SPEED $(1/min)$	2878	2881	2881		2900			
Torque (Nm)	25.5							
$\eta \ (\%)$	86.55	86.68	86.5		86			
$\cos \varphi \ (-)$	0.889	0.887			0.88			
$M_{ST} / M_N \ \diamond \ M_A / M_N \ (-)$	2.4	2.4			2.2			
$I_{ST} / I_N \ \diamond \ I_A / I_N \ (-)$	7.8	7.8			7.5			
$M_{MAX} / M_N \ \diamond \ M_K / M_N \ (-)$	3.00	3.00			2.3			
SLIP ... $(\%)$	4.07	3.96			3.33			
WINDING - $\Delta \vartheta \ (K)$	81.2 (30 s)	78.1 (30 s)	EN 60034-2 Tref = 95°C		80			
$\vartheta_a \ (^\circ\text{C})$	4	4						
FRAME - $\Delta \vartheta \ (K)$	52	50.0						
TIME ... (min)	180							
BEARING_D - $\Delta \vartheta \ (K)$	43	41.4						
RESISTANCE - warm $(\ \Omega)$	1.21000 1.21000 1.21000	1.19845 1.19845 1.19845	$R_{isol} = 0.2 \ G\Omega$					
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	4.87161	439	0.137	380	115.7	59.1	42686	0.560
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... 3/2/2009		PAGE... 1 / 6		SIGNATURE LAZ		