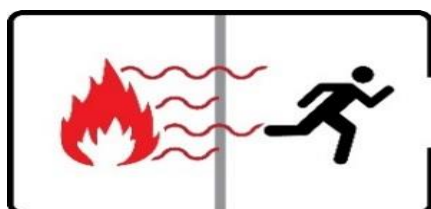


According to the new requirement for CE marking of motor-driven fire curtains, the composite product must be certified to comply with both the Machinery Directive 2006: 42: EC, EMC 2014/30 / EU and the building product regulation EN 16034: 2014 (Product standard functional properties - Fire resistance and / or fire gas protection characteristics). Smoke tightness is tested according to EN 1634-3 for both cold gases and hot gases.

Fire curtain NFC EW is tested according to the new EN standard EN16034-1: 2014, EN13241, EN1634-1 + A1: 2018 and EXAP EN15269-11 + C: 2019. The Sa model is also tested according to EN 1634-3. Analytical dimensioning is used to calculate safety / protection distances in relation to the requirements for insulating capacity linked to evacuation requirements for persons and to combustible material with regard to BDRAD 4.1.3. The EW curtain can be used in an EI-rated wall with a fire-free zone / protection distance of at least 200 mm without sprinkling depending on current EI requirements.



EW-klass

## Fire Curtain NFC EW

### Up to 90 minutes heat reduction:

The EW-class fire curtain is made of wire-reinforced fiberglass fabric coated with a non-toxic expanding surface that seals against fire and provides the best possible limitation of heat radiation.

Heat radiation <math><15\text{kW} / \text{m}^2</math>

Smoke intensity S1

Weight: Fabric 4 kg / m<sup>2</sup>

Construction: 10 kg / m<sup>2</sup>

Max format: 13000x8000 mm.

Fire-free zone / protection distance to combustible material corresponding to: EI30, 200 mm; EI60, 300 mm; EI90, 500 mm; EI120, 800 mm.

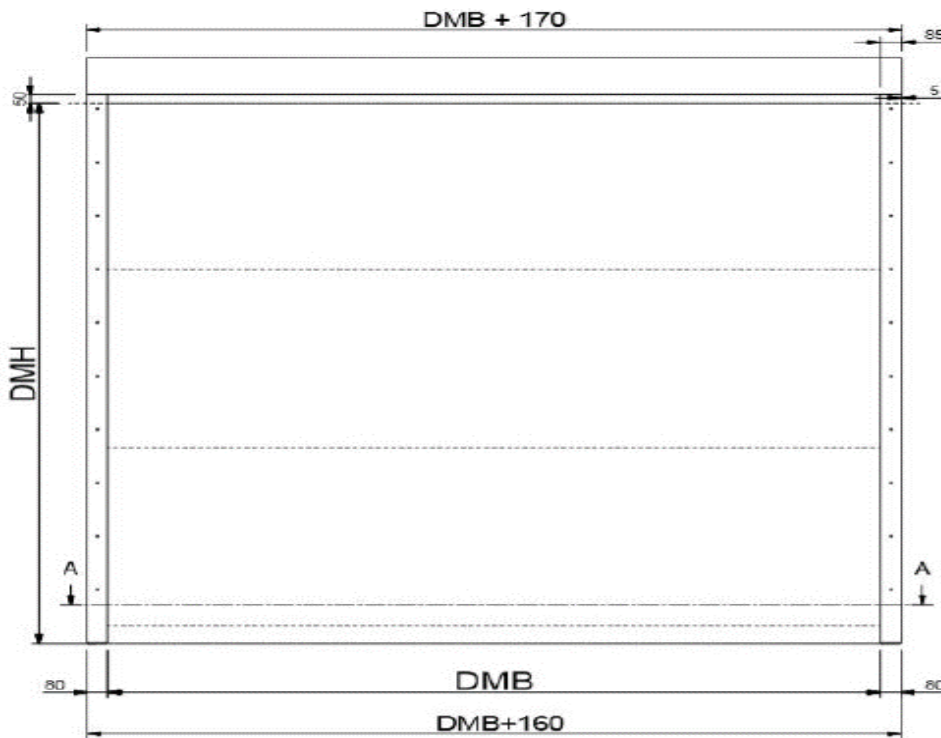
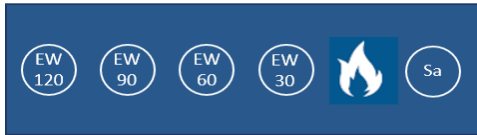
Operation: Motor 1 phase 230V 2.5A

Options: Smoke density: Sa

Battery backup: temporary backup power in the event of a power failure.



# Fire Curtain NFC EW



### Housing

DMB Width  
DMH Height

### Housing DMH in mm

- < 3501 200x200
- < 6000 250x250
- > 6000 300x300

### Clear Height To Housing

H+ 50 mm

### Guides

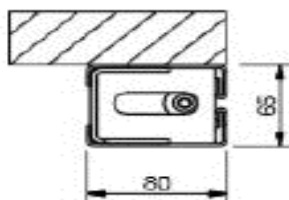
Width 80 mm  
Depth 65 mm

### Side Room Guides

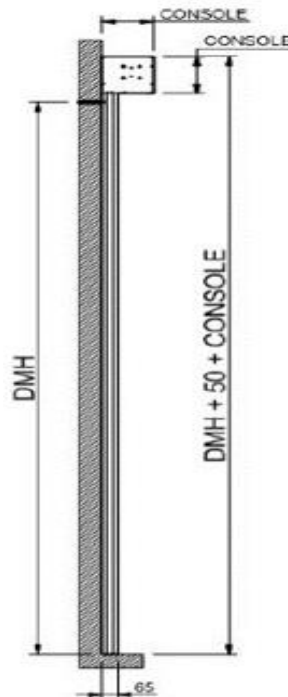
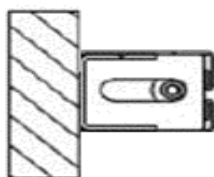
- < 6000 85 mm
- > 6000 120 mm

### Guides

#### Wall Installation



#### Nisch Installation



### Side Room Housing

250-350 mm depending on height

### Total Opening DMB

- Min. 800 mm
- Max. 11000 mm

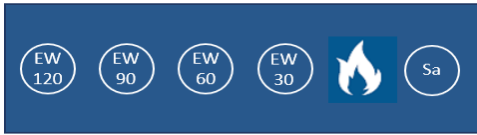
### Total Opening DMH

- Min. 500 mm
- Max. 8000 mm

### Max format

EW60 - 50 sqm, with gravity fail safe motor, otherwise 80 sqm

EW90 - 36 sqm, with gravity fail safe motor, otherwise 50 sqm

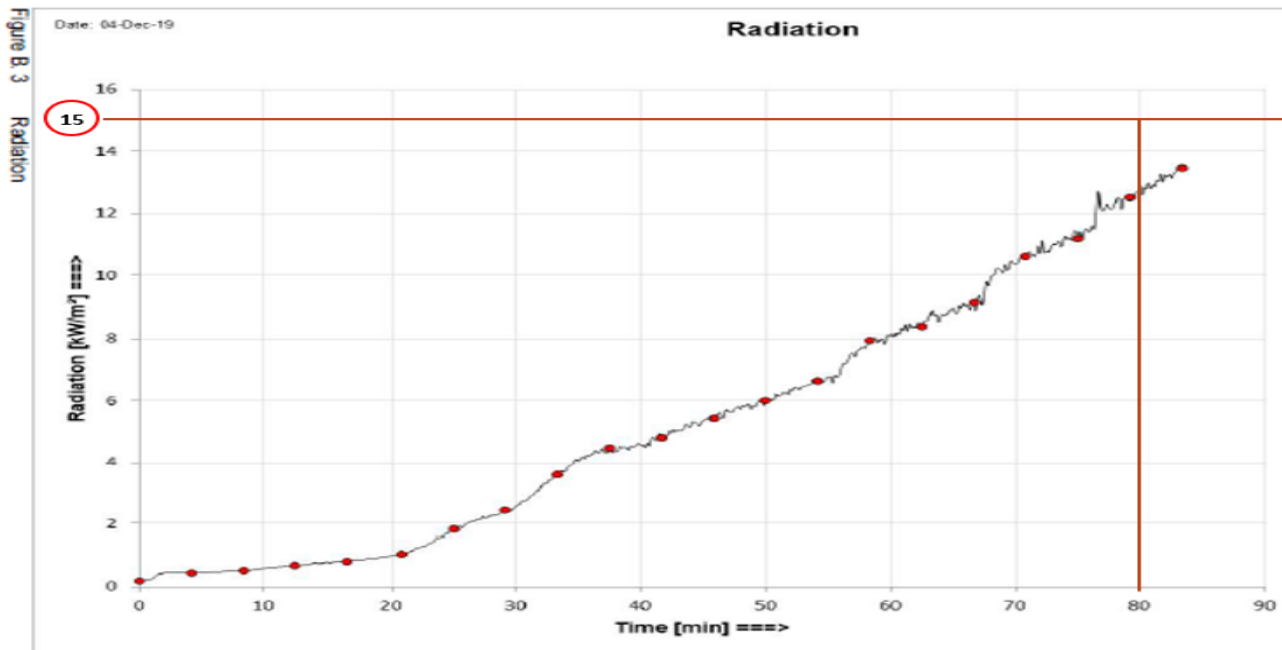


## Declaration of Performance

The notified body NB 1812 performed the determination of the product type on the basis of type testing, initial inspection of the manufacturing plant and of the factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance of the product.

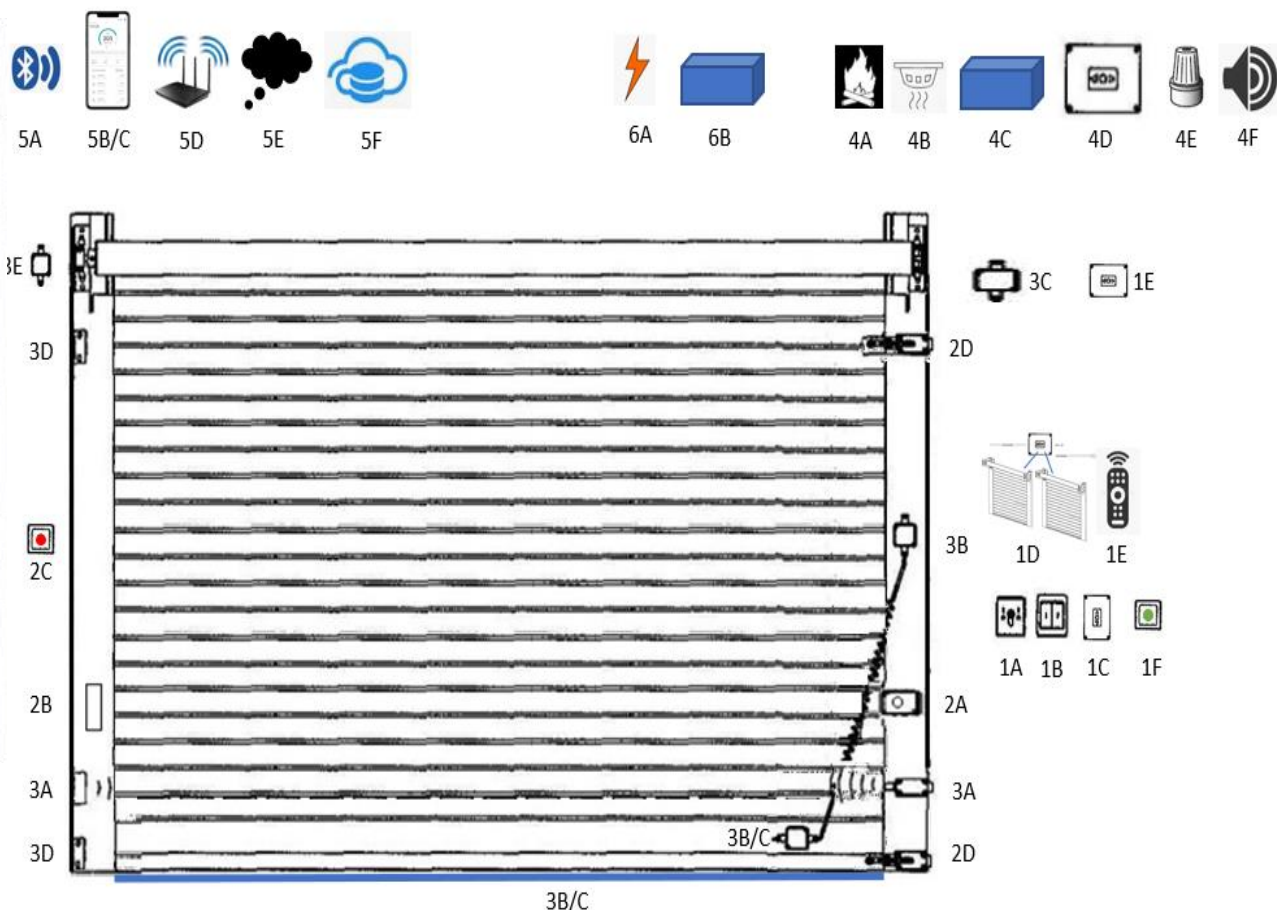
Declared performance		Harmonised technical specification	
Essential characteristics:	Performance of door up to 11.000x8.000 (EXAP) with failsafe motor	EN 15269-11:2018 +C1:2019	
Resistance to fire	Class EW 60	EN 16034:2014	
Ability to release	Approved		
Self-closing	Class C		
Durability of ability to release	Release maintained		
Performance of self-closing long-term durability test	Category 2		
Air permeability	Tested at 20Pa	EN 13241: 2003+A2:2016	
Heat radiation	13,2 kW/m <sup>2</sup> at 85 min.		
Safety	Tested		
Operational forces	Tested		
Mechanical resistance and stability	Tested		
Risk analysis	Performed		
CE Marking	Checked		
Release dangerous substances	None		
Signed on behalf of the manufacturer and in the name of the manufacturer by: <i>Jaap Aardema, CEO</i>			
Date and place:	Signature:		
Emmeloord, 31-1-2020			

## Radiation test curve



## Controlpanel Dimon RTM

4



### Programmable Functions

#### 1. Open / Close

- A) Key switch
- B) Knob switch
- C) Card / Tag reader
- D) Co-driving
- E) Remote control
- F) Emergency opening

#### 2. Stop

- A) Lock with microswitch
- B) Electric lock
- C) Emergency stop
- D) Limit switch

#### 3. Security

- A) Photocell - transmitter, reflector
- B) Clamp protection - Optical
- C) Clamp protection - Remote
- D) Magnetic contact - upper, lower

#### 4. Fire functions

- A) Fire alarm
- B) Smoke detectors
- C) Battery backup
- D) Control cabinet / External alarm
- E) Light alarm
- F) Audible alarm

#### 5. Communication

- A) Bluetooth
- B) GSM
- C) NB-IoT
- D) WiFi
- E) Online Web Application
- F) Connected to the customer's system

#### 6. Power

- A) Engine status
- B) Battery backup