

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>1LG0133-6AA</b>		SERIAL-No: <b>18337</b>		spec.: 3				
4 kW	380 V	D	9.8 A	960 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	63.5 kg			
WINDING RESISTANCE - cold				$R_{f20} = 3.626038 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 13 \ ^\circ\text{C}$	$R (\ \Omega ) :$	2.35100	2.35100	2.35100				
$M_N = 39.8 \ \text{Nm}$	LOAD TEST							
	1.	2.	3.	4.	5.			
$P_{in} \ (W)$	4981	4789						
$P \ (W)$	4146	4000	4000		4000			
$U \ (V)$	380				380			
$I \ (A)$	9.8	9.5	9.5		9.8			
$f \ (Hz)$	50	50	50		50			
SPEED $(1/min)$	964	965	965		960			
Torque $(Nm)$	41.1							
$\eta \ (\%)$	83.23	83.52	83.2		81.4			
$\cos \varphi \ (-)$	0.772	0.770			0.76			
$M_{ST} / M_N \ \diamond \ M_A / M_N \ (-)$	2.1	2.1			2.1			
$I_{ST} / I_N \ \diamond \ I_A / I_N \ (-)$	6.4	6.4			6.5			
$M_{MAX} / M_N \ \diamond \ M_K / M_N \ (-)$	2.76	2.76			2.1			
SLIP ... $(\%)$	3.60	3.47			4.00			
WINDING - $\Delta \vartheta \ (K)$	65.6 (30 s)	62.2 (30 s)	EN 60034-2 Tref = 95°C		80			
$\vartheta_a \ (^\circ\text{C})$	18	18						
FRAME - $\Delta \vartheta \ (K)$	37	35.1						
TIME ... $(min)$	180							
BEARING_D - $\Delta \vartheta \ (K)$	36	34.1						
RESISTANCE - warm $(\ \Omega)$	3.02000 3.02000 3.02000	2.98764 2.98764 2.98764	$R_{isol} = 0.2 \ G\Omega$					
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	5.91482	376	0.097	380	63.1	82.1	25833	0.622
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 ... <b>EN 60034</b>								
NOTE							order:	
A&D SD MF QM		DATE... 12/2/2009		PAGE... 1 / 6		SIGNATURE LAZ		