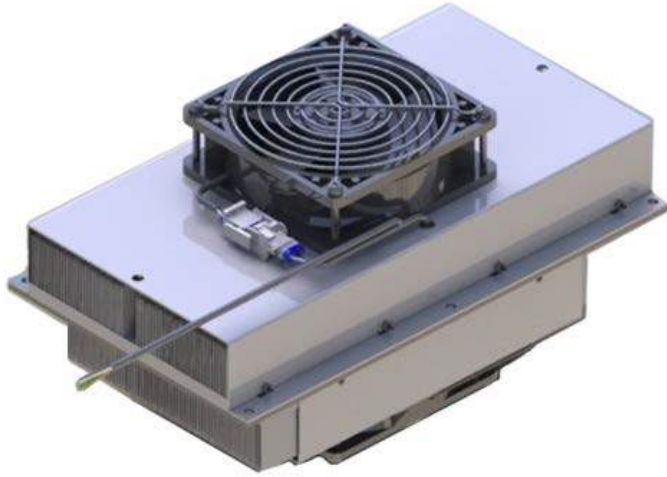


# Technical Data Sheet for Climatherm 305 Series

## Air to Air TE Exchanger Standard Product



### SPECIFICATIONS

Weight (kg)	4.8
Overtemp Thermostat	100°C ± 5°C (Both Sinks)
Operating Temp	-10°C to 60°C

### PRODUCT FEATURES

- RoHS EU Compliant
- For information regarding additional ordering options available, please contact a Marlow engineering representative.

### ORDERING OPTIONS

Model Number	Description
CTA305-0001-01	24V, Hot side wiring
CTA305-0001-02	24V, Cold side wiring
CTA305-0002-01	24V, Hot side wiring
CTA305-0002-02	24V, Cold side wiring
CTA305-0003-01	24V, Hot side wiring
CTA305-0003-02	24V, Cold side wiring

### OPERATION CAUTIONS

For maximum reliability, storage and operation below 60°C in a non-condensing environment is recommended.

**⚠ WARNING:** THIS PRODUCT CAN EXPOSE YOU TO NICKEL, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. FOR MORE INFORMATION GO TO [www.P65warnings/ca.gov](http://www.P65warnings/ca.gov)

### INSTALLATION

Recommended mounting methods: Attach through provided mounting holes with M5 hardware. Mounting template 489-1882 available.

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877-627-5691  
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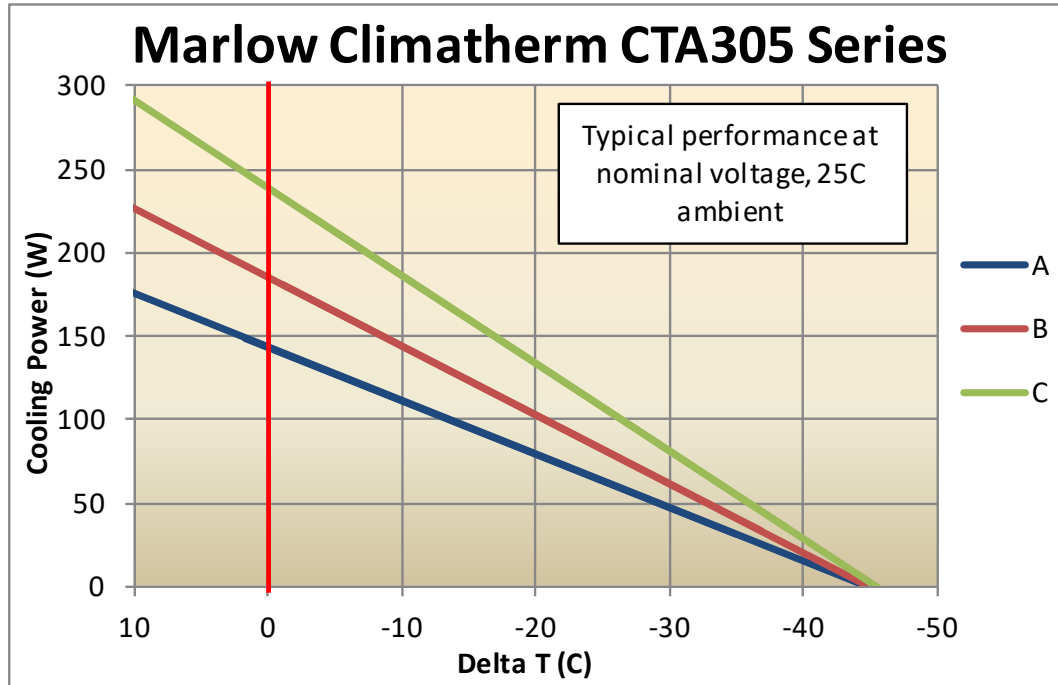
II-VI Japan Inc.  
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[www.ii-vi.co.jp](http://www.ii-vi.co.jp)

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86-10-643 98226  
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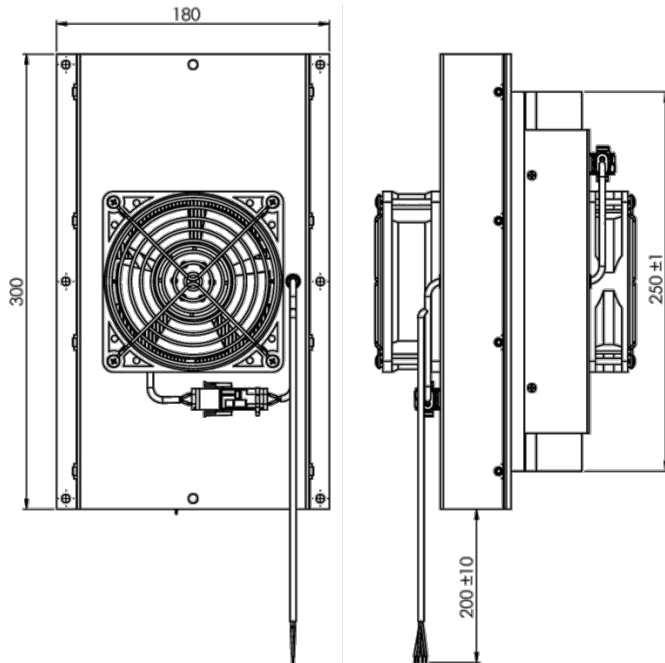


TYPICAL PERFORMANCE CURVES



For performance information, contact one of our Applications Engineers at 877-627-5691.

MECHANICAL CHARACTERISTICS



All units are in millimeters unless otherwise stated.

TYPICAL PERFORMANCE VALUES

Electrical Connections		
Color	PIN #	Description
White	1	TEC “+”
Blue	2	TEC “-”
Red	3	Fans “+”
Black	4	Fans “-”

Connectors	
Plug	Tyco P/N 480702-0
Socket	Tyco P/N 480703-0
PIN Plug	Tyco P/N 350547-1
PIN Socket	Tyco P/N 350550-1

Model Number	Voltage		Current		Cooling Power 0 dT W	External Fan Rating dB-A	Curve
	(nom/max)	(nom/max)	(nom/max)	(nom/max)			
CTA305-0001	24/28	7.5/9	143	51	A		
CTA305-0002	24/28	10.6/12	185	51	B		
CTA305-0003	24/28	14/16	239	58.5	C		

IP55 RATED FANS

For customer support or general questions please contact a local office or visit our website at [www.marlow.com](http://www.marlow.com).  
Marlow reserves the right to make product changes without notice.