

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... : 1LG0317-4AB		SERIAL-No: 10364		spec.: 3				
200 kW	380 V	D	358 A	1480 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	1200 kg			
WINDING RESISTANCE - cold					$R_{f20} = 0.014687 \ \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 21 \ ^\circ\text{C}$	$R (\ \Omega) :$	0.00983	0.00983	0.00983				
$M_N = 1290.5 \ \text{Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} \ (W)$	214600	211963					2. CORRECTED for Pn	
$P \ (W)$	202493	200000	200000			200000		
$U \ (V)$	380					380		
$I \ (A)$	365.4	360.9	360.9			358		
$f \ (Hz)$	50	50	50			50		
SPEED $(1/min)$	1483	1483	1483			1480	3. CORRECTED FOR T_{REF} according EN 60034-2	
Torque (Nm)	1304.0							
$\eta \ (\%)$	94.36	94.36	94.4			94		
$\cos \varphi \ (-)$	0.892	0.892				0.89		
$M_{ST} / M_N \ \diamond \ M_A / M_N \ (-)$	2.1	2.1				2.1		
$I_{ST} / I_N \ \diamond \ I_A / I_N \ (-)$	6.6	6.6				6.9	4. CORRECTED FOR T_{REF} according CEMEP	
$M_{MAX} / M_N \ \diamond \ M_K / M_N \ (-)$	2.17	2.17				2.2		
SLIP ... $(\%)$	1.13	1.12				1.33		
WINDING - $\Delta \vartheta \ (K)$	77.3 (90 s)	75.9 (90 s)	EN 60034-2 $T_{ref} = 95^\circ\text{C}$			80		
$\vartheta_a \ (^\circ\text{C})$	21	21						
FRAME - $\Delta \vartheta \ (K)$	42	41.2					5. MEASURING at 75% Pn	
TIME ... (min)	270							
BEARING_D - $\Delta \vartheta \ (K)$	40	39.3						
RESISTANCE - warm $(\ \Omega)$	0.01280	0.01275	... U-V	$R_{isol} = 0.2 \ G\Omega$			6. GUARANTED	
	0.01280	0.01275	... U-W					
	0.01280	0.01275	... 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	98.1041	6296	0.098	380	2366.0	2729.1	565712	0.363
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... 14/5/2009		PAGE... 1 / 6		SIGNATURE LAZ		