

## Energy Saving Shrink Tunnel

# COMPACT 450 K

### An All-Rounder for Display Packaging

Each COMPACT K features Kallfass' patented ring nozzle heating system that ensures a uniform high-velocity hot air flow. 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.

An infinitely variable tunnel fan speed matches shrink performance to product and film requirements. With the use of a maintenance free plastic-mesh-belt and riser bar, the tunnel perfectly avoids even slightest marks at the product underside. A small footprint, an adjustable air flow and a precise temperature setting in conjunction with highly effective tunnel insulation do significantly reduce power consumption.

COMPACT K shrink tunnels are designed to work with fully automatic overwrapping machines, such as Kallfass' UNIVERSA, UNIVERSA SERVO, SERVO PACKER or SERVO JET, and are same suited for applications where a flexible yet performing tunnel is required.



## Facts, data, figures

### Technical Data

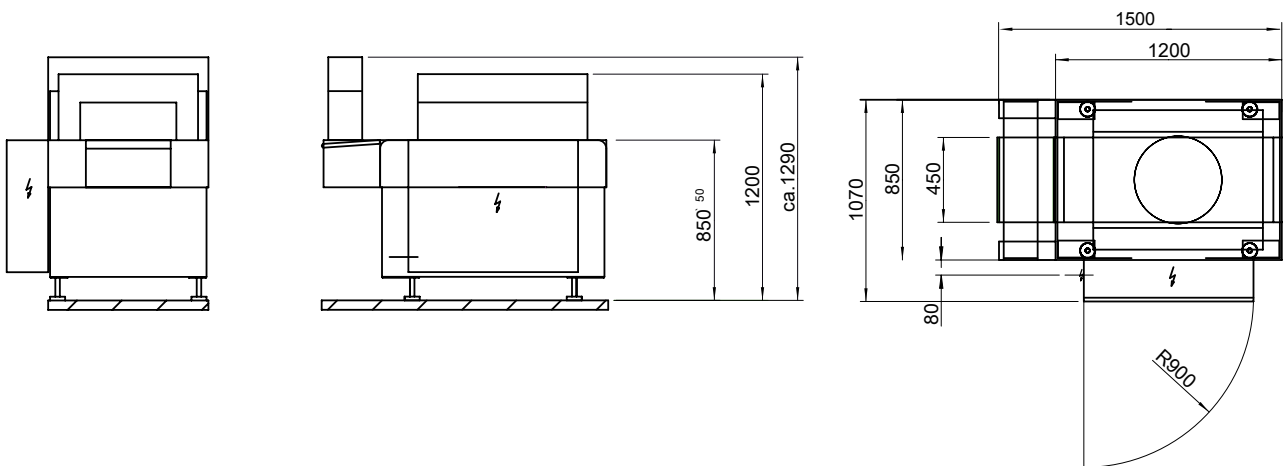
|  | Compact 450 K                  |
|--|--------------------------------|
| tunnel clearance (width):  | 450 mm                         |
| tunnel clearance (height):   | 200 mm fix                     |
| length of heated tunnel hood:  | 900 mm                         |
| air-flow regulation with patented ring nozzle system:                                  | standard                       |
| maintenance free plastic-mesh-belt:  | standard                       |
| transport speed infinitely variable, frequency controlled:                             | approx.. 10 – 35 m/min.        |
| infinitely variable tunnel fan speed, frequency controlled:                            | standard                       |
| energy saving tunnel heating with highly effective insulation in the tunnel hood:      | standard                       |
| temperature control by means of electronic thermostat:                                 | switching precision +/- 0.2° C |
| wear resistant , solid-state temperature control::                                     | standard                       |
| safety device according to EC regulation machines EN 60204: limit temperature control: | standard                       |
| adjustable working height:   | 800 - 900 mm                   |
| power supply (with protective earth conductor)   | 400 Volts, 50 Hz, 3-phase      |
| installed heating capacity:  | 9 kW                           |
| position of control cabinet and operating side:  | left side in working direction |
| power consumption:   | approx. 5 kWh:                 |
| colour:  | Kalfass-Anthracite             |

### Options at extra cost

|  |
|--|
| tunnel hood with "clear-view-window" and light inside            |
| weekly program timer on/off                                      |
| riser bar  |
| plugs for power and signalling connection with up-stream machine |
| cool-down automatic  |
| selector switch for packing/transport                            |
| lockable cover for operating panel                               |
| machine on castors for mobility                                  |
| 300 mm cooling station   |
| special cooling blower   |
| special voltage  |
| special colour   |

### 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.)



**Kalfass Verpackungsmaschinen GmbH**  
 Germany  
 Siemensstraße 8 · 72622 Nürtingen-Zizishausen  
 Phone +49 7022 607-0 · Fax +49 7022 607-200  
 info@kalfass.com · www.kalfass.com

