

# Thermaltake TOUGHFAN 12

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Thermaltake	

Thermaltake TOUGHFAN PWM-controlled high static pressure fan features an optimized structure to maximize high-end cooling needs.

## **Unparalleled Cooling Performance**

The TOUGHFAN is a PWM controlled fan which is designed to perform at a maximum operating speed of up to 2000 RPM allowing unparalleled cooling performance.

## **Exceptional Blade Design**

Featuring high tensile strength and low thermal expansion coefficient materials, the fan blade is built with special liquid crystal polymer (LCP), a compound which minimizes vibration when the fan is operating at full speed.

## **Metal-Reinforced Motor Hub**

The TOUGHFAN's center is constructed with a full steel motor hub providing enhanced stability and durability.

## **The 2nd Generation Hydraulic Bearing**

The 2nd generation hydraulic bearing incorporates a new shaft design with inside etches allowing preservation of lubricant on both sides whilst reducing noise during operation. Lowering audible levels and extending lifespan.

## **Built for Superior Cooling**

The TOUGHFAN is designed for all cooling applications. It's your perfect go to solution whether your using it as radiator fan or on a air cooler. Level up with the TOUGHFAN for superior cooling performance.

## **Anti-Vibration Mounting System**

The in-mold injection anti-vibration rubber pads dampen the vibration of the fan allowing the fan to spin at higher levels without compromising noise levels. The fan is designed with 80% coverage for all corners, maintaining low noise levels when in operation.

## **Zusammenfassung**

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Thermaltake TOUGHFAN 12, Fan, 12 cm, 500 RPM, 2000 RPM, 22.3 dB, 58.35 cfm

Thermaltake TOUGHFAN 12. Type: Fan, Fan diameter: 12 cm, Rotational speed (min): 500 RPM, Rotational speed (max): 2000 RPM, Noise level (low speed): 19.2 dB, Noise level (high speed): 22.3 dB, Maximum airflow: 58.35 cfm, Maximum air pressure: 2.41 mmH2O, Bearing type: Hydraulic. Product colour: Black

## Merkmale

### Logistics data

Harmonized System (HS) code	84733080
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### Weight & dimensions

Fan dimensions (W x D x H)	120 x 120 x 25 mm
Fan weight	212.5 g

### Design

Product colour	Black
Number of fans	2 fan(s)
Fan connector	4-pin

### Power

Power consumption (typical)	1.44 W
Rated voltage	12 V
Starting voltage	9 V
Rated current	0.12 A

### Performance

Suitable location	Computer case
Type	Fan
Fan diameter	12 cm
Supported processor sockets	Not supported
Compatible processor series	Not supported
Rotational speed (min)	500 RPM
Rotational speed (max)	2000 RPM
Noise level (low speed)	19.2 dB
Noise level (high speed)	22.3 dB
Maximum airflow	58.35 cfm
Maximum air pressure	2.41 mmH2O
Pulse-width modulation (PWM) support	Y
Bearing type	Hydraulic
Quantity per pack	2 pc(s)
Mean time between failures (MTBF)	40000 h

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.