

Producer: <b>Siemens Standard Motors Ltd.</b>								
Address : No. 110, West Street Qingshan Town Yizheng City Jiangsu Province 211417, P.R.China								
<b>TYPE TEST CERTIFICATE OF INDUCTION MOTOR</b>								
TEST No...Probe Nr. :								
TYPE... : <b>1LG0130-2AA</b>		SERIAL-No: <b>4630</b>		spec.: 3				
5.5 kW	380 V	D	11 A	2900 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	61.5 kg			
WINDING RESISTANCE - cold					$R_{f20} = 2.134444 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 8 \text{ }^{\circ}\text{C}$	$R (\Omega) :$	1.35600	1.35600	1.35600				
$M_N = 18.1 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} \text{ (W)}$	6899	6406					2. CORRECTED for P <sub>n</sub>	
$P \text{ (W)}$	5906	5500	5500			5500		
$U \text{ (V)}$	380					380		
$I \text{ (A)}$	11.8	11.0	11.0			11		
$f \text{ (Hz)}$	50	50	50			50		
SPEED (1/min)	2900	2907	2907			2900	3. CORRECTED FOR T <sub>REF</sub> according EN 60034-2	
Torque (Nm)	19.4							
$\eta \text{ (%)}$	85.60	85.85	85.6			84.7		
$\cos \varphi \text{ (-)}$	0.891	0.889				0.88		
$M_{ST} / M_N \text{ } \blacklozenge \text{ } M_A / M_N \text{ (-)}$	2.2	2.2				2.2		
$I_{ST} / I_N \text{ } \blacklozenge \text{ } I_A / I_N \text{ (-)}$	8.6	8.6				7.5	4. CORRECTED FOR T <sub>REF</sub> according CEMEP	
$M_{MAX} / M_N \text{ } \blacklozenge \text{ } M_K / M_N \text{ (-)}$	2.48	2.48				2.3		
SLIP ... (%)	3.33	3.10				3.33		
WINDING - $\Delta \vartheta \text{ (K)}$	75.0 (30 s)	67.4 (30 s)	EN 60034-2 T <sub>ref</sub> = 95°C			80		
$\vartheta_a \text{ (}^{\circ}\text{C)}$	9	9						
FRAME - $\Delta \vartheta \text{ (K)}$	32	28.8					5. MEASURING at 75% P <sub>n</sub>	
TIME ... (min)	240							
BEARING_D - $\Delta \vartheta \text{ (K)}$	40	36.0						
RESISTANCE - warm	1.78000	1.73788	... U-V				6. GUARANTED	
$(\Omega)$	1.78000	1.73788	... U-W $R_{isol} = 0.2 G\Omega$					
	1.78000	1.73788	... V-W					
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_o \text{ (V)}$	$I_o \text{ (A)}$	$P_o \text{ (W)}$	$\cos \varphi_o \text{ (-)}$	$U_A \text{ (V)}$	$I_A \text{ (A)}$	$M_A \text{ (N.m.)}$	$P_A \text{ (W)}$	$\cos \varphi_A \text{ (-)}$
380	3.90641	417	0.162	380	95.1	40.6	34859	0.557
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... 23/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		