

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... : 1LG0283-6AB		SERIAL-No: 11019		spec.: 3				
55 kW	380 V	D	105 A	980 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	550 kg			
WINDING RESISTANCE - cold				$R_{f20} = 0.119358 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 19 \ ^\circ\text{C}$	$R (\ \Omega) :$	0.07926	0.07926	0.07926				
$M_N = 536.0 \ \text{Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} \ (W)$	63970	59510					2. CORRECTED for Pn	
$P \ (W)$	59018	55000	55000			55000		
$U \ (V)$	380					380		
$I \ (A)$	109.0	101.6	101.6			105		
$f \ (Hz)$	50	50	50			50		
SPEED $(1/min)$	982	983	983			980	3. CORRECTED FOR T_{REF} according EN 60034-2	
Torque (Nm)	574.0							
$\eta \ (\%)$	92.26	92.42	92.4			91.9		
$\cos \varphi \ (-)$	0.892	0.890				0.86		
$M_{ST} / M_N \ \blacklozenge \ M_A / M_N \ (-)$	2.2	2.2				2.1		
$I_{ST} / I_N \ \blacklozenge \ I_A / I_N \ (-)$	7.4	7.4				7.0	4. CORRECTED FOR T_{REF} according CEMEP	
$M_{MAX} / M_N \ \blacklozenge \ M_K / M_N \ (-)$	2.71	2.71				2.0		
SLIP ... $(\%)$	1.80	1.68				2.00		
WINDING - $\Delta \vartheta \ (K)$	70.1 (90 s)	63.1 (90 s)	EN 60034-2 $T_{ref} = 95^\circ\text{C}$			80		
$\vartheta_a \ (^\circ\text{C})$	25	25						
FRAME - $\Delta \vartheta \ (K)$	43	38.7					5. MEASURING at 75% Pn	
TIME ... (min)	270							
BEARING_D - $\Delta \vartheta \ (K)$	51	45.9						
RESISTANCE - warm $(\ \Omega)$	0.10300 0.10300 0.10300	0.10082 0.10082 0.10082	$R_{isol} = 0.2 \ G\Omega$				6. GUARANTED	
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	33.9095	1873	0.084	380	776.8	1159.8	227538	0.445
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... 5/5/2009		PAGE... 1 / 6		SIGNATURE LAZ		