



# OPEN LOOP WIND TUNNELS

## Wind Tunnels for All Testing Needs

Advanced Thermal Solutions offers an array of 13 open-loop wind tunnels designed for component, board and heat sink characterization. Twelve are research quality test instruments with modulated air flow regimens, fifth degree polynomials and transparent Plexiglas test domains which allow optical access for flow visualization. They come replete with up to 18 sensor ports, velocity ranges from 0 to 1200 fpm and up to nine fans. Two are bench-top wind tunnels, designed for smaller labs, where space is at a premium.



**CWT-100™**



**CWT-106™**



**CWT-107™**



**CWT-PCB™**



**BWT-104™**



**BWT-100™**

## Technical Comparison

Product	Length	Width	Depth	Weight	Test Domain (W x L x D)	Sensor Ports	Velocity Range	Fans
CWT-100	71" (180 cm)	20" (51 cm)	71" (180 cm)	123 lbs (56 kg)	16" x 24" x 3" (41 cm x 61 cm x 7.6 cm)	12	0 to 1200 fpm (0 to 6 m/s)	Four 24 VDC
CWT-104	78" (198 cm)	42" (107 cm)	34" (86 cm)	164 lbs (74 kg)	24" x 24" x 4" (61 cm x 61 cm x 10 cm)	18	0 to 800 fpm (0 to 4 m/s)	Four 24 VDC
CWT-105	78" (198 cm)	42" (107 cm)	34" (86 cm)	165 lbs (75 kg)	24" x 24" x 5" (61 cm x 61 cm x 12.7 cm)	18	0 to 800 fpm (0 to 4 m/s)	Four 24 VDC
CWT-106	78" (198 cm)	42" (107 cm)	34" (86 cm)	169 lbs (77 kg)	24" x 24" x 6" (61 cm x 61 cm x 15.24 cm)	18	0 to 800 fpm (0 to 4 m/s)	Four 24 VDC
CWT-107	78" (198 cm)	40" (101 cm)	30" (76 cm)	175 lbs (79 kg)	24" x 24" x 7" (61 cm x 61 cm x 17.8 cm)	18	0 to 800 fpm (0 to 4 m/s)	Five 24 VDC
CWT-108	77" (195 cm)	40" (101 cm)	33" (83 cm)	193 lbs (88 kg)	24" x 24" x 8" (61 cm x 61 cm x 20.32 cm)	18	0 to 800 fpm (0 to 4 m/s)	Five 24 VDC
CWT-109	80" (203.2 cm)	42" (107 cm)	35" (89 cm)	195 lbs (88.4 kg)	24" x 24" x 9" (61 cm x 61 cm x 22.86 cm)	18	0 to 800 fpm (0 to 4 m/s)	Five 24 VDC
CWT-110	84" (213.4 cm)	42" (107 cm)	40" (100 cm)	198 lbs (90 kg)	24" x 24" x 10" (61 cm x 61 cm x 25.4 cm)	18	0 to 800 fpm (0 to 4 m/s)	Six 24 VDC
CWT-112	88" (223.5 cm)	42" (107 cm)	45" (114 cm)	201 lbs (91 kg)	24" x 24" x 12" (61 cm x 61 cm x 30.48 cm)	18	0 to 800 fpm (0 to 4 m/s)	Seven 24 VDC
CWT-125	94" (238.8 cm)	42" (107 cm)	60" (152 cm)	210 lbs (95 kg)	24" x 24" x 25" (61 cm x 61 cm x 63.5 cm)	18	0 to 800 fpm (0 to 4 m/s)	Nine 24 VDC
CWT-PCB	34" (86 cm)	40" (101 cm)	72" (183 cm)	135 lbs (61 kg)	20" x 20" x 3" (50.8 cm x 50.8 cm x 7.6 cm)	10	0 to 800 fpm (0 to 4 m/s)	Four 24 VDC
BWT-100	22.75" (58 cm)	10.75" (27 cm)	3" (7.5 cm)	8 lbs (4 kg)	7" x 21" x 1" (18 cm x 53 cm x 2.5 cm)	2	0 to 400 fpm (0 to 2 m/s)	Four DC muffin
BWT-104	36" (91 cm)	17" (43 cm)	18" (45 cm)	60 lbs (27 kg)	17" x 20" x 4" (43.2 cm x 50.8 cm x 10.2 cm)	18	0 to 800 fpm (0 to 4 m/s)	Three 24 VDC