



UNDER FLOOR DOOR DRIVES

C90 / C127 SU

Under floor swing door drives

S16 SU

Under floor linear sliding door drive

R61 SU

Under floor radial sliding door drive

As a manufacturer of automatic doors, we have to take into account both technical requirements and architectural ideas. We have often come across projects in which a supposedly good compromise, in the form of an ultra slim door drive module, did not satisfy the wishes of the customer.

It comes as no surprise, then, that under floor drives have been with us for over 25 years, and enjoy a special status. Our know-how and innovative spirit, coupled with our long-standing collaboration with

internationally renowned architects has, in the course of time, almost inevitably led us to become particularly expert in the field of invisible drives.

Please contact us with your wishes. We will very quickly be able to install a suitable solution.



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■ AUTOMATIC DOOR SYSTEMS

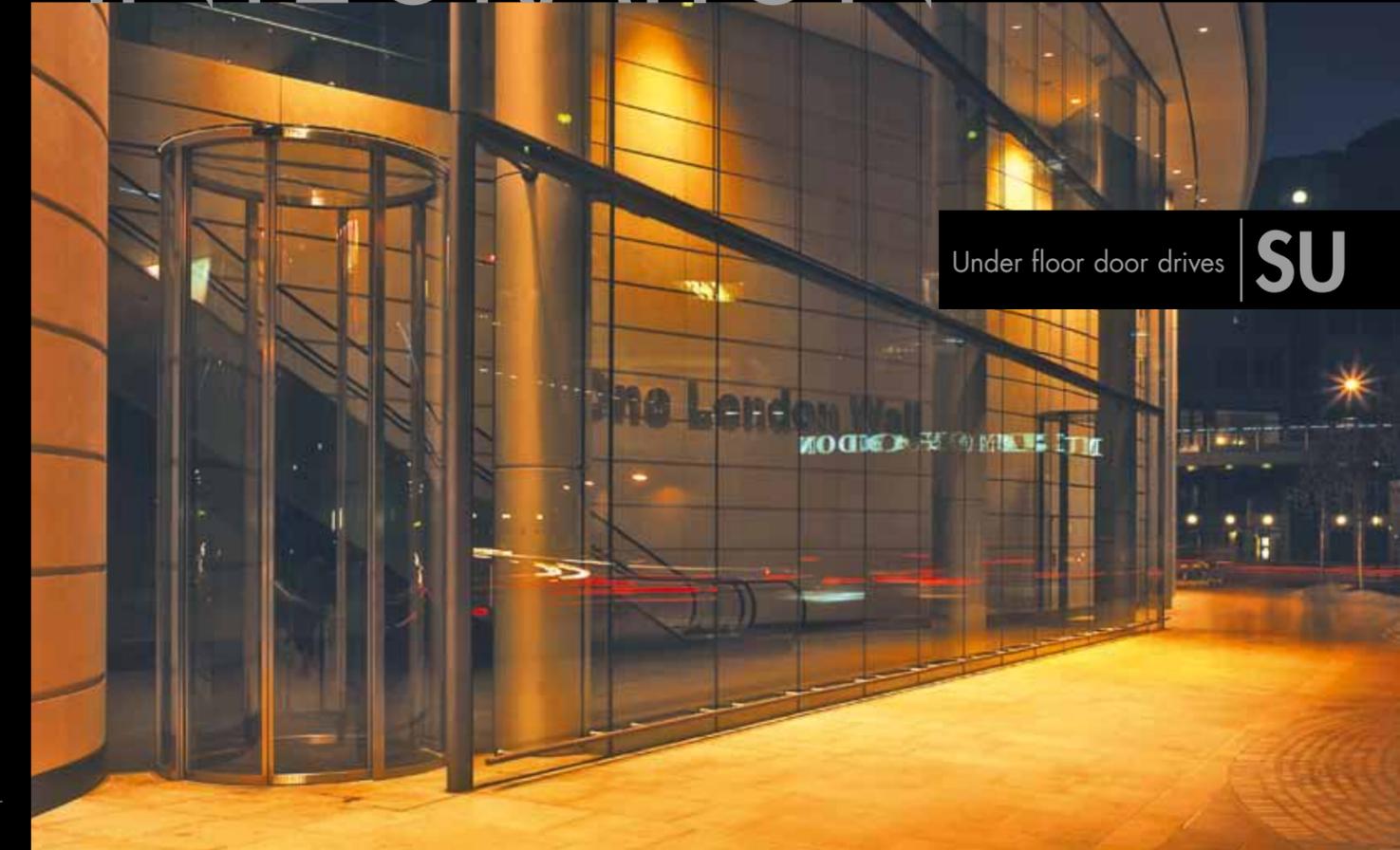
■ SPECIAL CONSTRUCTIONS

Some of our worldwide references are:

BMW Welt, Munich • Bank of China, Beijing • Daimler Maybach, Stuttgart, Paris, Hongkong • Berlin Main Station • Vienna Airport • Casa da Musica, Porto • European Parliament, Strasbourg • Ferrari, Wiesbaden • Airport Reykjavik • GLA (town hall), London • Hotel Ritz, Paris • L'Oréal, Paris • McLaren Mercedes, Woking • Parliament London • Patek Philippe, Geneva • Moscow City Hall • Reichstag, Berlin • Rolls-Royce, Goodwood • Samsung, Seoul • Hotel Bayerischer Hof, Munich • Raffles Hotel, Beijing • JFK Airport, New York

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INTEGRATION



Under floor door drives | **SU**

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Drive dimensions (LxWxD) C90 SU / C127 SU	450 x 200 x 160 mm / 710 x 190 x 130 mm
Circuit voltage:	230 VAC 50 / 60 Hz
Power consumption:	25 W / 13 W standby, 220 W / 67 W rated power
Maximum torque:	190 Nm / 50 Nm
Maximum moment of inertia of door leaves:	300 kgm ² / 65 kgm ²
Adjustable parameters:	
Opening angle:	+100° to -100° / 70° to 115°
Hold open time:	0 to 10 sek. / 0 to 20 sek.
Opening speed:	3 to 20 sek.
Closing speed:	5 to 20 sek.
Type of protection:	IP54 / IP67
Operating conditions:	
Ambient temperature:	-15° to +50°C
Humidity range:	Up to 85 % relative humidity, non-wetting
Wind load:	Designed for wind load zone 2 (25 m / s)

C90 SU

Under floor swing door drive (special)

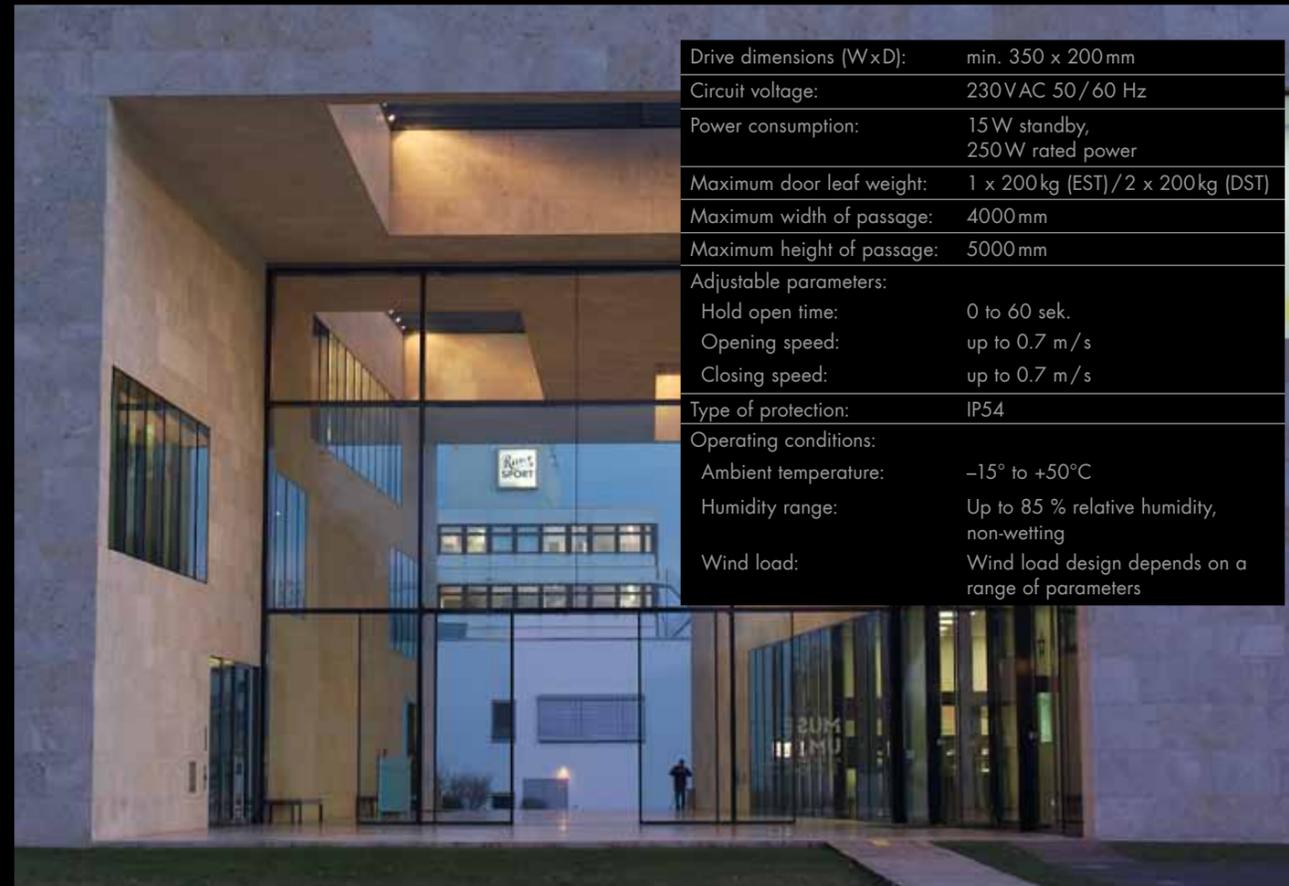
C127 SU

Under floor swing door drive (allround)

For swing door drives, BLASI provides two under floor designs, the C90 SU and C127 SU models. The former was specially designed for doors up to 600 kilos. The built-in stainless steel housing also has integrated floor bearings. The drive unit consists of an electro-mechanical system with high performance gears and low noise power transmission. In case of power failure, an option is emergency opening, while door leaves can be moved without effort should the power failure continue for longer than expected.

For door leaf weights of up to 400 kg, we recommend using the C127 SU. The drive also contains the bottom door bearing, and moves the door leaf using a swinging arm. The highly effective IP67 standard seal enables virtually unrestricted daily use, and is immune even to puddles of melt or rainwater, including fluids used by floor cleaning machines, which can be corrosive.

Higher door leaf weights on request.



Drive dimensions (WxD):	min. 350 x 200 mm
Circuit voltage:	230 VAC 50 / 60 Hz
Power consumption:	15 W standby, 250 W rated power
Maximum door leaf weight:	1 x 200 kg (EST) / 2 x 200 kg (DST)
Maximum width of passage:	4000 mm
Maximum height of passage:	5000 mm
Adjustable parameters:	
Hold open time:	0 to 60 sek.
Opening speed:	up to 0.7 m / s
Closing speed:	up to 0.7 m / s
Type of protection:	IP54
Operating conditions:	
Ambient temperature:	-15° to +50°C
Humidity range:	Up to 85 % relative humidity, non-wetting
Wind load:	Wind load design depends on a range of parameters

S16 SU

Under floor linear sliding door drive

Our under floor systems give architects more space to add a charming touch. In doing so, our developers have emphasized the fact that the drive is not a conventional one taken from the series and simply modified accordingly, but that it has to comply with the demands of a highly specific application. A claim which is relevant not only in terms of functional safety, but also keeps wear and tear to a minimum and emphasizes the need for regular maintenance.

BLASI SU automatic sliding door drives cater for door opening sizes of up to 4000 mm in width. This includes drives for linear (S16 SU) as well as radial doors (R61 SU). The maximum weight of the door leaves is up to 1 x 200 or 2 x 200 kilos. A depth of at least 200 mm is required for installation.

Sloping doors, heavier leaves and larger opening widths are available on request.



Drive dimensions (WxD):	min. 370 x 250 mm
Circuit voltage:	230 VAC 50 / 60 Hz
Power consumption:	15 W standby, 250 W rated power
Maximum door leaf weight:	1 x 200 kg (EST) / 2 x 200 kg (DST)
Maximum width of passage:	4000 mm
Maximum height of passage:	5000 mm
Adjustable parameters:	
Hold open time:	0 to 60 sek.
Opening speed:	up to 0.7 m / s
Closing speed:	up to 0.7 m / s
Type of protection:	IP54
Operating conditions:	
Ambient temperature:	-15° to +50°C
Humidity range:	Up to 85 % relative humidity, non-wetting
Wind load:	Wind load design depends on a range of parameters

R61 SU

Under floor radial sliding door drive

The BLASI R61 SU is an under floor drive for round and curved sliding doors. Compared to conventional drive concepts, there are no restrictions of the radius of the curve. Doors can also be curved inwards and outwards.

With the radial and linear under floor version, the entire door leaf weight rests on the drive module base alone. The upper guide rail is designed merely to absorb horizontal forces caused by wind forces, and a minimum height of 55 mm is pro-

vided for this. The maximum height of door systems is currently 5000 mm.

Optionally, doors can also be controlled by motion sensors embedded in the floor. Even with peripheral devices, the idea of the invisible drive is still a top priority at BLASI.