WEATHERFLO HD ENCLOSURES



APPLICATION

WEATHERFLO HD Enclosures are designed to protect and cool 100-500 HP variable frequency drives. These enclosures provide an integrated cooling solution for your VFD application needs.

FEATURES

- **Optional impeller packages provide 840 actual CFM per impeller**
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- **Gangable; enclosures can be joined to one another**
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SPECIFICATIONS

- **Frames, bases and gland plates constructed of .125-in. aluminum**
- **Tops and fan housing constructed of .080-in. aluminum**
- **Sides and standard rear cover constructed of .100-in. aluminum**
- **Gasketed door, top and base**
- **Panels and heavy-duty rear cover constructed of 12 gauge mild steel**
- **Three-point latches operated by patented padlocking handle**
- **Grounding provisions on door and body**

FINISH

including panels, tops, covers and bases.

ACCESSORIES

INTERSAFE Data Interface Ports, Type 4/4X/12
PANELITE Enclosure Lights
Thermoplastic Data Pocket

Stainless Steel Window Kits

ORDERING

component.

1. **Select frame**
2. **Select top, dependent on cooling solution**
3. **Select base, dependent on cooling solution**
4. **Select panel**
5. **Select rear cover, HD rear cover designed for applications when the drive is mounted on rear cover instead of the panel**

impellers per door

Please see Product Selection Matrix on page 4.

MODIFICATION AND CUSTOMIZATION

INDUSTRY STANDARDS

UL 508A Listed; Type 3R; File Number E61997
cUL Listed per CSA C22.2 No 94; Type 3R; File Number E61997

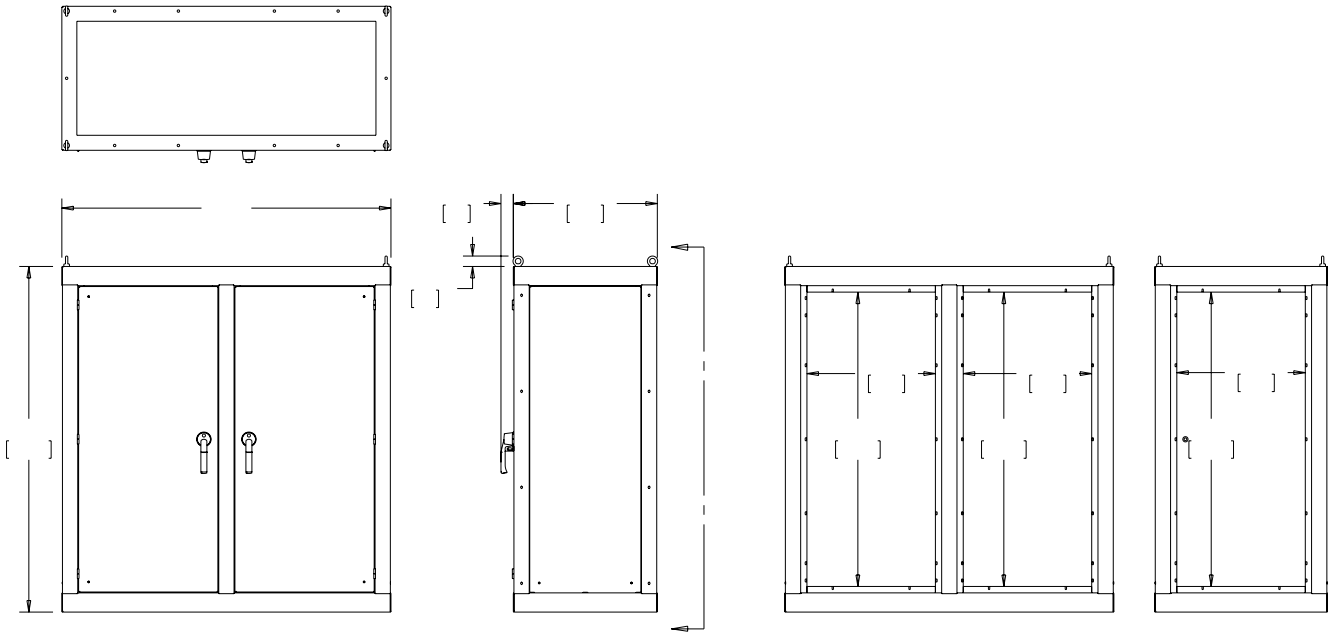
NEMA/EEMAC Type 3R
IEC 60529, IP22

BULLETIN: A3RHD

Standard Product

Catalog Number	AxBxC in./mm	Description
WFHD3E723630	74.14 x 36.00 x 30.00 1883 x 914 x 762	One-Door Frame
WFHD3E726830	74.14 x 68.56 x 30.00 1883 x 1741 x 762	Two-Door Frame

Includes frame, door(s), two sides and four lifting eyes.



	One-Door Enclosure	Two-Door Enclosure
Frame	WFHD3E723630	WFHD3E726830
Solid Top	WFHD3ST3630	WFHD3ST6830
Pagoda Top	WFHD3PT3630	WFHD3PT6830
Solid Base	WFHD3B3630	WFHD3B6830
Vented Base	WFHD3VB3630	WFHD3VB6830
Panel	WFHDP7236	WFHDP7236
Rear Cover	WFHD3RC7236	WFHD3RC7236
Heavy-Duty Rear Cover	WFHD3RCH7236	WFHD3RCH7236
Gland Plate	WFHD3GP	WFHD3GP
Impeller	WFHDFP	WFHDFP

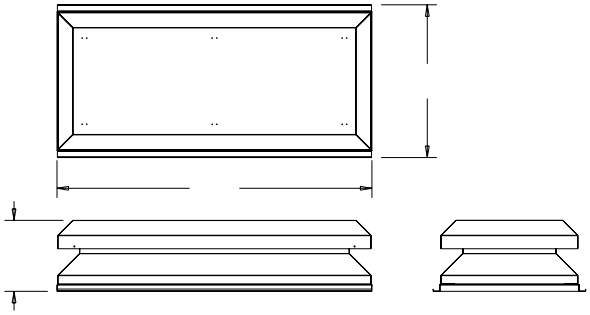
Two-Door enclosures require two rear covers and two panels.

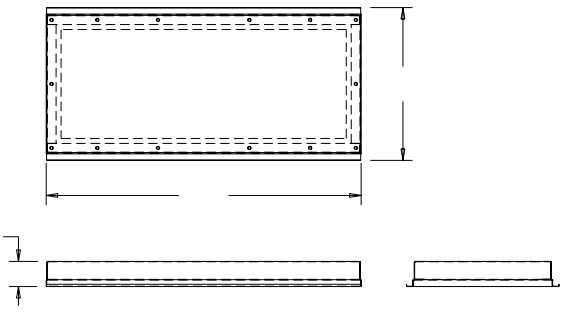
TOPS

Pagoda tops are designed to be used with Hoffman's Impeller packages. Pagoda tops include aluminum dampers and a stainless steel mesh to prevent the ingress of debris. Solid tops are designed to be used with a closed-loop cooling solution.

BULLETIN: A3RHD

Catalog Number	AxBxC in.	AxBxC mm	Description
WFHD3PT3630	15.53 x 36.00 x 33.42	394 x 914 x 849	Pagoda Top, One-Door
WFHD3ST3630	5.50 x 36.26 x 33.42	140 x 921 x 849	Solid Top, One-Door
WFHD3PT6830	15.53 x 68.89 x 33.42	394 x 1750 x 849	Pagoda Top, Two-Door
WFHD3ST6830	5.50 x 68.89 x 33.42	140 x 1750 x 849	Solid Top, Two-Door



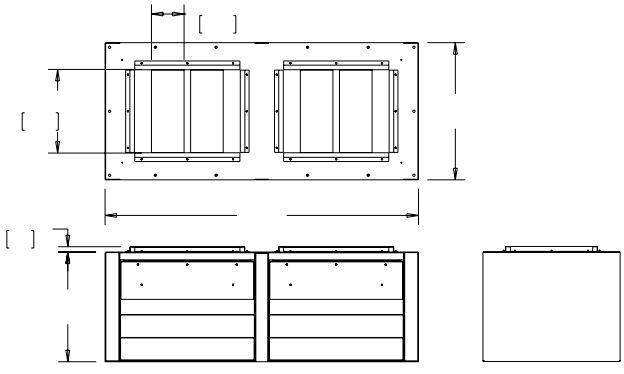


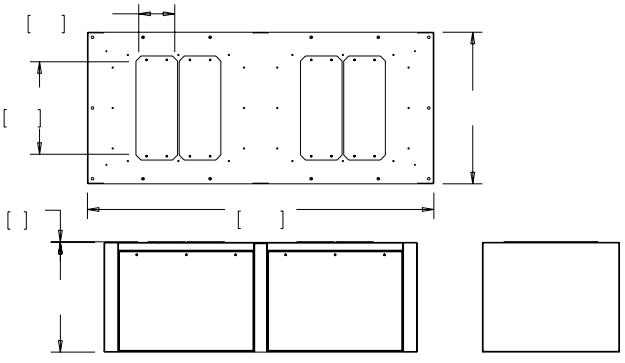
BASES

Vented bases are designed to be used with Hoffman's Impeller packages and include a stainless steel mesh to prevent the ingress of

BULLETIN: A3RHD

Catalog Number	AxBxC in./mm	Description	Gland Plate Openings
WFHD3B3630	24.00 x 36.00 x 30.00 610 x 914 x 762	Solid Base, One-Door	2
WFHD3VB3630	24.00 x 36.00 x 30.00 610 x 914 x 762	Vented Base, One-Door	2
WFHD3B6830	24.00 x 68.56 x 30.00 610 x 1741 x 762	Solid Base, Two-Door	4
WFHD3VB6830	24.00 x 68.56 x 30.00 610 x 1741 x 762	Vented Base, Two-Door	4



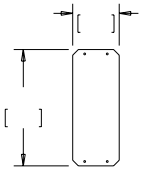


GLAND PLATE

The gland plate is intended for use in combination with the vented base to cover unused impeller locations.

BULLETIN: A3RHD

Catalog Number	AxB in./mm	Description
WFHD3GP	20.60 x 8.24 523 x 209	Gland Plate

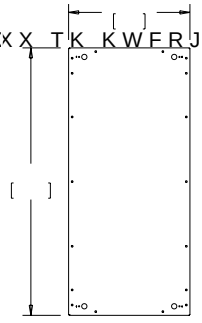


PANEL

9MJ UFSJQ XN_J FSI TUJSNSLX FWJ YMJJXFRJ WJLFWIQJ XX TK KWFRJ XN_
Select a panel for each door.

BULLETIN: A3RHD

Catalog Number	AxBxC in./mm	Description
WFHDP7236	63.77 x 28.93 x 1.12 1620 x 735 x 28	Panel

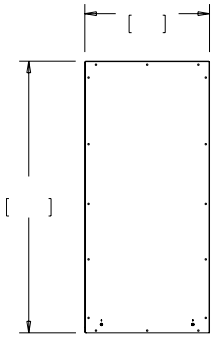


REAR COVERS

The heavy-duty rear cover is designed for those applications when the drive is mounted directly to the rear cover of the enclosure instead of to the panel. Select a rear cover for each door.

BULLETIN: A3RHD

Catalog Number	AxBxC in./mm	Description	Material
WFHD3RC7236	63.69 x 29.25 x 1.29 1618 x 743 x 33	Aluminum Rear Cover	.100-in. Aluminum
WFHD3RCH7236	63.69 x 29.25 x 1.29 1618 x 743 x 33	Heavy-Duty Rear Cover	12 Ga. Mild Steel



JOINING KIT

The joining kit will work on either one- or two-door models. The kit includes hardware and instructions. Enclosures should be joined/ ganged at the application site, as the kit is not designed to be used while the enclosures are in transit.

BULLETIN: A3RHD

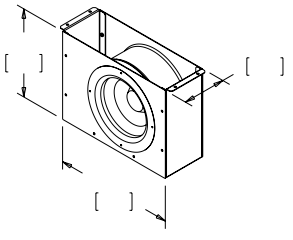
Catalog Number	Description
WFHDJK	Joining Kit

IMPELLER

Each Impeller package includes one high-performance, 115 VAC 60 -_ XMNJQIJI NRUJQQJW FSI FS FQZRNSZR has a provision for two impellers per door.
Please see performance chart below.

BULLETIN: A3RHD

Catalog Number	Description	Impeller Qty.
WFHDFP	Impeller Package	1



CFM Performance Chart â

Number of Impellers	CFM	Maximum Heat Dispation at r 19 <	Maximum Heat Dispation at r 19 <	Maximum Heat Dispation at r 19 <	Maximum Heat Dispation at r 19 <
1	840	2,654	5,309	7,963	10,618
2	1680	5,309	10,618	15,926	21,235
3	2520	7,963	15,926	23,890	31,853
4	3360	10,618	21,235	31853	42,470

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