

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... : 1LG0207-6AB			SERIAL-No: 1857		spec.: 3
22 kW	380 V	D	44.7 A	980 /min	50 Hz
S1	IP55	Isol. F	40 °C	IM B3	235 kg

WINDING RESISTANCE - cold					$R_{f20} =$ 0.392532 Ω
TERMINALS: U-V U-W V-W					$R_{isol} >$ 0.5 $G\Omega$
$\vartheta =$ 5.2 °C	$R (\Omega) :$ 0.24650	0.24650	0.24650		

$M_N =$ 214.4 Nm	LOAD TEST						1. MEASURING
	1.	2.	3.	4.	5.	6.	
P_{in} (W)	24092	24366					
P (W)	21762	22000	22000			22000	2. CORRECTED for Pn
U (V)	380					380	
I (A)	44.1	44.6	44.6			44.7	
f (Hz)	50	50	50			50	3. CORRECTED FOR T_{REF} according EN 60034-2
SPEED (1/min)	977	977	977			980	
Torque (Nm)	212.7						
η (%)	90.33	90.29	90.0			89.2	4. CORRECTED FOR T_{REF} according CEMEP
$\cos \varphi$ (-)	0.830	0.830				0.83	
$M_{ST} / M_N \diamond M_A / M_N$ (-)	2.0	2.0				2.1	
$I_{ST} / I_N \diamond I_A / I_N$ (-)	6.9	6.9				7.0	5. MEASURING at 75% Pn
$M_{MAX} / M_N \diamond M_K / M_N$ (-)	2.43	2.43				2.1	
SLIP ... (%)	2.30	2.33				2.00	
WINDING - $\Delta \vartheta$ (K)	63.7 (30 s)	64.7 (30 s)	EN 60034-2 $T_{ref} = 95^\circ C$			80	6. GUARANTEED
ϑ_a (°C)	7.5	7.5					
FRAME - $\Delta \vartheta$ (K)	33.5	34.1					
TIME ... (min)	240						6. GUARANTEED
BEARING_D - $\Delta \vartheta$ (K)	48.5	49.3					
RESISTANCE - warm (Ω)	0.31420 0.31420 0.31420	0.31527 0.31527 0.31527	... U-V ... U-W ... V-W			$R_{isol} =$ 0.2 $G\Omega$	

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	18.1752	925	0.077	380	307.8	436.3	95791	0.473

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... 6/3/2009	PAGE... 1 / 6	SIGNATURE LAZ