

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... : 1LG0283-4AA		SERIAL-No: 15134 spec.: 3	
90 kW	380 V	D	167 A
S1	IP55	Isol. F	40 °C
		1480 /min	50 Hz
		IM B3	624 kg
WINDING RESISTANCE - cold			$R_{f20} = 0.049127 \Omega$
TERMINALS: U-V U-W V-W			$R_{isol} > 0.5 G\Omega$
$\vartheta = 21 \text{ °C}$	$R (\Omega) : 0.03288$	0.03288	0.03288
$M_N = 580.7 \text{ Nm}$	LOAD TEST		
	1.	2.	3.
			4.
			5.
			6.
$P_{in} (W)$	99340	96568	
$P (W)$	92557	90000	90000
$U (V)$	380		380
$I (A)$	170.8	166.1	167
$f (Hz)$	50	50	50
SPEED (1/min)	1477	1478	1480
Torque (Nm)	598.5		
$\eta (\%)$	93.17	93.20	93
$\cos \varphi (-)$	0.884	0.883	0.87
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.5	2.5	2.2
$I_{ST} / I_N \diamond I_A / I_N (-)$	7.3	7.3	7.2
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.62	2.62	2.3
SLIP ... (%)	1.53	1.49	1.33
WINDING - $\Delta \vartheta (K)$	77.7 (90 s)	74.6 (90 s)	EN 60034-2 Tref = 95°C 80
$\vartheta_a (°C)$	27.5	27.5	
FRAME - $\Delta \vartheta (K)$	34.5	33.1	
TIME ... (min)	240		
BEARING_D - $\Delta \vartheta (K)$	48.5	46.5	
RESISTANCE - warm (Ω)	0.04370	0.04329	... U-V ... U-W ... V-W
	0.04370	0.04329	$R_{isol} = 0.2 G\Omega$
	0.04370	0.04329	
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	49.9518	3067	0.093
VOLTAGE	CURRENT	TORQUE	POWER INPUT
$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$
380	1222.7	1441.2	356485
			$\cos \varphi_A (-)$
			0.443
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... 7/5/2009	PAGE... 1 / 6	SIGNATURE LAZ