

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... : 1LG0130-6AA			SERIAL-No: 15271		spec.: 3	
3 kW	380 V	Y	7.4 A	960 /min	50 Hz	
S1	IP55	Isol. F	40 °C	IM B3	56 kg	

WINDING RESISTANCE - cold					$R_{f20} =$ 2.578740 Ω
TERMINALS: U-V U-W V-W					$R_{isol} >$ 0.5 $G\Omega$
$\vartheta =$	9 °C	$R (\Omega) :$	1.64500	1.64500	1.64500

M _N = 29.8 Nm	LOAD TEST						1. MEASURING
	1.	2.	3.	4.	5.	6.	
P _{in} (W)	3845	3594					
P (W)	3206	3000	3000			3000	
U (V)	380					380	
I (A)	7.8	7.3	7.3			7.4	
f (Hz)	50	50	50			50	2. CORRECTED for P _n
SPEED (1/min)	964	966	966			960	
Torque (Nm)	31.8						
η (%)	83.37	83.48	83.4			79.7	3. CORRECTED FOR T _{REF} according EN 60034-2
cos φ (-)	0.748	0.747				0.76	
M _{ST} / M _N ♦ M _A / M _N (-)	1.9	1.9				2.1	
I _{ST} / I _N ♦ I _A / I _N (-)	6.4	6.4				6.5	
M _{MAX} / M _N ♦ M _K / M _N (-)	2.21	2.21				2.1	
SLIP ... (%)	3.60	3.37				4.00	
WINDING - Δθ (K)	79.9 (30 s)	72.4 (30 s)	EN 60034-2 T _{ref} = 95°C			80	4. CORRECTED FOR T _{REF} according CEMEP
θ _a (°C)	14.5	14.5					
FRAME - Δθ (K)	33.5	30.3					
TIME ... (min)	180						5. MEASURING at 75% P _n
BEARING_D - Δθ (K)	32.3	29.3					
RESISTANCE - warm (Ω)	2.22100 2.22100 2.22100	2.17027 2.17027 2.17027	... U-V ... U-W ... V-W R _{isol} = 0.2 GΩ				
							6. GUARANTED

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	5.13726	380	0.112	380	47.5	56.0	19170	0.613

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:
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