

| | | | | | |
|---------------------------------|----------------------------|-----------------------|----------------------------|--------------------------|----------------------------|
| MANUFACTURER | PRIAM | PRIAM | PRIAM | QUANTUM | QUANTUM |
| DRIVE | 806 | 807 | 808 | Q520 | Q2010 |
| DISK/TREND GROUP | 7 | 8 | 9 | 5 | 5 |
| MARKET | OEM | OEM | OEM | OEM | OEM |
| MEDIA: Generic type | Fixed | Fixed | Fixed | Fixed | Fixed |
| Nominal disk diameter | 200 mm OD | 200 mm OD | 200 mm OD | 130 mm OD | 200 mm OD |
| Recording medium | 63.5 mm ID Oxide Coated | 63.5 mm ID Plated | 63.5 mm ID Oxide Coated | 40 mm ID Oxide Coated | 63.5 mm ID Oxide Coated |
| DRIVE: Technology type | Modified 3350 | Modified 3350 | Modified 3350 | 3350 | 3350 |
| Heads | Ferrite | Ferrite | Ferrite | Ferrite | Ferrite |
| Interface | Priam,SMD,SCSI | Priam,SMD,SCSI | Priam, Mod. SMD | ST412 | SA1000 |
| CAPACITY/RECORDING DENSITY | | | | | |
| Total capacity (MBytes) FIXED | U: 188.5 | U: 344 | U: 516 | U: 21.33 | U: 10.66 |
| REMOVABLE | -- | -- | -- | -- | -- |
| Capacity per track (Bytes) | U: 20,160 | U: 20,160 | U: 30,240 | U: 10,416 | U: 10,400 |
| Data surfaces per spindle | 11 | 11 | 12 | 4 | 2 |
| Heads per data surface | 1 | 1 | 1 | 1 | 1 |
| Tracks per surface | 850 | 1552 | 1422 | 512 | 512 |
| Track density (TPI) | 960 | 1040 | 1040 | 591 | 345 |
| Maximum linear density (BPI) | 9167 | 12096 | 18144* | 9200 | 6600 |
| Rotational speed (RPM) | 3600 | 3600 | 3600 | 3529 | 3000 |
| PERFORMANCE | | | | | |
| Actuator type | Linear, Voice Coil | Linear, Voice Coil | Linear, Voice Coil | Rotary, Torque Motor | Rotary, Torque Motor |
| Average positioning time (msec) | 20 | 25 | 25 | 45 | 50 |
| Average rotational delay (msec) | 8.3 | 8.3 | 8.3 | 8.5 | 10 |
| Average access time (msec) | 28.3 | 33.3 | 33.3 | 53.5 | 60 |
| Data transfer rate (KBytes/sec) | 1210 | 1210 | 1810 | 625 | 543 |
| FIRST CUSTOMER SHIPMENT | 5/84 | 6/84 | 3Q84 | 4/83 | 1Q81 |
| U.S. OEM PRICE FOR 100 UNITS | \$3,280 | \$4,105 | \$4,630 | \$1,245 | \$1,350 |
| COMMENTS | | | *2,7 RLL Code | | |

| MANUFACTURER | QUANTUM | QUANTUM | QUANTUM | QUANTUM | QUANTUM |
|---------------------------------|----------------------------|--------------------------|--------------------------|----------------------------|----------------------------|
| DRIVE | Q2020 | Q530 | Q540 | Q2030 | Q2040 |
| DISK/TREND GROUP | 5 | 6 | 6 | 6 | 6 |
| MARKET | OEM | OEM | OEM | OEM | OEM |
| MEDIA: Generic type | Fixed | Fixed | Fixed | Fixed | Fixed |
| Nominal disk diameter | 200 mm OD | 130 mm OD | 130 mm OD | 200 mm OD | 200 mm OD |
| Recording medium | 63.5 mm ID Oxide Coated | 40 mm ID Oxide Coated | 40 mm ID Oxide Coated | 63.5 mm ID Oxide Coated | 63.5 mm ID Oxide Coated |
| DRIVE: Technology type | 3350 | 3350 | 3350 | 3350 | 3350 |
| Heads | Ferrite | Ferrite | Ferrite | Ferrite | Ferrite |
| Interface | SA1000 | ST412 | ST412 | SA1000 | SA1000 |
| CAPACITY/RECORDING DENSITY | | | | | |
| Total capacity (MBytes) FIXED | U: 21.33 | U: 31.99 | U: 42.66 | U: 32.0 | U: 42.66 |
| REMOVABLE | -- | -- | -- | -- | -- |
| Capacity per track (Bytes) | U: 10,400 | U: 10,416 | U: 10,416 | U: 10,400 | U: 10,400 |
| Data surfaces per spindle | 4 | 6 | 8 | 6 | 8 |
| Heads per data surface | 1 | 1 | 1 | 1 | 1 |
| Tracks per surface | 512 | 512 | 512 | 512 | 512 |
| Track density (TPI) | 345 | 591 | 591 | 345 | 345 |
| Maximum linear density (BPI) | 6600 | 9200 | 9200 | 6600 | 6600 |
| Rotational speed (RPM) | 3000 | 3529 | 3529 | 3000 | 3000 |
| PERFORMANCE | | | | | |
| Actuator type | Rotary, Torque Motor | Rotary, Torque Motor | Rotary, Torque Motor | Rotary, Torque Motor | Rotary, Torque Motor |
| Average positioning time (msec) | 55 | 45 | 45 | 60 | 65 |
| Average rotational delay (msec) | 10 | 8.5 | 8.5 | 10 | 10 |
| Average access time (msec) | 65 | 53.5 | 53.5 | 70 | 75 |
| Data transfer rate (KBytes/sec) | 543 | 625 | 625 | 543 | 543 |
| FIRST CUSTOMER SHIPMENT | 1Q81 | 4/83 | 4/83 | 1Q81 | 1Q81 |
| U.S. OEM PRICE FOR 100 UNITS | \$1,625 | \$1,365 | \$1,485 | \$1,950 | \$2,275 |
| COMMENTS | | | | | |

MANUFACTURER

DRIVE

DISK/TREND GROUP

MARKET

MEDIA: Generic type

Nominal disk diameter

Recording medium

DRIVE: Technology type

Heads

Interface

CAPACITY/RECORDING DENSITY

Total capacity (MBytes) FIXED

REMOVABLE

Capacity per track (Bytes)

Data surfaces per spindle

Heads per data surface

Tracks per surface

Track density (TPI)

Maximum linear density (BPI)

Rotational speed (RPM)

PERFORMANCE

Actuator type

Average positioning time (msec)

Average rotational delay (msec)

Average access time (msec)

Data transfer rate (KBytes/sec)

FIRST CUSTOMER SHIPMENT

U.S. OEM PRICE FOR 100 UNITS

COMMENTS

| | QUANTUM | QUANTUM | QUANTUM | RICOH | RODIME |
|--|---|--|--|--|---|
| | Q2080 | Q250 | Q280 | RH5130 | 201 |
| | 6 | 6 | 6 | 2 | 5 |
| | OEM | OEM | OEM | OEM | OEM |
| | Fixed | Fixed | Fixed | 5.25" Cartridge | Fixed |
| | 200 mm OD 63.5 mm ID Oxide Coated | 130 mm OD 40 mm ID Sputtered | 130 mm OD 40 mm ID Sputtered | 130 mm OD 40 mm ID Oxide Coated | 130 mm OD 40 mm ID Oxide Coated |
| | 3350 | 3370(Ferrite) | 3370(Ferrite) | Modified 3350 | Modified 3350 |
| | Ferrite | Ferrite | Ferrite | Ferrite | Ferrite |
| | SA1000 | SCSI | SCSI | ST412 | ST412 |
| | | | | | |
| | U: 85.45 | F: 53.4 | F: 80.1 | U: 12.75 | U: 6.67 |
| | -- | -- | -- | -- | -- |
| | U: 10,416 | F: 16,384 | F: 16,384 | U: 10,416 | U: 10,416 |
| | 7 | 4 | 6 | 2 | 2 |
| | 1 | 1 | 1 | 1 | 1 |
| | 1172 | 815 | 815 | 612 | 320 |
| | 789 | 876 | 876 | 612 | 356 |
| | 6600 | 20000 BPI* 15000 FCI | 20000 BPI* 15000 FCI | 10894 | 8720 |
| | 3000 | 3600 | 3600 | 3473 | 3600 |
| | Rotary, Torque Motor 40 | Rotary, Torque Motor 30 | Rotary, Torque Motor 30 | Rack & Pinion, Stepping Motor 98 (including settling) | Rotary, Band, Stepping Motor 90 (including settling) |
| | 10 | 8.3 | 8.3 | 8.6 | 8.3 |
| | 50 | 38.3 | 38.3 | 106.6 | 98.3 |
| | 543 | 1250 | 1250 | 625 | 625 |
| | 11/82 | 12/85 | 12/85 | 3Q85 | 6/82 |
| | \$2,800 | -- | \$995 (1000) | -- | -- |
| | | *1,7 RLL Code 1.625" High Embedded Servo | *1,7 RLL Code 1.625" High Embedded Servo | 1.625" High Embedded Servo DMA License | |