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Customer Technical Support Bulletin Boards (300-9600, 8-N-1)
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ST-3610N SCSI-2 Fast

…ÕÕÕÕÕÕÕÕÕÕª
∫ REAR VIEW ∫
»ÕÕÕÕÕÕÕÕÕÕº

50 pin I/O Cable Connection
≥
J1’ÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕ1∏ /ƒƒƒƒƒƒƒƒ\ TOP (HDA)
Õµ::::::::::::::::::::::::::ΔÕ≥ 0 0 0 0 ≥ÕÕ
‘ÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕæ ¿ƒ5ƒGƒGƒ12Ÿ BOTTOM
1ƒƒƒƒƒø 1ƒƒƒƒƒø 1ƒƒƒƒƒø
¿ƒƒƒƒƒŸ ¿ƒƒ¬ƒƒŸ ¿ƒƒƒƒƒŸ
¿Terminating ResistorsŸ

…ÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕª
∫ RIGHT SIDE VIEW ∫
»ÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕº

BACK ’Õ∏ J2 12345678 TOP (HDA) FRONT
OF J1ΔÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕPÕWÕAÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕ OF
DRIVE ‘Õæ :::::::: BOTTOM DRIVE
≥≥≥≥≥≥≥≥
≥Terminator Power Ÿ≥≥≥≥≥≥¿ Reserved
/¥Terminator Power ƒŸ≥≥≥≥¿ƒ Start Delay (12 secs * ID)
≥ Factory Use ƒƒŸ≥≥¿ƒƒ Motor Start
≥ Parity ƒƒƒŸ¿ƒƒƒ Write Protect
≥
≥
≥ /ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒø
¿ƒ¥ Termination Power-source Table ≥
√ƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒƒ¡ƒƒƒƒƒƒƒƒƒƒƒƒƒø
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∫ LEFT SIDE VIEW ∫
»ÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕº If these ID jumpers are used,
then ID jumpers shown in front

view ARE NOT USED.

FRONT TOP (HDA) J5 ’ÕÕ1∏ ’Õ∏BACK
OF ÕÕÕÕÕÕÕÕPÕWÕAÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕµ:::∆ÕµJ1 OF
DRIVE BOTTOM ‘ÕÕÕæ ‘ÕæDRIVE
≥≥≥
ID 4 ƒŸ≥¿ƒ ID 1
ID 2

…ÕÕÕÕÕÕÕÕÕÕÕÕª
∫ FRONT VIEW ∫
»ÕÕÕÕÕÕÕÕÕÕÕÕº

TOP (HDA) J6 ’ÕÕÕÕÕ1∏
ÕÕPÕWÕAÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕÕµ:::::∆Õ
* BOTTOM ‘ÕÕÕÕÕÕæ
≥ 123456
LED ƒŸ ≥≥≥≥≥≥
ID 4 Ÿ≥≥≥≥¿ Reserved
ID 2 ƒŸ≥≥¿ƒ Remote LED (pin-3 +5v)
ID 1 ƒƒŸ¿ƒƒ Spindle Synchronization
(pin-6 REF SIG+)
If these ID jumper are used, then
ID jumpers shown in left side
view ARE NOT USED.

ST-3610N

UNFORMATTED CAPACITY (MB) ________________635
FORMATTED CAPACITY (xx SECTORS) (MB) _____535
AVERAGE SECTORS PER TRACK ________________79 rounded down
ACTUATOR TYPE ____________________________ROTARY VOICE COIL
TRACKS ___________________________________13,104
CYLINDERS __PHYSICAL______________________1,872 (user)
HEADS ______PHYSICAL______________________7
DISCS (3.5 in) ___________________________4
MEDIA TYPE _______________________________THIN FILM
RECORDING METHOD _________________________ZBR RLL (1,7)
TRANSFER RATE INTERNAL (mbits/sec)________25 to 41
SPINDLE SPEED (RPM) ______________________5,411
AVERAGE LATENCY (mSEC) ___________________5.54
BUFFER ___________________________________256 KByte
Read Look-Ahead, Adaptive,
Multi-Segmented Cache
INTERFACE ________________________________SCSI-2 FAST
BYTES PER TRACK (unformatted) ____________48,460 average
SECTORS PER DRIVE ________________________1,046,205
TPI (TRACKS PER INCH) ____________________
AVERAGE ACCESS (ms) (read/write)__________10.5/11.2
Drive level without controller overhead
SINGLE TRACK SEEK (ms) ___________________2
MAX FULL SEEK (ms) _______________________24
MTBF (power-on hours) ____________________200,000
POWER REQUIREMENTS: +12V START-UP (amps) _1.5
+12V TYPICAL (amps) __0.4
+5V START-UP (amps) __
+5V TYPICAL (amps) ___0.6
TYPICAL (watts) ______6.5

MAXIMUM (watts) _____
WRITE PRECOMP (cyl) _____N/A
REDUCED WRITE CURRENT (cyl) _____N/A
LANDING ZONE (cyl) _____AUTO PARK
IBM AT DRIVE TYPE _____0 or NONE

Physical:

Height (inches/mm):	1.00/25.4
Width (inches/mm):	4.02/102.1
Depth (inches/mm):	5.77/146.6
Weight (lbs/kg):	1.5/0.68

Already low-level formatted at the factory with one spare sector per track and two spare cylinders/unit.

ZBR = Zone Bit Recording = Variable sectors per track

Seagate reserves the right to change, without notice, product offerings or specifications. (10/19/93)