

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>1LG0206-6AB</b>		SERIAL-No: <b>1046</b>		spec.: 3				
<b>18.5 kW</b>	<b>380 V</b>	<b>D</b>	<b>38.6 A</b>	<b>980 /min</b>	<b>50 Hz</b>			
<b>S1</b>	<b>IP55</b>	<b>Isol. F</b>	<b>40 °C</b>	<b>IM B3</b>	<b>222 kg</b>			
WINDING RESISTANCE - cold					$R_{f20} = 0.544509 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 7 ^\circ C$	$R (\Omega) :$	<b>0.34450</b>	<b>0.34450</b>	<b>0.34450</b>				
$M_N = 180.3 Nm$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	20280	<b>20864</b>					2. CORRECTED for Pn	
$P (W)$	18007	<b>18500</b>	18500			<b>18500</b>		
$U (V)$	380					<b>380</b>		
$I (A)$	38.3	<b>39.3</b>	39.3			<b>38.6</b>		
$f (Hz)$	50	<b>50</b>	50			<b>50</b>		
SPEED (1/min)	977.2	<b>977</b>	977			<b>980</b>	3. CORRECTED FOR $T_{REF}$ according EN 60034-2	
Torque (Nm)	176.0							
$\eta (\%)$	88.79	88.67	88.5			<b>88.6</b>		
$\cos \varphi (-)$	0.805	0.806				<b>0.81</b>		
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.1	<b>2.1</b>				<b>2.1</b>		
$I_{ST} / I_N \diamond I_A / I_N (-)$	6.8	<b>6.8</b>				<b>7.0</b>	4. CORRECTED FOR $T_{REF}$ according CEMEP	
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.55	<b>2.55</b>				<b>2.1</b>		
SLIP ... (%)	2.28	<b>2.34</b>				<b>2.00</b>		
WINDING - $\Delta \vartheta (K)$	69.5 (30 s)	<b>72.4</b> (30 s)	EN 60034-2 $T_{ref} = 95^\circ C$			<b>80</b>		
$\vartheta_a (^\circ C)$	11	11						
FRAME - $\Delta \vartheta (K)$	35	36.5					5. MEASURING at 75% Pn	
TIME ... (min)	240							
BEARING_D - $\Delta \vartheta (K)$	47	<b>48.9</b>						
RESISTANCE - warm	0.44920	0.45330	... U-V				6. GUARANTED	
( $\Omega$ )	0.44920	0.45330	... U-W $R_{isol} = 0.2 G\Omega$					
	0.44920	0.45330	... V-W					
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_o (V)$	$I_o (A)$	$P_o (W)$	$\cos \varphi_o (-)$	$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$	$\cos \varphi_A (-)$
<b>380</b>	<b>17.0446</b>	<b>949</b>	<b>0.085</b>	<b>380</b>	<b>263.4</b>	<b>378.9</b>	<b>87383</b>	<b>0.504</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 ... <b>EN 60034</b>								
NOTE							order:	
A&D SD MF QM		DATE... 9/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		