



T19 Pro Hyd.

Product Manual

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BITMAIN

BITAMIN TECHNOLOGIES INC.

1. Specification

Product Glance	Value
Model	T19 Pro Hyd.
Version	K0-10
Crypto algorithm/coins	SHA256 BTC/BCH/BSV
Typical hashrate, TH/s ⁽¹⁻¹⁾	246
Power on wall @35°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	5412
Power efficiency on wall@35°C ⁽¹⁻²⁾ , J/T ⁽¹⁻¹⁾	22

Detailed Characteristics	Value
Power supply	
Power supply AC input voltage, Volt ⁽²⁻¹⁾	380~415V AC
Power supply AC input frequency range, Hz	50~60
Power supply AC input current, Amp ⁽²⁻²⁾	12
Hardware configuration	
Network connection mode	RJ45 Ethernet 10/100M
Server size (length*width*height, w/o package), mm	410*170*209
Server size (length*width*height, with package), mm	570*316*430
Net weight, kg	12.8
Gross weight, kg	14.1
Environment requirements	
Inlet water temperature, °C ⁽²⁻³⁾	20~50
Water flow, L/min	8.0~10.0
Water pressure, bar	≤3.5
Working fluid ⁽²⁻⁴⁾	Antifreeze/ Deionized water/ Pure water
Liquid PH	8.5~9.5
Diameter of water pipe connector, mm	DN10
Storage temperature, °C	-20~70
Operation humidity(non-condensing), RH	10~90%

Notes:

(1-1) The hashrate value, power on wall, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by $\pm 3\%$, and the actual Power on wall and Power efficiency on wall fluctuate by $\pm 5\%$.

(1-2) Inlet water temperature.

(2-1) Caution: Wrong input voltage may cause server damaged.

(2-2) Three-phase AC input, 12A max.

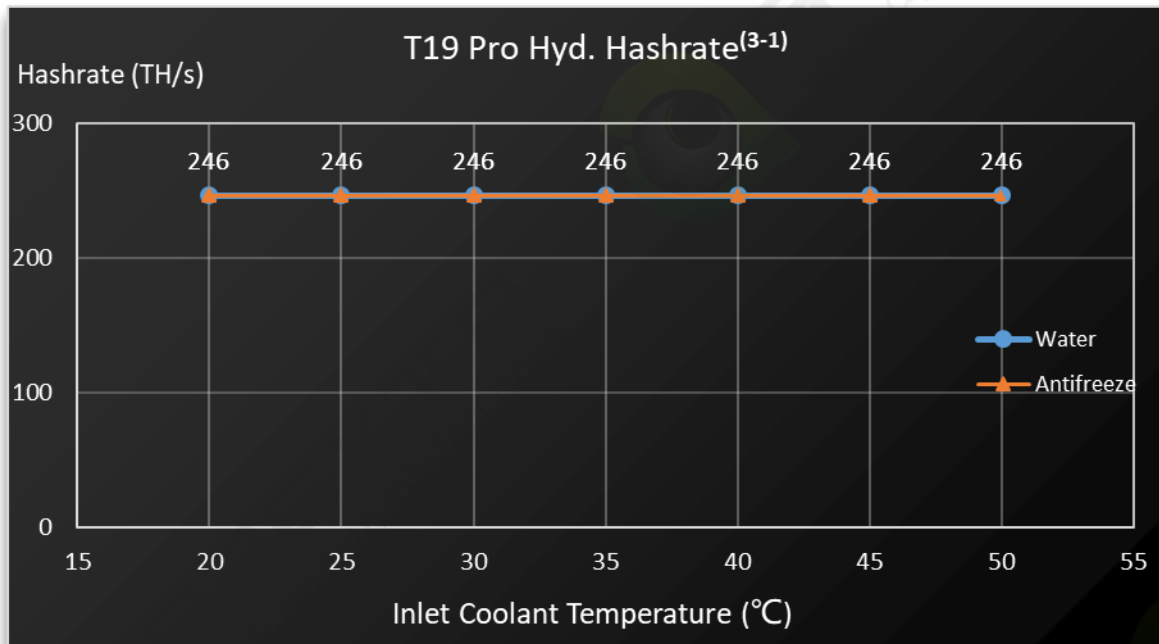
(2-3) If the inlet water temperature is lower than 20 °C, the miner cannot be started. **For the external dry cooler (EC2-DT),**

- if the outlet water temperature is 35°C, the maximum ambient temperature is 30°C;
- if the outlet water temperature is 45°C, the maximum ambient temperature is 40°C;
- if the outlet water temperature is 50°C, the maximum ambient temperature is 45°C.

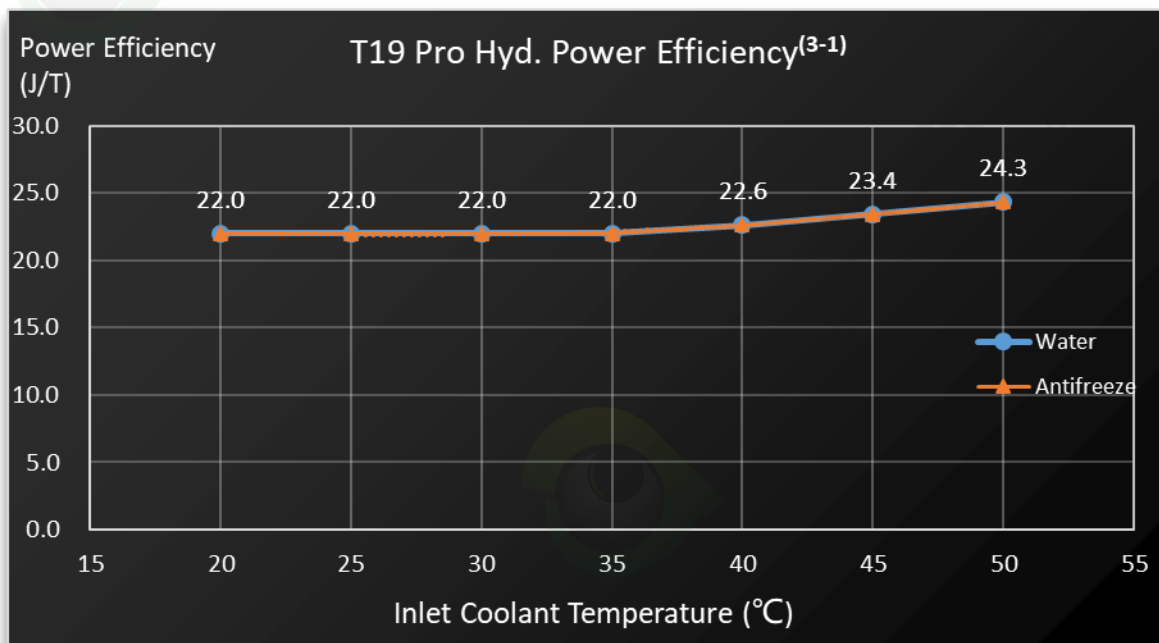
(2-4) If the water conductivity is $\geq 100 \mu\text{S/cm}$, the fluid must be replaced. The water conductivity is less than $20 \mu\text{S/cm}$ when the system is running at the first time.

2. Performance Curve

(1) Hashrate vs. Inlet Water Temperature



(2) Power Efficiency vs. Inlet Water Temperature



(3-1) The hashrate value, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by $\pm 3\%$, and the actual power efficiency on wall fluctuate by $\pm 5\%$.