Day & Night solution

ASSA ABLOY HS8010PDN, HS8020PDN + ASSA ABLOY OH1042PDN

ASSA ABLOY
Entrance Systems

Experience a safer and more open world

The best of both worlds

A well insulated ASSA ABLOY OH1042P overhead sectional door for the night keeps the warmth in and the uninvited guests out. For day use, when you have to go in and out frequently, an efficient ASSA ABLOY high speed door ensures a short passage time.

Why a Day & Night solution?

- In Night mode the high security and well-sealed ASSA ABLOY OH1042 overhead sectional door is closed.
- In Day mode you get a short passage time and high efficiency when the ASSA ABLOY high speed door is in use.
- Reduced energy cost.
- A burglar resistance Class 2 certification is possible for the ASSA ABLOY OH1042 overhead sectional door.
- The Day & Night solution is the most efficient solution when the passing frequency is high.
- All access and automation options are available.
- In case of a crash the self-repairing ASSA ABLOY high speed door gives no down time and no repair cost.
- When one of the doors is out of function it is always possible to close the opening.

Technical Data

ASSA ABLOY OH1042PDN

Min size (W x H)		2000 x 2000 mm
Max size (W x H)		5500 x 5500 mm
Panel thickness		42 mm
Windows		optional
Pass-door		not possible
Wind load resistance, EN 12424	W < 4250 W > 4250	class 3 (700 N/m²) class 2 (450 N/m²)
Water penetration, EN 12425		class 3 (170 pa)
Air permeability, EN 12426		class 3
Thermal transmittance, EN 124283 Full panel (steel) door		1,10 W/(m²K)

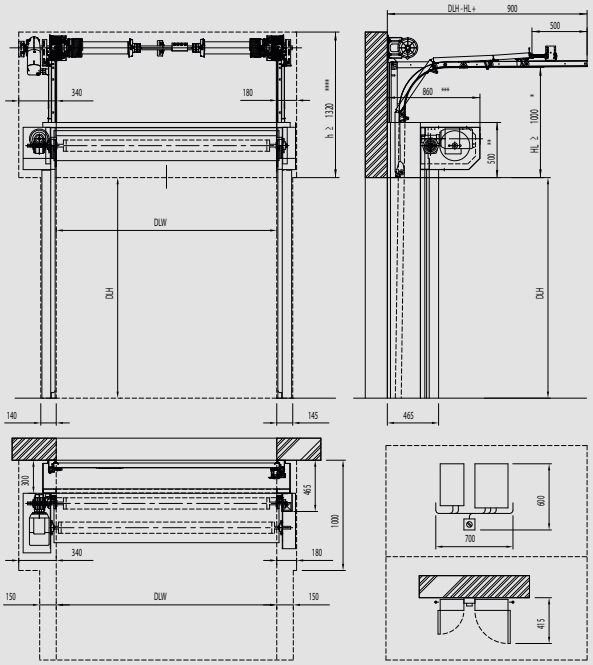
Technical Data

ASSA ABLOY HS8010PDN, HS8020PDN

Min size (W x H)		2000 x 2000 mm
Max size (W x H)		5500 x 5500 mm
Operating speed		opening: up to 2,4 m/s [1)] closing: 1,2 m/s
Wind load resistance, EN 12424	HS8010PDN	class 3 (700 N/m²) class 4 (1000 N/m²) W < 4000
	HS8020PDN	class 4 (1000 N/m²) class 5 (>1000 N/m²) W < 5000
Water penetration, EN 12425		class 2 (50 N/m²)
Air permeability, EN 12426		class 1 (24 m³/m²/h at 50 Pa)
Thermal transmittance		6,02 W/ (m²K)
Lifetime expectations		1.000.000 cycles

1) Depending on door size

Dimensional specifications



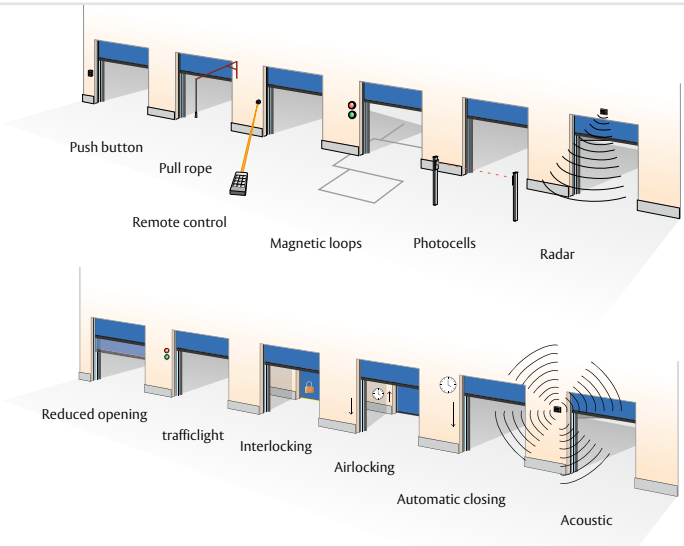
* If drum cover and DLH > 4000 mm = 1150 mm
** If drum cover and DLH > 4000 mm = 650 mm
*** If drum cover and DLH > 4000 mm = 940 mm
**** If drum cover and DLH > 4000 mm = 1470 mm

How does it work

Day mode = ASSA ABLOY HS8010PDN, HS8020PDN
Turning the switch from night mode to day mode. The ASSA ABLOY overhead sectional door will open. When fully open, the ASSA ABLOY high speed door starts to close and is ready for operation.

Night mode = ASSA ABLOY OH1042P
Turning the switch from day mode to night mode ASSA ABLOY High speed door will open. When fully open, the ASSA ABLOY overhead sectional door starts to close for optimal insulation and security.

Options access and automation



Standard outside colours

Overhead Sectional Doors

Yellow RAL 1021	Blue RAL 5010	Black grey RAL 7021	Grey white RAL 9002	Aluminium grey RAL 9007
Flame red RAL 3000	Green RAL 6005	Graphite grey RAL 7024	Jet black RAL 9005	White RAL 9010
Sapphire blue RAL 5003	Anthracite grey RAL 7016	Chocolate brown RAL 8017	Light grey RAL 9006	On request Other colours

High Speed Doors

Signal yellow RAL 1003	Flame red RAL 3000	Moss green RAL 6005	Jet black RAL 9005	On request Other colours
Pure orange RAL 2004	Ultramarine blue RAL 5002	Light grey RAL 7035	White RAL 9010	

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