Specifications and Jumper Settings for DH0080

Specifications

Formatted Capacity (MB)*	**85**
Interface Type	AT–IDE (16–bit)
Performance	
Avg. Access Time (ms)	17
Track–to–Track Access Time (ms)	8
Max. Sustained Data Transfer Rate (MB/sec)	2
Max. Burst Data Transfer Rate (MB/sec)	6
Rotational Speed (RPM)	3,833
Average Latency (ms)	7.8
Look-ahead Buffer Size (KB)	64
Recording Method (RLL)	1-7
MTBF (Hours)	150,000
Mechanical Characteristics (USER-DEFINED PARAMETERS)	
Number of Cylinders	610
Number of Data Heads	16
Sectors-per-Track	17
Total Number of Sectors	165,920
Environmental Characteristics	
Operating Temp. Range °F (°C)	41–131 (5–55)
Storage Temp. Range °F (°C)	-40–140 (-40–60)
Operating Humidity Range (%)	8–80
Non-Operating Humidity Range (%)	8–80
Max. Wet Bulb °F (°C)	79 (26)
DC Input Requirements	
+12V Current (amps)	
Worst Case (startup)	0.75
Typical	0.28
+5V Current (amps)	
Worst Case (R/W)	0.32
Typical	0.32
Power (watts)	
Worst Case	11
Typical	5
Drive Physical Characteristics	
Dimensions (HxWxD) (inches)	1x4x5.7
Drive Weight (lb/kg)	1.3/0.59

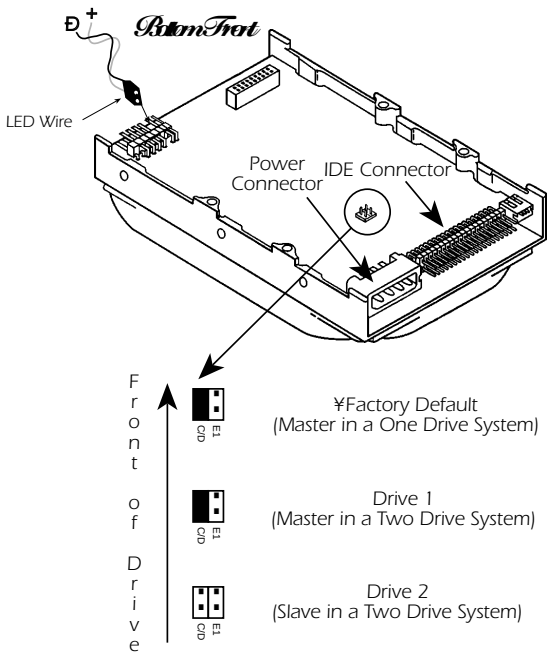
IDE Drive Types—Compaq & AST Bravo

Some Compaq systems automatically set the drive type for IDE disk drives. If this is not the case with your Compaq, use the table below to determine the drive type.

Model	Drive Type for Compaq	Drive Type for AST Bravo
DH0080	37	35

Specifications subject to change without notice.

Jumper Settings



User–Defined Parameters

Some computers may not have a drive type that corresponds exactly to the IDE drive parameters shown under *User-Defined Parameters* section in the specifications to the left. Since the drives will automatically configure themselves according to the drive type selected, you can use any drive type that approximates the IDE parameters, as long as the *total number of sectors* of the chosen drive type *does not exceed 165,920*. Find a drive type which most closely matches the suggested user-defined parameters (see the table at left), then calculate the total number of sectors of the chosen drive type using the formula

T=C x H x S

T = **total** number of sectors
C = number of **cylinders**
H = number of **heads**
S = number of **sectors** per track

Some systems allow a user-definable drive type. If your system allows this, select the ***user-defined drive type*** (commonly **48**, **49** or ***User-Defined***, but consult your manual first), then enter the *User-Defined Parameters* appropriate for your IDE drive as shown in the specifications to the left. To enter the drive values into the user-defined drive type setup, you must use the SETUP utility included with your computer instead of using Proset.

- PIRA, PIRA 50, and PIRA 55 jumper settings are shown in the default jumper setting in the figure above.

* Capacity calculated using 1,000,000 bytes = 1MB.

DH0080