

Producer: <b>Siemens Standard Motors Ltd.</b>								
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... : <b>1LG0223-6AB</b>		SERIAL-No: <b>27289</b>		spec.: 3				
30 kW	380 V	D	59.2 A	980 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	290 kg			
WINDING RESISTANCE - cold				$R_{f20} = 0.236483 \ \Omega$				
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 \ G\Omega$			
$\vartheta = 11.5 \ ^\circ\text{C}$	$R (\ \Omega ) :$	0.15240	0.15240	0.15240				
$M_N = 292.3 \ \text{Nm}$	LOAD TEST					1. MEASURING		
	1.	2.	3.	4.	5.		6.	
$P_{in} \ (W)$	32740	32838					2. CORRECTED for Pn	
$P \ (W)$	29913	30000	30000			30000		
$U \ (V)$	380					380		
$I \ (A)$	61.1	61.3	61.3			59.2		
$f \ (Hz)$	50	50	50			50		
SPEED (1/min)	982	982	982			980	3. CORRECTED FOR $T_{REF}$ according EN 60034-2	
Torque (Nm)	290.9							
$\eta \ (\%)$	91.37	91.36	91.2			90.2		
$\cos \varphi \ (-)$	0.814	0.814				0.84		
$M_{ST} / M_N \ \blacklozenge \ M_A / M_N \ (-)$	1.8	1.8				2.0		
$I_{ST} / I_N \ \blacklozenge \ I_A / I_N \ (-)$	6.7	6.7				7.0	4. CORRECTED FOR $T_{REF}$ according CEMEP	
$M_{MAX} / M_N \ \blacklozenge \ M_K / M_N \ (-)$	2.33	2.33				2.1		
SLIP ... (%)	1.80	1.81				2.00		
WINDING - $\Delta \vartheta \ (K)$	62.9 (30 s)	63.3 (30 s)	EN 60034-2 $T_{ref} = 95^\circ\text{C}$			80		
$\vartheta_a \ (^\circ\text{C})$	11	11						
FRAME - $\Delta \vartheta \ (K)$	29	29.2					5. MEASURING at 75% Pn	
TIME ... (min)	240							
BEARING_D - $\Delta \vartheta \ (K)$	48	48.3					6. GUARANTEED	
RESISTANCE - warm	0.19100	0.19123	... U-V	$R_{isol} = 0.2 \ G\Omega$				
( $\Omega$ )	0.19100	0.19123	... U-W					
	0.19100	0.19123	... 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	24.8004	1216	0.074	380	395.6	538.0	109739	0.421
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... 11/3/2009		PAGE... 1 / 6		SIGNATURE LAZ		