

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... : 1LG0090-6AA		SERIAL-No: 10867		spec.: 3				
0.75 kW	380 V	Y	2.29 A	910 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	21.5 kg			
WINDING RESISTANCE - cold					$R_{f20} = 15.546411 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 2.5 \text{ °C}$	$R (\Omega) :$	9.65300	9.65300	9.65300				
$M_N = 7.9 \text{ Nm}$	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in} (W)$	1110	1037					2. CORRECTED for Pn	
$P (W)$	800	750	750			750		
$U (V)$	380					380		
$I (A)$	2.3	2.2	2.2			2.29		
$f (Hz)$	50	50	50			50		
SPEED (1/min)	912	917	917			910	3. CORRECTED FOR T_{REF} according EN 60034-2	
Torque (Nm)	8.4							
$\eta (\%)$	72.06	72.33	71.5			70	4. CORRECTED FOR T_{REF} according CEMEP	
$\cos \varphi (-)$	0.733	0.731				0.72		
$M_{ST} / M_N \diamond M_A / M_N (-)$	2.4	2.4				2.0		
$I_{ST} / I_N \diamond I_A / I_N (-)$	3.8	3.8				5.5		
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.67	2.67				2.1		
SLIP ... (%)	8.80	8.25				9.00	5. MEASURING at 75% Pn	
WINDING - $\Delta \vartheta (K)$	56.1 (30 s)	51.0 (30 s)	EN 60034-2 $T_{ref} = 95 \text{ °C}$			80		
$\vartheta_a (\text{°C})$	3.5	3.5						
FRAME - $\Delta \vartheta (K)$	42.3	38.4						
TIME ... (min)	180							
BEARING_D - $\Delta \vartheta (K)$	35.5	32.2					6. GUARANTED	
RESISTANCE - warm	11.97500	11.76599	... U-V					
(Ω)	11.97500	11.76599	... U-W	$R_{isol} = 0.2 G\Omega$				
	11.97500	11.76599	... V-W					
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
$U_o (V)$	$I_o (A)$	$P_o (W)$	$\cos \varphi_o (-)$	$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$	$\cos \varphi_A (-)$
380	1.65326	179	0.165	380	8.7	19.2	3948	0.687
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... 9/1/2009		PAGE... 1 / 6		SIGNATURE LAZ		