fractal
design

Celsius series

The Cool, Silent Type

The Celsius series builds upon proven technology with cutting edge advancements and premium sound dampening materials to deliver extreme cooling performance with minimum noise output.

Smart dual mode speed controls are both simple and robust with no need for additional software. Both fan and pump speeds can be managed by an intelligent auto mode or switched to PWM mode for precise user control.

For true enthusiasts, the satisfaction of a clean and efficient build can never be overstated, and the Celsius makes this easier than ever with an integrated fan hub and concealed cable routing.

Key features

- The Celsius series uses a combination of cutting edge technology and premium sound dampening materials to deliver extreme cooling performance with minimum noise output.
- An intelligent temperature-controlled auto mode adjusts fan and pump speeds in real-time for optimum balance of cooling performance and silence, while PWM mode enables precision manual tuning for any usage situation.
- Included Fractal Design Dynamic X2 PWM fans offer a wide speed adjustment range from 500 to 2000 RPM allowing for near silent operation under lighter loads and maximum airflow during heavy usage.
- An integrated fan hub with concealed cable routing simplifies cable management for a clean installation.
- Radiator fittings use standard G 1/4" thread for maximum compatibility and expandability with standard do-it-yourself components.Easily add and integrate a GPU block of your choice to eliminate noisy graphics card fans so the only sound you hear is the sound of your game.
- 5-year warranty (*Upon Expansion of the Celsius unit, only individual components of the Fractal Design Celisus S24 or S36 are covered)

Package contents

- Celsius S24 system
- 2 pcs Dynamic X2 GP-12 PWM fans
- Multilingual user manual
- Mounting hardware for all listed sockets
- Fan and radiator mounting screws

- Celsius S36 system
- 3 pcs Dynamic X2 GP-12 PWM fans
- Multilingual user manual
- Mounting hardware for all listed sockets
- Fan and radiator mounting screws

General specifications

Specification	• Celsius S24	• Celsius S36
Coldplate technology	• Fifth generation	• Fifth generation
Coldplate material	• Copper	• Copper
Additional sound dampening	• Integrated	• Integrated
Thermal paste	• Pre-applied, high thermal conductivity	• Pre-applied, high thermal conductivity
Sockets supported (Intel)	• 1150, 1151, 1155, 1156, 1366, 2011, 2011-v3	• 1150, 1151, 1155, 1156, 1366, 2011, 2011-v3
Sockets supported (AMD)	• AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+	• AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+
Tube length	• 400 mm	• 400 mm
Tube material	• Sleeved low-permeability rubber tubes	• Sleeved low-permeability rubber tubes
Fittings, block side	• Durable metal fittings, non-removable	• Durable metal fittings, non-removable
Fittings, radiator side	• Durable metal fittings, G 1/4" thread	• Durable metal fittings, G 1/4" thread
Thermal paste	• Pre-applied, high thermal conductivity	• Pre-applied, high thermal conductivity
Fan control	• Integrated dual mode	• Integrated dual mode
Warranty	• 5 years	• 5 years

Radiator specification		
Dimensions	• 284 x 122 x 31mm	• 403 x 123 x 30mm
Housing material	• Aluminium	• Aluminium
Fin material	• Aluminium	• Aluminium
Port threads	• G 1/4"	• G 1/4"
Fan screw threads	• UNC 6-32	• UNC 6-32

General specifications

Fan specification	• Celsius S24	• Celsius S36
Fan type	• Fractal Design Dynamic X2 GP-12 PWM	• Fractal Design Dynamic X2 GP-12 PWM
Rotational speed	• 500-2000 RPM	• 500-2000 RPM
Bearing	• LLS bearing	• LLS bearing
PWM control	• Yes	• Yes
Acoustical noise (full speed)	• 32.2 dB(A)	• 32.2 dB(A)
Maximum air flow	• 148.8 m3/h | 87.6 CFM	• 148.8 m3/h | 87.6 CFM
Maximum static pressure	• 2.30 mm H2O	• 2.30 mm H2O
Input voltage	• 12 V DC	• 12 V DC
Maximum input current	• 0.2A	• 0.2A
MTBF	• >100,000	• >100,000

Pump specification		
Rotational speed	• 1950-3150 RPM	• 1950-3150 RPM
Bearing type	• Ceramic bearing and shaft	• Ceramic bearing and shaft
PWM control	• Yes	• Yes
Acoustical noise (full speed)	• 20,0 dB(A)	• 20,0 dB(A)
Maximum pressure, 50°C	• 1m H2O | 1.45 PSI	• 1m H2O | 1.45 PSI
Input voltage	• 12 V DC	• 12 V DC
Input current (without fans)	• 0.15 A	• 0.15 A
Rated input power (with fans)	• 6.6W	• 9W
MTTF	• >50,000 hours	• >50,000 hours

Additional information

	Product Code	EAN	UPC	JAN
Celsius S24	FD-WCU-CELSIUS-S24-BK	7350041084457	817301014458	4537694237635
Celsius S36	FD-WCU-CELSIUS-S36-BK	7350041084464	817301014465	4537694237645