

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>1LG0080-2AA</b>		SERIAL-No: <b>29045</b>		spec.: 3				
<b>0.75 kW</b>	<b>380 V</b>	<b>Y</b>	<b>1.83 A</b>	<b>2845 /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>14.5 kg</b>			
WINDING RESISTANCE - cold					$R_{f20} = 4.553206 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 14.5 \text{ °C}$	$R (\Omega) :$	<b>8.91000</b>	<b>8.91000</b>	<b>8.91000</b>				
$M_N = 2.5 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	1042	<b>972</b>					2. CORRECTED for Pn	
$P (W)$	803	<b>750</b>	750			<b>750</b>		
$U (V)$	380					<b>380</b>		
$I (A)$	1.9	<b>1.8</b>	1.8			<b>1.83</b>		
$f (Hz)$	50	<b>50</b>	50			<b>50</b>		
SPEED (1/min)	2805	<b>2818</b>	2818			<b>2845</b>	3. CORRECTED FOR $T_{REF}$ according EN 60034-2	
Torque (Nm)	2.7							
$\eta (\%)$	77.09	77.16	76.8			<b>72.1</b>		
$\cos \varphi (-)$	0.833	0.833				<b>0.83</b>	4. CORRECTED FOR $T_{REF}$ according CEMEP	
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.4	<b>2.4</b>				<b>2.2</b>		
$I_{ST} / I_N \diamond I_A / I_N (-)$	6.2	<b>6.2</b>				<b>6.1</b>		
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.86	<b>2.86</b>				<b>2.3</b>		
SLIP ... (%)	6.50	<b>6.07</b>				<b>5.17</b>		
WINDING - $\Delta \vartheta (K)$	67.4 (30 s)	<b>60.8</b> (30 s)	EN 60034-2 $T_{ref} = 95 \text{ °C}$			<b>80</b>	5. MEASURING at 75% Pn	
$\vartheta_a (\text{ °C})$	9	9						
FRAME - $\Delta \vartheta (K)$	40	36.1						
TIME ... (min)	240						6. GUARANTED	
BEARING_D - $\Delta \vartheta (K)$	38	<b>34.3</b>						
RESISTANCE - warm	11.12000	10.88604	... U-V				$R_{isol} = 0.2 G\Omega$	
( $\Omega$ )	11.12000	10.88604	... U-W					
	11.12000	10.88604	... 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>1.11588</b>	<b>136</b>	<b>0.185</b>	<b>380</b>	<b>11.3</b>	<b>6.1</b>	<b>5909</b>	<b>0.794</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... 17/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		