

MANUFACTURER	QUANTUM	QUANTUM	QUANTUM	QUANTUM	QUANTUM
DRIVE	Q520	Q2010	Q2020	Q250	Q280
DISK/TREND GROUP	3	3	3	4	4
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	Fixed
Nominal disk diameter	130 mm OD 40 mm ID	200 mm OD 63.5 mm ID	200 mm OD 63.5 mm ID	130 mm OD 40 mm ID	130 mm OD 40 mm ID
Recording medium	Oxide Coated	Oxide Coated	Oxide Coated	Thin Film	Thin Film
DRIVE: Technology type	3350	3350	3350	3370 (Ferrite)	3370 (Ferrite)
Heads	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Interface	ST412	SA1000	SA1000	SCSI	SCSI
CAPACITY/RECORDING DENSITY					
Total capacity (MBytes) FIXED	U: 21.33	U: 10.66	U: 21.33	F: 53.4	F: 80.1
REMOVABLE	--	--	--	--	--
Capacity per track (Bytes)	U: 10,416	U: 10,400	U: 10,400	F: 16,384	F: 16,384
Data surfaces per spindle	4	2	4	4	6
Heads per data surface	1	1	1	1	1
Tracks per surface	512	512	512	815	815
Track density (TPI)	591	345	345	876	876
Maximum linear density (BPI)	9200	6600	6600	20000 BPI* 15000 FCI	20000 BPI* 15000 FCI
Rotational speed (RPM)	3529	3000	3000	3600	3600
PERFORMANCE					
Actuator type	Rotary, Torque Motor 45	Rotary, Torque Motor 50	Rotary, Torque Motor 55	Rotary, Torque Motor 26	Rotary, Torque Motor 26
Average positioning time (msec)	45	50	55	26	26
Average rotational delay (msec)	8.5	10	10	8.3	8.3
Average access time (msec)	53.5	60	65	34.3	34.3
Data transfer rate (KBytes/sec)	625	543	543	1250	1250
FIRST CUSTOMER SHIPMENT	4/83	1Q81	1Q81	4/86	4/86
U.S. OEM PRICE FOR 100 UNITS	\$895 (1000)	\$1,150 (1000)	\$1,440 (1000)	\$850 (1000)	\$950 (1000)
COMMENTS				41 mm High *1,7 RLL Code Embedded Servo	41 mm High *1,7 RLL Code Embedded Servo

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MANUFACTURER	QUANTUM	QUANTUM	QUANTUM	QUANTUM	RICOH
DRIVE					
	Q530	Q540	Q2030	Q2040	RH5130
DISK/TREND GROUP	4	4	4	4	1
MARKET	OEM	OEM	OEM	OEM	OEM
MEDIA: Generic type	Fixed	Fixed	Fixed	Fixed	5.25" Cartridge
Nominal disk diameter	130 mm OD 40 mm ID	130 mm OD 40 mm ID	200 mm OD 63.5 mm ID	200 mm OD 63.5 mm ID	130 mm OD 40 mm ID
Recording medium	Oxide Coated	Oxide Coated	Oxide Coated	Oxide Coated	Oxide Coated
DRIVE: Technology type	3350	3350	3350	3350	Modified 3350
Heads	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Interface	ST412	ST412	SA1000	SA1000	ST412
CAPACITY/RECORDING DENSITY					
Total capacity (MBytes) FIXED	U: 31.99	U: 42.66	U: 32.0	U: 42.66	--
REMOVABLE	--	--	--	--	U: 12.75
Capacity per track (Bytes)	U: 10,416	U: 10,416	U: 10,400	U: 10,400	U: 10,416
Data surfaces per spindle	6	8	6	8	2
Heads per data surface	1	1	1	1	1
Tracks per surface	512	512	512	512	612
Track density (TPI)	591	591	345	345	612
Maximum linear density (BPI)	9200	9200	6600	6600	10894
Rotational speed (RPM)	3529	3529	3000	3000	3473
PERFORMANCE					
Actuator type	Rotary, Torque Motor 45	Rotary, Torque Motor 45	Rotary, Torque Motor 60	Rotary, Torque Motor 65	Rack & Pinion, Stepping Motor 98 (including settling)
Average positioning time (msec)	45	45	60	65	98
Average rotational delay (msec)	8.5	8.5	10	10	8.6
Average access time (msec)	53.5	53.5	70	75	106.6
Data transfer rate (KBytes/sec)	625	625	543	543	625
FIRST CUSTOMER SHIPMENT	4/83	4/83	1Q81	1Q81	3Q85
U.S. OEM PRICE FOR 100 UNITS	\$995 (1000)	\$1,095 (1000)	\$1,700 (1000)	\$1,960 (1000)	--
COMMENTS					41 mm High Embedded Servo DMA License