

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>1LG0207-2AA</b>		SERIAL-No: <b>2031</b> spec.: 3	
<b>37 kW</b>	<b>380 V</b>	<b>D</b>	<b>67.9 A</b>
<b>S1</b>	<b>IP55</b>	<b>Isol. F</b>	<b>40 °C</b>
		<b>2950 /min</b>	<b>50 Hz</b>
		<b>IM B3</b>	<b>230 kg</b>
WINDING RESISTANCE - cold		$R_{f20} = 0.158259 \Omega$	
TERMINALS: U-V		U-W	V-W
$R_{isol} > 0.5 G\Omega$			
$\vartheta = 5\text{ °C}$	$R(\Omega) : 0.09930$	$0.09930$	$0.09930$
$M_N = 119.8\text{ Nm}$	LOAD TEST		
	1.	2.	3.
			4.
			5.
			6.
$P_{in} (W)$	41200	40464	
$P (W)$	37667	37000	37000
$U (V)$	380		380
$I (A)$	70.5	69.3	67.9
$f (Hz)$	50	50	50
SPEED (1/min)	2945	2946	2950
Torque (Nm)	122.1		
$\eta (\%)$	91.42	91.44	91.2
$\cos \varphi (-)$	0.888	0.888	0.9
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.4	2.4	2.0
$I_{ST} / I_N \diamond I_A / I_N (-)$	7.8	7.8	7.5
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.71	2.71	2.3
SLIP ... (%)	1.83	1.80	1.67
WINDING - $\Delta \vartheta (K)$	73.9	72.0	80
	(30 s)	(30 s)	Tref = 95°C
$\vartheta_a (°C)$	6	6	
FRAME - $\Delta \vartheta (K)$	52	50.6	
TIME ... (min)	210		
BEARING_D - $\Delta \vartheta (K)$	45	43.8	
RESISTANCE - warm	0.13030	0.12949	... U-V
( $\Omega$ )	0.13030	0.12949	... U-W
	0.13030	0.12949	... V-W
			$R_{isol} = 0.2 G\Omega$
NO-LOAD TEST		LOCKED ROTOR TEST	
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR
$U_o (V)$	$I_o (A)$	$P_o (W)$	$\cos \varphi_o (-)$
380	17.2882	1687	0.148
VOLTAGE	CURRENT	TORQUE	POWER INPUT
$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$
380	531.4	285.4	156647
			$\cos \varphi_A (-)$
			0.448
COIL TEST		HIGH-SPEED TEST	
130% $U_N$ - 3 min.		120% $n_{MAX}$ - 2 min.	
HIGH POTENCIAL TEST		2500 V - 1 min.	
TESTS CONFORM to the ... EN 60034			
NOTE			order:
A&D SD MF QM	DATE... 3/5/2009	PAGE... 1 / 6	SIGNATURE LAZ