

WHATSMINER M64

176 °F (80°C)



19.9J/T
180~206T

SPECIFICATION

Hashrate	180~206T ± 10%
Power Ratio	19.9J/T ± 5%
PSU	AC220~277V, input 5kw
Size	371mm*290mm*109mm with handle
Weight	Net weight: 16kg
Coolant demand per machine	About 1L
Power Cable Model	Custom made, ≥25A
Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid temperature

- Working temperature (inlet): 35 °C ~70 °C @normal mode
35 °C ~55 °C @high performance mode;
- Inlet temperature control accuracy ± 2 °C
- Storage and transportation temperature: -40~70 °C

Note: please empty the liquid in the equipment during storage and transportation.

Liquid flow

- Limited Data: ≥ 3.5 L/min
- Flow control accuracy $\pm 10\%$

Remarks: 3.5L/min corresponds to the temperature difference between inlet and outlet water close to 15 °C @normal mode, 20 °C @high performance mode

Liquid pressure

≤ 400 kpa

Remarks: when the pressure is more than 400kpa, the water-cooled plate will be deformed and cause the risk of coolant leakage.

Liquid medium

Special coolant: pure water (or distilled water) + special corrosion inhibitor + antifreeze (select the ratio according to the freezing point);

Notice:

- (1) The coolant must meet the index requirements listed in Table 3;
- (2) The coolant needs to be tested regularly. For testing indicators and testing cycles, refer to Table 4. When the testing data exceeds or is lower than the testing indicators, its performance will not meet the requirements and the coolant must be replaced.
- (3) It is recommended to replace the coolant after one year of use;

Liquid PH

Control range: 6~8

Liquid medium circulation system(Machine side)

- Anti-rust and anti-corrosion of pipeline;
- The particle diameter of the liquid medium is ≤ 53 microns, that is, the circulation system is equipped with a 270mesh filter;
- Before connecting the cabinet to the heat dissipation system, clean and filter the system pipeline with deionized water to remove dust, welding slag and other impurities;
- The temperature resistance of system components is above 85°C;
- The circulatory system is recommended to be equipped with a UV lamp sterilization device to prevent the liquid from breeding bacteria and attenuate the heat dissipation capacity of the system;
- The system is equipped with a 4bar safety relief valve;
- The system is equipped with a constant pressure expansion tank.

Note: when the temperature of the coolant rises after the miner is turned on the pressure will rise.

Humidity

- Working humidity: 5%RH~85%RH (non-condensing)
 - Storage humidity: 5%RH~95%RH (non-condensing)
 - Long-term storage humidity: 30%RH~69%RH (no condensation)
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Remarks: The above liquid temperature and flow parameters are based on deionized water as the liquid medium. If the liquid medium uses antifreeze, the liquid temperature and flow parameters need to be calculated separately. Table 2 shows an example of 30% glycol antifreeze temperature and flow parameters.