

OPTICAL DISC ARCHIVE DRIVE UNIT

ODS-D77F

ODS-D280F

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

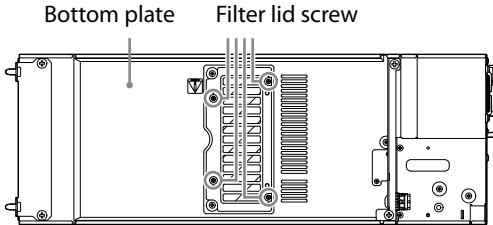


(ODS-D280F)

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note (ODS-D280F)

When replacing the air filter, remove the four filter lid screws that are attached to the bottom plate. Removing screws other than those specified may pose a risk of exposure to Class 3B laser radiation. For details about the air filter replacement procedure, refer to the Installation Manual supplied with the replacement air filter.



For the customers in Canada

CAN ICES-3 (A)/NMB-3(A)

WARNING

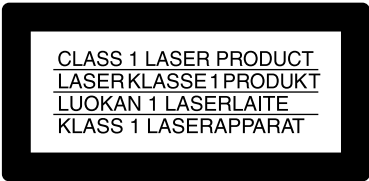
Operation of this equipment in a residential environment could cause radio interference.

For the customers in Europe

This apparatus shall not be used in the residential area.

Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This Optical Disc Archive Drive Unit is classified as a CLASS 1 LASER PRODUCT.

Tämä Optisen levyarkiston ohjain on luokiteltu 1. LUOKAN LASERTUOTTEEKSI.

Den här Optisk diskenhet för arkivering klassificeras som en LASERPRODUKT AV KLASS 1.

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VARNING

OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

Laser Diode Properties (ODS-D77F)

Wavelength: 400 nm to 410 nm
Emission duration: Continuous
Laser output power: 280 mW (max. of pulse peak), 150 mW (max. of CW)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Laser Diode Properties (ODS-D280F)

Wavelength: 400 nm to 410 nm
Emission duration: Continuous
Laser output power: 388 mW (max. of pulse peak), 150 mW (max. of CW)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaber for laserdiode (ODS-D77F)

Bølgelængde: 400 nm till 410 nm
Strålingsvarighed: Kontinuerlig
Afgivet lasereffekt: 280 mW (max. för pulstopp), 150 mW (max. för kontinuerlig våg)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaber for laserdiode (ODS-D280F)

Bølgelængde: 400 nm till 410 nm
Strålingsvarighed: Kontinuerlig
Afgivet lasereffekt: 388 mW (max. för pulstopp), 150 mW (max. för kontinuerlig våg)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaper for laserdiode (ODS-D77F)

Bølgelengde: 400 nm till 410 nm
Strålingsvarighet: Uavbrutt
Utgangseffekt for laser: 280 mW (maks stråletoppunkt), 150 mW (maks ved kontinuerlig stråling)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Egenskaper for laserdiode (ODS-D280F)

Bølgelengde: 400 nm till 410 nm
Strålingsvarighet: Uavbrutt
Utgangseffekt for laser: 388 mW (maks stråletoppunkt), 150 mW (maks ved kontinuerlig stråling)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Laserdiod-Egenskaper (ODS-D77F)

Våglängd: 400 nm - 410 nm
Strålningens varaktighet: Continuous
Lasereffekt: 280 mW (sykehuipun maks.), 150 mW (jatkuvan aallon maks.)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Laserdiod-Egenskaper (ODS-D280F)

Våglängd: 400 nm - 410 nm
Strålningens varaktighet: Continuous
Lasereffekt: 388 mW (sykehuipun maks.), 150 mW (jatkuvan aallon maks.)
Standard: IEC60825-1 (2007), IEC60825-1 (2014)

Caution

The use of optical instruments with this product will increase eye hazard.



For the customers in Europe

Hereby, Sony Corporation, declares that ODS-D77F/D280F/ Optical Disc Archive Drive Unit is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/ EC.
For details, please access the following URL :
<http://www.compliance.sony.de/>

Voor de klanten in Europa

Hierbij verklaart Sony Corporation dat het toestel ODS-D77F/ D280F/Archiefstation optische schijf in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Nadere informatie kunt u vinden op:
<http://www.compliance.sony.de/>

För kunder i Europa

Härmed intygar Sony Corporation att ODS-D77F/D280F/Optisk diskenhet för arkivering står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
För ytterligare information gå in på följande hemsida:
<http://www.compliance.sony.de/>

Para clientes na Europa

Sony Corporation declara que este ODS-D77F/D280F/Unidade de Arquivo do Disco Óptico está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Para mais informacoes, por favor consulte a seguinte URL:
<http://www.compliance.sony.de/>

For kunder i Europa

Undertegnede Sony Corporation erklærer herved, at følgende udstyr ODS-D77F/D280F/Optisk disk-baseret arkiv overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
For yderligere information gå ind på følgende hjemmeside: <http://www.compliance.sony.de/>

Asiakkaille Euroopassa

Sony Corporation vakuuttaa täten että ODS-D77F/D280F/Optisen levyarkiston ohjain tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Halutessasi lisätietoja, käy osoitteessa:
<http://www.compliance.sony.de/>

For kunder i Europa

Sony Corporation erklærer herved at ODS-D77F/D280F/Drivenhet for optisk platelager er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
For flere detaljer, vennligst se: <http://www.compliance.sony.de/>

Για τους καταναλωτές στην Ευρώπη

Με την παρούσα η Sony Corporation δηλώνει ότι ODS-D77F/ D280F/Μονάδα οδηγού αρχειοθέτησης οπτικού δίσκου συμμορφώνεται προς της ουσιώδεις απαιτήσεις και τις λοιπές σχετικές διατάξεις της οδηγίας 1999/5/EK.
Για λεπτομέρειες παρακαλούμε όπως ελένξετε την ακόλουθη σελίδα του διαδικτύου: <http://www.compliance.sony.de/>

За клиентите в Европа

С настоящето Сони Корпорация декларира, че ODS-D77F/ D280F/архивиране на оптични дискове отговаря на основните изисквания и другите съответстващи клаузи на Директива 1999/5/EC.
Подробности може да намерите на Интернет страницата :
<http://www.compliance.sony.de/>.

Pro zákazníky v Evropě

Sony Corporation tímto prohlašuje, že tento ODS-D77F/D280F/ Jednotka pro archivaci optických disků je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ ES.
Podrobnosti lze získat na následující URL:
<http://www.compliance.sony.de/>

Klientidele Euroopas

Sony Corporation kinnitab käesolevaga seadme ODS-D77F/ D280F/Laserketta arhiividraiv vastavust 1999/5/EÜ direktiivi põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Üksikasjalikum info: <http://www.compliance.sony.de/>.

Európai ügyfeleinknek

Alulírott, Sony Corporation nyilatkozom, hogy a(z) ODS-D77F/ D280F/Optikai lemezes archiváló meghajtó egység megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
További információkat a következő weboldalon találhat:
<http://www.compliance.sony.de/>

Klientiem Eiropā

Ar šo Sony Corporation deklarē, ka ODS-D77F/D280F/Optisko disku arhīva diska bolks atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Plašāka informācija ir pieejama: <http://www.compliance.sony.de/>

Europos klientams

Šiuo Sony Corporation deklaruoja, kad šis ODS-D77F/D280F/ Optinių diskų archyvo įtaisas atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Susipažinti su visu atitikties deklaracijos turiniu Jūs galite interneto tinklalapyje: <http://www.compliance.sony.de/>

OPERATION GUIDE

English



English

Before operating the unit, please read this manual thoroughly and retain it for future reference.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

IMPORTANT (ODS-D77F)

The nameplate is located on the side.

IMPORTANT (ODS-D280F)

The nameplate is located on the back.

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of part 15 of FCC Rules.

Dla klientów w Europie

Niniejszym Sony Corporation oświadcza, że ODS-D77F/D280F/Jednostka napędowa archiwum dysku optycznego jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE. Szczegółowe informacje znaleźć można pod następującym adresem URL: http://www.compliance.sony.de/

Pentru clienții din Europa

Prin prezenta, Sony Corporation declară că ODS-D77F/D280F/Unitate de arhivare pe disc optic respectă cerințele esențiale și este în conformitate cu prevederile Directivei 1999/5/EC. Pentru detalii, vă rugăm accesați următoarea adresă: http://www.compliance.sony.de/

Pre zákazníkov v Európe

Sony Corporation týmto vyhlasuje, že ODS-D77F/D280F/Archívna jednotka optického disku spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. Podrobnosti získate na nasledovnej webovej adrese: http://www.compliance.sony.de/

Za stranke v Evropi

Sony Corporation izjavlja, da je ta ODS-D77F/D280F/Pogonska enota za arhiviranje optičnih plošč v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES. Za podrobnosti vas naprošamo, če pogledate na URL: http://www.compliance.sony.de/

Avrupa’daki müşteriler için

Sony Corporation, ODS-D77F/D280F/Optik Disk Arşiv Sürücüsü Ünitesi ürünü için gerekli tüm testleri 1999/5/EC Direktifine göre yapmış bulunmaktadır. Daha detaylı bilgi için lütfen web sayfasını ziyaret ediniz: URL: http://www.compliance.sony.de/

Za korisnike u Europi

Ovime Sony Corporation izjavljuje da je ODS-D77F/D280F/Jedinica s pogonom za optičke diskove za arhiviranje u skladu s osnovnim zahtjevima i ostalim relevantnim odredbama direktive 1999/5/EZ. Dodatne informacije potražite na sljedećoj internet adresi: http://www.compliance.sony.de/

Overview

The ODS-D77F/D280F Optical Disc Archive Drive Units are drive units, designed for installation in ODS-L30M/L60E units, that feature Fibre Channel to support high-speed processing.

For details about the operating method when installed in an ODS-L30M or ODS-L60E, refer to the ODS-L30M Operation Manual.

Specifications

General

Power supply	ODS-D77F: 12 V DC ODS-D280F: 19.5 V DC
Power consumption	ODS-D77F: 55 W ODS-D280F: 95 W
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Storage temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating humidity	20% to 90%
Mass	ODS-D77F: 4.3 kg (9 lb. 7.7 oz.) ODS-D280F: 4.9 kg (10 lb. 13 oz.)
Dimensions (width / height / depth)	ODS-D77F: 146 × 84 × 385 mm (5 3⁄4 in ×3 3⁄8 in × 15 1⁄4 in) ODS-D280F: 146 × 94.2 × 401.8 mm (5 3⁄4 in ×3 3⁄4 in × 15 7⁄8 in)

Recording file formats

Supports all data formats.

Supported recording/playback media

Cartridge	Media type	Read/write support		No. of files whchi can be created
		ODS-D77F	ODS-D280F	
ODC300R Capacity: 300 GB	Write-once	Read/Write	Not supported	60,000 or 240,000
ODC300RE Capacity: 300 GB	Rewritable	Read/Write	Not supported	60,000 or 240,000
ODC600R Capacity: 600 GB	Write-once	Read/Write	Not supported	60,000 or 240,000
ODC600RE Capacity: 600 GB	Rewritable	Read/Write	Not supported	60,000 or 240,000
ODC1200RE Capacity: 1.2 TB	Rewritable	Read/Write	Read-only	60,000 or 240,000
ODC1500R Capacity: 1.5 TB	Write-once	Read/Write	Read-only	60,000 or 240,000
ODC3300R Capacity: 3.3 TB	Write-once	Not supported	Read/Write	480,000

And equivalent products

Note

Capacity values given using 1 GB = 1,000,000,000 bytes. The usable capacity may be reduced after formatting. The usable capacity may be reduced under certain circumstances if a large number of files are recorded on the cartridge. The usable capacity may be reduced depending on the size of files to record and the remaining recording capacity.

Input/output

Fibre Channel 8.5 GBd

Accessories (ODS-D77F)

- Operation Guide (1)
- Optical module (SFP+) (1)
- ODA control cable
Part No. 1-848-006-1x (SONY) (1)
- D77 mounting plate (F) Assy. (1)
- D77 mounting plate (R) (1)
- +B 3 × 6 (2)
- +B 4 × 6 (4)

Accessories (ODS-D280F)

- Operation Guide (1)
- Optical module (SFP+) (1)
- ODA control cable
Part No. 1-848-006-1x (SONY) (1)
- Drive DC cable
Part No. 1-849-819-1x (SONY) (1)
- +B 3 × 6 (1)

Options

- Optical disc archive cartridges
 - ODC300R (300 GB, write-once type)
 - ODC300RE (300 GB, rewritable type)
 - ODC600R (600 GB, write-once type)
 - ODC600RE (600 GB, rewritable type)
 - ODC1200RE (1.2 TB, rewritable type)
 - ODC1500R (1.5 TB, write-once type)
 - ODC3300R (3.3 TB, write-once type)

Air filter

Service part No.: A-2181-544-x (available from July, 2017)

Design and specifications are subject to change without notice.

Notes

- Always make a test recording, and verify that it was recorded successfully.
SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF FAILURE OF THIS UNIT OR ITS RECORDING MEDIA, EXTERNAL STORAGE SYSTEMS OR ANY OTHER MEDIA OR STORAGE SYSTEMS TO RECORD CONTENT OF ANY TYPE.
- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.
- SONY WILL NOT BE LIABLE FOR CLAIMS OF ANY KIND MADE BY USERS OF THIS UNIT OR MADE BY THIRD PARTIES.
- SONY WILL NOT BE LIABLE FOR THE LOSS, REPAIR, OR REPRODUCTION OF ANY DATA RECORDED ON THE INTERNAL STORAGE SYSTEM, RECORDING MEDIA, EXTERNAL STORAGE SYSTEMS OR ANY OTHER MEDIA OR STORAGE SYSTEMS.
- SONY WILL NOT BE LIABLE FOR THE TERMINATION OR DISCONTINUATION OF ANY SERVICES RELATED TO THIS UNIT THAT MAY RESULT DUE TO CIRCUMSTANCES OF ANY KIND.

警告使用者：
此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

For the customers in Taiwan(ODS-D280F)

設備名稱：專業藍光卡匣存取機 型式：ODS-D280F						
單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
印刷電路板	—	○	○	○	○	○
外殼	—	○	○	○	○	○
驅動單元	—	○	○	○	○	○
電源供應單元	—	○	○	○	○	○
附配件	—	○	○	○	○	○
備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。						
備考2. “—” 係指該項限用物質為排除項目。						