

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... : 1LG0134-6AA			SERIAL-No: 18232		spec.: 3
5.5 kW	380 V	D	12.9 A	960 /min	50 Hz
S1	IP55	Isol. F	40 °C	IM B3	74.7 kg

WINDING RESISTANCE - cold					$R_{f20} =$ <b>2.240030</b> $\Omega$
TERMINALS: U-V U-W V-W					$R_{isol} >$ <b>0.5</b> $G\Omega$
$\vartheta =$ <b>15.5</b> °C	$R (\Omega) :$ <b>1.46700</b>	<b>1.46700</b>	<b>1.46700</b>		

$M_N =$ <b>54.7</b> Nm	LOAD TEST						1. MEASURING
	1.	2.	3.	4.	5.	6.	
$P_{in}$ ( W )	6450	<b>6468</b>					
$P$ ( W )	5486	<b>5500</b>	5500			<b>5500</b>	2. CORRECTED for P <sub>n</sub>
$U$ ( V )	380					<b>380</b>	
$I$ ( A )	12.7	<b>12.7</b>	12.7			<b>12.9</b>	
$f$ ( Hz )	50	<b>50</b>	50			<b>50</b>	3. CORRECTED FOR T <sub>REF</sub> according EN 60034-2
SPEED (1/min)	966	<b>966</b>	966			<b>960</b>	
Torque ( Nm )	54.2						
$\eta$ ( % )	85.05	85.03	84.9			<b>83.1</b>	4. CORRECTED FOR T <sub>REF</sub> according CEMEP
$\cos \varphi$ ( - )	0.773	0.773				<b>0.77</b>	
$M_{ST} / M_N \diamond M_A / M_N$ ( - )	2.5	<b>2.5</b>				<b>2.1</b>	
$I_{ST} / I_N \diamond I_A / I_N$ ( - )	7.1	<b>7.1</b>				<b>6.5</b>	5. MEASURING at 75% P <sub>n</sub>
$M_{MAX} / M_N \diamond M_K / M_N$ ( - )	2.82	<b>2.82</b>				<b>2.1</b>	
SLIP ... ( % )	3.40	<b>3.41</b>				<b>4.00</b>	
WINDING - $\Delta \vartheta$ ( K )	69.8 ( 30 s )	<b>70.2</b> ( 30 s )	EN 60034-2 T <sub>ref</sub> = 95°C			<b>80</b>	6. GUARANTED
$\vartheta_a$ ( °C )	15.5	15.5					
FRAME - $\Delta \vartheta$ ( K )	27.5	27.6					
TIME ... ( min )	210						6. GUARANTED
BEARING_D - $\Delta \vartheta$ ( K )	44.5	<b>44.7</b>					
RESISTANCE - warm ( $\Omega$ )	1.87600 1.87600 1.87600	1.87812 1.87812 1.87812	... U-V ... U-W ... V-W			$R_{isol} =$ <b>0.2</b> $G\Omega$	

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>7.20432</b>	<b>428</b>	<b>0.090</b>	<b>380</b>	<b>91.7</b>	<b>137.9</b>	<b>35290</b>	<b>0.585</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... 13/2/2009	PAGE... 1 / 6	SIGNATURE LAZ