

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... : 1LG0316-6AB		SERIAL-No: 23137		spec.: 3				
110 kW	380 V	D	206 A	985 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	1150 kg			
WINDING RESISTANCE - cold				$R_{f20} =$	0.036269 Ω			
TERMINALS:		U-V	U-W	V-W	$R_{isol} >$ 0.5 $G\Omega$			
$\vartheta =$	16 °C	$R (\Omega) :$	0.02380	0.02380	0.02380			
$M_N =$	1066.5 Nm	LOAD TEST						
	1.	2.	3.	4.	5.			
P_{in} (W)	117000	116385						
P (W)	110573	110000	110000		110000			
U (V)	380				380			
I (A)	201.9	200.9	200.9		206			
f (Hz)	50	50	50		50			
SPEED (1/min)	987	987	987		985			
Torque (Nm)	1069.9							
η (%)	94.51	94.51	94.5		93.3			
cos φ (-)	0.880	0.880			0.86			
M_{ST} / M_N ♦ M_A / M_N (-)	2.0	2.0			2.0			
I_{ST} / I_N ♦ I_A / I_N (-)	6.9	6.9			6.7			
M_{MAX} / M_N ♦ M_K / M_N (-)	2.44	2.44			2.0			
SLIP ... (%)	1.30	1.29			1.50			
WINDING - $\Delta \vartheta$ (K)	69.2 (90 s)	68.5 (90 s)	EN 60034-2 T _{ref} = 95°C		80			
ϑ_a (°C)	22	22						
FRAME - $\Delta \vartheta$ (K)	36.5	36.1						
TIME ... (min)	270							
BEARING_D - $\Delta \vartheta$ (K)	36	35.6						
RESISTANCE - warm (Ω)	0.03093	0.03086	... U-V					
	0.03093	0.03086	... U-W	$R_{isol} =$ 0.2 $G\Omega$				
	0.03093	0.03086	... V-W					
NO-LOAD TEST			LOCKED ROTOR TEST					
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
U ₀ (V)	I ₀ (A)	P ₀ (W)	cos φ_0 (-)	U _A (V)	I _A (A)	M _A (N.m.)	P _A (W)	cos φ_A (-)
380	56.8646	2628	0.070	380	1417.9	2145.3	341896	0.366
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 ... EN 60034								
NOTE							order:	
A&D SD MF QM		DATE... 23/4/2009		PAGE... 1 / 6		SIGNATURE LAZ		