

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

INSTALLATION

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

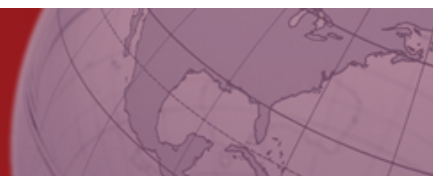
II-VI Marlow – Dallas, TX USA
214-340-4900
877-627-5691
marlow.sales@ii-vi.com

Marlow Industries Europe
GmbH - Germany
+49 (0) 6150 5439 - 403
info@marlow-europe.eu

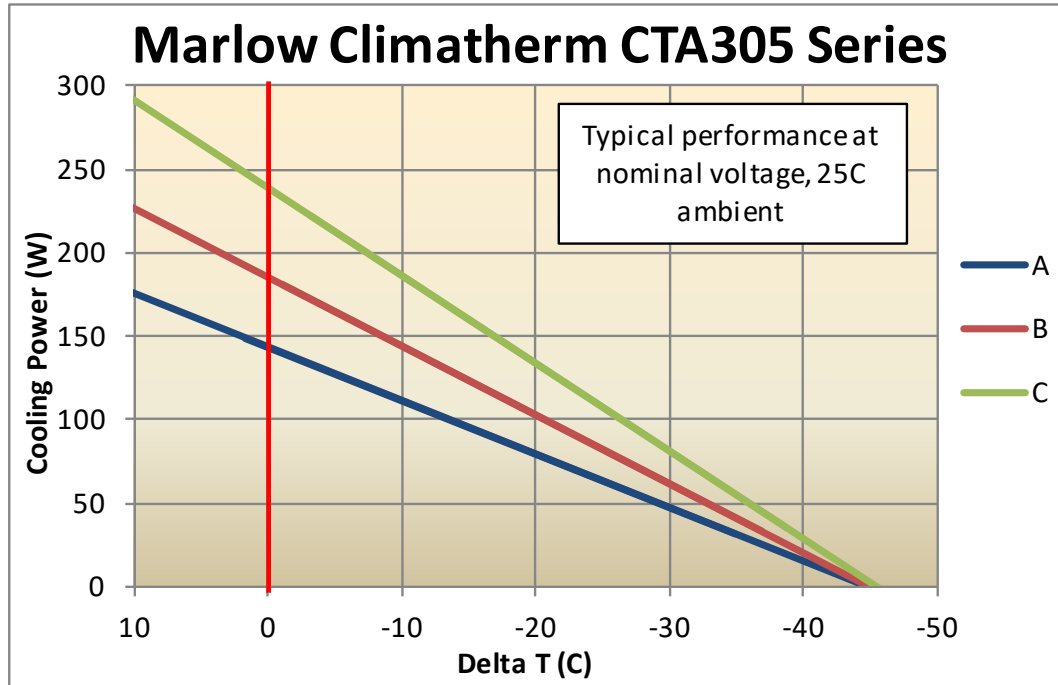
II-VI Japan Inc.
81 43 297 2693 (tel)
center@ii-vi.co.jp
www.ii-vi.co.jp

II-VI Singapore Pte., Ltd.
(65) 6481 8215 (tel)
info@ii-vi.com.sg

Marlow Industries China, II-VI
Technologies Beijing
86-10-643 98226
info@iivibj.com

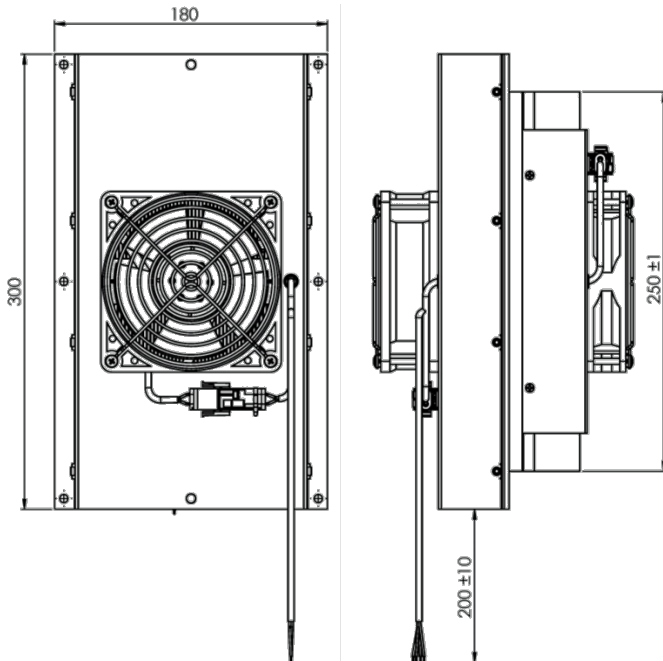


TYPICAL PERFORMANCE CURVES



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 |

| Available Configurations | | | | | |
|--------------------------|-----------|-----------|---------------|---------------------|-------|
| Model Number | Voltage | Current | Cooling Power | External Fan Rating | Curve |
| | (nom/max) | (nom/max) | 0 dT | dB-A | |
| 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.
Marlow reserves the right to make product changes without notice.