

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

Hardware performance sheet (HPS) – Identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and/or smoke control doorsets and/or openable windows.

Extended application of test results	EN 15269-20				Single leaf	Double leaf	Latched	Unlatched	Door opening direction into the oven	Door opening direction outside the oven	Fire resistance EN 1634-1	Smoke control EN 1634-3	Product inside the oven	Product outside the oven	Product concealed	Duration of fire resistance							Durability of selfclosing EN 1191	
	EN 15269-2	EN 15269-3	EN 15269-5	EN 15269-5												EI 1	EI 2	E	≥ 30	≥ 60	≥ 90	≥ 240		Test cycles
Test Report no.	Steel doorsets	Timber doorsets	Aluminium framed glazed	Steel framed glazed doorsets												EI 1	EI 2	E	≥ 30	≥ 60	≥ 90	≥ 240	Test cycles	
0100402-1225673				x	x			x		x			x					x		x				
0100402-1225673				x	x			x		x			x					x		x				
WF 513979		x			x			x		x			x							x				
WF 513979		x			x			x		x			x							x				
DMT-DO-50-595				x		x		x		x			x									x		
DMT-DO-50-598			x			x		x		x			x									x		
DMT-DO-50-712	x					x		x		x			x									x		
210005557			x			x		x		x			x			x						x		
192056	x				x			x		x			x											x
192056	x				x			x		x			x											x
178808		x			x			x		x			x									x		
178808		x			x			x		x			x									x		
DMT-DO-51-149		x				x		x																200.000

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HPS\_0031\_ED\_100\_250\_EN

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# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

Test report no. **0100402-1225673**

## Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED mounting set for UPS with Battery A01

Type of building hardware: Swing Door Operator with battery pack (USV)

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 915 x 70 x 130

Remarks: --

## Test evidence

Material of door set: Steel framed glazed

Mounting of building hardware: surface mounted, product outside the oven

Type of door set: hinged, single leaf door set

Door opening direction: inside the oven

Isolation: uninsulated

Door tested: latched

## Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 08.02.2024

Test report issued by: RISE Research Institutes of Sweden AB

Classification: E 60min.

Width of primary leaf: 1100mm

Width of secondary leaf: --

Door leaf height: 2250mm

Door thickness: 50mm

Mass of primary leaf: 64 Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: 060675\_230712\_ED-UPS\_moun-instr\_en

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

Test report no. **0100402-1225673**

## Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED mounting set for UPS with Battery A01

Type of building hardware: Swing Door Operator with battery pack (USV)

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 915 x 70 x 130

Remarks: --

## Test evidence

Material of door set: Steel framed glazed

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Door tested: latched

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Date: 08.02.2024

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Width of primary leaf: 1100mm

Width of secondary leaf: --

Door leaf height: 2250mm

Door thickness: 50mm

Mass of primary leaf: 64 Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: 060675\_230712\_ED-UPS\_moun-instr\_en

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. WF 513979**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: surface mounted, product outside the oven

Type of door set: hinged, single leaf door set

Door opening direction: inside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 03.03.2022

Test report issued by: Worringtonfire

Classification: EI 2 60min.

Width of primary leaf: 930mm

Width of secondary leaf: --

Door leaf height: 2040mm

Door thickness: 54mm

Mass of primary leaf: 55 Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. WF 513979**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: hinged, single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 03.03.2022

Test report issued by: Worringtonfire

Classification: EI 2 60min.

Width of primary leaf: 930mm

Width of secondary leaf: --

Door leaf height: 2040mm

Door thickness: 54mm

Mass of primary leaf: 55 Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. DMT-DO-50-595**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: Steel profile

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: hinged, double leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: unlatched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 13.03.2019

Test report issued by: DMT Lathen

Classification: EI 2 90min.

Width of primary leaf: 700mm

Width of secondary leaf: 700mm

Door leaf height: 2500mm

Door thickness: 70mm

Mass of primary leaf: 162Kg

Mass of secondary leaf: 162Kg

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. DMT-DO-50-598**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: aluminium profile

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: hinged, double leaf door set

Door opening direction: inside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 03.04.2019

Test report issued by: DMT Lathen

Classification: EI 2 90min.

Width of primary leaf: 960mmx

Width of secondary leaf: 960mm

Door leaf height: 2225mm

Door thickness: 90mm

Mass of primary leaf: 187Kg

Mass of secondary leaf: 188Kg

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. DMT-DO-50-712**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: steel

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: hinged, double leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 27.02.2020

Test report issued by: DMT Lathen

Classification: EI 2 90min.

Width of primary leaf: 978mm

Width of secondary leaf: 978mm

Door leaf height: 2225mm

Door thickness: 64mm

Mass of primary leaf: 103Kg

Mass of secondary leaf: 114Kg

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN



# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. 210005557**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250 EN 4-6

Type of building hardware: Automatic Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: aluminium profile

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: Hinged, double leaf door set

Door opening direction: inside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 18.12.06

Test report issued by: Warringtonfire

Classification: E 240min.

Width of primary leaf: 1129mm

Width of secondary leaf: --

Door leaf height: 2350mm

Door thickness: 44mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. 192056**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250 EN 4-6

Type of building hardware: Automatic Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: steel

Mounting of building hardware: surface mounted, product outside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: uninsulated

Door tested: unlatched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 28.07.2010

Test report issued by: EXOVA Warringtonfire

Classification: E 240min.

Width of primary leaf: 924mm

Width of secondary leaf: --

Door leaf height: 2051mm

Door thickness: 45mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. 192056**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250 EN 4-6

Type of building hardware: Automatic Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: steel

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: uninsulated

Door tested: unlatched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 28.07.2010

Test report issued by: EXOVA Warringtonfire

Classification: E 240min.

Width of primary leaf: 924mm

Width of secondary leaf: --

Door leaf height: 2051mm

Door thickness: 45mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. 178808**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 100 EN 2-4

Type of building hardware: Automatic Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: surface mounted, product outside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: unlatched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 02.03.2009

Test report issued by: Warringtonfire

Classification: EI 2 60min.

Width of primary leaf: 928mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 53mm

Mass of primary leaf: 67Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. 178808**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 100 EN 2-4

Type of building hardware: Automatic Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: unlatched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 02.03.2009

Test report issued by: Warringtonfire

Classification: EI 2 60min.

Width of primary leaf: 928mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 53mm

Mass of primary leaf: 67Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN

# EN 16035 Hardware Performance Sheet (HPS)

22.03.2024

Product family: ED 100, ED 250, ED mounting set for UPS with Battery A01

**Test report no. DMT-DO-51-149**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ED 250

Type of building hardware: Swing Door Operator

EN building hardware product standard(s): --

Classification(s): --

Main dimensions [mm]: 685 x 70 x 130

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: Surface mounted

Type of door set: hinged, double leaf door set

Door opening direction: --

Isolation: uninsulated

Door tested: latched

## **Performance level(s)**

Performance: Durability of selfclosing

Test method: EN 1191

Date: 22.08.2017

Test report issued by: DMT Lathen

Classification: 200 000 test cycles

Width of primary leaf: 1300mm

Width of secondary leaf: 1300mm

Door leaf height: 2650mm

Door thickness: 105mm

Mass of primary leaf: 278Kg

Mass of secondary leaf: 205Kg

Restrictions: --

Installation Instructions: --

HPS\_0031\_ED\_100\_250\_EN