



INDUSTRIAL AND
AUTOMATIC DOOR SYSTEMS

HELPING YOUR BUSINESS OPEN NEW DOORS

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AUTOMATIC SWING DOORS

DFA 127

Swing Door Operator

Smart. Silent. Strong.

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www.iaads.co.uk

INSTALLATION | REPAIRS | SERVICING | MAINTENANCE



The DFA 127 is a versatile electro-mechanical operator for swing doors, built to deliver smooth, safe, and quiet performance. Compact in design and engineered for flexibility, it meets a wide range of application needs - whether for single or double doors, and in both public and private spaces.

Engineered for peace and quiet

Designed with low-noise drive technology, the DFA 127 ensures quiet operation in noise-sensitive environments like hospitals, care homes, offices and residential buildings.

Push or pull—always dependable

Its innovative “push-and-pull” arm system enables effortless opening and closing, offering reliable performance in a wide range of environments.

Your door, our service

We keep automatic door entrances running safely and reliably, with support and tailored maintenance packages.

Features

- » Operating modes: Automatic, Hold Open, Manual, Locked, One-Way
- » Functions: Auto reverse, Push & Go, Emergency stop, double-leaf synchronised operation, Interlock
- » Cover in stainless steel (standard) or aluminium
- » Configurable in Full Power and Low Energy to meet installation requirements
- » Inverse up to 90° opening angle
- » Available for both PUSH and PULL
- » Noiseless operation thanks to optimised gear components.

Benefits

- » Universal Application
- » Modular Design for Maximum Flexibility
- » Reliable Technology with Smooth Operation
- » Integrated Safety and Comfort Features
- » Ensures easy and barrier-free access for all users

Options and Configurations

Types of operators

	Use case	Example
DFA 127 FULL POWER	High-performance applications for heavy or wind-exposed doors	Main entrance of a public building with double-leaf doors exposed to wind and frequent use
DFA 127 LOW ENERGY	Barrier-free access in quiet or sensitive environments	Corridor door in a retirement home, offering gentle and silent operation
DFA 127 INVERSE	Emergency opening with spring tension in escape direction	Office building escape route doors and heat removal systems
DFA 127 FIRE	Fire-rated doors requiring automatic closing and sequence control	Shopping mall fire doors that close reliably when triggered by the fire alarm system

Arm types



Standard arm PUSH



Sliding arm PULL



Sliding arm PULL with angled lever arm

Installation applications

Door mounted	PUSH and PULL
Lintel mounted	Single door and double door, DIN left or right PUSH and PULL
Double egress	1x PUSH arm, 1x PULL arm
Interlock	Electrically interconnected operators

Variants

Single operator	Standard length: 600mm
	Extended length: 760mm
Two operators on double door	2x single operators in standard length, with intermediate cover piece (modular cover) Min. 1,400 mm / Max. 2,800 mm
	2x operator kits, with chassis and cover profiles seamlessly mounted (full length cover) Min. 1,400 mm / Max. 2,800 mm



DFA 127 (FULL POWER)

The electro-mechanical swing door operator for all standard applications

The DFA 127 FULL POWER is universal swing door operator and the powerhouse of the swing door family. It features a compact design and extremely quiet operation, built with proven, robust, and durable technology. With an on-site adjustable spring force, it supports a range of door sizes from EN 4 to EN 6. The operator offers great flexibility, allowing customers to easily modify door functions on-site to meet specific local needs and conditions. Its sophisticated technology and integrated controller enable complex functionality and deliver optimal power throughout the entire swing area, making it ideal for multiple applications.

Especially suitable for use in:

Retail outlets

Airports

Administration and office buildings

Restaurants and hotels

DFA 127 (LOW ENERGY)

The gentle swing door operator when caution is required

The DFA 127 LOW ENERGY is the ideal choice for environments where individuals move slowly or have limited reaction capacity. With kinetic energy limited to just 1.6 joules, it ensures additional safety in the swing area. Its smooth and gentle motion reduces hesitation for slow-reacting users, while its virtually silent operation helps maintain a peaceful atmosphere in living spaces. The door opens automatically and closes again slowly with spring force, after a pre-programmed delay, offering both convenience and safety.

Especially suitable for use in:

Homes for the elderly, disabled people and in nursing homes.

Hospitals, clinics and retirement homes.

Private homes and apartments.



One operator. Four solutions. Infinite flexibility.

DFA 127 (INVERSE)

The swing door operator that functions during power failures

The DFA 127 INVERSE is designed to open doors securely and reliably even in the event of a power outage. It stores the necessary opening energy mechanically using a spring during the motor-driven closing cycle. In emergencies such as power failure or smoke formation, its reverse function ensures access to escape and rescue routes by opening the door using spring force alone. Ideal for large buildings, the system can also assist in directing fresh air or extracting smoke and heat. Based on the same proven technology, design, and software as the DFA 127 FP and LE models, the DFA 127 IN reveals its full potential in crisis situations - automatically opening when other doors remain closed.

Especially suitable for use in:

Escape route openings.

Securing escape routes for people.

Smoke and heat extraction systems.

For large buildings such as clinics, theatres, congress centers etc. as an emergency access and heat extraction system.

DFA 127 (FIRE)

The certified fire protection swing door operator

The DFA 127 FIRE is specially approved for use on a fire and smoke protection door. In the event of a fire, it responds immediately to signals from a fire alarm or smoke and heat detection system, triggering the door to close using spring force. The integrated SFR 127 mechanical sequential closing control also allows safe use in double-leaf fire doors. Its compact design incorporates optional built-in fire protection components, and the system can be linked to on-site fire alarm system. Additionally, it offers its own control module with ports for connecting smoke and heat detectors and is compatible with various fire door profile systems.

Especially suitable for use in:

Fire and smoke protection barriers.

DFA 127 F vs. DFA 127 standard:

Spring has higher quality to fulfil 2M cycle tests.

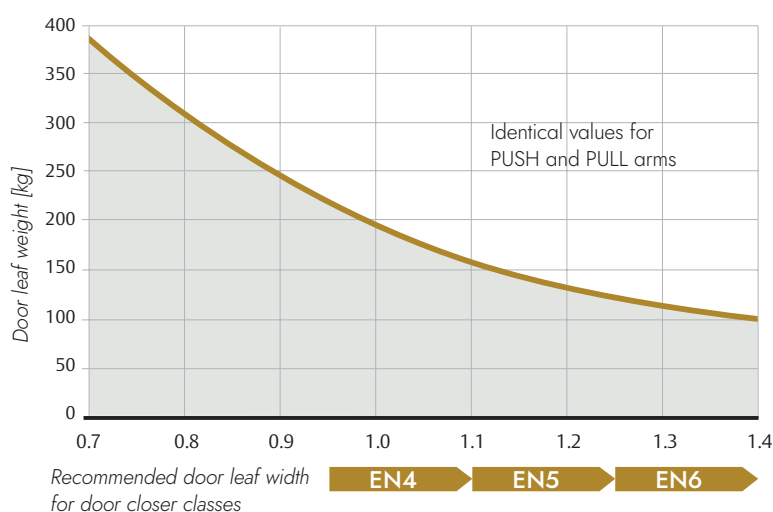
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Technical data and specifications

Technical data

Dimensions (W x H x D)	600 x 85 x 124
Power supply voltage	230 VAC, 50/60 Hz
Rated power	67 W
Consumption in standby mode	13 W
External locking accessories	24 VDC, 1000 mA
Max. inertia PUSH / PULL	65 [kgm ²]
Max. torque	50 Nm
Door closer size (EU)	EN 4 - 6
Door leaf width	700 -1400 mm
Noise during operation	< 45 dB
Operator weight	11.7 kg
Protection class	IP20
Temperature range	-15 to +50° C
Humidity range	Max. 85%, non condensing
Opening angle	70° - 115°
Program time to OPEN	3 to 20 sec (40 steps)
Program time to CLOSE	5 to 20 sec (40 steps)
Hold open time	0 to 60 sec (40 steps)

Door Leaf Weights



Accessories

Battery back up

Power for the operator in the event of a mains failure.

- Up to 800 operation cycles or 24 hours hold-open time.
- Continuously open on mains failure.
- Beeps every 2 seconds when the power fails.
- Plug & Play installation.

Touchless switches

For areas with more stringent hygiene requirements.

BLS 60

- Gesture control for automatic doors in sanitary areas and residential care homes.
- Helps reduce the spread of germs and supports users with limited mobility.

BLS 80

- Surface-mounted socket or flush-mounted installation.

Control panel

BDE-D

- Diagnostics and easy menu navigation with clear text on a backlit display.
- Quick adjustments to door speed, opening width and hold-open time.



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YOUR DOORS. OUR EXPERTISE.

Industrial and Automatic Door Systems supplies, installs, repairs and maintains automatic and industrial door systems across Hampshire and the South.

With years of industry experience, we support commercial and industrial customers with practical advice, installation, commissioning and ongoing maintenance.

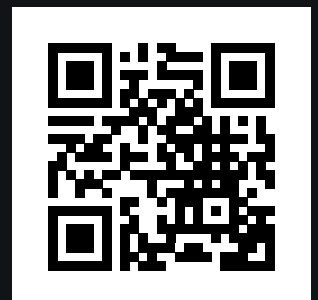
DISCUSS YOUR DFA 127 REQUIREMENTS

Contact us to arrange a survey, discuss the right operator configuration, or request a quotation for installation or maintenance.

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