



## High-Performance Energy-Saving Shrink Tunnel

Tunnel Inspection Window  
chargeable option

# COMPACT 650 D

### Delivering Display Packaging at High Production Speeds

The COMPACT 650 D is the perfect shrink tunnel for production speeds in the range of 50 to 150 packs/min. This makes it the ideal shrink tunnel for working with fully-automatic overwrapping machines, such as Kallfass' UNIVERSA 400, UNIVERSA 500 SERVO, or machines of the SERVO JET 400 series.

The COMPACT 650 D has a chamber with two successive Kallfass' patented concentric nozzle heating systems which provides an outstanding shrink capacity. The air flow can be accurately set to create a uniform high-velocity flow of hot air that transfers heat evenly into the film. Film is shrunk tightly to products, even when they have complex and irregular shapes. This optimised shrink process consistently delivers high-quality display packaging when polyolefin films are used.



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## Facts, data, figures

### Technical Data

### Compact 650 D

tunnel clearance in width:	650 mm
tunnel clearance in height:	fix 200 mm
length of the heated tunnel hood:	1800 mm
air-flow regulation with patented ring nozzle system in twin execution:	standard
maintenance free plastic-mesh-belt:	standard
transport speed infinitely variable, frequency controlled:	approx. 10 – 35 m/min.
two separate heating zones, capacity of the tunnel blowers infinitely variable, frequency controlled	standard
energy saving heating with special insulation in tunnel hood:	standard
temperature control by means of electronic thermostat:	switching precision +/- 0.2° C
wear resistant and contactless temperature control:	standard
safety device according to EC regulation machines EN 60204: limit temperature control:	standard
working height, adjustable:	800 - 900 mm
power supply:	400 Volts, 50 Hz, with protective earth conductor
heating capacity, installed (consumption in continuous operation approx. 40%)	9 kW each ring nozzle system
rated capacity:	20 kVA
nominal current at 400 V:	29,0 A
total connected load:	45,0 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 fix 200 mm)
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 colour (structure lacquer, monochromatic)
special voltage (for standard voltage see technical data)

### 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.)

