

Data Safes

DS 4000 series

KASO DS 4000 Data Safes

S 120 DIS according to EN 1047-1 (ECB•S)



Highest fire protection classification for data media

Tested protection against fire, humidity, water and magnetism

Manufactured in accordance to ISO 9001:2008 quality management

High security locking against burglary and unauthorized access

Over half a century experience in physical data security

KASO[®]
SECURITY - 24 HOURS A DAY

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A fire could paralyse a company

Despite prevention by modern alarm systems, nobody can fully avert this danger.

The economic loss of data destroyed by flames could represent enormous capital value.

Their loss could ruin a company, not only a big industrial company, but also trading and craft enterprises and service providers.

Also know-how, customer data, figures and facts cannot be replaced or reproduced so easily and could be very expensive and take long time to recover..

IT security is also an operational risk. Production stops, development stagnates, sales and marketing personnel are unable to work. Business interruption insurance covers all current costs and lost sales at the beginning – but how many customers will wait for the end of an extended interruption without going to a competitor?



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Qualified staff, as well, will look for new chances quickly.

Another problem is the retention period fixed by law for files, documents and data media.

Insurance coverage may be also at risk if no preventive measures have been taken.

Highest possible fire protection for data

Two (2) hour successful burning test at around +1090 °C when the development of the temperature and air humidity inside the product is monitored continuously. A fire generates enormous heat which destroys data quickly. While paper catches fire at about 170 °C, diskettes are rendered unreadable as soon as the temperature exceeds 50 °C.

The test specimen must stay in the closed furnace until the temperatures in the interior of the product have passed their peak. The minimum is twelve hours after the flame exposure has been ended. Always the maxi-

mum inside temperature level is achieved over ten (10) hours after the flame exposure has been ended. During the burning and also during the cooling period, the inside temperature of the data safe is not allowed to increase over 50 °C.

For the type test of data cabinets, the data safes have passed two test specimens – one for the fire resistance test and one for the fire shock and impact test. The fire shock and impact test is an authentic simulation of the real dangers in the event of fire, i.e., structural components falling down or a cabinet that drops from one floor to another when the building collapses. In the test the data safes are dropped from 9.15 meters to solid concrete floor. No degradation is allowed to the fire, heat and humidity resistance of the data safe.

The quality of components and manufacturing of the Kaso DS 4000 data safes are monitored and analysed regularly by the European certification board ECB-S. With constant quality control and management the fire protection of the data safes is not compromised. Quality management of Kaso DS 4000 data safes is also certified according to ISO 9001:2008.



Ultimate protection for your data and media records

Kaso DS 4000 data safes have been designed against multiple threats for protecting your data and media records. In addition to S 120 DIS fire testing of the Kaso DS 4000 data safes, following additional tests have been performed to demonstrate the non-compromised security of Kaso DS 4000 data safes:

Water submersion test for models DS 4200 / DS 4300 and DS 4400. Kaso data safes are tested against water and humidity at the Technical Research Centre in Finland. During the tests the safes were sunk for four (4) hours into a depth of three meters. The sealing of the data safes offers also protection against water from fire sprinklers and water beams for example in case of fire.

Magnetic shielding test. Magnetic shielding tests were successfully carried out by Technical research Centre in Finland. Magnetic shielding provides protection for the contents of the data safe against external radiation.

Explosion test. Explosion test for models DS 4200 / DS 4300 and DS 4400 at the Finnish Army base. In the test 400 g of dynamite exploded against the data safes. Even the explosion was not enough to damage the contents of the safe. The data safes are also offering protection against possible explosions caused by the fire.



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DS 4200/4300/4400

Standard:

- unpickable Mauer keylock with 2 pcs changeable keys
- without inside fittings
- colour RAL 7035

Optional:

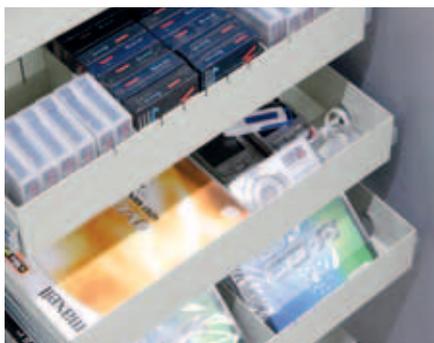
- mechanical combination lock or electronic code lock (DS 4200 / 4300 / 4400)
- two locks (DS 4300 / 4400)
- multipurpose pull-out shelf
- pull-out filing rails
- adjustable plain shelf
- lockable box 200 mm



DS 4000 pull-out drawer capacities

Model	Pull-out drawer		DS 4200	DS 4300	DS 4400
	Height	Capacity	Max number of drawers		
DISKS					
Jaz drives	150 mm	57 pcs	3	5	7
5.25" MO Disc.	170 mm	108 pcs	3	4	6
CD/DVD	160 mm	123 pcs	3	4	7
Zip drives	115 mm	132 pcs	4	6	9
3.5" MO Disc.	105 mm	272 pcs	5	7	10
CARTRIDGES					
DLT	120 mm	48 pcs	4	6	9
LTO	120 mm	72 pcs	4	6	9
Exabyte 8 mm	120 mm	105 pcs	4	6	9
AIT	110 mm	162 pcs	5	6	10
DAT	90 mm	196 pcs	6	8	12
DDS	90 mm	273 pcs	6	8	12

Internal dimensions of a multipurpose pull-out shelf: 412 mm x 397 mm x 60 mm.
Flexible in use due to the movable dividers.



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DS 4090

Standard:

- Abloy push-button keylock
- perforated bottom plate with 10 pcs disc supportors
- colour RAL 7035

Optional:

- pair of trays with 20 pcs disc supportors (in the picture)
- Two castors and two adjustable feet

DS 4090 capacities

	one tray	two trays
DISKS		
Jaz drives	36 pcs	-
5.25`` MO Disc.	66 pcs	-
CD/DVD	90 pcs	-
Zip drives	80 pcs	160 pcs
3.5`` MO Disc.	205 pcs	320 pcs
CARTRIDGES		
DLT	40 pcs	72 pcs
LTO	44 pcs	88 pcs
Exabyte 8 mm	78 pcs	144 pcs
AIT	120 pcs	192 pcs
DAT	136 pcs	232 pcs
DDS	184 pcs	320 pcs



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DS 4000 Data Safe capacity estimates

Model	DS 4090	DS 4200	DS 4300	DS 4400
DISKS				
Jaz drives	36	175	285	400
5.25" MO Disc.	66	325	435	650
CD/DVD	90	370	495	865
Zip drives	*160	530	795	1 190
3.5" MO Disc.	*320	1 360	1 905	2 720
CARTRIDGES				
DLT	*72	195	290	435
LTO	*88	290	435	650
Exabyte 8 mm	*144	420	630	945
AIT	*192	810	975	1 620
DAT	*232	1 180	1 570	2 355
DDS	*320	1 640	2 185	3 280

*DS-4090 Data Safe with pair of trays.

Specifications

Model	DS 4090	DS 4200	DS 4300	DS 4400
External mm				
height	585	965	1155	1535
width	570	745	745	745
depth	770	720	720	720
Internal mm				
height	235	560	750	1130
width	250	465	465	465
depth	450	420	420	420
Volume l	26	109	146	221
Weight kg	160	320	380	490

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