

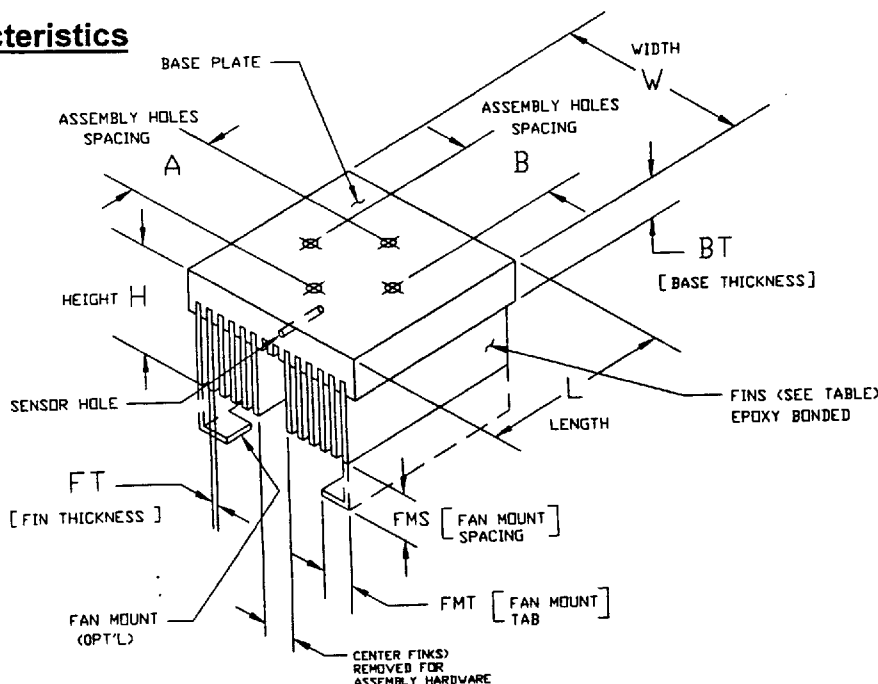
Finned Heat Exchangers

The Melcor Coordinated Components finned heat exchangers are designed specifically for our CP series of thermoelectric coolers (TECs). Each finned heat exchanger is a part of a series of matching components designed to work together as a complete thermoelectric system.

Some of the features of the Finned Heat Exchangers

- High fin density (up to 8 fins/inch)
- Optional fan mount bracket
- Lapped finish or copper plated
- Sensor hole for temperature monitoring
0.062"(1.58mm) diameter, 0.75"(19mm) deep
- Tapped and clearance assembly holes
Metric M3 and English 6-32

Mechanical Characteristics



Dimensions

Model	Dimensions						Assembly Holes	
	W		L		H		A	B
	Inch	mm	Inch	mm	Inch	mm	Type	Type
HX8-101	2.0	51	2.0	51	1.25	32	Tapped	Tapped
HX8-201	3.0	76	3.0	76	1.25	32	Clearance	Tapped
HX8-202	4.0	102	4.0	102	1.25	32	Clearance	Tapped
HX6-201	3.0	76	3.0	76	1.25	32	Clearance	Tapped
HX6-202	4.0	102	4.0	102	1.25	32	Clearance	Tapped
HX5-301	6.0	152	6.0	152	2.9	74	Clearance	Tapped



Hx8 - 101 - L - FM - M

-M denotes Metric Tapped Holes

Options

Surface Finish

Series #

Group

Group	F Fins/inch	BT Base Thickness	FT Fin Thickness	FMT Fan Mount Tab	FMS Fan Mount Spacing
Hx8	8	0.34"(8.6mm)	0.032"(0.8mm)	0.38"(9.6mm)	0.38"(9.6mm)
Hx6	6	0.32"(8.1mm)	0.032"(0.8mm)	0.38"(9.6mm)	0.38"(9.6mm)
Hx5	5.5	0.50"(12.7mm)	0.050"(1.3mm)	0.38"(9.6mm)	0.38"(9.6mm)

Series #	Assembly Hole Spacing A&B	TEC size
-100	1.5"(38mm) O.C.	up to 1.17" (30mm)
-200	2.0"(51mm) O.C.	up to 1.57" (40mm)
-300	3.0"(76mm) O.C.	up to 2.44" (62mm)

Surface Finish	Description
L	Lapped Flat
Cu	Copper Plated (Hx8 & Hx6 only)

Options	Description
(blank)	No Fan Mount
FM	Fan Mount

Heat Exchanger "FM" Models	Thermal Resistance °C/Watt	
HX8-101	0.61	@ 6.7CFM
HX8-201	0.34	@ 18CFM
HX8-202	0.18	@ 45CFM
HX6-201	0.39	@ 18CFM
HX6-202	0.20	@ 45CFM
HX5-301	0.07	@ 102CFM

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