

Data Sheet

Reference No.: 54745

Conveyor (roller hearth) Furnace

Brand: TENOVA
Model:
YoM, approx.: 2015 used
Reconditioned:
Controls:



Characteristics Heat Treatment Equipment

temperature max.: 950 °C

Additional Information:

Clear width 2,200 mm
Usable width 2,070 mm
Usable height 400 mm
Working height 1,300 mm
Inlet roller conveyor 14,700 mm
Inlet box 2,500 mm
Annealing furnace 29,169 mm
(Annealing furnace clear length) approx. 26,769 mm
Cooling section (HT and NT) 51,000 mm
Outlet box 2,500 mm
Outfeed roller conveyor 14,660 mm
Total length 114,530 mm
(annealing furnace and cooling section)
N2 purge gas volume 420 m3
Furnace design: Roller hearth continuous furnace
Material: Tubes
Outer diameter: 14 - 180 mm
Wall thickness: 0.8 - 8.0 mm
Length: 4.0 - 13.0 m
Surface before annealing: -
Throughput at 920 °C annealing material temperature
Throughput at 700 °C annealing material temperature
Reference pipes: 25 x 2.5 x 8000 mm
33 x 3.5 x 8000 mm
40 x 3.5 x 8000 mm
55 x 2.8 x 8000 mm
63 x 4 x 8000 mm
75 x 6 x 8000 mm
110 x 8 x 8000 mm
Tube outlet temp.,
depending on tube surface: 125 - 150 °C
Roller pitch inlet roller conveyor: 620 mm
Roller pitch inlet box: 620 mm
Roller pitch annealing furnace: approx. 430 mm
Roller pitch cooling section: 500 mm
Roller pitch outlet box: 620 mm
Roller pitch outlet roller conveyor: 620 mm

Roller dimensions:

Annealing furnace: 155.4 x 14 mm 1.4848/1.4832
Front section
HD cooling section: 157.0 x 10 mm 1.4826 (7 pieces)
Remaining cooling section: 133.0 x 4 mm St 37
Max. permissible roll hearth load at
a working temperature of 920 °C and
even distribution of the hearth: 350 kg/m
Furnace floor: Refractory lightweight brick: 130 mm
Insulating bricks: 130 mm
Mineral fibre board: 50 mm
Side: Refractory lightweight bricks: 230 mm
Mineral fibre board: 100 mm
Ceiling: Suspended ceiling bricks
and wool insulation
330 mm
Ceiling thickness
Ring bricks for roller passages made of fibre material
Number of control zones: 6 (gas-heated)
Operation of control zones: - (gas-heated) ON/OFF,
with round-the-clock control
- (electrically heated) ON/OFF,
with thyristor control
Thermocouples: NiCr-Ni
Temperature recording range: 0 - 1,000 °C
Temperature control measuring range: 0 - 999 °C
Working temperature range: 450 - 950 °C
Max. working temperature: 950 °C
Throughput speed: 7.5 - 150 m/h
Endogas consumption 84 litres per hour
Automatic loading

Seller:

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Photos & Documents

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