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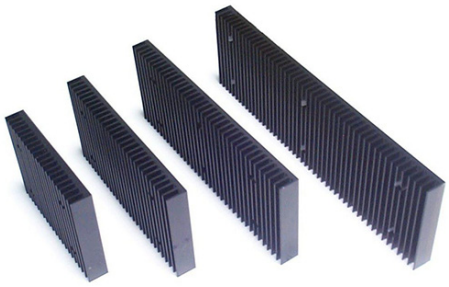
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Find the *Curtiss-Wright / ACRA Control KAM/CHS/13U/D/01* at our website: ***Click HERE***

ACC/HSK/001

Optional heat sinks for the KAM-500 system

CURTISSWRIGHTDS.COM



Key Features

- Black fins for maximum radiation/convection
- Comes complete with mounting screws
- Compact

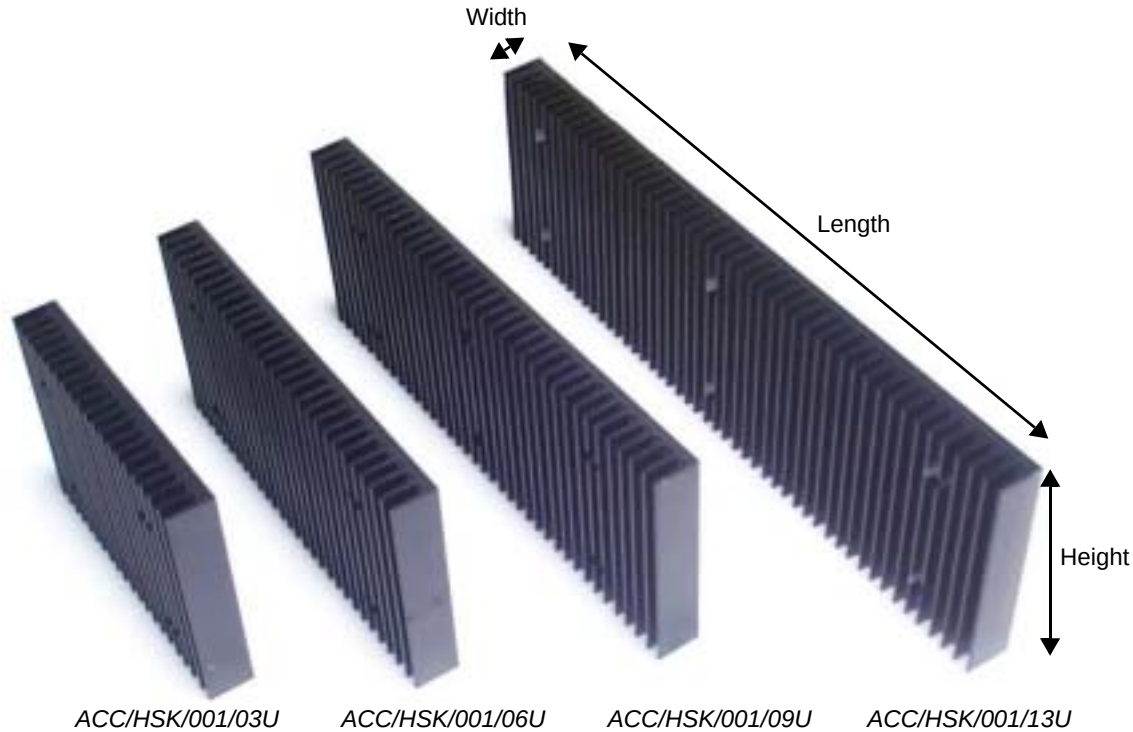
Applications

- Chassis heat sink

Overview

Although the Acra KAM-500 system is power efficient and is designed to operate at chassis temperatures of up to 85°C, heat sinks are recommended for all applications where space permits. One or two heat sinks can be attached to each chassis.

- ACC/HSK/001/03U is designed for the three user-slot chassis KAM/CHS/03U
- ACC/HSK/001/06U is designed for the six user-slot chassis KAM/CHS/06U
- ACC/HSK/001/09U is designed for the nine user-slot chassis KAM/CHS/09U
- ACC/HSK/001/13U is designed for the 13 user-slot chassis KAM/CHS/13U



ACC/HSK/001/03U *ACC/HSK/001/06U* *ACC/HSK/001/09U* *ACC/HSK/001/13U*

Specifications

TABLE 1	ACC/HSK/001/03U mechanical specifications				
PARAMETER	MIN.	TYP.	MAX.	UNITS	CONDITION/DETAILS
Dimensions					
height	–	75	–	mm	
height	–	2.95	–	in.	Design metric is millimeters.
length	–	125	–	mm	
length	–	4.92	–	in.	
width	–	15	–	mm	
width	–	0.59	–	in.	
Mass					
	–	140	–	g	
	–	4.93	–	oz	Design metric is grams.
Environmental ratings					See *Environmental Qualification Handbook*.
operating temperature	-40	–	85	°C	Chassis base/side plate temperature.
storage temperature	-55	–	125	°C	
Finish	–	–	–	–	Black anodized.

TABLE 2	ACC/HSK/001/06U mechanical specifications				
PARAMETER	MIN.	TYP.	MAX.	UNITS	CONDITION/DETAILS
Dimensions					
height	–	75	–	mm	
height	–	2.95	–	in.	Design metric is millimeters.
length	–	167	–	mm	
length	–	6.57	–	in.	
width	–	15	–	mm	
width	–	0.59	–	in.	
Mass					
	–	195	–	g	
	–	6.87	–	oz	Design metric is grams.
Environmental ratings					See *Environmental Qualification Handbook*.
operating temperature	-40	–	85	°C	Chassis base/side plate temperature.
storage temperature	-55	–	125	°C	
Finish	–	–	–	–	Black anodized.

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TABLE 3	ACC/HSK/001/09U mechanical specifications				
PARAMETER	MIN.	TYP.	MAX.	UNITS	CONDITION/DETAILS
Dimensions					
height	–	75	–	mm	
height	–	2.95	–	in.	Design metric is millimeters.
length	–	209	–	mm	
length	–	8.22	–	in.	
width	–	15	–	mm	
width	–	0.59	–	in.	
Mass					
	–	250	–	g	
	–	8.81	–	oz	Design metric is grams.
Environmental ratings					See *Environmental Qualification Handbook*.
operating temperature	-40	–	85	°C	Chassis base/side plate temperature.
storage temperature	-55	–	125	°C	
Finish	–	–	–	–	Black anodized.

TABLE 4	ACC/HSK/001/13U mechanical specifications				
PARAMETER	MIN.	TYP.	MAX.	UNITS	CONDITION/DETAILS
Dimensions					
height	–	75	–	mm	
height	–	2.95	–	in.	Design metric is millimeters.
length	–	265	–	mm	
length	–	10.43	–	in.	
width	–	15	–	mm	
width	–	0.59	–	in.	
Mass					
	–	340	–	g	
	–	11.99	–	oz	Design metric is grams.
Environmental ratings					See *Environmental Qualification Handbook*.
operating temperature	-40	–	85	°C	Chassis base/side plate temperature.
storage temperature	-55	–	125	°C	
Finish	–	–	–	–	Black anodized.

NOTE: Mounting screws should be tightened to 0.6Nm. Thread lock glue should be applied to each screw.

To maximize heat transfer efficiency we recommend using a thermal conductive compound between the heat sink and the chassis.

Ordering information

PART NUMBER	DESCRIPTION
ACC/HSK/001/03U	One or two ACC/HSK/001/03U heat sinks are recommended with each KAM/CHS/03U. Four mounting screws, ACC/SCW/001, are supplied with each heat sink.
ACC/HSK/001/06U	One or two ACC/HSK/001/06U heat sinks are recommended with each KAM/CHS/06U. Four mounting screws, ACC/SCW/001, are supplied with each heat sink.
ACC/HSK/001/09U	One or two ACC/HSK/001/09U heat sinks are recommended with each KAM/CHS/09U. Six mounting screws, ACC/SCW/001, are supplied with each heat sink.
ACC/HSK/001/13U	One or two ACC/HSK/001/13U heat sinks are recommended with each KAM/CHS/13U. Six mounting screws, ACC/SCW/001, are supplied with each heat sink.

The heat sinks are recommended where space permits but must be ordered separately. Adding a heat sink does not affect the length or height of the KAM-500 chassis but does increase the width by 15mm (0.59in.). Adding two heat sinks (one on each side) increases the width by 30mm (1.18in.).

The mounting screws supplied with the heat sinks, ACC/SCW/001, are M3x6mm cap head allen set screws.

Revision history

REVISION	DIFFERENCES	STATUS
ACC/HSK/001/03U	First release	Recommended for new programs
ACC/HSK/001/06U	First release	Recommended for new programs
ACC/HSK/001/09U	First release	Recommended for new programs
ACC/HSK/001/13U	First release	Recommended for new programs

Related documentation

DOCUMENT	DETAILS
DOC/MAN/018	KSM-500 Databook
DOC/HBK/002	Environmental Qualification Handbook
DOC/DBK/001	KAM-500 Databook

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