

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>1LG0096-6AA</b>	SERIAL-No: <b>12166</b>	spec.: <b>3</b>
<b>1.1 kW</b>	<b>380 V</b>	<b>Y</b>
<b>S1</b>	<b>IP55</b>	<b>Isol. F</b>
	<b>40 °C</b>	<b>IM B3</b>
		<b>50 Hz</b>
		<b>28 kg</b>

WINDING RESISTANCE - cold			$R_{f20} =$	<b>8.712229</b>	$\Omega$
TERMINALS:	U-V	U-W	V-W	$R_{isol} >$	<b>0.5</b>
$\vartheta =$	<b>0.5 °C</b>	$R (\Omega) :$	<b>5.36400</b>	<b>5.36400</b>	<b>5.36400</b>

$M_N =$ 11.5 Nm	LOAD TEST						1. MEASURING
	1.	2.	3.	4.	5.	6.	
$P_{in}$ ( W )	1520	1462					
$P$ ( W )	1141	1100	1100			1100	
$U$ ( V )	380					380	
$I$ ( A )	3.2	3.1	3.1			3.18	2. CORRECTED for Pn
$f$ ( Hz )	50	50	50			50	
SPEED (1/min)	917	920	920			910	
Torque ( Nm )	11.9						
$\eta$ ( % )	75.10	75.24	74.6			72.9	3. CORRECTED FOR $T_{REF}$ according EN 60034-2
$\cos \varphi$ ( - )	0.719	0.718				0.73	
$M_{ST} / M_N \diamond M_A / M_N$ ( - )	2.2	2.2				2.0	
$I_{ST} / I_N \diamond I_A / I_N$ ( - )	4.3	4.3				5.5	
$M_{MAX} / M_N \diamond M_K / M_N$ ( - )	2.43	2.43				2.1	
SLIP ... ( % )	8.30	8.00				9.00	
WINDING - $\Delta \vartheta$ ( K )	58.5 ( 30 s )	55.3 ( 30 s )	EN 60034-2 $T_{ref} = 95^{\circ}C$			80	
$\vartheta_a$ ( $^{\circ}C$ )	2.5	2.5					4. CORRECTED FOR $T_{REF}$ according CEMEP
FRAME - $\Delta \vartheta$ ( K )	44.7	42.3					
TIME ... ( min )	180						
BEARING_D - $\Delta \vartheta$ ( K )	39.5	37.4					5. MEASURING at 75% Pn
RESISTANCE - warm	6.74100	6.66928	$R_{isol} =$ 0.2 G $\Omega$				6. GUARANTED
( $\Omega$ )	6.74100	6.66928					
	6.74100	6.66928					
			... U-V				
			... U-W				
			... V-W				

NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_0$ ( V )	$I_0$ ( A )	$P_0$ ( W )	$\cos \varphi_0$ ( - )	$U_A$ ( V )	$I_A$ ( A )	$M_A$ ( N.m. )	$P_A$ ( W )	$\cos \varphi_A$ ( - )
<b>380</b>	<b>2.2947</b>	<b>213</b>	<b>0.141</b>	<b>380</b>	<b>13.8</b>	<b>25.8</b>	<b>6107</b>	<b>0.672</b>

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... 9/1/2009
PAGE... 1 / 6	SIGNATURE LAZ