Beverage industry

Process reliability with maximum convenience





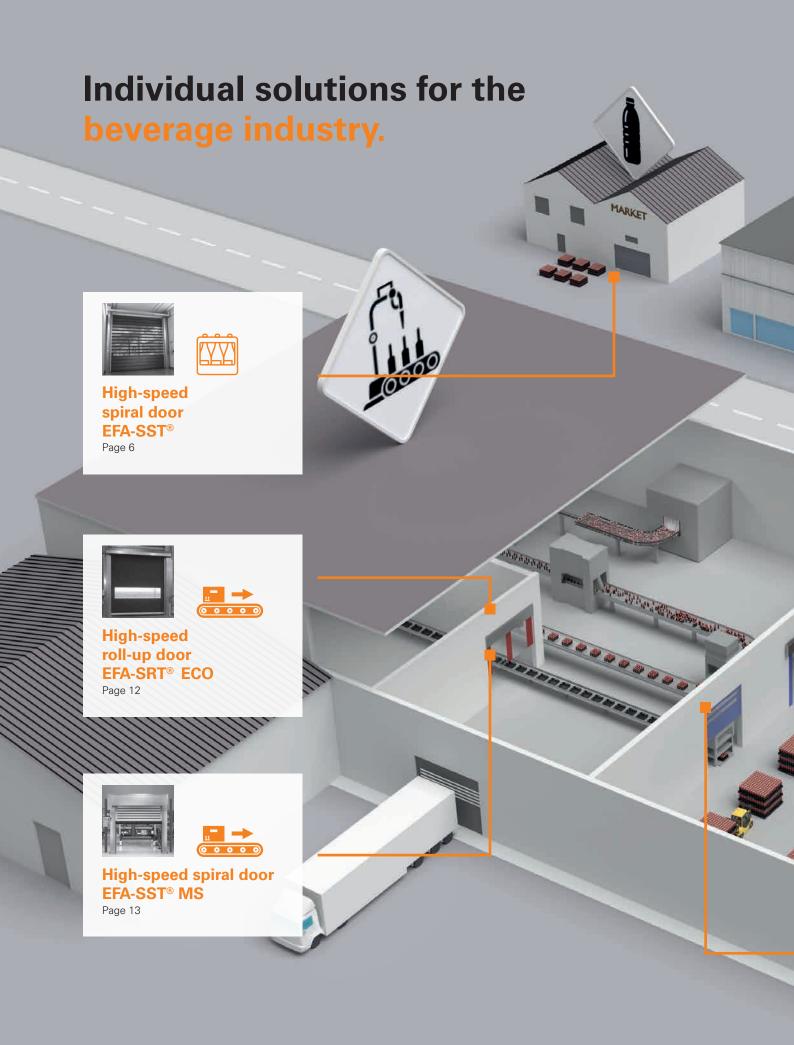


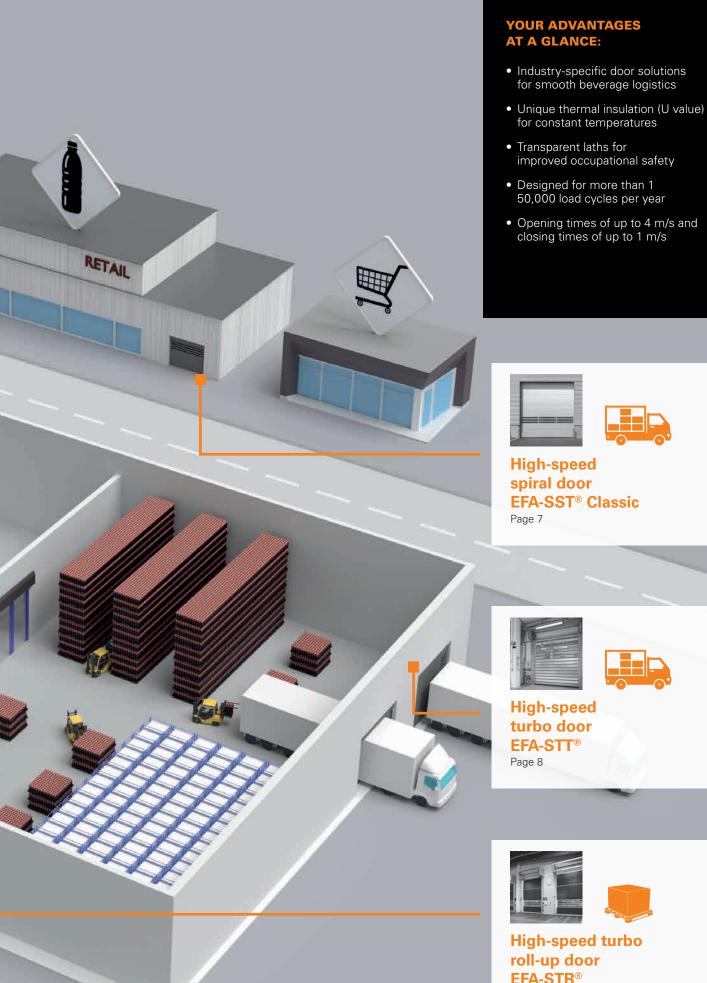
Beverage industry

High handling capacities, precise processes and short time-to-market are essential in the beverage industry. High-speed doors from EFAFLEX for the beverage industry impress with their combination of minimal running noise, excellent insulation and high opening and closing speeds. This improves and fast-tracks work processes. In addition smart forefield-control will significantly improve safety.

Short keep-open times ensure the constant temperatures in production and storage rooms, which are of the utmost importance in the beverage industry. In addition, special machine safety doors protect plant and people and are perfect for integration almost anywhere thanks to their space-saving, compact design.







High-speed turbo door EFA-STT[®]



High-speed turbo roll-up door **EFA-STR®** Page 9



EFA-SST® AT A GLANCE:

- Max. heat insulation with EFA-THERM[®] laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to w=10,000 mm, h=12,000 mm

Spiral door technology in perfection. EFA-SST®

The EFA-SST[®] high-speed spiral door represents a modern generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

Everything revolves around. EFA-SST[®] Classic

Copied a thousand times, yet still unequalled. The tried and tested fundamental principle of EFAFLEX high-speed spiral doors remains unbeatable! The door blade is not rolled up on a shaft, but is guided into the EFAFLEX spiral instead, saving space and operating virtually wear free.

EFA-SST® CLASSIC AT A GLANCE:

- Aluminium laths double-walled
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to w=8,000 mm, h=7,000 mm





EFA-STT[®] AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Opening speed up to 3.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p.a.
- Also available in low-header design
- Standard sizes of up to w=8,000 mm, h=7,800 mm

The transparent turbo door. EFA-STT®

Thanks to laths made of crystal-clear acrylic glass, the door leaf of the EFA-STT® is over 70 percent transparent – this makes it a unique high-speed door worldwide: robust and yet almost completely see-through. The ability to see through the door offers advantages where two-way traffic occurs: Accidents are prevented and smooth transport operations are guaranteed.

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The fastest vertically opening door. EFA-STR®

The high-speed turbo roll-up door EFA-STR® opens at an incredible speed of up to 4 m/s thanks to its spiral technology, making it our fastest vertically opening door. With the EFA-STR®, your logistic processes become faster and more efficient. The combination of a spiral door leaf support and flexible curtain ensures an optimal traffic flow.

EFA-STR® AT A GLANCE:

- Opening speed up to 4.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=7,000 mm, h=6,000 mm



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For more information about our solutions for the beverage industry visit: www.efaflex.com/beverage-industry

NAME

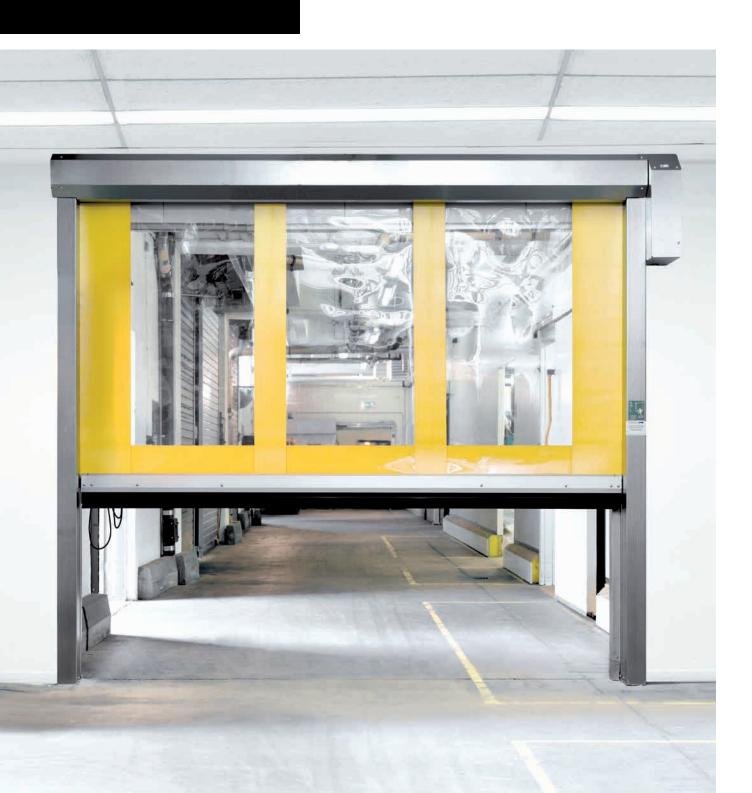


EFA-SRT® ECO AT A GLANCE:

- Ideal for material-handling technology
- Space-saving design
- Excellent price-performance ratio
- With optional crash protection
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=7,000 mm

The economical interior door. EFA-SRT® ECO

The EFA-SRT[®] ECO roll-up door is an extremely economical door system. Special structural preparations are not necessary due to the space-saving design, for example, its very slim side door frames. Thus, the EFA-SRT[®] ECO can be applied in more situations than any other roll-up door.





Machine protection door for the industry. EFA-SST[®] MS

The EFA-SST[®] MS high-speed spiral door has been specially developed for industrial applications, as stand-alone separating safety guard that fulfils all requirements for a safe and modern machine protection door. We are the only manufacturer of industrial doors to also implement our spiral technology and the flexible hinge chain for optimum performance in our machine protection doors.

EFA-SST® MS AT A GLANCE:

- Functional safety performance level »d«
- Opening speed up to 2.7 m/s
- Compact extruded aluminium laths
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle of 12 years
- Standard sizes of up to w=3,000 mm, h=3,000 mm

Technical details High-speed spiral doors

		Premium				
	Size	L	S	ÜS	XL	XXL
Application	Interior door	•	•	•	•	•
	Lock-up doors	•	•	•	•	•
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 - 4	2 - 4	0 - 2	2 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	3	3	3	3	1
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3
Direct airborne sound insulation R _w *	in dB according to DIN EN 717-1	24	25	26	26	26
U value maximum*	in W/m²K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000
	Height H max.	5,000	6,000	8,000	6,600	12,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5
Average speed, approx.*	Opening in m/s	2	1.2	1	0.8	0.5
	Closing in m/s	-	0.6	_	_	_
	Closing by door light grid EFA-TLG® in m/s	1	1	0.8	0.4	0.3
Guide of door leaf	Round Spiral	•	•	•	•	•
	Oval Spiral	•	•	_	_	_
	Low-header	_	_	_	_	_
Steel design	Galvanized sheet steel frame	•	•	•	•	•
	Stainless steel	0	0	_	_	_
	Powder coated in RAL colours	0	0	0	0	0
Door leaf	EFA-THERM [®] laths insulated/painted	•	•	•	•	•
	EFA-CLEAR [®] Vision laths double-walled, thermally			-		_
	separated	0	0	0	0	0
	EFA-CLEAR [®] Vision laths single-walled	0	0	-	-	-
	EFA-VENT® Ventilation laths	0	0	-	-	-
	EFA-ALUX® Aluminium laths	-	-	-	-	-
	Colour according to RAL (without vison panel)	0	0	0	0	0
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx operating cycle	es per year	250,000	250,000	250,000	150,000	100,000
Drive	Electric motor	•	•	•	•	•
Control	EFA-TRONIC®	•	•	-	-	0
	EFA-TRONIC [®] Light	-	-	-	-	-
	EFA-TRONIC [®] Professional	0	0	•	•	•
	Main switch and foil keypad	•	•	•	•	•
Lead	Electricity connection 230 V/50 Hz	•	•	•	•	-
	Electricity connection 400 V/50 Hz	0	0	0	0	•
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		•	•	•	•	•
Emergency operation	Automatic after manual activation	•	•	•	•	•
Safety Devices	EFA-TLG [®] door light grid in door closing line	•	•	•	•	•
	Contact edge	0	0	-	-	_
	Light barrier	0	0	-	-	_
	Approach area monitoring	0	0	0	0	0
	Light grid, external	0	0	0	0	0
Safety system including activator	EFA-SCAN [®] frame/bollard	0/0	0/0	0/0	0/0	0/0
	EFA-3D-SCAN	0	0	0	0	0

• Standard, o upon request, – Not available, npd = No Performance Determined *Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

		EFA-SST®						
ECO Bas		Basic	Essential			Classic		
L	S	L	L	L	S	ÜS	L-N	S-N
•	•	•	•	•	•	•	•	•
•	٠	•	•	•	•	•	•	•
2 – 4	2 – 4	2 – 4	2 – 4	2 - 4	4	2 - 4	2 - 4	4
fulfilled								
3	3	3	2	0	0	0	npd	npd
3	3	3	0	2	2	2	npd	npd
24	25	24	20	23	25	25	23	25
1.52	0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7
4,500	6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,000
5,000	6,000	5,000	5,000	5,000	7,000	7,000	4,000	5,000
1.0	0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5
1	0.9	0.5	0.5	1.5	1.2	1	1.5	1.2
0.6	0.6	0.5	0.5	0.75	0.6	0.6	0.75	0.6
0.6	0.6	-	-	1	1	1	1	1
•	•	•	•	•	•	•	-	-
•	•	•	-	•	•	•	-	-
•	•	-	_	_	-	-	•	•
•	•	•	•	•	•	•	•	•
0	0	0	-	0	0	0	0	0
0	0	0	0	0	0	0	0	0
•	•	•	•	-	-	-	-	-
0	0	0	0	-	-	-	-	-
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
-	-	-	_	•	•	•	0	0
0	0	0	0	0	0	0	0	0
B2								
Spring								
200,000	200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000
•	•	•	•	•	•	•	•	•
•	٠	0	0	•	•	-	•	•
-	-	•	•	-	-	-	-	-
0	0	0	0	0	0	•	0	0
•	٠	•	0	•	•	•	•	•
•	٠	•	•	•	•	•	•	•
0	0	-	-	0	0	0	0	0
16 A (K)								
0	0	0	0	0	0	0	0	0
•	•	•	•	•	•	•	•	•
0	*	-	-	0	*	*	0	*
•	*	•	•	•	*	*	•	*
•	*	•	•	•	*	*	•	*
0	0	0	0	0	0	0	0	0
0	0	0	_	0	0	0	0	0
0/0	0/0	-	-	-/0	-/0	-/0	0	0
0	0	0	0	0	0	0	0	0

Technical details High-speed spiral doors

EFA-STT® Size S ÜS L-N L Application Interior door Lock-up doors . . • . Wind load max.* According to DIN EN 12424 class 2 - 42 - 43 - 43 - 4Operating forces / safe closing According to DIN EN 13241 class fulfilled fulfilled fulfilled fulfilled According to DIN EN 13241 class 0 0 Resistence against water ingress* 0 0 According to DIN EN 13241 class 2 2 0 Air permeability* 2 Direct airborne sound insulation R_w* in dB according to DIN EN 717-1 20 20 20 20 U value maximum* in W/m²K according to DIN EN 13241 6.5 6.37 6.28 6.5 Door size (in mm) Width W max. 4,000 6,000 8,000 4,000 Height H max. 5,000 6,000 7,800 5.000 Maximum door leaf speed* in m/s 3.0 2.8 2.0 1.8 Average speed, approx.* Opening in m/s 2.5 2.2 1.8 1.5 Closing in m/s 0.75 0.6 0.6 0.75 Closing by door light grid EFA-TLG® in m/s 1.0 0.6 0.6 1.0 Guide of door leaf Round Spiral • • • Low-header • Steel design Galvanized sheet steel frame • • • • Stainless steel 0 0 0 Powder coated in RAL colours 0 0 0 0 Door leaf EFA-CLEAR® Vision laths single-walled . • . • EFA-VENT® Ventilation laths 0 0 0 0 EFA-ALUX® Aluminium laths _ 0 Vision panel single-walled / double-walled •/-•/-•/-•/-Non transparent infill single-walled / doublewalled 0/-0/-0/-0/-Colour according to RAL (without vison panel) 0 0 0 0 Fire class Building Material class DIN 4102 B2 B2 R2 R2 Weight balancing by Spring Spring Spring Spring Designed for approx ... operating cycles per year 200,000 200,000 200.000 120,000 Drive Electric motor • • • • Control FFA-TRONIC® • • • EFA-TRONIC[®] Professional 0 0 0 Main switch and foil keypad • • • Lead Electricity connection 230 V/50 Hz • • • • Circuit breaker 16 A (K) 16 A(K) 16 A (K) 16 A (K) Manual locking 0 0 0 0 Emergency operation Automatic after manual activation • • • • Safety Devices EFA-TLG® door light grid in door closing line × × 0 0 × × Contact edge • × × Light barrier Approach area monitoring 0 0 0 0 Light grid, external 0 0 0 0 Safety system including activator EFA-SCAN® frame/bollard 0/0 0/0 0/0 0/0 EFA-3D-SCAN 0 0 0 0

S Series

Standard, o upon request, – Not available,
 *Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

EFA-STR®

	Size	L	S	S-N	L-N
Application	Interior door	•	•	•	•
	Lock-up doors	0	0	0	0
Wind load max.*	According to DIN EN 12424 class	2 – 3	2 – 3	2 – 3	2 – 3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	npd	npd
Air permeability*	According to DIN EN 13241 class	1	1	npd	npd
Direct airborne sound insulation ${\rm R_w}^{\ast}$	in dB according to DIN EN 717-1	12	12	12	12
U value maximum*	in W/m²K according to DIN EN 13241	6.1	5.95	6.0	6.1
Door size (in mm)	Width W max.	4,000	7,000	7,000	4,000
	Height H max.	5,000	6,000	5,000	5,000
Maximum door leaf speed*	in m/s	4.0	3.2	3.2	3.2
Average speed, approx.*	Opening in m/s	3.6	2.8	2.8	2.8
	Closing in m/s	0.75	0.75	0.75	0.75
	Closing by door light grid EFA-TLG [®] in m/s	1.0	1.0	1.0	1.0
Guide of door leaf	Round Spiral	•	•	-	-
	Low-header	-	_	•	•
Steel design	Galvanized sheet steel frame	•	•	•	•
	Stainless steel	0	0	0	0
	Powder coated in RAL colours	0	0	0	0
Door leaf	flexible fabric in different colours with/ without vison panel	0/●	0/•	0/•	0/●
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring
Designed for approx operating cycles	; per year	200,000	200,000	120,000	120,000
Drive	Electric motor	•	•	•	•
Control	EFA-TRONIC [®]	•	•	•	•
	EFA-TRONIC [®] Light	-	-	-	-
	EFA-TRONIC [®] Professional	0	0	0	0
	Main switch and foil keypad	•	•	•	•
Lead	Electricity connection 230 V/50 Hz	•	•	•	•
	Electricity connection 400 V/50 Hz	0	0	0	0
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	•	•	•	•
Safety Devices	EFA-TLG® door light grid in door closing line	0	o (*)	o (*)	0
	Contact edge	•	•	•	•
	Light barrier	•	•	•	•
	Approach area monitoring	0	0	0	0
	Light grid, external	0	0	0	0
Safety system including activator	EFA-SCAN [®] frame/bollard	0/0	0/0	0/0	0/0
	EFA-3D-SCAN	0	0	0	0

• Standard, o upon request, – Not available, , npd = No Performance Determined, o (*) Standard for W > 5,000 mm, * Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details High-speed roll-up doors

R Series

		EFA-SRT®		
		Premium ECO		0
	Size	L	L	S
Application	Interior door	٠	•	•
Wind load max.*	According to DIN EN 12424 class	0 – 3	_	0 – 2
	resp. in km/h	-	18	18
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	npd	npd	0
Air permeability*	According to DIN EN 13241 class	npd	npd	1
Direct airborne sound insulation ${\rm R_w}^{\ast}$	in dB according to DIN EN 717-1	12	11	11
Door size (in mm)	Width W max.	5,000	4,000	6,000
	Height H max.	5,500	4,000	7,000
Maximum door leaf speed*	in m/s	2.6	2.0	2.0
Average speed, approx.*	Opening in m/s	2.0	1.5	1.5
	Closing in m/s	0.75	0.75	0.6
	Closing by door light grid EFA-TLG [®] in m/s	1.0	1.0	1.0
Steel design	Galvanized sheet steel frame	•	•	•
	Stainless steel	0	0	0
	Powder coated in RAL colours	0	0	0
Door leaf	Door curtain made of flexible PVC, transparent with warning stripes in different colours	٠	•	-
	flexible fabric in different colours with / without vison pane	0/0	0/0	0/●
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		Spring	Weight	Weight
Designed for approx operating cyc	les per year	150,000	150,000	150,000
Collision protection	EFA-EAS®	0	0	-
Drive	Electric motor	•	•	•
Control	EFA-TRONIC®	•	•	•
	EFA-TRONIC [®] Light	-	0	-
	EFA-TRONIC [®] Professional	0	0	0
	Main switch and foil keypad	٠	•	•
Lead	Electricity connection 230 V/50 Hz	٠	•	•
	Electricity connection 400 V/50 Hz	0	0	0
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	٠	•	•
	Manual activation	-	-	-
Safety Devices	EFA-TLG [®] door light grid in door closing line	0	0	0
	Contact edge	•	•	•
	Light barrier	•	•	•
	Approach area monitoring	0	0	0
	Light grid, external	0	0	0
Safety system including activator	EFA-SCAN [®] frame/bollard	-/o	-/o	-/o
	EFA-3D-SCAN	0	0	0

• Standard, • upon request, - Not available, npd = No Performance Determined, * Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details High-speed doors machine protection

Door size (in mm) Width W max. 3,000 Height H max. 3,000 Maximum door leaf speed* in m/s 2.7 Guide of door leaf Round Spiral • Average speed, approx.* Opening in m/s 2.2 Closing by door light grid EFA-TLG® in m/s - Design Galvanized sheet steel frame • Powder coated in RAL colours o o Door frames aluminium anodised - - Door leaf EFA-VENT* Ventilation laths o Colour cacording to RAL (without vison panel) o - Door curtain made of flexible PVC, transparent with warning stripes in different colours iffexible fabric in different colours with / without vison panel) - Fire class Building Material class DIN 4102 B2 Building Material class DIN 4102 Spring - Designed for approx operating cycles per year 280,000 - Drive Electric motor • - Colour EFA-TRONIC® resistenal MS o - Electricity connection o - -			EFA-SST® MS
Wind load max.* According to DIN EN 13241 class 4 Operating forces/stafe olosing According to DIN EN 13241 class fulfilled Air permeability* in dB according to DIN EN 13241 class fulfilled Diract aliborne sound insulation R _y * in dB according to DIN EN 13241 class fulfilled Diract aliborne sound insulation R _y * in dB acch DIN EN 177-1 23 Door size (in mm) Width Vmax. 3,000 Maximum door leaf speed* in m/s 2,7 Glide of door leaf Round Spiral • Average speed, approx.* Opening in m/s 2,2 Closing by dor light grid EFA-TLG* in m/s - Deor leaf Galvanized sheet steel frame • Powder coated in RAL colours o o Door leaf EFA-VENT* Ventilation laths o Colour according to RAL (without vison panel) o o Door leaf EFA-VENT* Ventilation laths o Colour according to RAL (without vison panel) o o Door curain made of floxible PVC, transparent with writh warring to set steel frame - Fire class Building Material class SIN 4102 B2 Building Material class SIN 4102 B2 B2 Building Material class SIN 4102 Set DIN EN 150 340 <th></th> <th></th> <th></th>			
Operating forces/ sele closing According to DIN EN 12241 class fulfilled Air permeability* in dB according to DIN EN 12241 class fulfilled Air permeability* in dB according to DIN EN 12241 class fulfilled Direct airborne sound insulation Ru* in dB nach DIN EN 1271-1 23 Door size (in mm) Width W max. 3,000 Maximum door leaf speed* in m/s 2,7 Guide of door leaf Round Spiral • Average speed, approx.* Opening in m/s 0,6 Closing by door light grid EFA-TLG* in m/s - Dear fames aluminium anodised - Door fames aluminium anodised - EFA-VETR* Vision laths single-walled o EFA-VETW entition Laths 0 Door leaf EFA-LEAR* Vision laths single-walled Colour according to PAL (without visor shape) o Door curain made of flexible PVC, transparent with warning stripes in different colours with / without visor panel o EFA-EER* EFA-LEAR* Vision laths - Evertifyere visor panel		*	
Air permeability* in dB according to DIN EN 777-1 0 Direct airborne sound insulation R _w * in dB according to DIN EN 777-1 23 Door size (in mm) Width W max. 3,000 Maximum door leaf speed* in m/s 2,7 Guide of door leaf Round Spiral • Average speed, approx.* Opening in m/s 2,2 Closing by door light grid EFA-TLG* in m/s - Design Galvanized sheet steel frame • Powder coated in FAL colours o Door leaf EFA-CLEAR* Vision laths single-walled o Door leaf EFA-ALUX* Aluminium anodised - Door leaf EFA-ALUX* Aluminium laths single-walled o Colour according to FAL (without vison panel) o o Door curtain made of flexible PVC, transparent with warming stripes in different colours - Fire class Building Material class DIN 4102 B2 Building Material class DIN 4102 B2 Building Material class - Drive Efectric motor - Control EFA-TRONIC* Professional MS • EFA-TRONIC* Professional MS • • Electricity connection 400 V/50 Hz • • Control EFA-TRONIC* Professional		· · · · · · · · · · · · · · · · · · ·	
DI KN 717-1 U Direct airborne sound insulation R _u ** in dB nach DIN EN 717-1 23 Door size (in mm) Width W max. 3.000 Height H max. 3.000 Maximum door leaf speed* in m's 2.7 Guide of door leaf Round Spiral - Average speed, approx.* Opening in m/s 2.2 Closing by door light gif EFA-TLG* in m/s 0.6 Design Galvanized sheet steel frame - Powder coated in RAL colours 0 - Door frames aluminium anodised - - Door frames aluminium anodised - - Door leaf EFA-CLEN* Vision laths single-walled 0 EFA-VENT* Ventilation laths 0 - Closur according to RAL (without vision panel) 0 - Closur according to RAL (without vision panel) 0 - Fire class Building Material class DIN 4102 BLZ Building Material class DIN 4102 BLZ - Building Material class DIN 4102 0 - <td< td=""><td></td><td></td><td>fulfilled</td></td<>			fulfilled
Door size (in mm) Neight H max. 3,000 Height H max. 3,000 Maximum door leaf speed* in m/s 2.7 Glosing of door leaf Average speed, approx.* Opening in m/s 2.2 Closing in m/s 0.6 Closing by door light grid EFA-TLG® in m/s - Design Galvanized sheet steel frame Powder coated in RAL colours 0 Door frames aluminium anodised - Door leaf EFA-CLEAR® Vision laths single-walled EFA-VEN® Ventilation laths 0 EFA-VEN® Ventilation laths 0 EFA-NEN® Ventilation laths 0 EFA-PONIC® Professional MS 0 EFA-PONIC® 0 EFA-PONIC® Professional MS 0 EFA-PONIC® 0 EFA-PONIC® Professional MS 0 EFA-PONIC® 0 EFA-PONIC® Professional MS 0 EFA-PONIC® 0 EFA-PONIC® Professional MS 0 EFA-PONIC® 0 EFA-P	Air permeability*		0
Height H max. 3,000 Maximum door leaf speed* in m/s 2.7 Guide of door leaf Round Spiral • Average speed, approx.* Opening in m/s 2.2 Closing in m/s 0.6 0.6 Closing by door light grid EFA-TLG® in m/s - Design Galvanized sheet steel frame • Powder coated in RAL colours 0 0 Door leaf EFA-CLEAR® Vision laths single-walled • Door leaf EFA-ALUX® Aluminium laths • Colour according to RAL (without vison panel) • • Door curtain made of flexible PVC, transparent with waring stripes in different colours with / without vison panel • Fire class Building Material class DIN 4102 B2 Building Material class DIN 4102 B2 B2 Building Material class - - Control EFA-TRONIC® Professional MS • EFA-TRONIC® • • Control EFA-TRONIC® Professional MS • Efectricity connection 200 V/50 Hz • •	Direct airborne sound insulation ${\sf R}_{\!\scriptscriptstyle W}^{}{}^*$	in dB nach DIN EN 717-1	23
Maximum door leaf speed* in m/s 2.7 Guide of door leaf Round Spiral 2.2 Guide of door leaf Round Spiral 2.2 Closing by door light grid EFA-TLG® in m/s 2.2 Closing by door light grid EFA-TLG® in m/s - Design Galvanized sheet steel frame • Powder costed in RAL colours 0 Door frames aluminium anodised - Door leaf EFA-CLEAR® Vision laths single-walled 0 EFA-ALLX® Aluminium laths 0 EFA-ALLX® Aluminium laths 0 Colour according to RAL (without vision panel) 0 Door curtain made of flexible PVC, transparent with warning stripes in different colours with / without vision panel 0 Fire class Building Material class DIN 4102 B2 Building Material class DIN 4102 B2 Building Material class DIN 4102 B2 Building Material class OIN 4102 Spring Designed for approx operating cycles per year 250,000 Drive EFA-TRONIC® referesional MS 0 EFA-TRONIC® Professional MS 0 EFA-TRONIC® 1 EFA-TRONIC® 0 EFA-TRONIC® 1 Control EFA-TRONIC® 0 EFA-TRONIC® 0 EFA-TRONIC® 1 Control CEFA-TRONIC® 0 EFA-TRONIC® 1 EFA-TRONIC® 2 EFA-TRONIC® 2 EFA-TRONIC® 1 EFA-TRONIC® 1 EFA-TRONIC® 1 EFA-TRONIC® 2 EFA-TRONIC® 2 EFA-TRONIC	Door size (in mm)	Width W max.	3,000
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Average speed, approx.* Opening in m/s 2.2 Closing in m/s 0.6 Closing by door light grid EFA-TLG® in m/s - Design Galvanized sheet steel frame • Powder coated in RAL colours 0 0 Door leaf EFA-CLEAR® Vision laths single-walled • Door leaf EFA-ALUX® Aduminium laths • Colour according to RAL (without vison panel) • • Door outrain made of flexible PVC, transparent - - widing Material class SEI - - Fire class Building Material class DIN 4102 B2 B2 Building Material class - - - Drive EfeA-TRONIC® • - Drive Efectric motor • • Control EFA-TRONIC® • • Efeart Control EfeA-TRONIC® • • Control EFA-TRONIC® • • Efeartion vorter • • • Efeartic connect	Maximum door leaf speed*	in m/s	2.7
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Manual activation		Circuit breaker	16 A (K)
Safety Devices EFA-TLG® door light grid in door closing line – Contact edge ● Light barrier ●	Emergency operation	Automatic after manual activation	0
Contact edge Light barrier		Manual activation	-
Light barrier •	Safety Devices	EFA-TLG [®] door light grid in door closing line	-
		Contact edge	•
Light grid, external OHSO		Light barrier	•
		Light grid, external	o HSO

MS Series

Standard, o upon request, – Not available, HSO = Head Safe Option,
 * Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

EFAFLEX

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