

TAV TPHF 40/45/60 HP

Kind : Oven - Furnace
Manufacturer : TAV
Model : TPHF 40/45/60 HP
Year : 2012
Serial : 514
Stock : T16252



TECHNICAL DETAILS

- Useful dimensions	: 400 x 450 x 600 [mm]
- Volume of the heating chamber	: 96 [dm ³]
- Max. load	: 250 [kg]
- Max. temperature	: 1400 [°C]
- Max. operating temperature	: 260 - 1350 [°C]
- Maximum convection heating temperature	: 750 [°C]
- Heating time from 50°C to 1250°C	: 60 [min]
- Chamber cooling time from 1200°C to 200°C	: 2 [min]
PUMP UNIT	
- Mechanical primary pump	: Drystar GV160
* Pumping speed	: 160 [m ³ /h]
* Power	: 7.5 [kW]
- Roots-type pump	: Edwards EH1200
* Pumping speed	: 500 [m ³ /h]
* Power	: 3 [kW]
- Diffusion pump	: Edwards HT16B
* Pumping speed	: 6.500 [l/s]
* Power	: 9 [kW]
GAS	
- Cooling gas	: Argon or Nitrogen
- Power	: 90 [kW]
Water	
- Min. / max. pressure (inlet)	: 2.5 / 3.0 [bars]
- Min. / max. pressure (outlet)	: 0 / 0.5
- Flow rate for heat exchanger during cooling phase	: 400 [lpm]

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- Furnace chamber flow rate : 200 [lpm]
- Max. inlet temperature : 30 [°C]
- Max. inlet temperature (DP) : 25 [°C]
POWER SUPPLY
- Supply voltage : 400 [V]
- Total installed power : 120 [kVA]
WEIGHT & DIMENSIONS
- Machine floor space : 4.682 x 4.356 [mm]
- Machine height : 3.242 [mm]
- Machine weight : 5000 [kg]
- Vacuum level : 10-5
- Cooling pressure level : 11.5 bar abs

EQUIPMENT

- CNC : Siemens S7