



HD 200

Automatic sliding
door operator

Exceptionally smart, safe and slim design with drive power to spare

With the innovative dormakaba HD 200 system you are investing in the future, a system that offers the perfect solution for all applications, door types and design challenges, offering whisper quiet operation and convenience within a compact design profile (155 mm).

Exceptionally Smart & Powerful

dormakaba HD 200 heavy duty Power Drive offers dynamic acceleration and deceleration, and has opened up a new dimension with its modular control system - providing maximum power in the all-in-one modular mini drive unit (MDU).

Now there is no longer a requirement to replace components when you wish to expand the functional characteristics of your system as 'Docking' will be the future in upgrading your technology, and now you 'Simply plug in - and upgrade'.

The elegant design profile combined with intelligent door automation provides the perfect solution for sophisticated architectural concepts and designs and dormakaba's commitment to quality and product longevity ensures that you are investing for the future.

Exceptionally Safe

Quality, reliability and durability are central to the brand dormakaba, which is why the dormakaba HD 200 has been endurance tested to 1 million cycles and fully complies to all relevant Australian & New Zealand NCC building codes and standards. Moreover it has been independently tested by a NATA accredited facility to Australian standard AS5007 section 4.6 Exova Warrington Fire Australia, Certificate No. 30384400.1).

When choosing dormakaba, you have the security and peace of mind derived from our many decades of experience in the automatics business – a history that sets dormakaba apart as the clear market leader in motor drive and door control system technology.

The in-built UPS (Uninterrupted Power Supply) provides full emergency operation under loss of mains power to ensure that safe egress is maintained, and when fitted, electric security locking remains fully operational for when you need it most.

Exceptionally Simple Installation

The dormakaba HD 200 is user friendly to install utilising the same easy fit heavy duty track wheels and installation setup providing greater uniformity across the dormakaba automatic sliding door range.

Accessories

dormakaba has an extensive range of door control and program switches, push buttons, presence & safety sensors, P-E safety beams and a wide choice of signage plates including Braille.

HD 200 Features and Benefits dormakaba Power Drive:

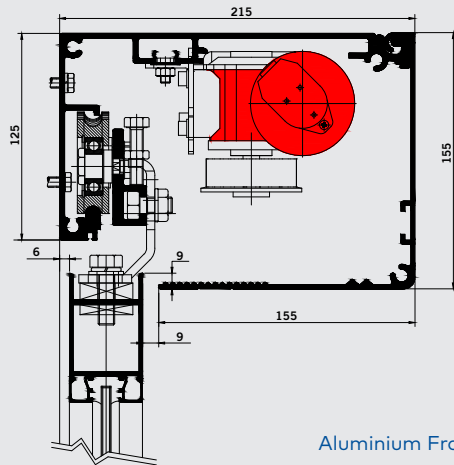
- Dynamic driving phase control for particularly powerful and responsive operation and door control.
- Endurance tested to 1 million cycles to ensure reliability, durability and peace of mind.
- Uninterrupted Power Supply (UPS) maintaining full operation under loss or interruption of mains power.
- Modular, flexible system incorporating 'docking' to quickly upgrade the system.
- Elegant slim design profile (155 mm H).
- Exceptionally simple & easy to install using dormakaba easy fit system.
- Option for HD 200 telescopic door entry to maximise clear opening width (refer to page 3 DWG).



The professional operator for individual door design

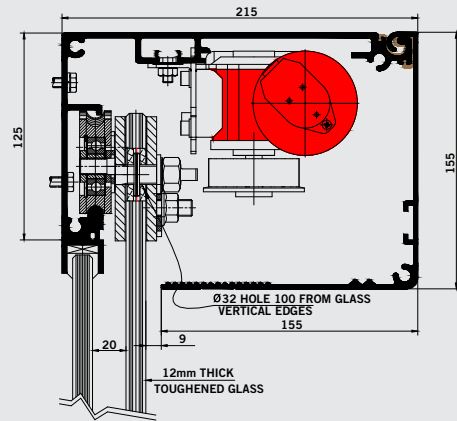
Door variants with HD 200

1



Aluminium Framed Door

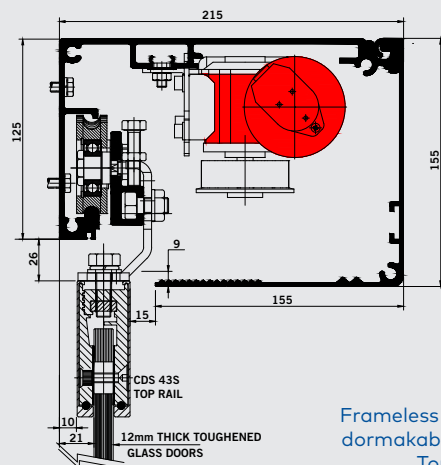
2



Note: 15 mm thick glass door optional

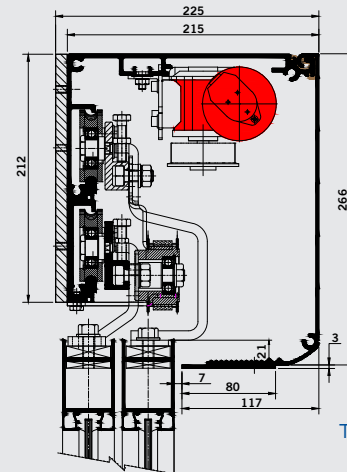
Frameless Glass Door

3



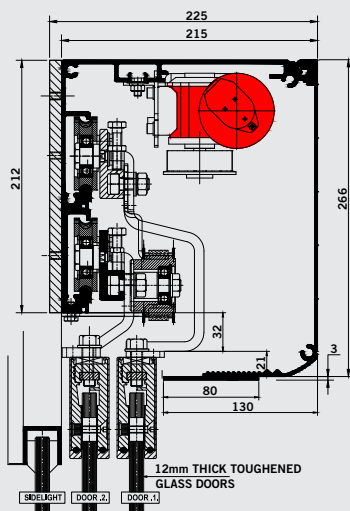
Frameless Glass with dormakaba CDS 43S Top Rail Door

4



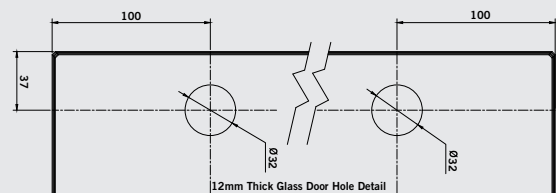
Telescopic Aluminium Door Framed

5

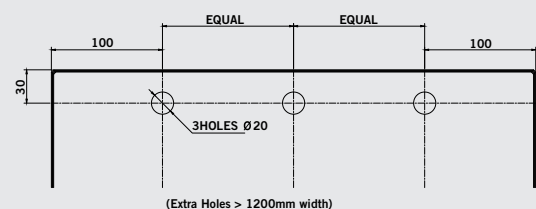


Frameless Glass with dormakaba CDS 43S Top Rail Door

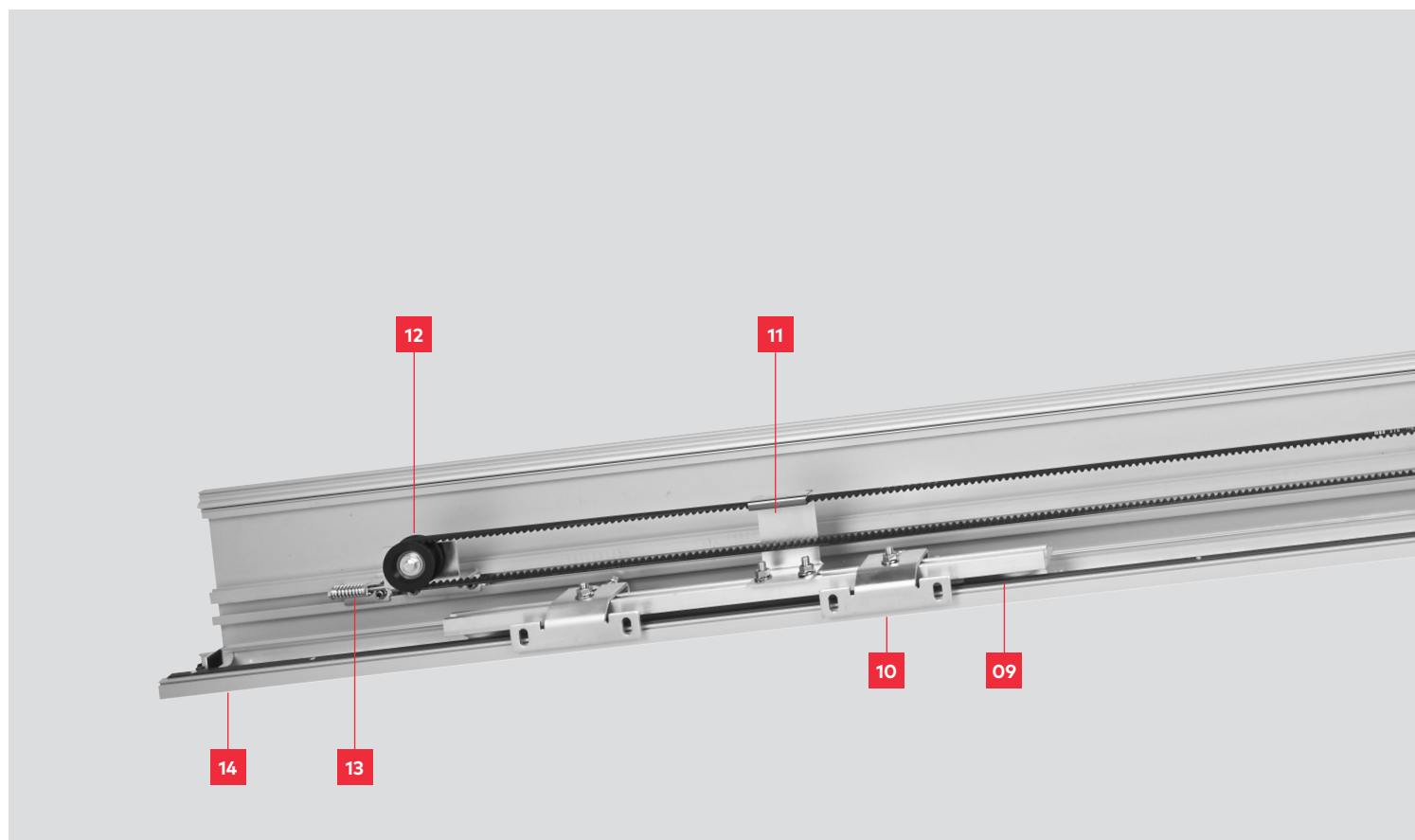
HD 200 glass preparation options (≤1200mm width shown)



12mm Thick Glass Door Hole Detail - Refer to drawing No. 2 above

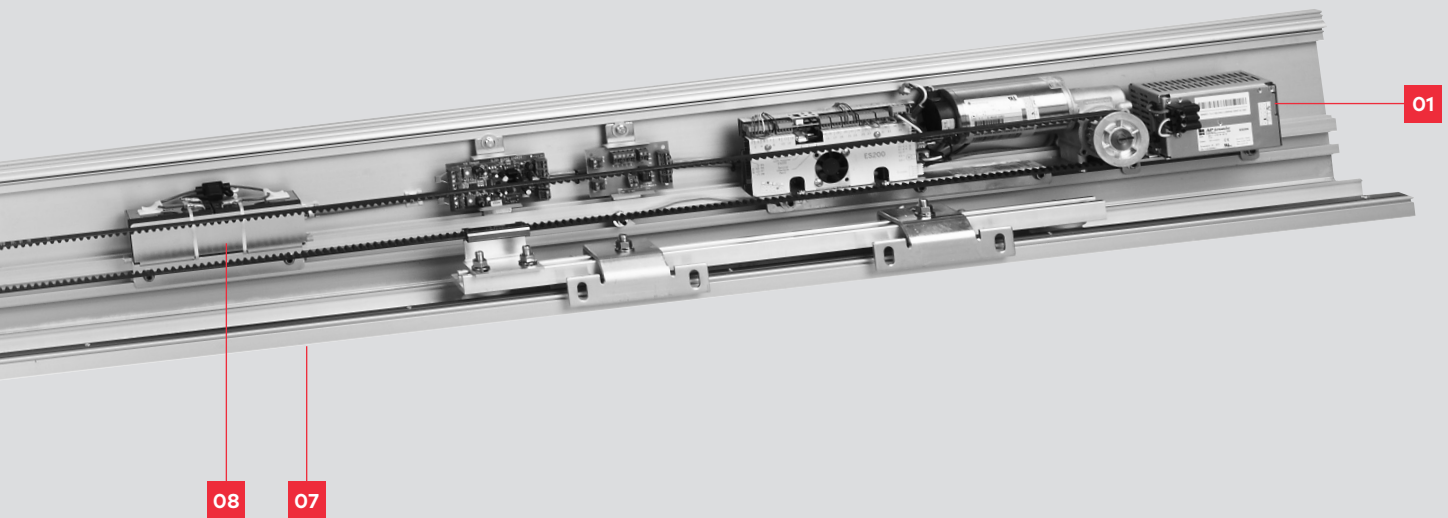


dormakaba CDS 43S Top Rail Glass Detail - Refer to drawing No. 3 above



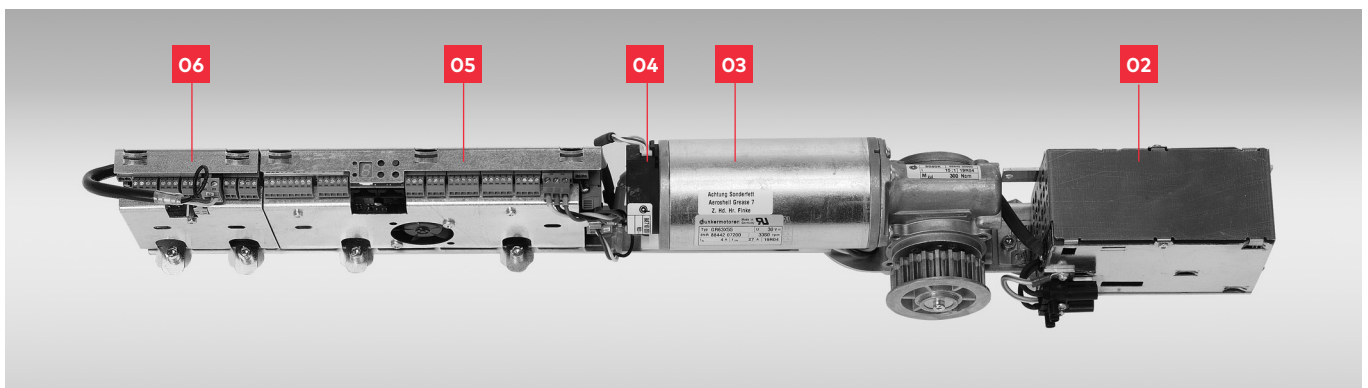
| Data parameters | HD 200 |
|--|------------------------|
| Single-panel sliding door - Clear passage width LW - Door panel weight, max. | 900-1800mm 1x200kg |
| Double-panel sliding door - Clear passage width LW - Door panel weight, max. | 1200-2800mm 2x120kg |
| Telescopic | 2x120kg 4x60kg |
| Technical data of operator | |
| Height - profile | 155mm |
| Installation depth. | 215mm |
| Opening and closing force, max. 150N | ● |
| Opening speed (incremental setting) | 10 - 70 cm/s |
| Closing speed (incremental setting) | 10 - 50 cm/s |
| Hold-open time | 0 - 180 sec. |
| Supply voltage, frequency | 230V, 50/60 Hz |
| Power consumption | 250W |
| Class of protection | IP 20 |
| Compliant with EU Low voltage directive and EMC Directive | ● |
| Manufactured to ISO 9001:2000 | ● |

| | |
|--|---------|
| Technical data of operator | |
| Modular design | ● |
| Microprocessor-controlled function programs | ● |
| - Lock | ● |
| - Automatic | ● |
| - Permanent Open | ● |
| - Half Open | ● |
| - Exit Only | ● |
| - Night/Bank Function | ● |
| Connections for | ● |
| - Fire alarm interface (FIP) | ● |
| - Security interface / Card Reader (BMS) | ● |
| Adjustment of all basic parameters via integrated display and pushbuttons | ● |
| 24V DC output for external accessory | ● |
| Read-out error memory with error codes | ● |
| Electromechanical lock | ● |
| Rechargeable battery pack for | ● |
| Functioned module (FM)-optional extra | |
| Door status - Open/Closed | ● |
| Main and secondary closing edge protection | ● |
| Panic closing function | ● |
| Bell contact | ● |
| | ● = Yes |



HD 200 Bi parting operator shown

Mini drive unit



At the core of the HD 200 is the prefabricated MiniDriveUnit.

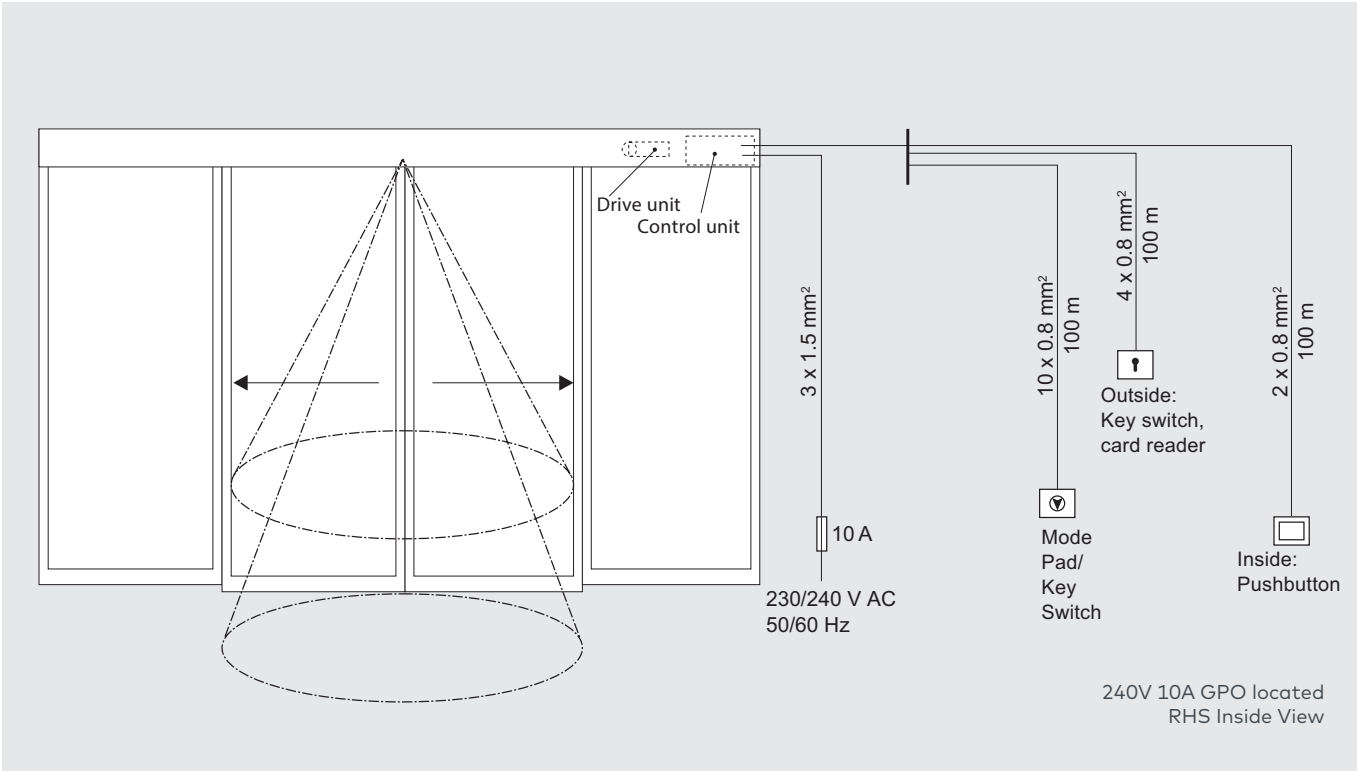
It has been independently tested by a NATA accredited facility to Australian standard AS5007 section 4.6 (Exova Warrington Fire Australia, Certificate No. 30384400.1).

Components

- | | | | |
|-----------|---------------------------------|-----------|---|
| 01 | MiniDriveUnit | 09 | Door hanger bar |
| 02 | Power supply unit | 10 | Easy fit adjustable door hanger bracket |
| 03 | Motor | 11 | Belt connection |
| 04 | Encoder | 12 | End pulley |
| 05 | Basic module (BM) | 13 | Belt tensioning device |
| 06 | Function module (FM) | 14 | End stop |
| 07 | Track rail and mounting profile | | |
| 08 | Rechargeable battery pack | | |

System accessories

Connections



Program Switch

When combining the system with a program switch out of the dormakaba accessory range, the automatic door system even meets individual requirements and offers easy handling.

These program switches are available in various designs have been conceived for all kinds of demands. Furthermore they offer various options, from a mechanical to a full-electronic version.



PK Series Security switch

Security key switch with master key cylinder and concealed fixings

| | | |
|-----|---------------------------------|---------------|
| PK1 | On / Off | 9400000007051 |
| PK2 | Open, Spring Return | 9400000007052 |
| PK3 | Auto, Lock, Open | 9400000007053 |
| PK4 | Lock, Exit, Auto, Open | 9400000007054 |
| PK5 | Lock, Exit, Auto, Open, Partial | 9400000007055 |



Wireless Mode Switch

Remote mode switch (smart range) with 50 mt range.

Functions include Lock, Auto, Open and Hold

Dimensions 115 mm W x 75 mm H.

| | |
|----------------------|---------------|
| Wireless Mode Switch | 9400000001333 |
|----------------------|---------------|

**Combined sensor IXIO-DT1**

Combined sensor featuring motion detector with direction recognition and safety presence curtain. Motion field 4mt W x 2m D, Presence safety curtain 2 mt W x 0.2 mt D

| | | |
|-----------------|--------|---------------|
| IXIO-DT1 | Black | 9400000001360 |
| | Silver | 9400000001365 |

Ceiling Installation set

Ceiling installation system for IXIO-DT1

| | | |
|----------------|-------|---------------|
| Ceiling | White | 9400000001366 |
|----------------|-------|---------------|

Rain protection cover

Rain protection cover for IXIO-DT1

| | | |
|-------------------|-------|---------------|
| Rain cover | Black | 9400000004279 |
|-------------------|-------|---------------|

Fixing bracket

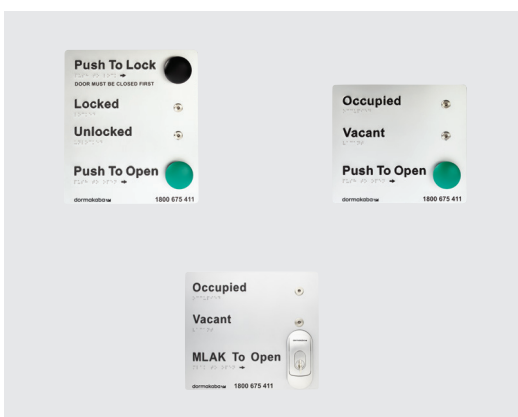
Fixing bracket for IXIO-DT1

| | | |
|-----------------------|--------|---------------|
| Fixing bracket | Black | 9400000001405 |
| | Silver | 9400000003387 |

**Magic Switch Touchless Chroma**

Contactless radar sensor, antimicrobial, concealed installation, dimensions 80 mm W x 80 mm H, adjustable detection 10-60 cm

| | |
|---------------------|----------------|
| Magic Switch | 94000000014128 |
|---------------------|----------------|

**Privacy door system kit**

Suitable for barrier free toilets, includes durable polycarbonate wall plates with braille and raised lettering

| | | |
|----------------|---------------------|----------------|
| PDS Kit | STD | 9400000001308 |
| | STD Key Entry | 94000000013393 |
| | STD Audio | 9400000004210 |
| | STD Audio Key Entry | 9400000004207 |
| | Touchless | 94000000012792 |
| | Touchless Audio | 94000000013016 |
| | Touchless Key Entry | 94000000012919 |



**Door
Hardware**



**Entrance
Systems**



**Electronic
Access & Data**



**Interior Glass
Systems**



**Lodging
Systems**



**Mechanical
Key Systems**



Safe Locks



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