MANUFACTURER	TECMATE	TECMATE	TOSHIBA	TOSHIBA	TOSHIBA
DRIVE	NPH-304	NPH-312	ND-0401 ND-04DT-A	ND-0801 ND-08DE-A	ND-3521 ND-352SH/TH-A
DISK/TREND GROUP	15	15	14	14	15
MARKET	OEM	OEM	Captive, OEM	Captive, OEM	Captive, OEM
MEDIA: Generic type	3.5" -- 2/80 HD	3.5" -- 2/80	5.25" -- 2/40	5.25" - 2/80 HD	3.5" -- 2/80
Nominal disk diameter	3.5"	3.5"	5.25"	5.25"	3.5"
Recording medium	High Density Oxide Coated	High Density Oxide Coated	Oxide Coated	High Density Oxide Coated	High Density Oxide Coated
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes)	U: 1.0/2.0	U: 1.0	U: .5	U: 1.0/1.6	U: .5/1.0
Capacity per track (Bytes)	U: 6,250/12,500	U: 6,250	U: 6,250	U: 6,250/10,416	U: 6,250
Data surfaces per spindle	2	2	2	2	2
Tracks per surface	80	80	40	80/77	80
Track density (TPI)	135	135	48	96	135
Maximum linear density (BPI)	8717/17434	8717	5876	5922/9646	8717
Rotational speed (RPM)	300	300	300	360	300
PERFORMANCE					
Actuator type	Lead Screw, Stepping Motor	Lead Screw, Stepping Motor	Lead Screw, Stepping Motor	Lead Screw, Stepping Motor	Lead Screw, Stepping Motor
POSITIONING:Track to track(msec)	6	3	6	3	3
Settling time (msec)	15	15	15	15	15
Head load time(msec)	Continuous Contact	Continuous Contact	Continous Contact	Continous Contact	Continuous Contact
Average rotational delay (msec)	100	100	100	100/83.3	100
Data transfer rate (KBytes/sec)	31.25/62.5	31.25	31.25	31.25/62.5	31.25
SIZE (Inches: H x W x D)	1.0 x 4.0 x 5.9	1.2 x 4.0 x 5.9	1.6 x 5.7 x 8.2	1.6 x 5.7 x 8.2	1.0 x 4.0 x 5.9
FIRST CUSTOMER SHIPMENT	3/88	11/87	1Q88	1Q88	1Q88
U.S. OEM PRICE FOR 500 UNITS	--	--	$55 (1000)	$70 (1000)	$60 (1000)
COMMENTS					

MANUFACTURER	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	Y-E DATA
DRIVE	ND-3551 ND-355S/T-A	ND-3561 ND-356S/T-A	PD-211	PD-401	YD-180
DISK/TREND GROUP	15	15	15	16	13
MARKET	Captive, OEM	Captive, OEM	OEM	OEM	OEM
MEDIA: Generic type	3.5" -- 2/80 HD	3.5" -- 2/80 HD	3.5" -- 2/80 BF	3.5" - 2/320 BF	8" -- 2/77
Nominal disk diameter	3.5"	3.5"	3.5"	3.5"	8"
Recording medium	High Density Oxide Coated	High Density Oxide Coated	Barium Ferrite	Barium Ferrite	Oxide Coated
CAPACITY/RECORDING DENSITY					
Total capacity (Mbytes)	U: 1.0/1.6	U: 1.0/2.0	U: 1.0/2.0/4.0	U: 16.0	U: .8/1.6
Capacity per track (Bytes)	U: 6,250/10,416	U: 12,500	U: 6,250/25,000	U:	U: 5,208/10,416
Data surfaces per spindle	2	2	2	2	2
Tracks per surface	80/77	80	80	320	77
Track density (TPI)	135	135	135	542	48
Maximum linear density (BPI)	8717/14184	8717/17434	8717/34768	35080	3408/6816
Rotational speed (RPM)	300/360	300	300	1500	360
PERFORMANCE					
Actuator type	Lead Screw, Stepping Motor	Lead Screw, Stepping Motor	Band, Stepping Motor	Linear, Voice Coil	Band, Stepping Motor
POSITIONING:Track to track(msec)	3	3	3		3
Settling time (msec)	15	15	15		15
Head load time(msec)	Continuous Contact	Continuous Contact	Continuous Contact		50
Average rotational delay (msec)	100/83.3	100	100	20	83.3
Data transfer rate (KBytes/sec)	31.25/62.5	31.25/62.5	31.25/62.5/125	625	31.25/62.5
SIZE (Inches: H x W x D)	1.0 x 4.0 x 5.9	1.0 x 4.0 x 6.3	1.625 x 4.0 x 5.6	1.26 x 4.0 x 5.9	2.25 x 8.55 x 12.6
FIRST CUSTOMER SHIPMENT	1Q88	1Q88	1988		9/81
U.S. OEM PRICE FOR 500 UNITS	--	$70 (1000)	$125 (1000)		--
COMMENTS				50 msec average head positioning Embedded Servo	