

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>1LG0083-4AA</b>		SERIAL-No: <b>5627</b>		spec.: 3				
0.75 kW	380 V	Y	2.05 A	1380 /min	50 Hz			
S1	IP55	Isol. F	40 °C	IM B3	14.7 kg			
WINDING RESISTANCE - cold					$R_{f20} = 13.455660 \Omega$			
TERMINALS:		U-V	U-W	V-W	$R_{isol} > 0.5 G\Omega$			
$\vartheta = 3.5$ °C	R ( $\Omega$ ) :	8.39000	8.39000	8.39000				
$M_N = 5.2$ Nm	LOAD TEST						1. MEASURING	
	1.	2.	3.	4.	5.	6.		
$P_{in}$ ( W )	950	1013					2. CORRECTED for P <sub>n</sub>	
$P$ ( W )	704	750	750			750		
$U$ ( V )	380					380		
$I$ ( A )	2.0	2.1	2.1			2.05		
$f$ ( Hz )	50	50	50			50		
SPEED (1/min)	1405	1399	1399			1380	3. CORRECTED FOR T <sub>REF</sub> according EN 60034-2	
Torque ( Nm )	4.8							
$\eta$ ( % )	74.11	74.02	73.7			72.1	4. CORRECTED FOR T <sub>REF</sub> according CEMEP	
$\cos \varphi$ ( - )	0.722	0.723				0.76		
$M_{ST} / M_N \diamond M_A / M_N$ ( - )	2.4	2.4				2.3		
$I_{ST} / I_N \diamond I_A / I_N$ ( - )	5.0	5.0				6.0		
$M_{MAX} / M_N \diamond M_K / M_N$ ( - )	2.70	2.70				2.3		
SLIP ... ( % )	6.33	6.75				8.00	5. MEASURING at 75% P <sub>n</sub>	
WINDING - $\Delta \vartheta$ ( K )	61.8 ( 30 s )	68.0 ( 30 s )	EN 60034-2 T <sub>ref</sub> = 95°C			80		
$\vartheta_a$ ( °C )	6.5	6.5						
FRAME - $\Delta \vartheta$ ( K )	50.5	55.6						
TIME ... ( min )	180							
BEARING_D - $\Delta \vartheta$ ( K )	42.5	46.8					6. GUARANTED	
RESISTANCE - warm	10.67000	10.88773	... U-V					
( $\Omega$ )	10.67000	10.88773	... U-W	$R_{isol} = 0.2 G\Omega$				
	10.67000	10.88773	... V-W					
NO-LOAD TEST				LOCKED ROTOR TEST				
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR	VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
U <sub>0</sub> ( V )	I <sub>0</sub> ( A )	P <sub>0</sub> ( W )	cos $\varphi_0$ ( - )	U <sub>A</sub> ( V )	I <sub>A</sub> ( A )	M <sub>A</sub> ( N.m. )	P <sub>A</sub> ( W )	cos $\varphi_A$ ( - )
380	1.44658	162	0.170	380	10.3	12.3	4893	0.724
COIL TEST		HIGH-SPEED TEST		HIGH POTENCIAL TEST				
130% U <sub>N</sub> - 3 min.		120% n <sub>MAX</sub> - 2 min.		2500 V - 1 min.				
TESTS CONFORM to the ... EN 60034								
NOTE							order:	
A&D SD MF QM		DATE... 19/1/2009		PAGE... 1 / 6		SIGNATURE LAZ		