

Three-belt hot air vulcanisation channel HLK 106 and HLK 114



Modular hot air vulcanisation channel designed for vulcanising flexible profiles and hoses.

High total process lengths may be achieved over short machine lengths by multiple deflection of the profile.

HLK 106

Three-belt hot air vulcanisation channel on three levels without water cooling.

HLK 114

Three-belt hot air vulcanisation channel on three levels of the machine with additional cooling on two separate levels.

MACHINE HIGHLIGHTS

- Effective machine lengths of 9 - 21 m
- Natural gas heating LNG/LPG as per Euro standard
- Production speed up to 40 m/min
- Temperatures adjustable from 180 °C to 340 °C
- 2 lateral inspection covers per 3 m module
- 3 belts for hot air vulcanising
- 2 belts for the cooling level
- Integrated heat exchanger
- Flexible application in production

MACHINE DATA HLK 106 and 114

Effective machine length	9-21 m
Vulcanisation length	27-63 m
Profile pass-through aperture height	50 mm *
Profile pass-through aperture width	100 mm *
Machine clearance height	1000 mm *
Production speed, max.	40 m / min *
Gas heating	LNG/LPG EU standard
Burner power per 3 m zone	90 kW
Electrical connection	240/400 V, 3 Ph, 50 Hz, PE+N*
Compressed air connection	7 bar
Machine version	CE standards, DIN standards

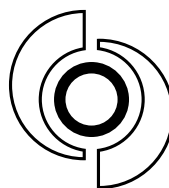
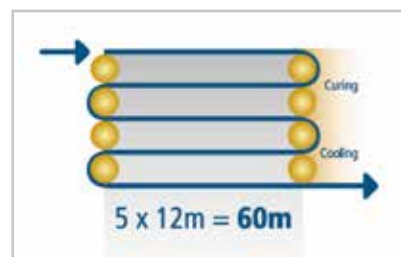
MAIN STANDARD EQUIPMENT

Zone heating each 3 m zone	yes
Temperature modulation	180 °C to 340 °C
Number of conveyor belts	3
Number of separate conveyor belt drives	3
Automatic linked speed control of the 3 conveyor belts	yes
Conveyor belt width	150 mm
Belt deflection control for each conveyor belt	yes
Driven profile pull-off roller	yes
Horizontal profile guide rollers at infeed and outfeed	yes
Fire extinguishing nozzles per zone	yes
Number of inspection covers per zone	2
Inspection cover operation	pneumatic support
Air locks at infeed and outfeed of the channel	yes
Main extraction fan	yes
Main electrical switch cabinet	yes
PLC control	Siemens S 7-300
Touch display	Siemens*

* or customised

CONFIGURATION OPTIONS

- Integrated heat exchanger G160 for recovery of exhaust air thermal energy
- Two level cooling zones with spray cooling and two separate conveyor belts, Type 114
- Profile surface temperature measurement at the channel outfeed
- Spark sensors for fire prevention
- Other options on request



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