

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... : 1LG0130-4AA		SERIAL-No: 26070		spec.: 3				
5.5 kW	380 V	D	11.8 A	1440 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	61 kg			
WINDING RESISTANCE - cold					$R_{f20} = 2.468650 \ \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 9.5 \ ^\circ\text{C}$	$R (\ \Omega) :$	1.57800	1.57800	1.57800				
$M_N = 36.5 \ \text{Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} \ (W)$	6500	6470					2. CORRECTED for P _n	
$P \ (W)$	5523	5500	5500			5500		
$U \ (V)$	380					380		
$I \ (A)$	12.0	12.0	12.0			11.8		
$f \ (Hz)$	50	50	50			50		
SPEED (1/min)	1450	1450	1450			1440	3. CORRECTED FOR T _{REF} according EN 60034-2	
Torque (Nm)	36.4							
$\eta \ (\%)$	84.98	85.00	84.7			84.7		
$\cos \varphi \ (-)$	0.820	0.820				0.83		
$M_{ST} / M_N \ \blacklozenge \ M_A / M_N \ (-)$	2.0	2.0				2.3		
$I_{ST} / I_N \ \blacklozenge \ I_A / I_N \ (-)$	7.3	7.3				7.0	4. CORRECTED FOR T _{REF} according CEMEP	
$M_{MAX} / M_N \ \blacklozenge \ M_K / M_N \ (-)$	2.60	2.60				2.3		
SLIP ... (%)	3.33	3.32				4.00		
WINDING - $\Delta \vartheta \ (K)$	61.9 (30 s)	61.4 (30 s)	EN 60034-2 T _{ref} = 95°C			80		
$\vartheta_a \ (^\circ\text{C})$	15	15						
FRAME - $\Delta \vartheta \ (K)$	40	39.7					5. MEASURING at 75% P _n	
TIME ... (min)	180							
BEARING_D - $\Delta \vartheta \ (K)$	35	34.7						
RESISTANCE - warm	2.01300	2.00961	... U-V				6. GUARANTED	
$(\ \Omega)$	2.01300	2.00961	... U-W $R_{isol} = 0.2 \ G\Omega$					
	2.01300	2.00961	... V-W					
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	5.46411	402	0.112	380	85.9	72.4	33555	0.593
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... 18/11/2008		PAGE... 1 / 6		SIGNATURE LAZ		