

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... : 1LG0163-6AA		SERIAL-No: 18712		spec.: 3				
7.5 kW	380 V	D	17.2 A	970 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	104 kg			
WINDING RESISTANCE - cold				$R_{f20} = 1.272884 \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 6 \text{ °C}$	$R (\Omega) :$	0.80200	0.80200	0.80200				
$M_N = 73.8 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	8854	8739					2. CORRECTED for P _n	
$P (W)$	7594	7500	7500			7500		
$U (V)$	380					380		
$I (A)$	17.4	17.2	17.2			17.2		
$f (Hz)$	50	50	50			50		
SPEED (1/min)	966	966	966			970	3. CORRECTED FOR T _{REF} according EN 60034-2	
Torque (Nm)	75.1							
$\eta (\%)$	85.77	85.82	85.6			84.7		
$\cos \varphi (-)$	0.774	0.773				0.77		
$M_{ST} / M_N \diamond M_A / M_N (-)$	1.7	1.7				2.0		
$I_{ST} / I_N \diamond I_A / I_N (-)$	6.6	6.6				6.5	4. CORRECTED FOR T _{REF} according CEMEP	
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.15	2.15				2.1		
SLIP ... (%)	3.40	3.36				3.00		
WINDING - $\Delta \vartheta (K)$	68.3 (30 s)	67.1 (30 s)	EN 60034-2 T _{ref} = 95°C			80		
$\vartheta_a (°C)$	9.8	9.8						
FRAME - $\Delta \vartheta (K)$	24.2	23.8					5. MEASURING at 75% P _n	
TIME ... (min)	210							
BEARING_D - $\Delta \vartheta (K)$	41.2	40.4						
RESISTANCE - warm	1.04200	1.03780	... U-V				6. GUARANTED	
(Ω)	1.04200	1.03780	... U-W $R_{isol} = 0.2 G\Omega$					
	1.04200	1.03780	... 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	9.44395	614	0.099	380	112.7	126.8	38246	0.516
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... 5/2/2009		PAGE... 1 / 6		SIGNATURE LAZ		