

Producer: Siemens Standard Motors Ltd.			
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... : 1LG0313-4AB		SERIAL-No: 18318 spec.: 3	
132 kW	380 V	D	240 A
S1	IP55	Isol. F	40 °C
		1480 /min	50 Hz
		IM B3	1060 kg
WINDING RESISTANCE - cold		$R_{f20} = 0.023906 \Omega$	
TERMINALS: U-V		U-W	V-W
$\vartheta = 21 \text{ °C}$		$R (\Omega) : 0.01600$	0.01600
		0.01600	0.01600
$M_N = 851.8 \text{ Nm}$		LOAD TEST	
	1.	2.	3.
			4.
			5.
			6.
$P_{in} (W)$	141500	139987	
$P (W)$	133428	132000	132000
$U (V)$	380		380
$I (A)$	242.6	240.0	240
$f (Hz)$	50	50	50
SPEED (1/min)	1483	1483	1480
Torque (Nm)	859.2		
$\eta (\%)$	94.30	94.29	93.5
$\cos \varphi (-)$	0.886	0.886	0.88
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.1	2.1	2.1
$I_{ST} / I_N \diamond I_A / I_N (-)$	6.4	6.4	6.9
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.41	2.41	2.2
SLIP ... (%)	1.13	1.12	1.33
WINDING - $\Delta \vartheta (K)$	70.1 (90 s)	69.0 (90 s)	80
		EN 60034-2 Tref = 95°C	
$\vartheta_a (\text{°C})$	24.5	24.5	
FRAME - $\Delta \vartheta (K)$	33.5	33.0	
TIME ... (min)	270		
BEARING_D - $\Delta \vartheta (K)$	26.5	26.1	
RESISTANCE - warm	0.02060	0.02053	...
	0.02060	0.02053	...
	0.02060	0.02053	...
			$R_{isol} = 0.2 G \Omega$
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	68.3679	4132	0.092
VOLTAGE	CURRENT	TORQUE	POWER INPUT
$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$
380	1547.4	1813.7	370261
			$\cos \varphi_A (-)$
			0.364
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... 13/5/2009	PAGE... 1 / 6	SIGNATURE LAZ