

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... : **1LG0317-6AB** SERIAL-No: **10154** spec.: 3
132 kW 380 V D 244 A 985 /min 50 Hz
S1 IP55 Isol. F 40 °C IM B3 1120 kg

WINDING RESISTANCE - cold $R_{f20} = 0.029625 \Omega$
TERMINALS: U-W U-W V-W $R_{isol} > 0.5 G\Omega$
 $\vartheta = 16^\circ C$ R (Ω): 0.01944 0.01944 0.01944

 $M_N = 1279.8 \text{ Nm}$

LOAD TEST

1. MEASURING

	1.	2.	3.	4.	5.	6.
P_{in} (W)	142400	139913				
P (W)	134315	132000	132000			132000

U (V)	380					380
I (A)	245.2	241.0	241.0			244

2. CORRECTED for Pn

f (Hz)	50	50	50			50
SPEED (1/min)	986	986	986			985
Torque (Nm)	1300.9					

3. CORRECTED FOR T_{REF}
according EN 60034-2

η (%)	94.32	94.34	94.4			93.5
$\cos \varphi$ (-)	0.882	0.882				0.87

$M_{ST} / M_N \diamond M_A / M_N$ (-)	2.2	2.2				2.0
$I_{ST} / I_N \diamond I_A / I_N$ (-)	7.2	7.2				6.7

$M_{MAX} / M_N \diamond M_K / M_N$ (-)	2.42	2.42				2.0
SLIP ... (%)	1.40	1.38				1.50

4. CORRECTED FOR T_{REF}
according CEMEP

WINDING - $\Delta \vartheta$ (K)	78.3 (90 s)	76.3 (90 s)	EN 60034-2 $T_{ref} = 95^\circ C$			80
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ϑ_a (°C)	21	21				
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FRAME - $\Delta \vartheta$ (K)	49	47.7				
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TIME ... (min)	270					
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5. MEASURING at 75% Pn

BEARING_D - $\Delta \vartheta$ (K)	44	42.9				
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RESISTANCE - warm	0.02589	0.02573	... U-V			
(Ω)	0.02589	0.02573	... U-W	$R_{isol} = 0.2 G\Omega$		
	0.02589	0.02573	... V-W			

6. GUARANTEED

NO-LOAD TEST

VOLTAGE	CURRENT	POWER INPUT	POWER FACTOR
U_0 (V)	I_0 (A)	P_0 (W)	$\cos \varphi_0$ (-)
380	65.5104	3278	0.076

LOCKED ROTOR TEST

VOLTAGE	CURRENT	TORQUE	POWER INPUT	POWER FACTOR
U_A (V)	I_A (A)	M_A (N.m.)	P_A (W)	$\cos \varphi_A$ (-)
380	1766.7	2812.2	435704	0.375

COIL TEST

130% U_N - 3 min.

HIGH-SPEED TEST

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

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