

Heartland Series



Heartland Series

Description

The Heartland (AH) Series are high performance, polycarbonate enclosures applicable for heavy industrial conditions, but with a refined style suitable for commercial, industrial and OEM design applications. The polycarbonate resin in the Heartland Series attained the best available "F1" rating, having passed critical tests for UV exposure and water immersion. Heartland Series enclosures are rain-tight and watertight rated for use in both interior and exterior applications. Material ratings, as well as product ratings, assure the user that polycarbonate is designed to perform, without adverse affects, in cold weather applications. Of significant protective value; corrosion-resistant polycarbonate can be effectively used across a wide range of aggressive environments. The Heartland Series features latches and hinges that do not penetrate the enclosure, an easy to remove lid, high performance inserts, integrated padlock hasps, flush-fit side mount swing panel and DIN rail systems, molded in bosses, multi-directional mounting feet and is available in standard opaque or clear cover options.

Applications

- Suitable for heavy industrial; commercial; and OEM applications
- Used to house electrical and electronic controls; instruments; and components
- Used indoors or outdoors
- Used in highly corrosive areas
- Provides protection against rain; sleet; snow; splashing water; hose-directed water; submersion; sun/UV and flame protection.

AHWD10106, AHWD12106, AHWD14126, AHWD16148, AHWD181610, AHWD20168, AHWD242410

- This innovative weight distribution shelf provides an extremely rugged support system when adding heavy equipment in polycarbonate enclosures.
- Ideal for support when adding a power supply, battery, or heavy equipment.
- Improves installation quality by reducing potential for bottom wall deflection
- Reduces risk of enclosure and equipment maintenance and replacement costs due to damage from added weight
- Provides protection against rain; sleet; snow; splashing water; hose-directed water; submersion; sun/UV and flame protection.

Features

- Latches and hinges do not penetrate enclosure
- Easy to remove lid
- High performance inserts
- integrated padlock hasp
- Flush-fit side mount swing panel and DIN rail system
- Molded in bosses
- Multi-directional mounting feet
- Single SKU with multiple cover attachment options

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- Aluminum shelf supported by enclosure side walls reduces risk of deflection of the enclosure bottom wall when subjected to increased weight load
- Available in 7 SKUs designed for use with our polycarbonate enclosure sizes from 10"x10" to 24"x24"
- Constructed from strong, lightweight, corrosion resistant aluminum
- Fastening hardware included
- Flush-fit side mount swing panel and DIN rail system

General Information

Country of Origin	USA
Material	Polycarbonate
Back Panel Screw Size	#10-32x3/8
Back Panel Recommended Torque	16-20 in-lbs.
Back Panel Screw Material	Zinc Plated
Cover Screw Size	#10-32 x 5/8
Cover Screw Recommended Torque	20-24 in-lbs.
Cover Screw Material	304 SS
Mounting Foot Screw Size	1/4-20 x 1/2
Mounting Foot Screw Recommended Torque	10-14 in-lbs.
Installation Mounting Torque	25-30 in-lbs. Max
Metal Inserts	Brass
Hinge Material	Integral Polycarbonate
Latch Material	Polycarbonate or 316 SS
Gasket Material	Poured In Place (PIP) Polyurethane Seamless

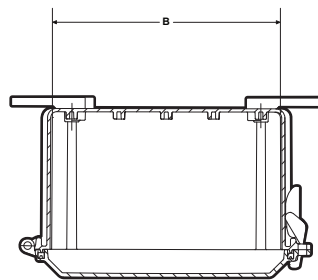
Standards

NEMA 250; UL 50; UL 50e; UL508A	cULus Listed File #E319779
Type	1; 3R; 4; 4X; 6; 6P; 12
IEC 60529	IP66; IP68
IEC 60529	cULus Listed File #E362920
Temperature Range °F	-40°F to +248°F
Temperature Range °C	-40°C to +120°C
Flammability Rating	UL94-5VA
Outdoor Exposure UL746c	(f1) Rated

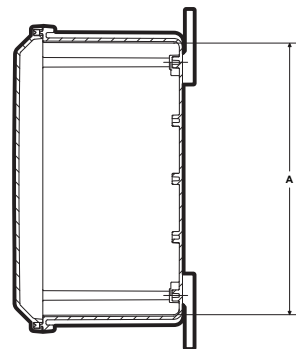
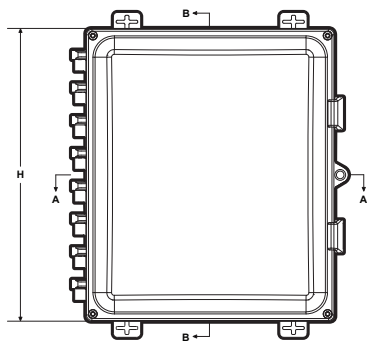
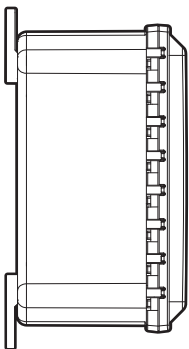
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Notes

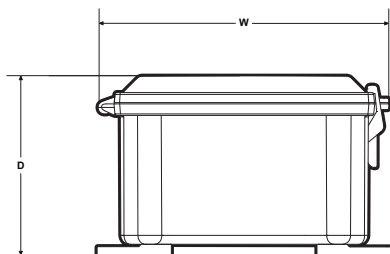
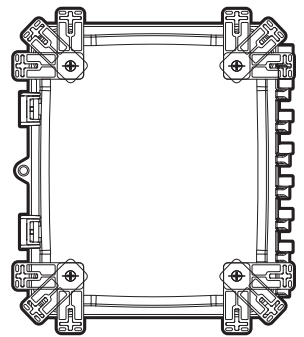
1. Drawing is for reference only.
2. See actual part drawing for specific design.
3. Some sizes have (1) latch; some sizes have (2) latches; some sizes have (4) latches; some sizes have (6) latches
4. Back panel is sold separately.



SECTION A-A



SECTION B-B



Heartland Series

Product Information & Dimensions

Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AH10106	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland Opaque Cover	10	10	6	254	254	152	5.65	144
AH10106C	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland Clear Cover	10	10	6	254	254	152	5.65	144
AH10106CSS	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland Clear Cover with Stainless Steel Latches	10	10	6	254	254	152	5.65	144
AH10106SS	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland Opaque Cover with Stainless Steel Latches	10	10	6	254	254	152	5.65	144
AH1084	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Opaque Cover	10	8	4	254	203	102	5.05	128
AH1084C	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Clear Cover	10	8	4	254	203	102	5.05	128
AH1084CSS	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Clear Cover with Stainless Steel Latches	10	8	4	254	203	102	5.05	128
AH1084SS	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Stainless Steel Latches	10	8	4	254	203	102	5.05	128
AH1086	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Opaque Cover	10	8	6	254	203	152	6.54	166
AH1086C	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Clear Cover	10	8	6	254	203	152	6.54	166
AH1086CSS	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Clear Cover with Stainless Steel Latches	10	8	6	254	203	152	6.54	166
AH1086SS	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Stainless Steel Latches	10	8	6	254	203	152	6.54	166
AH12106	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Opaque Cover	12	10	6	305	254	152	6.56	167
AH12106C	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Clear Cover	12	10	6	305	254	152	6.56	167

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AH12106CSS	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Clear Cover with Stainless Steel Latches	12	10	6	305	254	152	6.56	167
AH12106SS	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Stainless Steel Latches	12	10	6	305	254	152	6.56	167
AH14126	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Opaque Cover	14	12	6	356	305	152	6.56	167
AH14126C	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Clear Cover	14	12	6	356	305	152	6.56	167
AH14126CSS	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Clear Cover with Stainless Steel Latches	14	12	6	356	305	152	6.56	167
AH14126SS	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Stainless Steel Latches	14	12	6	356	305	152	6.56	167
AH16148	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Opaque Cover	16	14	8	406	356	203	8.68	220
AH16148C	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Clear Cover	16	14	8	406	356	203	8.68	220
AH16148CSS	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Clear Cover with Stainless Steel Latches	16	14	8	406	356	203	8.68	220
AH16148SS	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Stainless Steel Latches	16	14	8	406	356	203	8.68	220
AH181610	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Opaque Cover	18	16	10	457	406	254	10.56	268
AH181610C	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Clear Cover	18	16	10	457	406	254	10.56	268
AH181610CSS	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Clear Cover with Stainless Steel Latches	18	16	10	457	406	254	10.56	268
AH181610SS	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Stainless Steel Latches	18	16	10	457	406	254	10.56	268

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AH18164	Polycarbonate Enclosure 18 x 16 x 4 Inches Heartland with Opaque Cover	18	16	4	457	406	102	4.56	116
AH18164C	Polycarbonate Enclosure 18 x 16 x 4 Inches Heartland with Clear Cover	18	16	4	457	406	102	4.56	116
AH18164CSS	Polycarbonate Enclosure 18 x 16 x 4 Inches Heartland with Clear Cover with Stainless Steel Latches	18	16	4	457	406	102	4.56	116
AH18164SS	Polycarbonate Enclosure 18 x 16 x 4 Inches Heartland with Stainless Steel Latches	18	16	4	457	406	102	4.56	116
AH20168	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Opaque Cover	20	16	8	508	406	203	8.65	220
AH20168C	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Clear Cover	20	16	8	508	406	203	8.65	220
AH20168CSS	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Clear Cover with Stainless Steel Latches	20	16	8	508	406	203	8.65	220
AH20168SS	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Stainless Steel Latches	20	16	8	508	406	203	8.65	220
AH242410	Polycarbonate Enclosure 24 x 24 x 10 Inches Heartland with Opaque Cover	24	24	10	610	610	254	10.56	268
AH242410C	Polycarbonate Enclosure 24 x 24 x 10 Inches Heartland with Clear Cover	24	24	10	610	610	254	10.56	268
AH242410CSS	Polycarbonate Enclosure 24 x 24 x 10 Inches Heartland with Clear Cover with Stainless Steel Latches	24	24	10	610	610	254	10.56	268
AH242410SS	Polycarbonate Enclosure 24 x 24 x 10 Inches Heartland with Stainless Steel Latches	24	24	10	610	610	254	10.56	268
AH664	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Opaque Cover	6	6	4	152	152	102	4.5	114

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AH664C	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Clear Cover	6	6	4	152	152	102	4.5	114
AH664CSS	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Clear Cover with Stainless Steel Latches	6	6	4	152	152	102	4.5	114
AH664SS	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Stainless Steel Latches	6	6	4	152	152	102	4.5	114
AH864	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Opaque Cover	8	6	4	203	152	102	4.56	116
AH864C	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Clear Cover	8	6	4	203	152	102	4.56	116
AH864CSS	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Clear Cover with Stainless Steel Latches	8	6	4	203	152	102	4.56	116
AH864SS	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Stainless Steel Latches	8	6	4	203	152	102	4.56	116
AH884	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Opaque Cover	8	8	4	203	203	102	4.53	115
AH884C	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Clear Cover	8	8	4	203	203	102	4.53	115
AH884CSS	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Clear Cover with Stainless Steel Latches	8	8	4	203	203	102	4.53	115
AH884SS	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Stainless Steel Latches	8	8	4	203	203	102	4.53	115
AHF10106	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	10	10	6	254	254	152	5.65	144
AHF10106C	Polycarbonate Enclosure 10 x 10 x 6 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	10	10	6	254	254	152	5.65	144

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AHF1084	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	10	8	4	254	203	102	5.05	128
AHF1084C	Polycarbonate Enclosure 10 x 8 x 4 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	10	8	4	254	203	102	5.05	128
AHF1086	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	10	8	6	254	203	152	6.54	166
AHF1086C	Polycarbonate Enclosure 10 x 8 x 6 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	10	8	6	254	203	152	6.54	166
AHF12106	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	12	10	6	305	254	152	6.56	167
AHF12106C	Polycarbonate Enclosure 12 x 10 x 6 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	12	10	6	305	254	152	6.56	167
AHF14126	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	14	12	6	356	305	153	6.56	167
AHF14126C	Polycarbonate Enclosure 14 x 12 x 6 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	14	12	6	356	305	153	6.56	167
AHF16148	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	16	14	8	406	356	203	8.68	220
AHF16148C	Polycarbonate Enclosure 16 x 14 x 8 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	16	14	8	406	356	203	8.68	220

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AHF181610	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	18	16	10	457	406	254	10.56	268
AHF181610C	Polycarbonate Enclosure 18 x 16 x 10 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	18	16	10	457	406	254	10.56	268
AHF20168	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	20	16	8	508	406	203	8.65	220
AHF20168C	Polycarbonate Enclosure 20 x 16 x 8 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	20	16	8	508	406	203	8.65	220
AHF664	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	6	6	4	152	152	102	4.5	114
AHF664C	Polycarbonate Enclosure 6 x 6 x 4 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	6	6	4	152	152	102	4.5	114
AHF864	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	8	6	4	203	152	102	4.56	116
AHF864C	Polycarbonate Enclosure 8 x 6 x 4 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	8	6	4	203	152	102	4.56	116
AHF884	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Opaque Cover, Polycarbonate Latches and Mounting Flange	8	8	4	203	203	102	4.53	115
AHF884C	Polycarbonate Enclosure 8 x 8 x 4 Inches Heartland with Clear Cover, Polycarbonate Latches and Mounting Flange	8	8	4	203	203	102	4.53	115

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Catalog #	Product Name	H Height (in)	W Width (in)	D Depth (in)	H Height (mm)	W Width (mm)	D Depth (mm)	U Usable Depth (in)	U Usable Depth (mm)
AHWD10106	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 10 x 10 x 6	10	10	6	254	254	152	5.65	144
AHWD12106	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 12 x 10 x 6	12	10	6	305	254	152	6.56	167
AHWD14126	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 14 x 12 x 6	14	12	6	356	305	153	6.56	167
AHWD16148	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 16 x 14 x 8	16	14	8	406	356	203	8.68	220
AHWD181610	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 18 x 16 x 10	18	16	10	457	406	254	10.56	268
AHWD20168	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 20 x 16 x 8	20	16	8	508	406	203	8.65	220
AHWD242410	Heartland Series Opaque Cover Polycarbonate Enclosure with Weight Distribution Shelf 24 x 24 x 10	24	24	10	610	610	254	10.56	268