



## High-Performance Shrink Tunnel

# COMPACT 450 SO COMPACT 650 SO

### An All-Rounder for Display Packaging

COMPACT SO shrink tunnels are designed to work with fully-automatic overwrapping machines, such as Kallfass' UNIVERSA 5050, UNIVERSA 400, UNIVERSA 500 SERVO or SERVO JET 400/80, at production speeds of up to 100 packs/min

Each COMPACT SO features Kallfass' patented concentric nozzle heating system that ensures a uniform, high-velocity flow of hot air. Quick and even heat transfer shrinks the film to form tight, crease-free packaging. This optimised shrink process consistently achieves display packaging for the highest demands when polyolefin films are used.

A stepless adjustable tunnel blower speed and switchable 2-stage heating system enable the matching of shrink performance to product and film requirements. At the same time this offers the potential for a significant saving in energy.



**Kallfass**  
Verpackungsmaschinen

Results count.

## Facts, data, figures

### Technical Data

	Compact 450 SO	Compact 650 SO
tunnel clearance in width:	450 mm	650 mm
tunnel clearance in height, adjustable:	100 - 400 mm	100 - 400 mm
length of the heated tunnel hood:	1100 mm	1100 mm
air-flow regulation with patented ring nozzle system:	standard	standard
maintenance free plastic-mesh-belt:	standard	standard
transport speed infinitely variable, frequency controlled:	approx. 10 – 35 m/min.	approx. 10 – 35 m/min.
capacity of the tunnel blower infinitely variable, frequency controlled:	standard	standard
energy saving 2-stage heating with special insulation in tunnel hood:	standard	standard
temperature control by means of electronic thermostat:	switching precision +/- 0.2° C	
wear resistant and contactless temperature control:	standard	standard
safety device according to EC regulation machines EN 60204: limit temperature control:	standard	standard
working height, adjustable:	800 - 900 mm	800 - 900 mm
power supply:	400 Volts, 50 Hz, with protective earth conductor	
heating capacity, installed, 2-stage switchable:	9.0 + 4.5 kW	9.0 + 4.5 kW
rated capacity:	14.5 kVA	14.5 kVA
nominal current at 400 V:	21.0 amps	21.0 amps
total connected load:	max. 37.0 amps (incl. add. three phase power supply)	
position of control cabinet and operating side:	left hand side in working direction	
colour:	KALLFASS Anthracite	

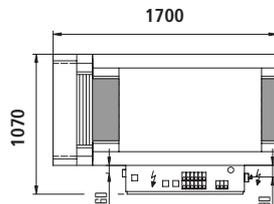
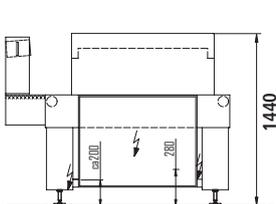
### Options at extra cost

- tunnel hood with "clear-view-window" and light inside the tunnel hood (clearance in height, adjustable 200 - 400 mm)
- additional insulation hood with clearance in height of fix 200 mm and length 1400 mm (not possible in combination with tunnel hood with "clear-view-window" and light)
- weekly program timer on/off automatic with acoustic start warning
- machine on/off from packing machine with start acoustic warning
- plugs for power and signalling connection with up-stream machine
- cool-down automatic, activated by push button, heating will be switched off, tunnel transport and tunnel blower stay in operation
- selector switch for packing/transport
- lockable cover for operating panel
- transport monitoring system by means of contactless initiator direct at the transport, including emergency stop of the heating; with optical indication
- machine on castors for mobility (differing working height!)
- 300 mm cooling station behind the tunnel, consisting of aluminium rollers, running in ball bearings
- special cooling blower above product outfeed
- special voltage (for standard voltage see technical data)
- special colour (structure lacquer, monochromatic)

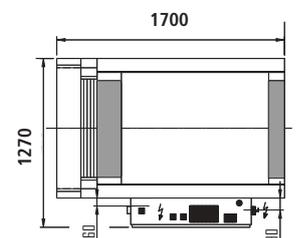
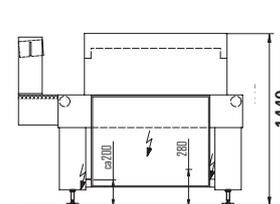
### Machine dimensions (approx. in mm):

(This drawing may show options which are not included in the basic machine version and are available against up-charge only.)

Compact 450 SO



Compact 650 SO



**Kallfass**  
Verpackungsmaschinen

Kallfass Verpackungsmaschinen GmbH  
Germany  
Siemensstraße 8 · 72622 Nürtingen-Zizishausen  
Phone +49/7022/607-0 · Fax +49/7022/607-200  
info@kallfass.com · www.kallfass.com

