

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>1LG0186-6AA</b>		SERIAL-No: <b>1226</b> spec.: 3	
<b>15 kW</b>	<b>380 V</b>	<b>D</b>	<b>30.9 A</b>
<b>S1</b>	<b>IP55</b>	<b>Isol. F</b>	<b>40 °C</b>
		<b>970 /min</b>	<b>50 Hz</b>
		<b>IM B3</b>	<b>180 kg</b>
WINDING RESISTANCE - cold			$R_{f20} = 0.712171 \Omega$
TERMINALS: U-V U-W V-W			$R_{isol} > 0.5 G\Omega$
$\vartheta = 9 \text{ °C}$	$R (\Omega) : 0.45430$	$0.45430$	$0.45430$
$M_N = 147.7 \text{ Nm}$	LOAD TEST		
	1.	2.	3.
			4.
			5.
			6.
$P_{in} (W)$	17008	16959	
$P (W)$	15041	15000	15000
$U (V)$	380		380
$I (A)$	31.1	31.0	30.9
$f (Hz)$	50	50	50
SPEED (1/min)	973	973	970
Torque (Nm)	147.6		
$\eta (\%)$	88.44	88.45	87.7
$\cos \varphi (-)$	0.830	0.830	0.81
$M_{ST} / M_N \diamond M_A / M_N (-)$	1.8	1.8	2.0
$I_{ST} / I_N \diamond I_A / I_N (-)$	6.6	6.6	7.0
$M_{MAX} / M_N \diamond M_K / M_N (-)$	2.44	2.44	2.1
SLIP ... (%)	2.70	2.69	3.00
WINDING - $\Delta \vartheta (K)$	64.6 (30 s)	64.2 (30 s)	80
		EN 60034-2 Tref = 95°C	
$\vartheta_a (°C)$	12	12	
FRAME - $\Delta \vartheta (K)$	35.5	35.3	
TIME ... (min)	240		
BEARING_D - $\Delta \vartheta (K)$	41.2	41.0	
RESISTANCE - warm	0.58010	0.57944	...
	0.58010	0.57944	...
	0.58010	0.57944	...
			$R_{isol} = 0.2 G\Omega$
NO-LOAD TEST		LOCKED ROTOR TEST	
VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR
$U_o (V)$	$I_o (A)$	$P_o (W)$	$\cos \varphi_o (-)$
380	13.4277	770	0.087
VOLTAGE	CURRENT	TORQUE	POWER INPUT
$U_A (V)$	$I_A (A)$	$M_A (N.m.)$	$P_A (W)$
380	203.6	268.1	64782
			$\cos \varphi_A (-)$
			0.483
COIL TEST		HIGH-SPEED TEST	
130% $U_N$ - 3 min.		120% $n_{MAX}$ - 2 min.	
HIGH POTENCIAL TEST		2500 V - 1 min.	
TESTS CONFORM to the ... EN 60034			
NOTE			order:
A&D SD MF QM	DATE... 10/3/2009	PAGE... 1 / 6	SIGNATURE LAZ