## flexiforce ${ }^{\text {a }}$



## DOOR AUTOMATION SELECTION

 PRICES 2019-Q1

## AUTOMATION SELECTION

With over 10 years of experience in door automation, FlexiForce is now introducing a complete update to the range of drives. In recent years we have listened to the wishes and requirements of our customers throughout Europe, and as a result we have now become experts in the different kinds of drives. We have selected a range of products from the best suppliers, which has resulted in the best solution for every application and price level. This has now allowed us to offer a full portfolio of high-quality products for almost all applicable standards.

Our new range comprises:

- LiftMaster Evolution for garage doors.
- LiftMaster LM3800 for large garage doors and small industrial doors.
- Force for industrial doors. By-Gaposa. 70 Nm and 140 Nm , single-phase with deadman and automated control.
- Frequenz for industrial doors: Single-phase, intelligent, industrial drive with self-learning control and integrated safety systems.
- GfA for industrial doors: Market-leader in quality and quantity. 90 Nm and 140 Nm drives.

LIFTMASTER LM3800



Over the last years, our door drives have become a significant part of FlexiForce's business. An ever-increasing number of customers value the company's service based on the one-stop-shop principle, in which hardware, drives and panels are provided by just one supplier. The total cost reductions achieved by this approach are very interesting.

With this updated automation range, FlexiForce is now able to offer you the best solution for door automation. Call us now for a personal introduction!

## LIFTMASTER EVOLUTION

It has been more than 10 years since we first offered the LiftMaster range in Europe. This proved to us that we've chosen the right supplier from the beginning. Customers appreciate LiftMaster Evolution for being advanced, stylish, durable and extremely reliable.

The nice product design of the Evolution door openers has also been implemented to the wide range of safety and convenience accessories.

LiftMaster and FlexiForce now introduce three new models to you: The one box packaging principle is now available in a new 500 N door opener as well as in two new 700 N openers. The logistic advantages and cost reductions of one-box are clear. FlexiForce can see a trend towards greater connectivity and so we have put together a product that contains My as a standard feature. This means plenty of potential for upgrades!


## Our LiftMaster selection:

## LM50EVFF

500 N , belt drive
Security+ 2.0 radio technology
$100 \mathrm{~mm} / \mathrm{sec}$
$2 \times 4$ channel TX4EVF (New)
3 -piece rail for max 2.3 m OPH
Not My compatible

## LM70EVFF

700 N , belt drive
Security+ 2.0 radio technology
$160 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New)
My enabled
Partially opening
Automatic close
Holiday mode
Connections for: IR sensor, key switch and Flashing light
3-piece rail for max 2.5 m OPH

## LM 70EVFFC

700 N , belt drive
Security+ 2.0 radio technology
$160 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New)
My enabled
Partially opening
Automatic close
Holiday mode
Connections for: IR sensor, key switch
and Flashing light
3-piece rail for max 2.5 m OPH
828EV internet gateway included
771 EV fail-safe infra-red sensors included


MyQ connectivity allows you to control the operator from wherever via the Internet. This "know more, worry less" innovative development offers the opportunity of always stand out with the latest upgrades and updates.

## LM55EVO

600 N , belt drive 6-band radio $100 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New)
Not MyQ compatible

## LM60EVO

650 N , belt drive
7-band radio
$160 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New)
MyQ compatible

## LM80EVO

800 N , belt drive
7-band radio
$200 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New)
Wireless wall control
MyQ compatible

LM100EVO
1000N, belt drive
7-band radio
$200 \mathrm{~mm} / \mathrm{sec}$
0.8 W standby power
$2 \times 4$-channel TX4EVF (New) Wireless wall control

MyQ compatible

LM130EVO
1300N, belt drive
7-band radio
$130 \mathrm{~mm} / \mathrm{sec}$
0.8 W stand by power
$2 \times 4$-channel TX4EVF (New)
Wireless wall control
IR-Photocell kit 771EVK
MyQ compatible


## FORCE70 BY GAPOSA

Our range of mono-phase operators from Gaposa is suitable for most overhead doors. A basic drive with a robust and reliable motor. These units have been developed in collaboration with our supplier: Gaposa. A high-quality Italian manufacturer of operators that specialises in mono-phase drives.

Our selection starts with a simple switch operation, which can open automatically. The force70AC3 can be used for a fully automated door. It is available in two variants: with rapid de-clutching or a chain hoist that de-clutches the motor from the shaft in case of a power cut or for maintenance.

These operators have mechanical end limit adjustment. Our force70AC3 is connected to a 3-button control panel, with connectors for basic functionality.

This has resulted in a range of high-quality motors to suit any situation and every budget.

force70BS

force70AC3

Our Force (by Gaposa) selection:

|  | force70BS |
| :---: | :---: |
| Operator model | SZX70MCM |
| Control unit model | Switch |
| Torque ( Nm ) | 70 Nm |
| Output speed | 21 rpm |
| Shaft diameter | 25.4 mm |
| Holding torque ( Nm ) | 450 Nm |
| Max door weight ( Kg ) | 350 kg |
| Power (kW) | 0.50 kW |
| Voltage (Volt) | 230 V |
| Operating frequency ( Hz ) | 50 Hz |
| Operating current ( A ) | 2.20 A |
| Working temperature ( ${ }^{\circ} \mathrm{C}$ ) | $-5^{\circ} \mathrm{C} /+40^{\circ} \mathrm{C}$ |
| Max. cycles per hour | $12 / \mathrm{hr}$ |
| Declutch | Quick release |
| Limits | Mechanical |
| Motor cable length | 5m |


| force70AC3 | force70AC3-XC |
| :---: | :---: |
| SZX70MCM | SZX70MCM |
| QC101 | QC101 |
| 70 Nm | 70 Nm |
| 21 rpm | 21 rpm |
| 25.4 mm | 25.4 mm |
| 450 Nm | 450 Nm |
| 350 kg | 350 kg |
| 0.50 kW | 0.50 kW |
| 230 V | 230 V |
| 50 Hz | 50 Hz |
| 2.20 A | 2.20 A |
| $-5^{\circ} \mathrm{C} /+40^{\circ} \mathrm{C}$ | $-5^{\circ} \mathrm{C} /+40^{\circ} \mathrm{C}$ |
| $12 / \mathrm{hr}$ | $12 / \mathrm{hr}$ |
| Quick release | Chain hoist |
| Mechanical | Mechanical |
| 7m | 7 m |



## FREQUENZ

There can only be one good reason to introduce a new product in an already saturated industrial door openers market: Being convinced that this product offers unique new advantages that allow door companies and maintenance companies to improve their business. We are indeed convinced that Frequent deserves a place in the market.

## Why?

- Made in Germany, top quality through material selection and design.
- Two versions: 100 Nm for doors up to $28 \mathrm{~m}^{2}$ and 140 Nm for doors up to $48 \mathrm{~m}^{2}$.
- Frequency convertor (FU) as standard feature: Always the proper door speed at the right time. Including of course soft-start and soft-stop mode.
- Digital limit switches, easy to set-up in the control system.
- Self-learning force sensing! Approved by TÜV and meeting all CE-demands. The opener learns which force is needed and it recognizes when it meets an obstacle. This means that no additional safety edge system is required. Ultimate safety and a clear cost saving for the installer.
- Manual override hand-chain.
- 230 V power supply.

Frequent is universal which features only 2 models, with which you can operate almost any installed industrial door.
You can decrease stock in drives!



## GfA

By adding GfA drives into our range, we are now able to offer a selection of the highest quality drives made in Europe. GfA is the European market-leader in drive technology, with a solution for every door configuration.

Based on our combined experience, we have put together a selection of drives and control units that comply with the highest quality standards. The results are a 90 Nm and a 140Nm drive, combined with a high tech control unit TS 970 or TS 971.

This selection marks the beginning of a collaboration with GfA that allows us to offer our customers a complete and high-quality range of products.


Our GA selection:



SE 9.24 ER


SE 9.24 SK



TS 970 | TS 971

This price list presents our full range of door automation products. FlexiForce is ready to be your best supplier in door automation and access control. We provide you the opportunity for a simple and efficient supply chain: One-stop-shop for hardware, automation and in some regions also panels. The two strong product families in automation are:

- Liftmaster Evolution residential (garage) door openers: premium, stylish and state-of-art technology. Powering from 500N, 600N, 800 N up to 1000 N . Silent operation, "green" energy use and an unbeaten performance reliability. Optionally connected to the internet via MyQ.
- Force smart industrial door automation. Force translates state-of-art technology into simple, intuitive use by people. The forceIQ control system is universal for force70, force100 and force140 industrial door openers and connects to a wide range of connected accessories.

These two lines are conveniently completed with access control, safety and security accessories that allow you to offer your customers the full package. The price list is divided in clear chapters, where you will find article code, a picture of the product, summary description, list price, weight and full package quantities. All you need to know for ordering from your nearest FlexiForce distribution centre. Find updates, details, drawings, movies and more per product on www.flexiforce.com (select catalogue) or on webshop.flexiforce.com.

## Term and conditions

All our quotations, all orders placed and all contracts are subject to the "Metaalunie Conditions" which can be found on our website. Our prices are:

- $\quad$ valid for orders from 04-02-2019
- based on payment within 30 days net.
- ex-warehouse FlexiForce: Netherlands, Hungary, Spain, Italy, Poland, Turkey
- including packaging
- $\quad$ gross (list), excluding V.A.T.
- in euro
- free of obligation, non-binding and subject to change with our prior notice.

Orders with a value of less than 250 euro and rush orders could be charged with additional handling fees. FlexiForce can offer you third party freight rates and services on request. Find our terms, conditions and disclaimers on www.flexiforce.com.


| Automation | 2 |
| :---: | :---: |
| 100041 | 2 |
| 1034-OSE | 2 |
| 1034-WPDS | 2 |
| 128EVO | 2 |
| 16200LM | 2 |
| 1702EVO | 2 |
| 300PB | 2 |
| 747EVO | 2 |
| 75EVO | 2 |
| 770E | 2 |
| 773E | 2 |
| 78EVO | 3 |
| 810-840CR5 | 3 |
| 828EVO | 3 |
| 829EVO | 3 |
| 860EVO | 3 |
| 924WLKIT | 3 |
| 9700V | 3 |
| 9700W | 3 |
| DWACC | 3 |
| DWGK11 | 3 |
| F70AC3-TX | 3 |
| FLA1-LED | 4 |
| force668LM | 4 |
| force70 | 4 |
| forceCBL | 4 |
| forceLC2 | 4 |
| forceOSE | 4 |
| forcePSE | 4 |
| forceRX4 | 4 |
| forceTL | 4 |
| forceTX4 | 4 |
| GFA-CB | 5 |
| GFA-OSE | 5 |
| GFA-PART4555 | 5 |
| GFA-PART4615 | 5 |
| GFA-PART4616 | 5 |
| GFA-PART4679 | 5 |
| GFA-PART4789 | 5 |
| GFA-PART5132 | 5 |
| GFA-PSE | 5 |
| GFA-RX4 | 5 |
| GFA-TX4 | 5 |
| Herkules2E | 6 |
| Industrial, force | 6 |
| LED | 6 |
| LED-BAR-R | 6 |
| LM100EVO | 6 |
| LM3800 | 6 |
| LM50EVO | 6 |
| LM60EVO | 6 |
| LM70EVFF | 7 |
| LM80EVO | 7 |
| NICE | 7 |
| OSE-111 | 7 |
| OSE-A-0002 | 7 |


| OSE-IR | 7 |
| :--- | :--- |
| OSE-KIT-BS | 7 |
| OSE-LAD1 | 7 |
| OSE-LAD2 | 7 |
| OSE-MAS-1 | 8 |
| OSE-MAS-E | 8 |
| OSE-MPDS | 8 |
| OSE-PDSK-IND | 8 |
| OSE-PDSK-RES | 8 |
| OSE-SCB1 | 8 |
| OSE-SIGNAL-LP | 8 |
| OSE-WL-KIT | 8 |
| REGLOBEAM | 8 |
| SDL-NB-HKE | 8 |
| SDL-NB-HKENG | 8 |
| SE140-TS971 | 9 |
| SE90-TS970 | 9 |
| SE90-TS971 | 9 |
| SE90E-TS970 | 9 |
| SE90E-TS971 | 9 |
| TOF-BRACKET | 9 |
| TOF-MARKER-R | 9 |
| TOF-SPOT | 9 |
| TX4UNIF | 9 |7778-9

## Automation



## Automation



## Automation



## Automation



## Automation



| 5 | LM100EVO23 | Garage door opener | $€ 431.52$ | piece (1) | 1 | 23kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1000N, 24DC, incl. 2 remote controls, push button |  |  |  |  |
|  | LM100EVO23K | 1000N, 24DC, incl. 2 remote controls, push button | € 438.43 | piece (1) | 1 | 23kg |
|  | LM100EVO25 | 1000N, 24DC, incl. 2 remote controls, push button | € 435.84 | piece (1) | 1 | 23kg |
|  | LM100EVO30 | 1000N, 24DC, incl. 2 remote controls, push button | € 440.16 | piece (1) | 1 | 23kg |
|  | LM130EVO23 | 1300 N, incl. 2 remote controls, push button | $€ 569.44$ | piece (1) | 1 | 19kg |
|  | LM130EVO23K | 1300N, incl. 2 remote controls, push button | $€ 576.35$ | piece (1) | 1 | 20kg |
|  | LM130EVO25 | 1300 N, incl. 2 remote controls, push button | $€ 573.76$ | piece (1) | 1 | 19kg |
|  | LM130EVO30 | 1300N, incl. 2 remote controls, push button | € 578.08 | piece (1) | 1 | 20kg |
| Tom | LM3800 | Operator <br> shaft type, 1 ", doors h<4,5m, NL | $€ 398.00$ | piece (1) | 1 | 12,5kg |


| LM50EVFF | Garage door opener | $€ 179.00$ piece (1) | 1 | 10kg |
| :---: | :---: | :---: | :---: | :---: |
| $\square 06$ | 500 N , belt drive, variable speed; max $100 \mathrm{~mm} / \mathrm{sec}$, incl. 2 remote controls |  |  |  |
| LM50EVO | 500 N, incl. 2 remote controls, DC | $€ 173.50$ piece (1) | 1 | 10kg |
| LM55EVO23 | 600N, 24DC, incl. 2 remote controls, | € 221.52 piece (1) | 1 | 17kg |
| LM55EVO23K | 600N, 24DC, incl. 2 remote controls, | € 228.43 piece (1) | 1 | 18kg |
| LM60EVO23 | Garage door opener 650N, 24DC, incl. 2 remote controls | € 283.52 piece (1) | 1 | 20 kg |

## Automation

|  | article <br> LM60EVO23K | description <br> $650 \mathrm{~N}, 24 \mathrm{DC}$, incl. 2 remote controls | price units$\boldsymbol{€} \mathbf{2 9 0 . 4 3}$ piece $(1)$ |  | full | $\begin{gathered} \text { kg/unit } \\ 20 \mathrm{~kg} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | LM60EVO25 | $650 \mathrm{~N}, 24 \mathrm{DC}$, incl. 2 remote controls | $€ 287.84$ | piece (1) | 1 | 20,5kg |
|  | LM60EVO30 | $650 \mathrm{~N}, 24 \mathrm{DC}$, incl. 2 remote controls | $€ 292.16$ | piece (1) | 1 | 21 kg |
| $0$ | LM70EVFF | <p>Garage door opener</p> | $€ 270.00$ | piece (1) | 1 | No |
|  |  | <p>700N, belt drive, variable speed; max $160 \mathrm{~mm} / \mathrm{sec}$, incl. 2 remote controls, MyQ enabled</p> |  |  |  |  |
|  | LM70EVFFC | <p>700N, belt drive, variable speed; max 160mm/se, 3760.00enpodeepth)rols, MyQ enabledAlp> |  |  |  |  |
|  | LM80EVO23 | Garage door opener | $€ 367.52$ | piece (1) | 1 | 20 kg |
|  |  | 800N, 24DC, incl. 2 remote controls, push button |  |  |  |  |
|  | LM80EVO23K | 800N, 24DC, incl. 2 remote controls, push button | $€ 374.43$ | piece (1) | 1 | 20 kg |
|  | LM80EVO25 | 800N, 24DC, incl. 2 remote controls, push button | $€ 371.84$ | piece (1) | 1 | 21 kg |
|  | LM80EVO30 | 800N, 24DC, incl. 2 remote controls, push button | $€ 376.16$ | piece (1) | 1 | 21,5kg |
|  | NICE100XC | Operator | $€ 660.74$ | piece (1) | 1 | 17,4kg |
| , $0^{\circ}$ |  | NICE, Kit, 100Nm, $24 \mathrm{rpm}, 3 \times 230 \mathrm{~V} / 400 \mathrm{~V}, 50 \mathrm{~Hz}$ |  |  |  |  |
|  | NICE140XC | NICE, kit, $140 \mathrm{Nm}, 20 \mathrm{rpm}, 3 \times 230 \mathrm{~V} / 400 \mathrm{~V}, 50 \mathrm{~Hz}$ | € 821.10 | piece (1) | 1 | 25,3kg |
|  | NICE70XC | NICE, kit, $70 \mathrm{Nm}, 20 \mathrm{rpm}, 1 \times 230 \mathrm{~V}, 50 \mathrm{~Hz}$ | € 660.74 | piece (1) | 1 | 18,6kg |
|  | OSE-1113704 | Spiral cable | € 16.22 | piece (1) | 1 | 0,23kg |
|  |  | 5-pol, factor 4, 750 mm |  |  |  |  |
|  | OSE-1113926 | 5 pole, spiral 1000 mm .factor 4 | $€ 21.31$ | piece (1) | 1 | 0,25kg |
|  | OSE-A-0002 | from 22 to 12 mm | $€ 2.61$ | piece (1) | 1 | 0,012kg |
|  | OSE-IR | set, universal, incl. 15 m wire | $€ 66.96$ | set (1) | 1 | 0,9kg |
| $0$ | OSE-KIT-BS | parts for safety edge | $€ 44.98$ | set (1) | 1 | 0,43kg |
|  | OSE-LAD1 | small, for wiring of safety edge | $€ 9.24$ | piece (1) | 1 | 0,032kg |
|  | OSE-LAD2 | Junction box for 4 or 5 core coil cord | € 17.94 | piece (1) | 1 | 0,082kg |

## Automation

|  | article | description | price | units | full | kg/unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OSE-MAS-1 | Bumper <br> for safety edge protection | € 2.38 | piece (1) | 1 | 0,039kg |
|  | OSE-MAS-E | Bumper <br> plug-in module for OSE-MAS-1 | $€ 0.24$ | piece (1) | 1 | 0,004kg |
| $\gtrsim$ | OSE-MPDS | Switch <br> pass door protection, magnetic | $€ 11.51$ | piece (1) | 1 | 0,073kg |
| $\sigma \odot 0$ | OSE-PDSK-IND | Kit <br> pass door switch IND, complete, magnetic | $€ 59.00$ | set (1) | 1 | 0,5kg |
|  | OSE-PDSK-RES | Kit <br> pass door switch RES, | $€ 62.20$ | set (1) | 1 | 0,5kg |
| $N$ | OSE-SCB1 | Bracket guide for spiral cord | $€ 4.18$ | piece (1) | 1 | 0,12kg |
| $\square$ | OSE-SIGNAL-LP | Optosensor set for bottom profile | $€ 36.90$ | set (1) | 1 | 0,06kg |
|  | OSE-WL-KIT | Wireless system for safety edge RX and TX | $€ 150.55$ | set (1) | 1 | 0,55kg |
|  | REGLOBEAM | Remote control programmer for Herkules 2 | $€ 51.00$ | piece (1) | 1 | No |
|  | SDL-NB-HKE | Hand chain | $€ 2.22$ | Meters (1) | 10 | 0,5kg |
| - |  | $\mathrm{A} 4 \times 16$ |  |  |  |  |
| $6$ | SDL-NB-HKENG | Chain link for SDL-NB-HKE chain | $€ 1.50$ | piece (1) | 1 | 0,20kg |

## Automation

|  | article | description | price | units | full | kg/unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SE140-TS971 | GfA operator | € 0.00 | piece (1) | 1 | 17kg |
|  |  | 140 Nm , 21 rpm , chain release, $3 \times 230 / 400 \mathrm{~V}$ |  |  |  |  |
|  | SE90-TS970 | GfA operator | $€ 0.00$ | piece (1) | 1 | 17kg |
|  |  | 90 Nm , 24rpm, chain release, $3 \times 230 / 400 \mathrm{~V}$ |  |  |  |  |
|  | SE90-TS971 | GfA operator | $€ 0.00$ | piece (1) | 1 | 17kg |
|  |  | 90 Nm , 24rpm, chain release, $3 \times 230 / 400 \mathrm{~V}$ |  |  |  |  |
| $\stackrel{n}{9 x}$ | SE90E-TS970 | GfA operator | $€ 0.00$ | piece (1) | 1 | 17kg |
|  |  | $90 \mathrm{Nm}, 24 \mathrm{rpm}$, quick release, $3 \times 230 / 400 \mathrm{~V}$ |  |  |  |  |
| $\operatorname{rin}^{5}$ | SE90E-TS971 | GfA operator | $€ 0.00$ | piece (1) | 1 | 17kg |
|  |  | $90 \mathrm{Nm}, 24 \mathrm{rpm}$, quick release, $3 \times 230 / 400 \mathrm{~V}$ |  |  |  |  |
|  | TOF-BRACKET | Mounting bracket for TOF-SPOT with easy positioning | $€ 41.64$ | piece (1) | 1 | No |
|  | TOF-MARKER-R | Floor marker <br> for detection spot of TOF-SPOT | $€ 8.75$ | piece (1) | 1 | No |
|  | TOF-SPOT | Detection sensor with exact detection range setting $0,2 \mathrm{~m}-6 \mathrm{~m}$ | $€ 103.50$ | piece (1) | 1 | No |
|  | TX4UNIF | Hand transmitter | $€ 54.00$ | piece (1) | 1 | 0,02kg |
| - |  | 4 channel, Evolution |  |  |  |  |

## WHERE TO FIND US

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A total overview of all our automation selection products, including technical details and actual prices can be found in our new online catalogue: www.flexiforce.com



## FLEXIFORCE AUTOMATION SELECTION

With more than 10 years of experience in automation for overhead doors, FlexiForce now introduces a completely renewed range of solutions for residential and industrial doors. We have listened carefully to the needs of our customers in Europe and we have become experts in all aspects of door automation.

This results in our AUTOMATION SELECTION, with which we can offer the best products from the best suppliers.

Suitable for specific applications, for different budgets and for different levels of convenience and safety.


