

Producer: <b>Siemens Standard Motors Ltd.</b>								
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... : <b>1LG0133-4AA</b>		SERIAL-No: <b>29459</b>		spec.: 3				
7.5 kW	380 V	D	15.6 A	1440 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	71.5 kg			
WINDING RESISTANCE - cold				$R_{f20} = 1.594610 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 9.5 \ ^\circ\text{C}$	$R (\ \Omega ) :$	1.01930	1.01930	1.01930				
$M_N = 49.7 \ \text{Nm}$	LOAD TEST							
	1.	2.	3.	4.	5.			
$P_{in} \ (W)$	8860	8574						
$P \ (W)$	7736	7500	7500		7500			
$U \ (V)$	380				380			
$I \ (A)$	15.8	15.3	15.3		15.6			
$f \ (Hz)$	50	50	50		50			
SPEED $(1/min)$	1450	1452	1452		1440			
Torque $(Nm)$	50.9							
$\eta \ (\%)$	87.31	87.48	87.1		86			
$\cos \varphi \ (-)$	0.852	0.850			0.84			
$M_{ST} / M_N \ \blacklozenge \ M_A / M_N \ (-)$	2.2	2.2			2.3			
$I_{ST} / I_N \ \blacklozenge \ I_A / I_N \ (-)$	8.2	8.2			7.0			
$M_{MAX} / M_N \ \blacklozenge \ M_K / M_N \ (-)$	2.57	2.57			2.3			
SLIP ... $(\%)$	3.33	3.23			4.00			
WINDING - $\Delta \vartheta \ (K)$	57.9 ( 30 s )	55.3 ( 30 s )	EN 60034-2 Tref = 95°C		80			
$\vartheta_a \ (^\circ\text{C})$	15	15						
FRAME - $\Delta \vartheta \ (K)$	55	52.5						
TIME ... $(min)$	180							
BEARING_D - $\Delta \vartheta \ (K)$	39	37.2						
RESISTANCE - warm $(\ \Omega )$	1.28380 1.28380 1.28380	1.27287 1.27287 1.27287	$R_{isol} = 0.2 \ G\Omega$					
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	6.86346	418	0.092	380	128.2	111.9	51006	0.605
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... 12/11/2008		PAGE... 1 / 6		SIGNATURE LAZ		