

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... : 1LG0080-4AA	SERIAL-No: 12103	spec.: 3
0.55 kW	380 V	Y
S1	IP55	Isol. F
	40 °C	1390 /min
		50 Hz
		14 kg

WINDING RESISTANCE - cold			$R_{f20} =$	18.532532	Ω
TERMINALS:	U-V	U-W	V-W	$R_{isol} >$	0.5
$\vartheta =$	0 °C	$R (\Omega) :$	11.38600	11.38600	11.38600

M _N = 3.8 Nm	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
P _{in} (W)	730	763						
P (W)	526	550	550			550		
U (V)	380					380		
I (A)	1.6	1.6	1.6			1.57	2. CORRECTED for P _n	
f (Hz)	50	50	50			50		
SPEED (1/min)	1415	1411	1411			1390	3. CORRECTED FOR T _{REF} according EN 60034-2	
Torque (Nm)	3.5							
η (%)	72.00	72.05	71.4			71		
cos φ (-)	0.711	0.710				0.75		
M _{ST} / M _N ♦ M _A / M _N (-)	2.7	2.7				2.4		
I _{ST} / I _N ♦ I _A / I _N (-)	5.1	5.1				5.2		
M _{MAX} / M _N ♦ M _K / M _N (-)	2.65	2.65				2.3		
SLIP ... (%)	5.67	5.93				7.33		
WINDING - Δθ (K)	51.3 (30 s)	54.9 (30 s)	EN 60034-2 T _{ref} = 95°C			80	4. CORRECTED FOR T _{REF} according CEMEP	
θ _a (°C)	4	4						
FRAME - Δθ (K)	38	40.7						
TIME ... (min)	180						5. MEASURING at 75% P _n	
BEARING_D - Δθ (K)	33	35.3						
RESISTANCE - warm	14.06500	14.24100	R _{isol} = 0.2 G Ω					6. GUARANTED
(Ω)	14.06500	14.24100					... U-W	
	14.06500	14.24100					... 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)	$\cos \varphi_0$ (-)	U_A (V)	I_A (A)	M_A (N.m.)	P_A (W)	$\cos \varphi_A$ (-)
380	1.18216	146	0.188	380	8.0	10.3	3840	0.729

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... 14/1/2009
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