



WHATSMINER M6X Series Product Manual

December 2024



Shenzhen MicroBT Electronics Technology Co.,Ltd.

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WHATSMINER M66S++

Immersion Cooling



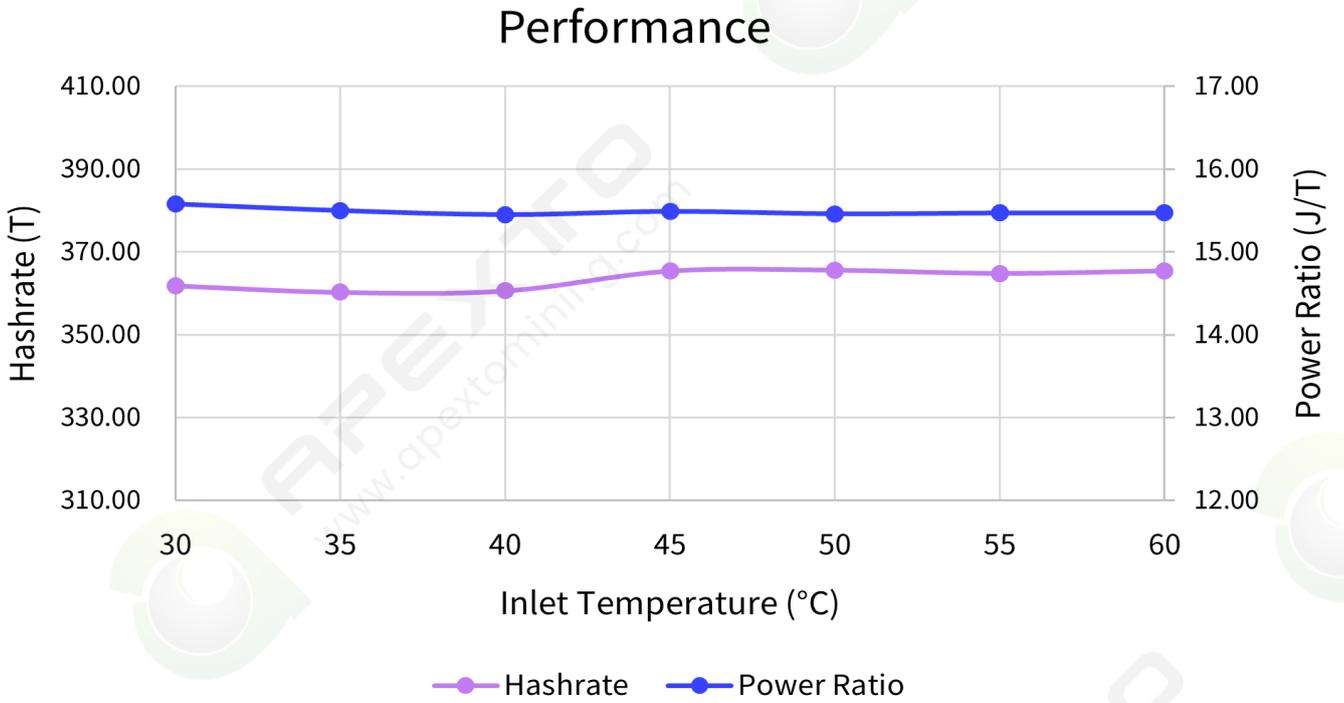
SPECIFICATION

Power Ratio	15.5 J/T ± 5 %	Hashrate	314 T - 356 T ± 10 %
Weight	18 kg (Net) 19 kg (Gross)	Size with Handle	267.5 mm × 147 mm × 401 mm
Input Voltage	AC 380 V - 480 V	Power Cable Model	Custom made, ≥ 16 A
Internet Connections	Ethernet	—	—

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 24 L/min ② Flow control accuracy: ± 10 %
Liquid Medium	<p>Special coolant: Insulating liquid (S5X/S3X)</p>
Humidity	<ul style="list-style-type: none"> ① Storage humidity: 5 % RH – 95 % RH (non-condensing) ② Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M66S+

Immersion Cooling



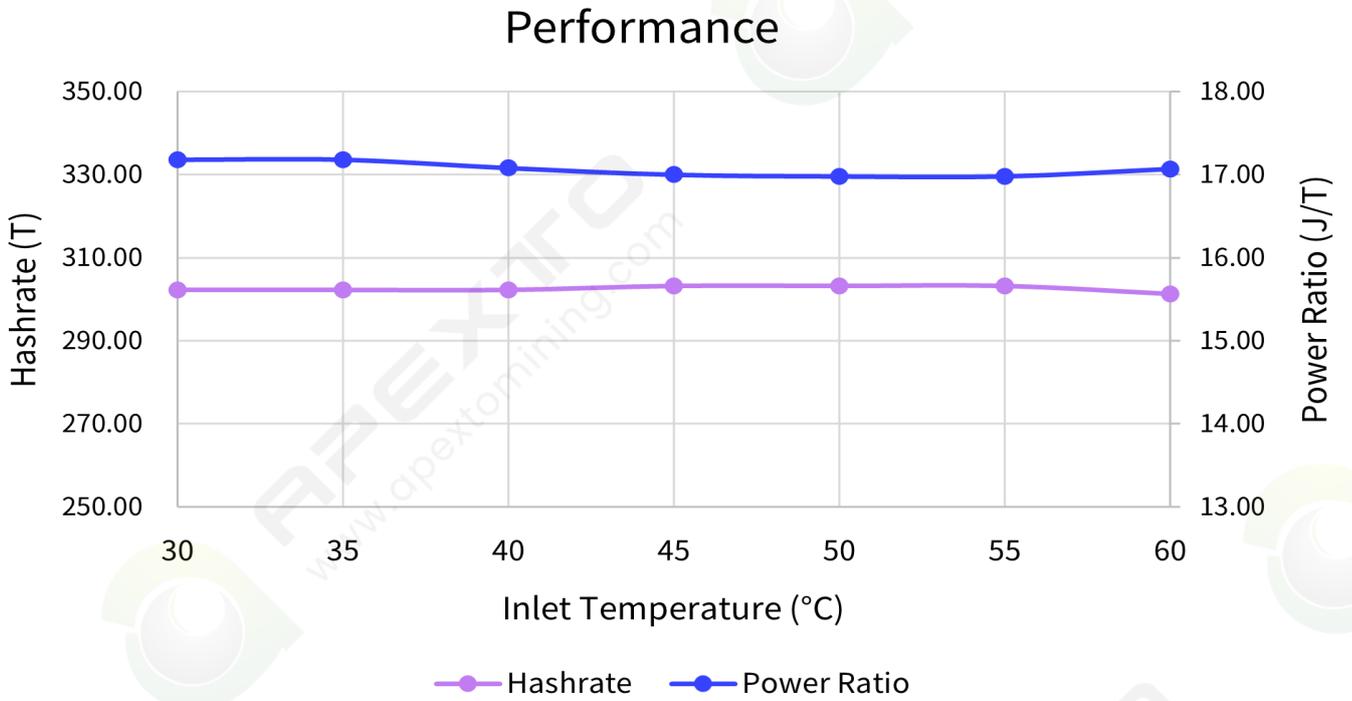
SPECIFICATION

Power Ratio	17 J/T ± 5 %	Hashrate	280 T - 318 T ± 10 %
Weight	18 kg (Net) 19 kg (Gross)	Size with Handle	267.5 mm × 147 mm × 401 mm
Input Voltage	AC 380 V - 480 V	Power Cable Model	Custom made, ≥ 16 A
Internet Connections	Ethernet	—	—

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 24 L/min ② Flow control accuracy: ± 10 %
Liquid Medium	<p>Special coolant: Insulating liquid (S5X/S3X)</p>
Humidity	<ul style="list-style-type: none"> ① Storage humidity: 5 % RH – 95 % RH (non-condensing) ② Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M66S

Immersion Cooling



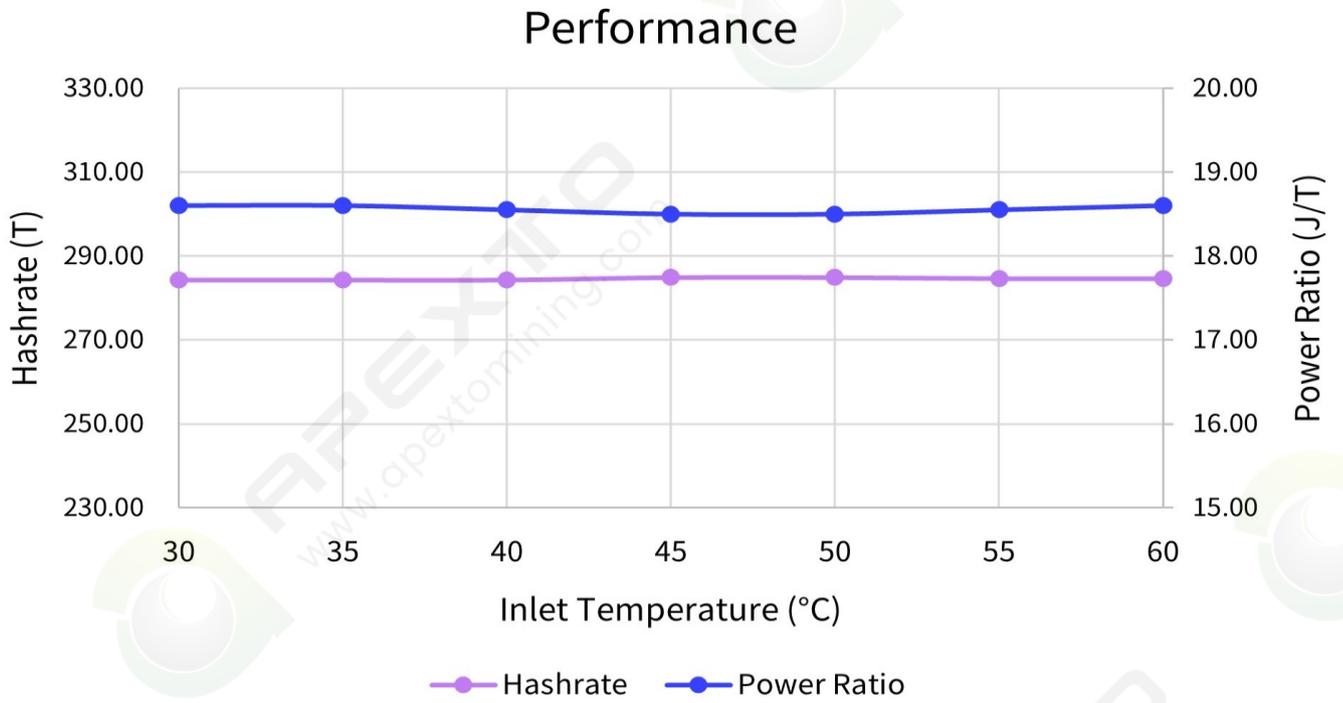
SPECIFICATION

Power Ratio	18.5 J/T ± 5 %	Hashrate	270 T - 298 T ± 10 %
Weight	16 kg (Net) 17 kg (Gross)	Size with Handle	267.5 mm × 147 mm × 401 mm
Input Voltage	AC 380 V - 480 V	Power Cable Model	Custom made, ≥ 16 A
Internet Connections	Ethernet	—	—

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 24 L/min ② Flow control accuracy: ± 10 %
Liquid Medium	<p>Special coolant: Insulating liquid (S5X/S3X)</p>
Humidity	<ul style="list-style-type: none"> ① Storage humidity: 5 % RH – 95 % RH (non-condensing) ② Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M66

Immersion Cooling



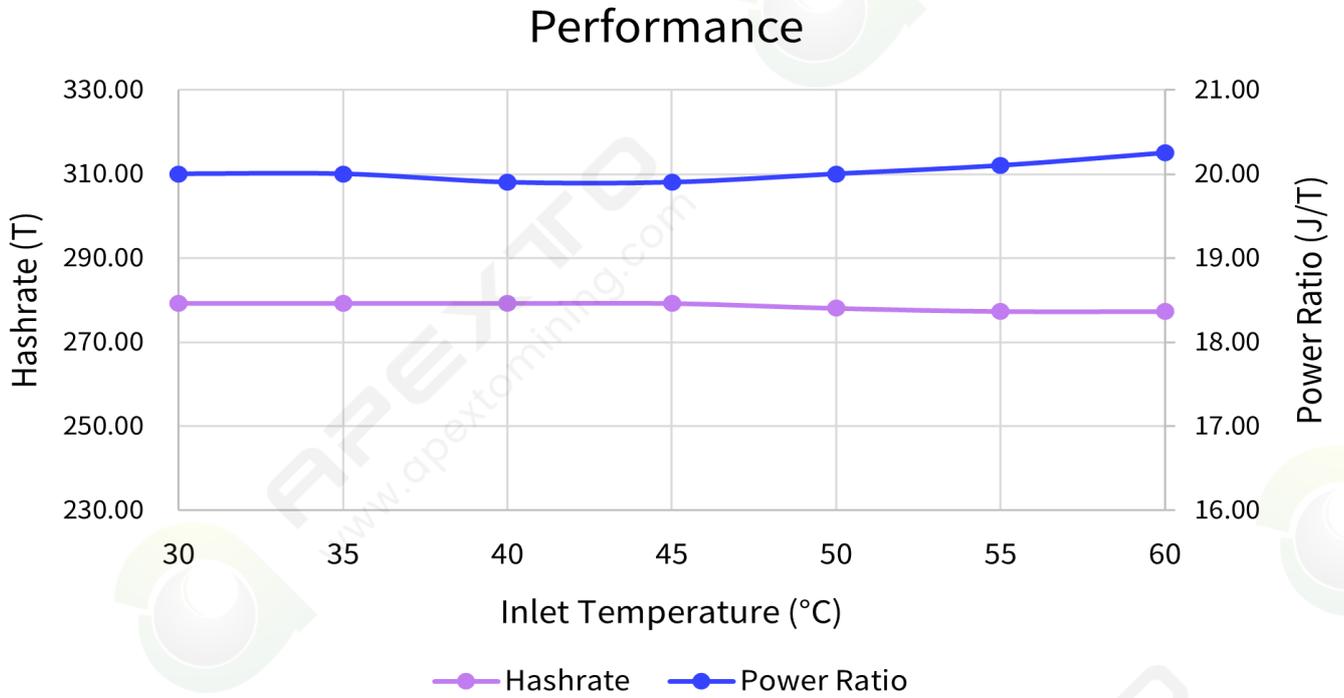
SPECIFICATION

Power Ratio	19.9 J/T ± 5 %	Hashrate	240 T - 276 T ± 10 %
Weight	16 kg (Net) 17 kg (Gross)	Size with Handle	267.5 mm × 147 mm × 401 mm
Input Voltage	AC 380 V - 480 V	Power Cable Model	Custom made, ≥ 16 A
Internet Connections	Ethernet	—	—

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 24 L/min ② Flow control accuracy: ± 10 %
Liquid Medium	<p>Special coolant: Insulating liquid (S5X/S3X)</p>
Humidity	<ul style="list-style-type: none"> ① Storage humidity: 5 % RH – 95 % RH (non-condensing) ② Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M65S

Hydro-Cooling (Outlet temperature reaches up to 80 °C)



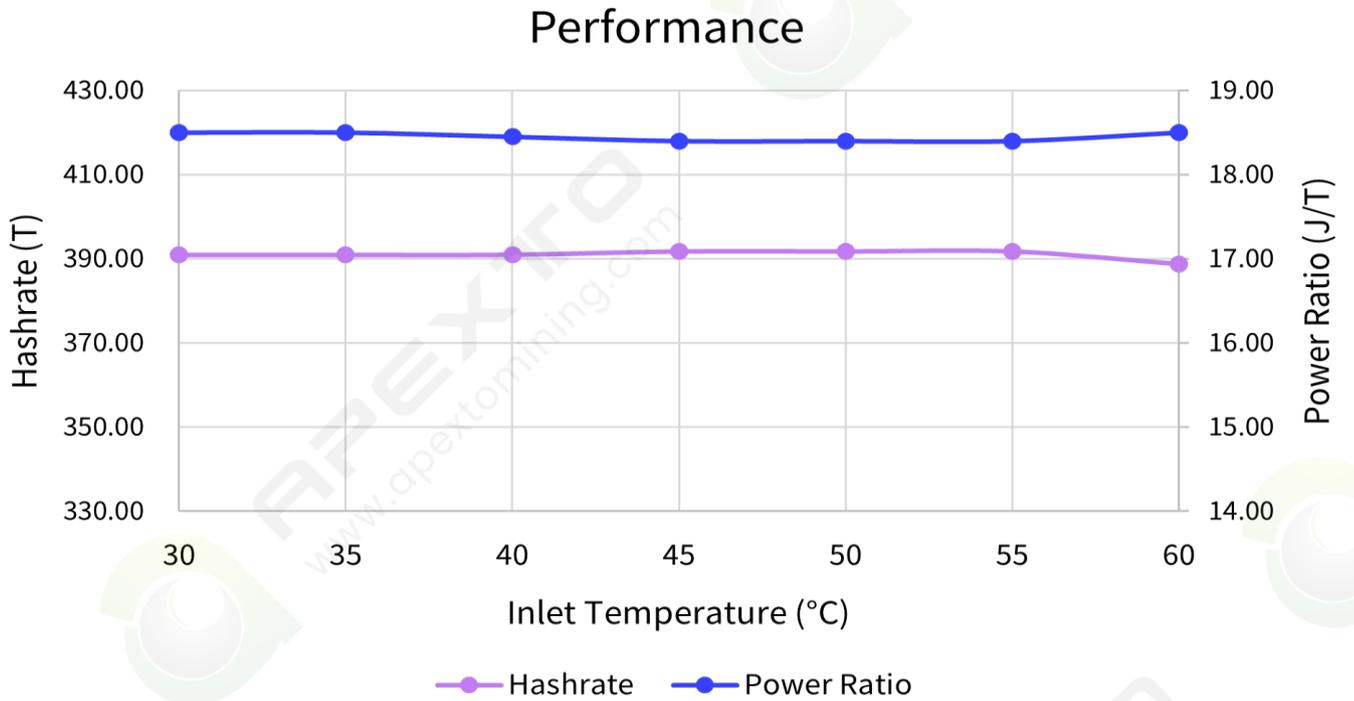
SPECIFICATION

Power Ratio	18.5 J/T ± 5 %	Hashrate	370 T – 400 T ± 10 %
Weight	27.5 kg (Net) 30 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V – 480 V Input 10 kW	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 30 °C – 60 °C @ normal mode, 30 °C – 50 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 5 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M64

Hydro-Cooling (Outlet temperature reaches up to 80 °C)



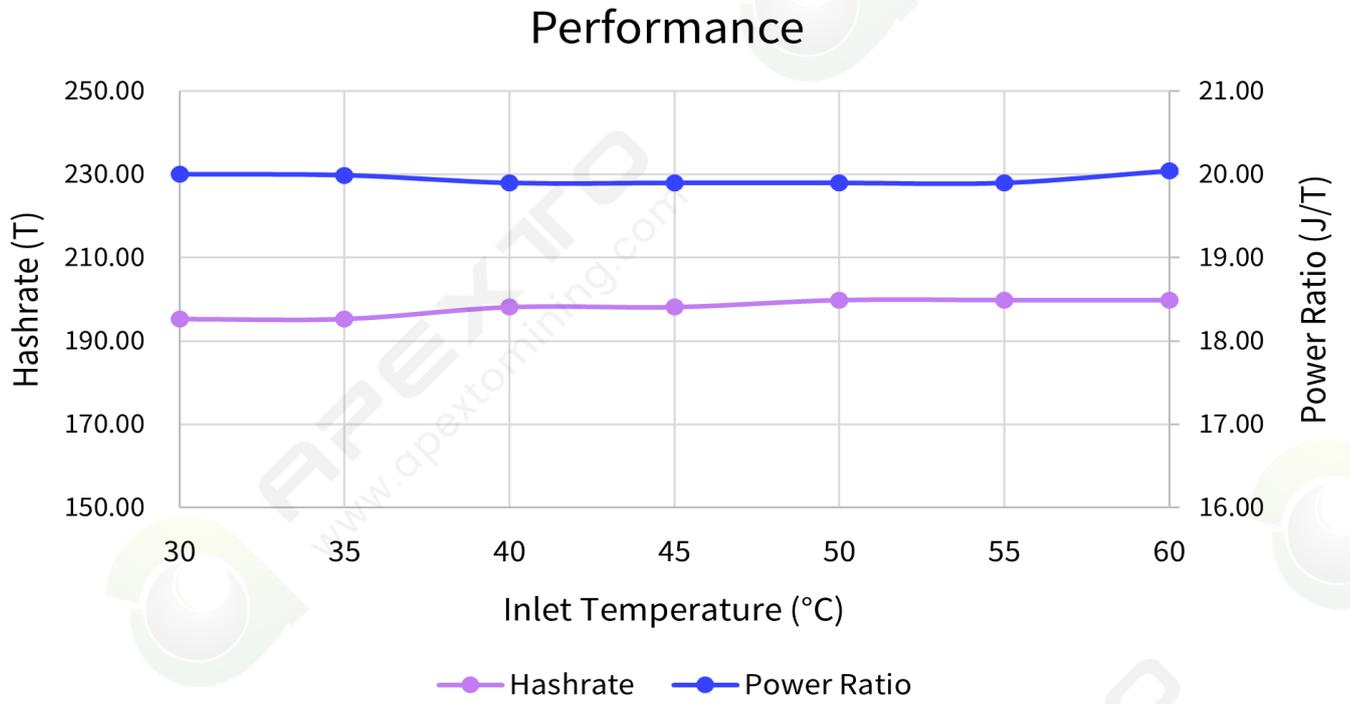
SPECIFICATION

Power Ratio	19.9 J/T ± 5%	Hashrate	180 T – 206 T ± 10%
Weight	16 kg (Net) 17 kg (Gross)	Size with Handle	371 mm × 290 mm × 109 mm
Input Voltage	AC 220 V – 277 V Input 5 kW	Power Cable Model	Custom made, ≥ 25 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 35 °C – 70 °C @ normal mode, 35 °C – 55 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 3.5 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M63S++

Hydro-Cooling (Outlet temperature reaches up to 70 °C)



SPECIFICATION

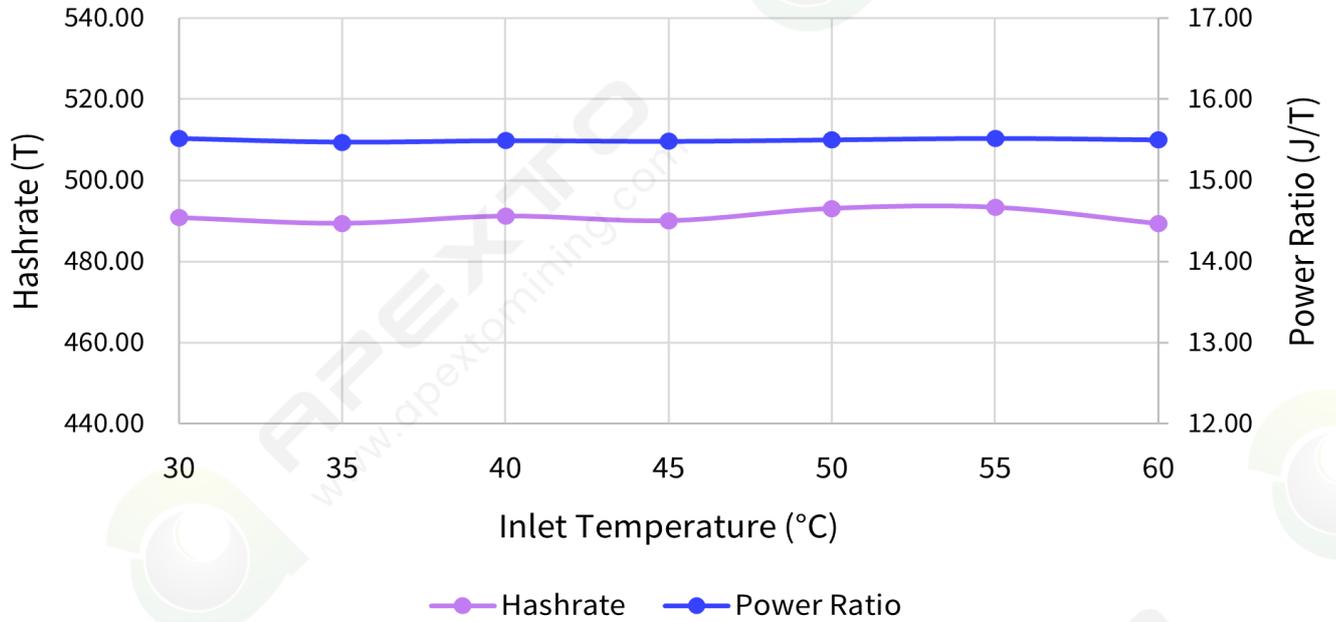
Power Ratio	15.5 J/T ± 5 %	Hashrate	434 T - 478 T ± 10 %
Weight	29.5 kg (Net) 32 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V - 480 V Input 10 Kw	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 10 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE

Performance



Prototype data for reference only.

WHATSMINER M63S+

Hydro-Cooling (Outlet temperature reaches up to 70 °C)



SPECIFICATION

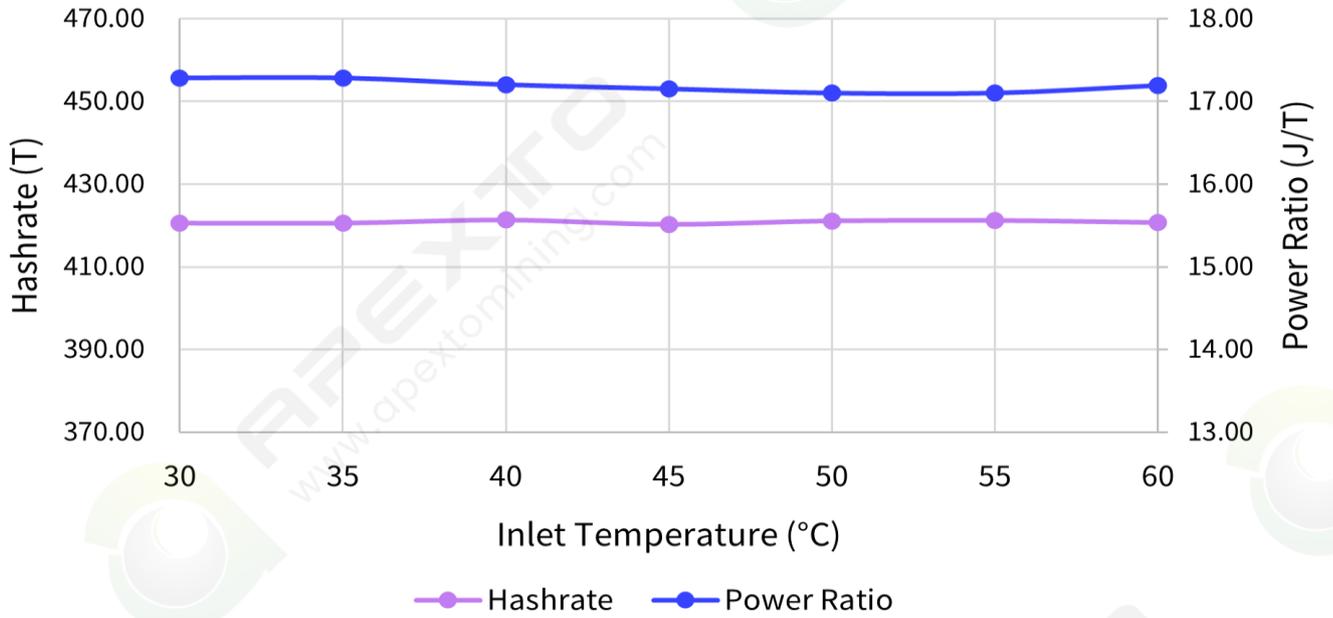
Power Ratio	17 J/T ± 5 %	Hashrate	390 T - 450 T ± 10 %
Weight	29.5 kg (Net) 32 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V - 480 V Input 10 Kw	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 10 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE

Performance



Prototype data for reference only.

WHATSMINER M63S

Hydro-Cooling (Outlet temperature reaches up to 70 °C)



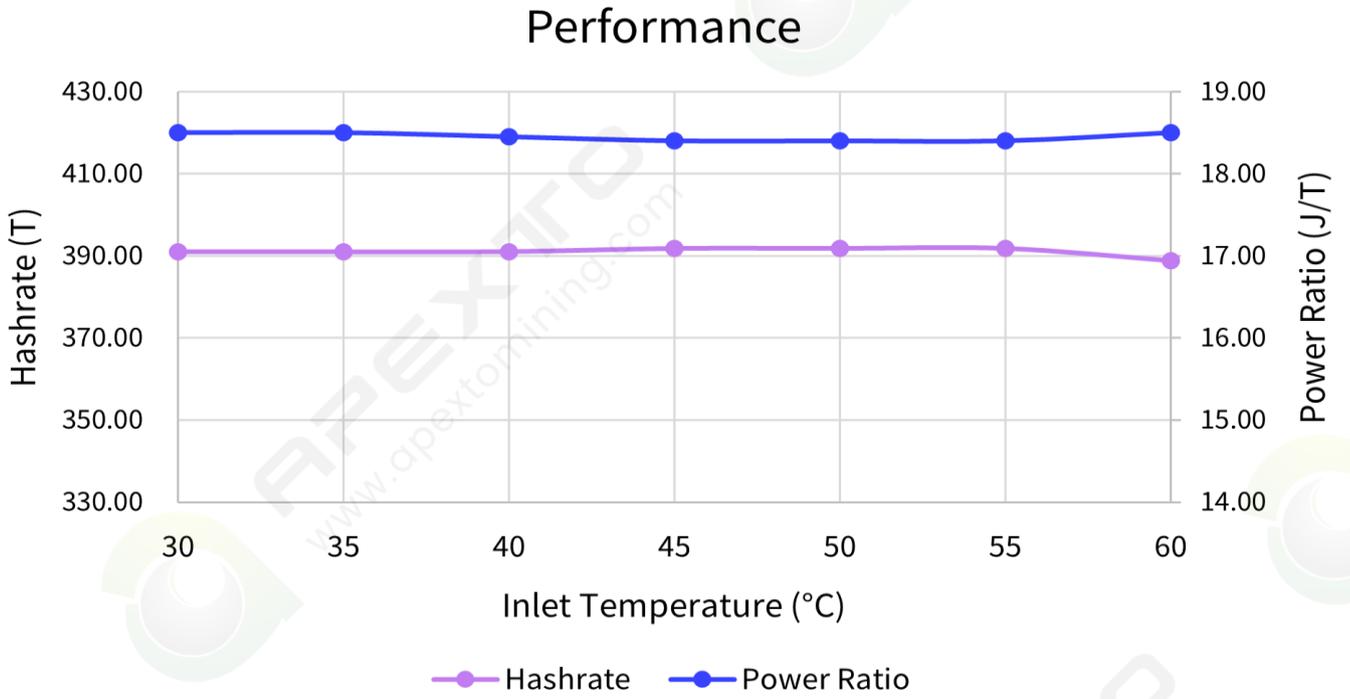
SPECIFICATION

Power Ratio	18.5 J/T ± 5 %	Hashrate	370 T - 400 T ± 10 %
Weight	27.5 kg (Net) 30 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V - 480 V Input 10 kW	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow: ≥ 10 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M63

Hydro-Cooling (Outlet temperature reaches up to 70 °C)



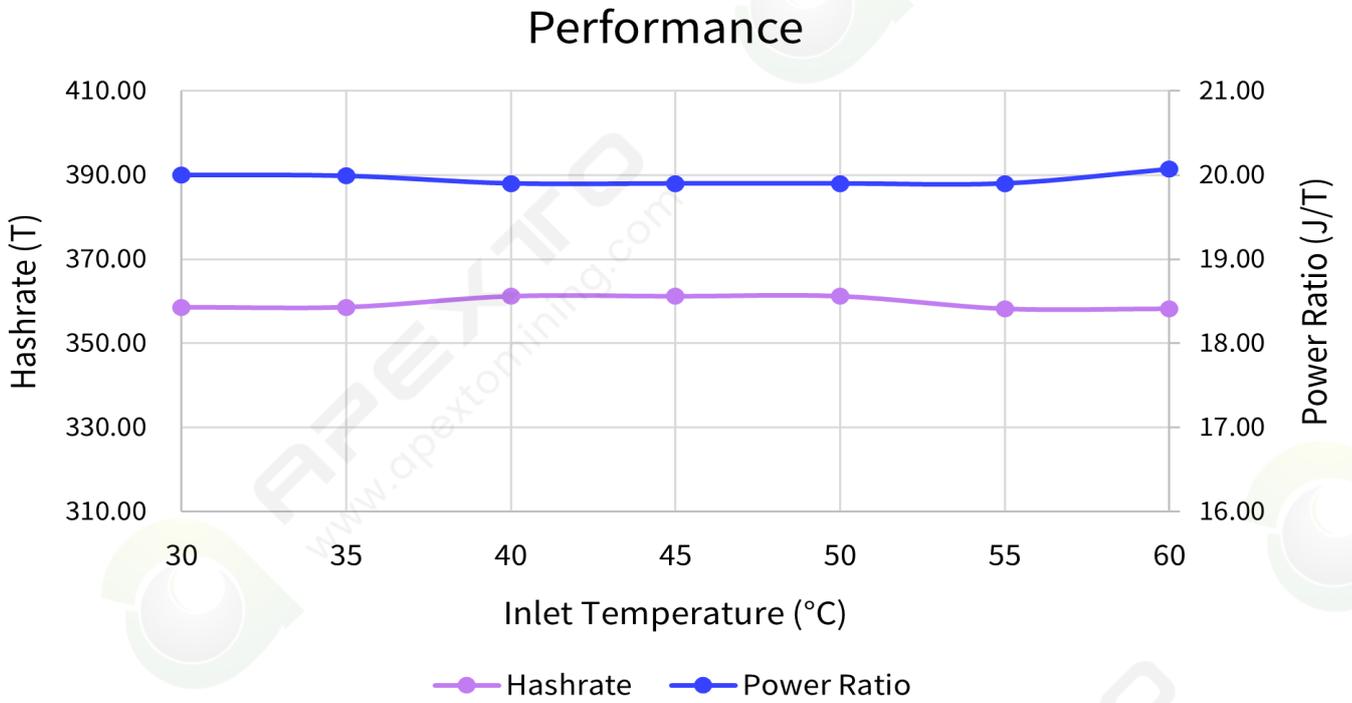
SPECIFICATION

Power Ratio	19.9 J/T ± 5 %	Hashrate	334 T – 366 T ± 10 %
Weight	27.5 kg (Net) 30 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V – 480 V Input 10 kW	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

ENVIRONMENTAL PARAMETERS

Liquid Temperature	<ul style="list-style-type: none"> ① Working temperature (inlet): 25 °C – 55 °C @ normal mode, 25 °C – 45 °C @ high performance mode ② Inlet temperature control accuracy: ± 2 °C ③ Storage and transportation temperature: -40 °C – +70 °C
Liquid Flow	<ul style="list-style-type: none"> ① Rated flow : ≥ 10 L/min ② Flow control accuracy: ± 10 %
Liquid Pressure	≤ 400 Kpa
Liquid Medium	Special coolant: Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)
Liquid PH	Control range: 7 – 8.7
Humidity	<ul style="list-style-type: none"> ① Working humidity: 5 % RH – 85 % RH (non-condensing) ② Storage humidity: 5 % RH – 95 % RH (non-condensing) ③ Long-term storage humidity: 30 % RH – 69 % RH (non-condensing)

PERFORMANCE



Prototype data for reference only.

WHATSMINER M60S++

Air Cooling

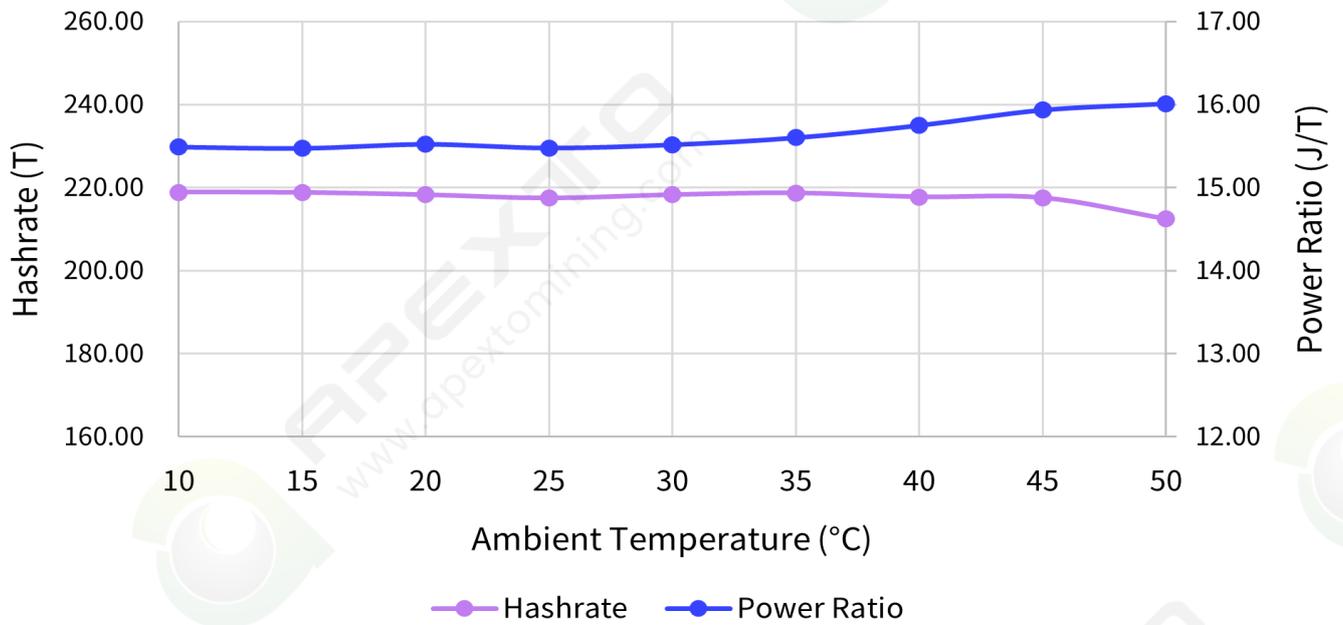


SPECIFICATION

Power Ratio	15.5 J/T \pm 5 % @ 25 °C	Hashrate	200 T – 226 T \pm 5 %
Weight	11.5 kg (Net) 12.6 kg (Gross)	Size	430 mm \times 155 mm \times 226 mm
Working Temperature	-5 °C – +35 °C	Air Flow	350 CFM
Power On Wall	3230 W – 3570 W \pm 10 %	Power Cable Model	IEC C19, \geq 16 A
Input Voltage	AC 220 V – 240 V	Internet Connections	Ethernet

PERFORMANCE

Performance



Prototype data for reference only.

WHATSMINER M60S+

Air Cooling

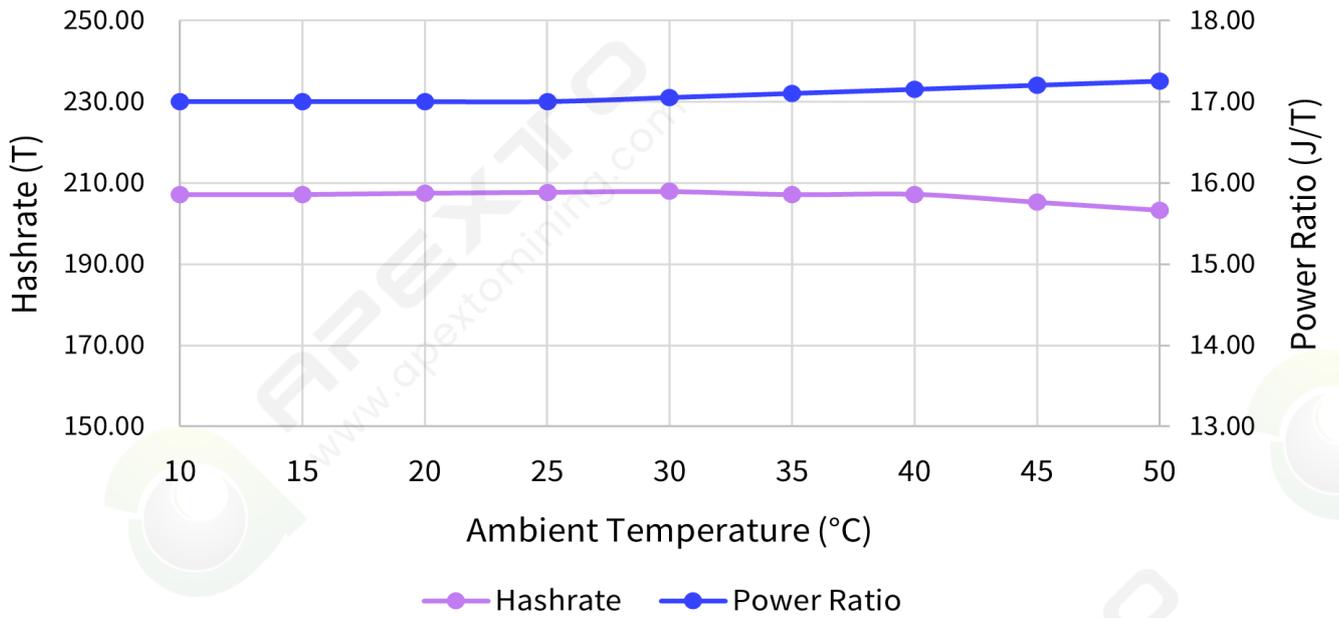


SPECIFICATION

Power Ratio	17 J/T \pm 5 % @ 25 °C	Hashrate	190 T – 210 T \pm 5 %
Weight	11.5 kg (Net) 12.6 kg (Gross)	Size	430 mm \times 155 mm \times 226 mm
Working Temperature	-5 °C – +35 °C	Air Flow	350 CFM
Power On Wall	3230 W – 3570 W \pm 10 %	Power Cable Model	IEC C19, \geq 16 A
Input Voltage	AC 220 V – 240 V	Internet Connections	Ethernet

PERFORMANCE

Performance



Prototype data for reference only.

WHATSMINER M60S

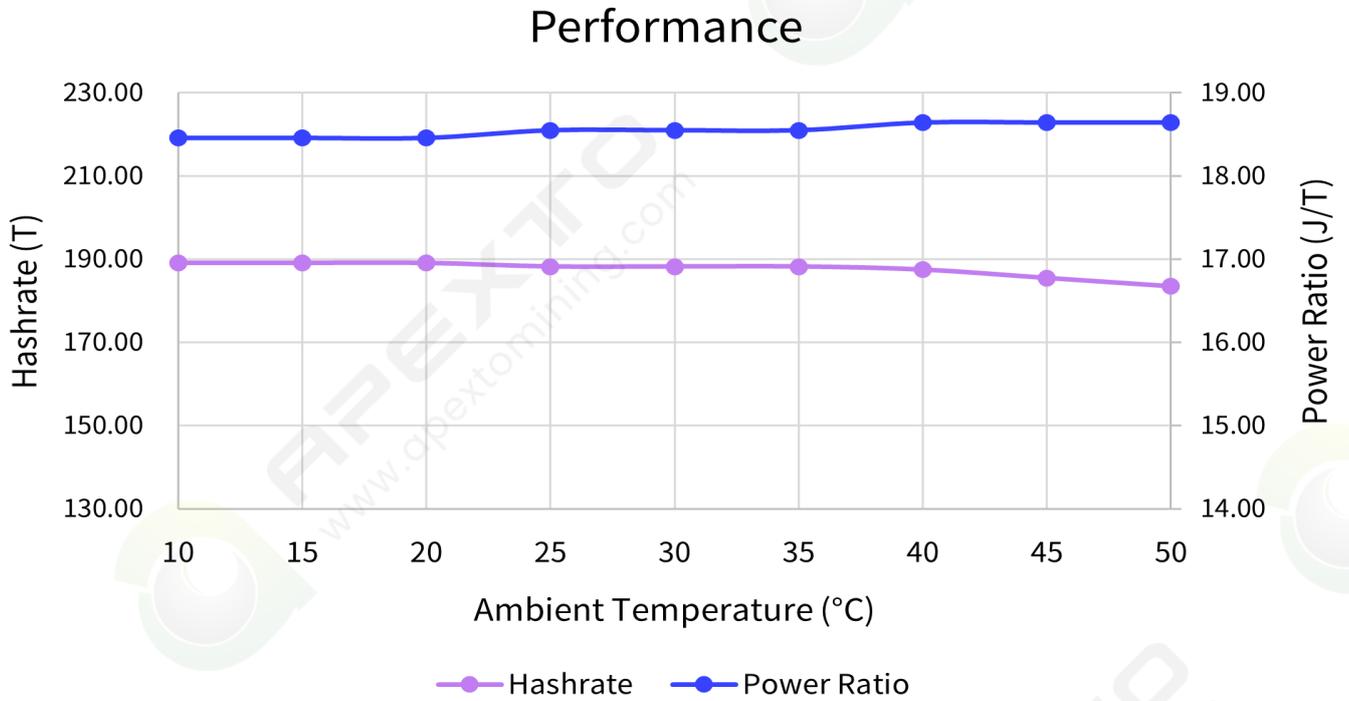
Air Cooling



SPECIFICATION

Power Ratio	18.5 J/T \pm 5 % @ 25 °C	Hashrate	170 T – 186 T \pm 5 %
Weight	11.5 kg (Net) 12.6 kg (Gross)	Size	430 mm \times 155 mm \times 226 mm
Working Temperature	-5 °C – +35 °C	Air Flow	350 CFM
Power On Wall	3145 W – 3441 W \pm 10 %	Power Cable Model	IEC C19, \geq 16 A
Input Voltage	AC 220 V – 240 V	Internet Connections	Ethernet

PERFORMANCE



Prototype data for reference only.

WHATSMINER M60

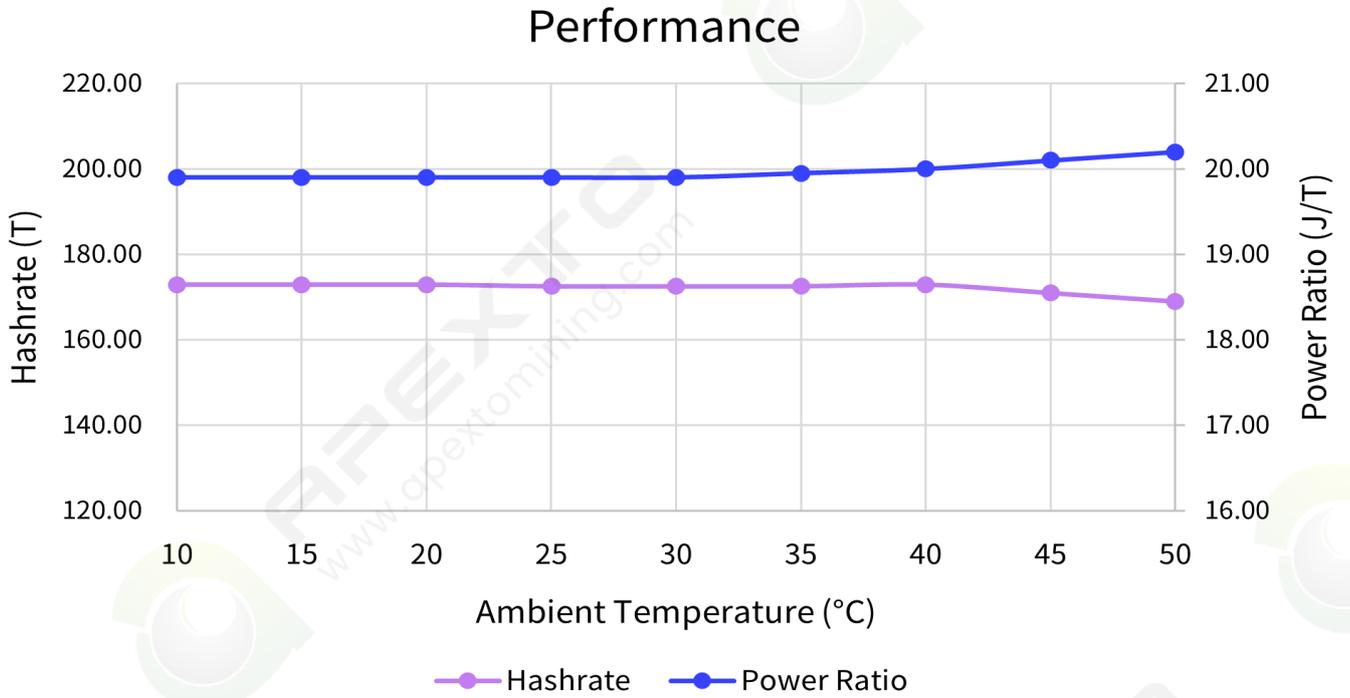
Air Cooling



SPECIFICATION

Power Ratio	19.9 J/T \pm 5 % @ 25 $^{\circ}$C	Hashrate	150 T – 172 T \pm 5 %
Weight	11.5 kg (Net) 12.6 kg (Gross)	Size	430 mm \times 155 mm \times 226 mm
Working Temperature	-5 $^{\circ}$C – +35 $^{\circ}$C	Air Flow	350 CFM
Power On Wall	2985 W – 3422 W \pm 10 %	Power Cable Model	IEC C19, \geq 16 A
Input Voltage	AC 220 V – 240 V	Internet Connections	Ethernet

PERFORMANCE



Prototype data for reference only.