

The Classic Series

CL

The Classic Series enclosures are designed for general electrical and electronic applications as well as applications requiring broader environmental concerns.

These enclosures enhance the appearance of any instrument installation. They are especially suited for high visibility locations found in both industrial and commercial applications, but the chemical resistance and watertight capabilities make them ideal across a broad spectrum of environmental installations as well.

Classic Series Attributes

- Available in 2 cover options:
 1. Opaque cover
 2. Flush bonded window
- Stands up to an exceptionally broad range of chemical exposures
- High impact resistance
- Double insulated material. No incidental electrical contact
- Hidden hinge design
- UV Resistant
- Soft edge design, smooth lines, flush cover
- Super abrasion-resistant acrylic window
- High temperature, flame retardant, non-corrosive, environmental designs

Classic Series Industry Standards

UL/cUL 50	File E64358 Type 1, 3R, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
UL1741	File E333478 Type 1, 3, 4X, 12 W, HW, HL, HPL
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Window Flammability	UL94-HB
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)



W

Technical Specifications - Classic Series

CL

Opaque cover "W" configuration - 4 cover screws, lift off cover



W Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris

W Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

NOTES:

W Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

W Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

HW

Technical Specifications - Classic Series

CL

Opaque cover "HW" configuration - Hinged, 2 cover screws



HW Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris

HW Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

NOTES:

HW Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HW Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

HL

Technical Specifications - Classic Series

CL

Opaque cover "HL" configuration - Hinged, through-the-door latch



HL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Latch Material	Glass filled polyamide

HL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

HL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

NOTES:

Technical Specifications - Classic Series

Opaque cover "HLL" configuration - Hinged, twist latch



HLL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris

HLL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

NOTES:

HLL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HLL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

Technical Specifications - Classic Series

Opaque cover "HPL" configuration - Hinged, padlock latch



HPL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris

HPL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

NOTES:

HPL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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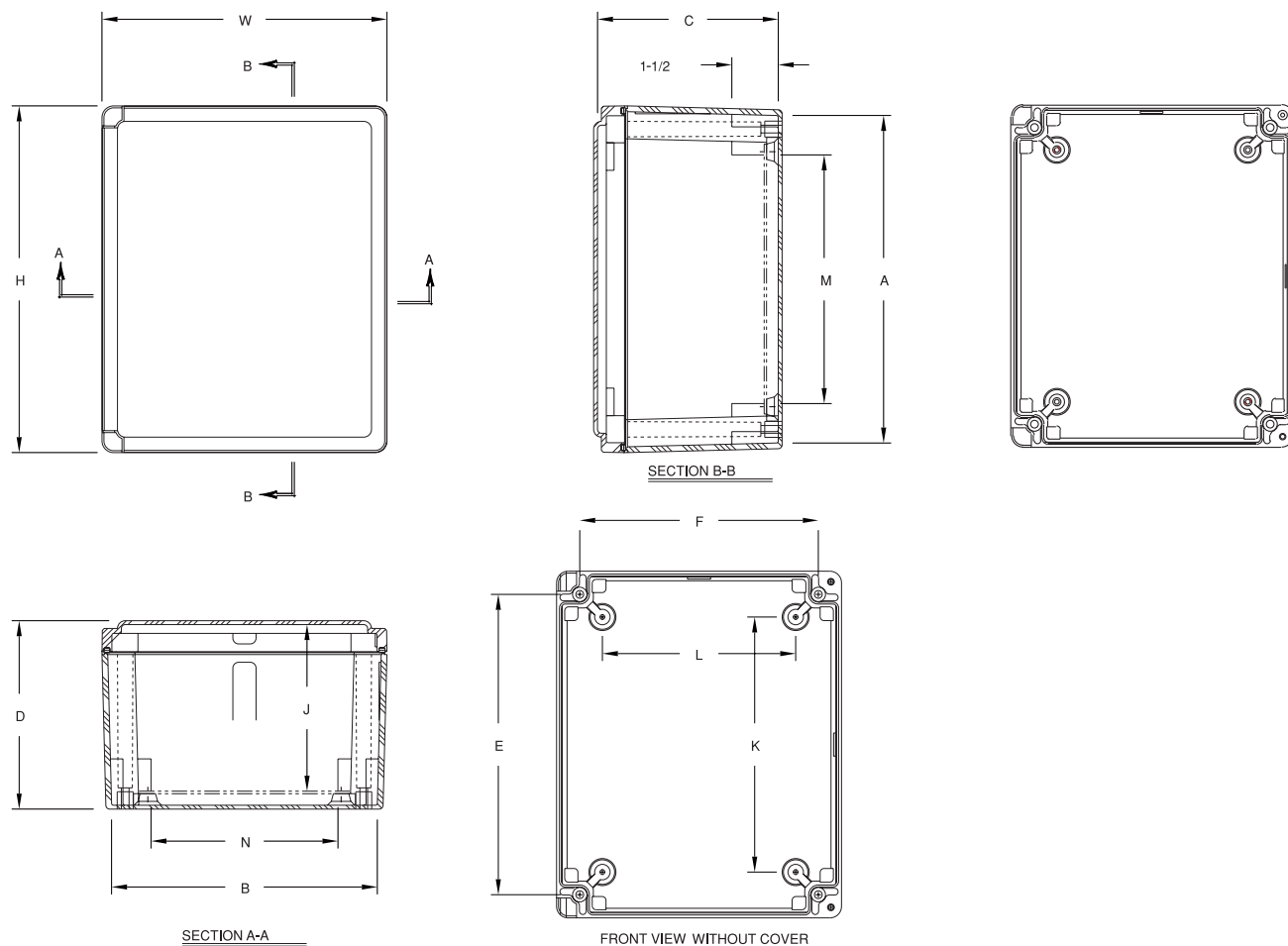
Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HPL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

Classic Series Technical Drawings



Classic Series Opaque Cover Enclosures

SIZE ID NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	SHIPPING WEIGHT	PANEL NUMBER
CL707W CL707HW CL707HL CL707HPL	7.21 x 7.21 x 5.09 (183 x 183 x 129)	6.65 x 6.65 x 4.84 (169 x 169 x 123)	5.71 x 5.71 (145 x 145)	4.39 (111)	4.25 (108)	4.25 (108)	4.04 (103)	4.04 (103)	3.5 lbs.	BP66*
CL907W CL907HW CL907HL CL907HPL	9.21 x 7.21 x 5.09 (234 x 183 x 129)	8.59 x 6.59 x 4.84 (218 x 167 x 123)	7.71 x 5.71 (196 x 145)	4.39 (111)	6.25 (159)	4.25 (108)	6.04 (154)	4.04 (103)	4.2 lbs.	BP86*
CL1109W CL1109HW CL1109HL CL1109HPL	11.21 x 9.21 x 6.09 (285 x 234 x 155)	10.59 x 8.59 x 5.84 (269 x 218 x 148)	9.71 x 7.71 (247 x 196)	5.39 (137)	8.25 (210)	6.25 (159)	8.04 (204)	6.04 (154)	5.9 lbs.	BP108*
CL1311W CL1311HW CL1311HL CL1311HLL CL1311HPL	13.21 x 11.21 x 6.59 (336 x 285 x 167)	12.59 x 10.59 x 6.34 (320 x 269 x 161)	11.71 x 9.71 (298 x 247)	5.89 (150)	10.25 (260)	8.25 (210)	10.04 (255)	8.04 (204)	7.6 lbs.	BP1210*
CL1513W CL1513HW CL1513HL CL1513HLL CL1513HPL	15.21 x 13.21 x 7.09 (386 x 336 x 180)	14.55 x 12.55 x 6.84 (370 x 319 x 174)	13.71 x 11.71 (348 x 298)	6.39 (162)	12.25 (311)	10.25 (260)	12.04 (306)	10.04 (255)	11.4 lbs.	BP1412*

Note: Hinged Short Side available; consult factory for details.

All measures are in inches, items in parentheses are in millimeters.

*Panel ordered separately.

W

Technical Specifications - Classic Window Series

CLW

Flush Bonded Window "W" configuration - 4 cover screws, lift off cover



W Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility

W Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76° F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Window Flammability Rating	UL94-HB
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

W Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

W Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

NOTES:

HW

Technical Specifications - Classic Window Series

CLW

Flush Bonded Window "HW" configuration - Hinged, 2 cover screws



NOTES:

HW Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility

HW Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76° F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Window Flammability Rating	UL94-HB
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

HW Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HW Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13



Technical Specifications - Classic Window Series

CLW

Flush Bonded Window "HLL" configuration - Hinged, twist latch

HLL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility

HLL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76° F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Window Flammability Rating	UL94-HB
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

HLL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HLL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

NOTES:

HPL

Technical Specifications - Classic Window Series

CLW

"HPL" configuration - Hinged, padlock latch



NOTES:

HPL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility

HPL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 4X, 12
NEMA 250	Type 1, 3, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 4X, 12
Temperature Range	(-76° F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Window Flammability Rating	UL94-HB
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

HPL Accessories

Back Panels

Aluminum	BP__AL	pg. 149 - 150
Fiberglass	BP__FG	pg. 149 - 150
Stainless Steel	BP__SS	pg. 149 - 150
Carbon Steel	BP__CS	pg. 149 - 150

Mounting Feet

Mounting Feet	pg. 157
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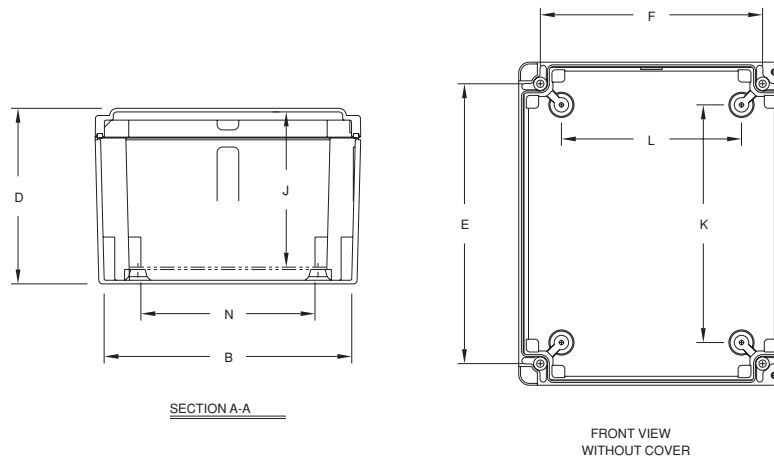
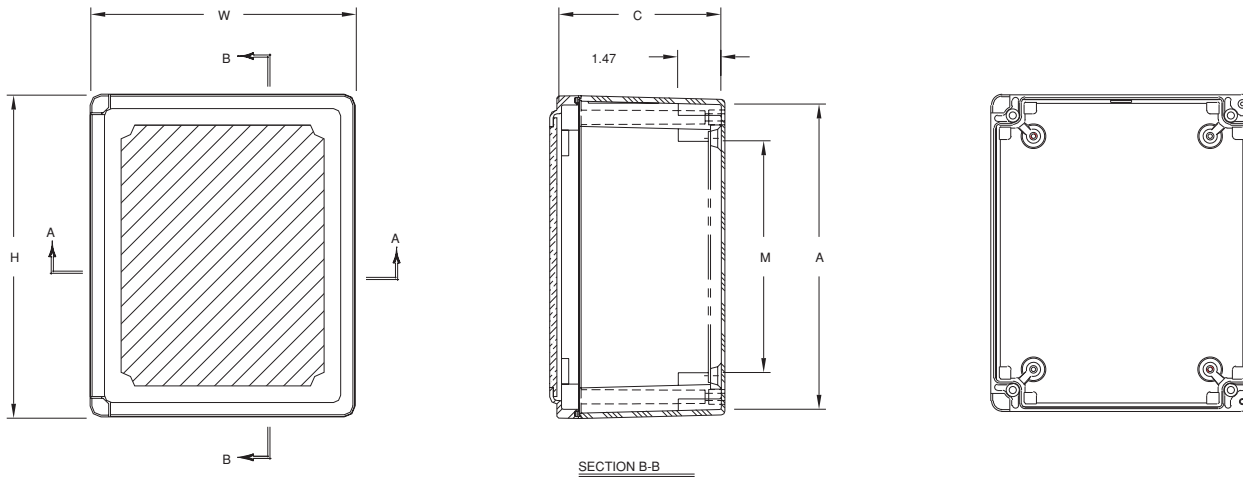
Accessories

Drain & Breather Vents	pg. 144, 146
Hole Plugs	pg. 145
Assorted Hubs and Cord Grips	pg. 145, 148
All Other Accessories	pg. 144 - 159

HPL Modifications

Custom Colors	pg. 12 - 13
Silk Screening	pg. 12 - 13
EMI/RFI Shielding	pg. 12 - 13
Custom Window	pg. 12 - 13
Custom Cutouts/Holes	pg. 12 - 13

Classic Window Series Technical Drawings



Classic Window Series Flush Bonded Window Enclosures

Classic Window Series Flush Bonded Window Enclosures											
SIZE ID NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA [MAXIMUM]	MOUNTING E X F	J	K	L	M	N	SHIPPING WEIGHT	PANEL NUMBER
CLW707HW CLW707HPL	7.21 x 7.21 x 5.09 (183 x 183 x 129)	6.65 x 6.65 x 4.84 (169 x 169 x 123)	5.06 x 5.06 (129 x 129)	5.71 x 5.71 (145 x 145)	4.39 (111)	4.25 (108)	4.25 (108)	4.04 (103)	4.04 (103)	4 lbs.	BP66*
CLW907HW CLW907HPL	9.21 x 7.21 x 5.09 (234 x 183 x 129)	8.59 x 6.59 x 4.84 (218 x 167 x 123)	7.06 x 5.06 (179 x 129)	7.71 x 5.71 (196 x 145)	4.39 (111)	6.25 (159)	4.25 (108)	6.04 (154)	4.04 (103)	4.3 lbs.	BP86*
CLW1109HW CLW1109HPL	11.21 x 9.21 x 6.09 (285 x 234 x 155)	10.59 x 8.59 x 5.84 (269 x 218 x 148)	9.06 x 7.06 (230 x 179)	9.71 x 7.71 (247 x 196)	5.39 (137)	8.25 (210)	6.25 (159)	8.04 (204)	6.04 (154)	6 lbs.	BP108*
CLW1311W CLW1311HW CLW1311HLL CLW1311HPL	13.21 x 11.21 x 6.59 (336 x 285 x 167)	12.59 x 10.59 x 6.34 (320 x 269 x 161)	11.06 x 9.06 (281 x 230)	11.71 x 9.71 (298 x 247)	5.89 (150)	10.25 (260)	8.25 (210)	10.04 (255)	8.04 (204)	7.8 lbs.	BP1210*
CLW1513HW CLW1513HLL CLW1513HPL	15.21 x 13.21 x 7.09 (386 x 336 x 180)	14.55 x 12.55 x 6.84 (370 x 319 x 174)	13.06 x 11.06 (332 x 281)	13.71 x 11.71 (348 x 298)	6.39 (162)	12.25 (311)	10.25 (260)	12.04 (306)	10.04 (255)	11.6 lbs.	BP1412*

Note: Hinge Short Side available; consult factory for details.

All measures are in inches, items in parentheses are in millimeters.

*Panel ordered separately.