

COMPACT
disc



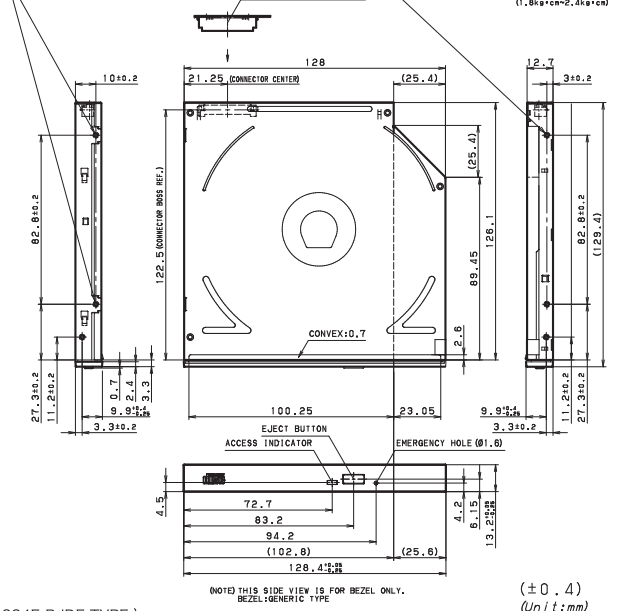
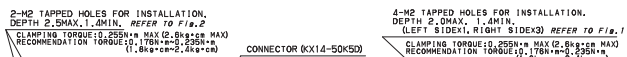
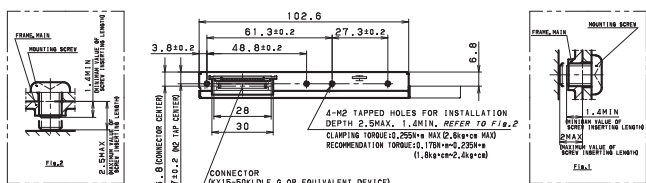
24x CD-ROM

24x-Speed Slim CD-ROM DRIVE CD-224E-R (IDE) CD-224S-R (SATA)

- Standard half inch design
- Horizontal and vertical mounting for most system configurations

	CD-224E-R	CD-224S-R
Read speed	CD-ROM 24x (CAV) CD-R/RW 24x (CAV) CD-DA (DAE) 20x (CAV) Play Audio *1 4x (CLV) Video CD *1 20x (CAV)	
Disc Diameter	12cm, 8cm	
Interface	ATA/ATAPI (IDE)	Serial ATA (SATA)
Data Transfer Rate	Programmed I/O (PIO) 16.7MB/s max. (PIO mode 4) Burst DMA 16.7MB/s max. (Multi Word DMA mode 2) Burst Ultra DMA 33.3MB/s max. (Ultra DMA mode 2)	
Average Random Access Time	110ms typ. Average (CD-ROM, 24x)	
Data Buffer	256KB	
Loading Mechanism	Drawer Type	
Environment Condition	Ambient Temperatures Operating : 5 to 55°C Relative Humidities Operating : 8 to 80% (non-condensing) *2	
Power Requirements	DC+5V ±5%	
Current Consumption	Standby/Sleep ; 20mA (Average current max) During starting/seek ; 1200mA (Peak current max)	
MTBF	60,000POH (10% duty)	
Safety Standard	Approved by UL, CSA, TÜV CE and BSMI	
Dimensions	128.0W X 12.7H X 129.4D (mm)	
Mass (Weight)	157g or less	
RoHS Directive	Complied	

Remarks
Please check the specification sheets for detailed conditions and other information.
*1 Playback mode
*2 The maximum wet-bulb temp. is 29.4°C or less



(±0.4)
(Unit:mm)

(CD-224E-R IDE TYPE)

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TEAC CORPORATION Data Storage Products Division

TEAC CORPORATION (<http://www.teac.co.jp>) 1-47 Ochiai, Tama-shi, Tokyo 206-8530 Japan Phone:81-42-356-9153 Fax:81-42-356-9184
 TEAC AMERICA, INC. (<http://www.teac.com>) 7733 Telegraph Road, Montebello, California 90640, U.S.A. Phone:1-323-726-0303 Fax:1-323-727-7656
 TEAC EUROPE GmbH. (<http://www.teac.de>) Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany Phone:49-611-71580 Fax:49-611-7158-392
 TAIWAN TEAC CORPORATION (<http://www.teac.com.tw>) 3F No.45, Sec.1 Min Chuan E. Road, 104 Taipei, Taiwan R.O.C. Phone:886-2-2597-8608 Fax:886-2-2597-8591
 TEAC ELECTRONICS (M) SDN BHD (<http://www.teac.com.my>) Lot 22, Batu Berendam Ftz III, Batu Berendam, 75350 Melaka, Malaysia. Phone:60-6-2843402 Fax:60-6-2843471
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