![PENTAIR]

Hoffman

PROLINE MODULAR ENCLOSURE SOLUTIONS

ENGINEERED FOR INDUSTRIAL ENVIRONMENTS

FREESTANDING, DISCONNECT, TYPE 12/IP55

DESIGN WITH CONFIDENCE

EQUIPMENT PROTECTION | PROLINE ENCLOSURES

FLEXIBILITY AND PROTECTION

PROLINE is a robust enclosure solution that provides powerful mounting options and expansion capabilities. Engineered for industrial environments, PROLINE features an innovative modular design which offers users:

- **Faster population**
- **Larger mounting panels**
- **More mounting options**
- **More efficient use of interior space**
- **Larger door openings and improved interior access**
- **Easier panel loading**
- **Simple ganging and joining options**
- **Streamlined field modifications**
- **Reduced freight costs**

APPLICATIONS

- **Industrial controls (Drives, PLC, DCS, SCADA, VFD)**
- **Networking in industrial environments**
- **Electrical panels**
- **Equipment protection**
- **Power distribution**
- **HMI controls**
- **EMI/EMC (Electromagnetic interference/compatibility)**
- **Many others**

THE POWER OF ACCESSIBILITY

Easy access to equipment or electronics is important when considering an enclosure. PROLINE enclosures offer large, removeable doors for easy installations and access for equipment maintenance. Sides, bases and tops can also be quickly removed for wiring access or to facilitate repairs. Wide mounting subpanels swing-out so you can stack components and better utilize space, while allowing access to the back of the enclosure for maintenance or troubleshooting your equipment after installation.

THE POWER OF FLEXIBILITY

FIELD MODIFICATIONS

If the exterior of the enclosure needs to be modified after installation—to add a fan, tower light, potentiometer, or other component—the effected wall panel, door, or top can be simply removed and the modification can be made on the flat component in a controlled environment. This avoids having to modify the enclosure in the operating environment, when attached to equipment, on the manufacturing floor, or in the network center or cleanroom.

ECONOMY OF SCALE

PROLINE's expandability and configuration options enable the same enclosure system to be used for a wide array of applications. The advantages of modular "plug and play" architecture has been clearly recognized and embraced in the electronics industry. Using a common set of standard components provides shorter development time lines. If needs change or expansion is necessary enclosures can be expanded to save cost, time and labor instead of building an entirely new enclosure system.

THE POWER OF EFFICIENCY

THREE DIMENSIONAL DESIGN

PROLINE preconfigured enclosures include a full height mounting subpanel for traditional 2D enclosure design, but also provide additional mounting capabilities which enable you to utilize more of the space within the enclosure—resulting in smaller, more efficient enclosure design.

MOUNTING OPTIONS

- Full-height or partial subpanels
- Rack mounting
- Swing-out panels or racks
- Door or side mounting
- Grid system or bar mounting
- DIN rail mounting
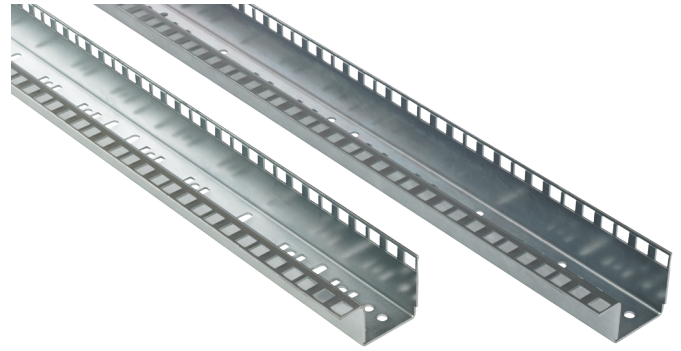
Rack angles available in 19", 23" and 24" configurations. Metric options available. Can be mounted directly to frame or to grid/rail system.

Mounting grid system. Accessories or equipment can be attached directly to grid system.

SIZE RIGHT WITH SIMPLE EXPANSION

PROLINE enclosures can be easily joined or bayed without the need to make any modifications to the existing enclosure, while keeping the protection rating intact. This unique trait enables you to size your enclosure to your current needs with the assurance that you can expand in the future without cutting or drilling—potentially compromising your protection integrity. You can save space and money now, with the confidence that you can expand when the need arises.

Ganged/joined enclosure with optional joining subpanel.

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THE POWER OF INNOVATION

STRENGTH WHERE YOU NEED IT
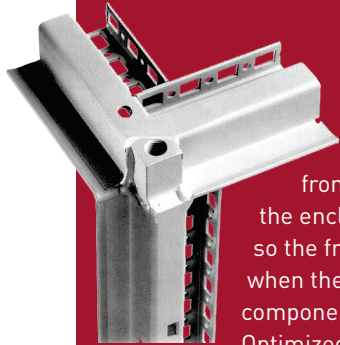
The strength of the PROLINE enclosure comes from the frame, and the enclosure is designed so the frame bears the load when the subpanel or com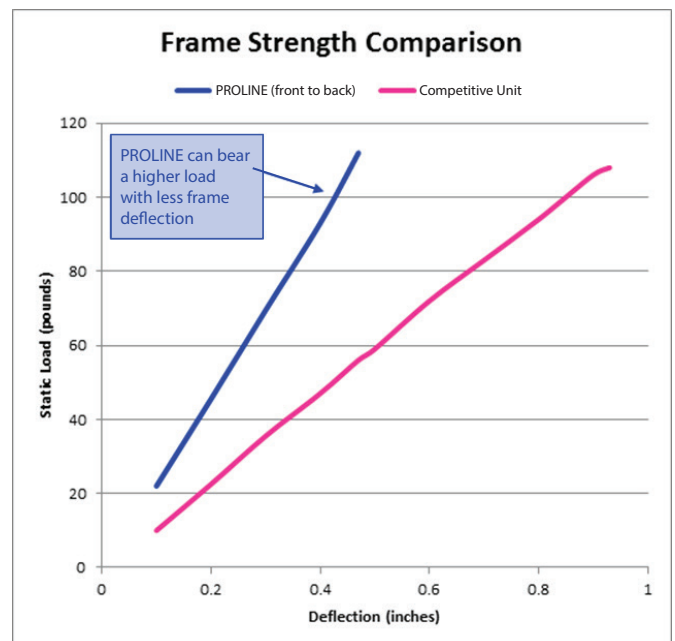ponents are populated. Optimized for strength in the back of the enclosure (which typically bears the heaviest load), PROLINE features a welded 12 gauge (2.5mm) frame which is thicker and heavier than other enclosure systems.

Other enclosure systems use a hollow or closed frame and rely on a large number of folds to provide strength. This technique can save on material costs, but if the frame gets inadvertently dented, the strength of the enclosure can be significantly reduced. Similar to how a hollow soda pop can support the weight of a person—until a side gets dented or bent.

EXPERTS IN INDUSTRIAL SOLUTIONS

PROLINE is the third generation modular product developed by Hoffman. We're a leader in industrial enclosure solutions for over 70 years, and we continue to improve upon our products to bring you the best solutions in the industry. Engineered by a veteran team of experts in protective enclosure design, PROLINE was specifically designed to withstand the unique demands of the industrial environment.

Frame Strength Comparison

— PROLINE (front to back)   — Competitive Unit

PROLINE can bear a higher load with less frame deflection

Static Load (pounds) vs. Deflection (inches)
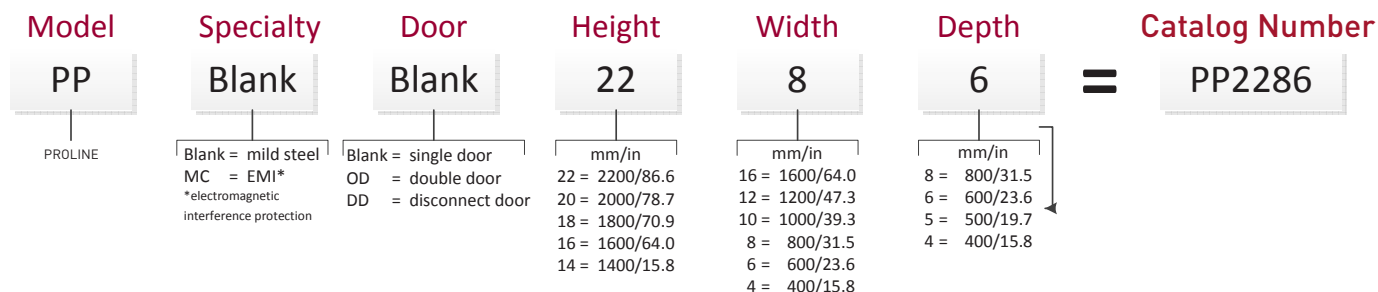
PROLINE PRECONFIGURED INDUSTRIAL PACKAGES

TYPE 12 UL®/NEMA/CSA/EEMAC
IP55 IEC/VDE

PROLINE preconfigured industrial packages include a solid door, roof and rear wall; full subpanel, gland plate, and four lifting rings. Side walls and bases can be ordered separately with many options to choose from to suit your application. Refer to the PROLINE Configuration Handbook for more information.

- Reversible door (single or double)
- Top wall roof plate
- Rear wall
- Full subpanel
- Gland plate (for cable management)
- Lifting eyes

PRECONFIGURED INDUSTRIAL PACKAGE MODEL KEY

Model	Specialty	Door	Height	Width	Depth		Catalog Number
PP	**Blank**	**Blank**	**22**	**8**	**6**	**=**	**PP2286**

PROLINE

Specialty	Door	Height	Width	Depth
Blank = mild steel MC = EMI* *electromagnetic interference protection	Blank = single door OD = double door DD = disconnect door	mm/in 22 = 2200/86.6 20 = 2000/78.7 18 = 1800/70.9 16 = 1600/64.0 14 = 1400/15.8	mm/in 16 = 1600/64.0 12 = 1200/47.3 10 = 1000/39.3 8 = 800/31.5 6 = 600/23.6 4 = 400/15.8	mm/in 8 = 800/31.5 6 = 600/23.6 5 = 500/19.7 4 = 400/15.8

Custom sizes available on request

Single Door Options

Enclosure Description	Number of Doors	H mm/in	W mm/in	D mm/in	Catalog Number	Side Cover*
Freestanding	1	2200/86.6	600/23.6	500/19.7	PP2265	PSS225
Freestanding	1	2200/86.6	600/23.6	600/23.6	PP2266	PSS226
Freestanding	1	2200/86.6	600/23.6	800/31.5	PP2268	PSS228
Freestanding	1	2200/86.6	800/31.5	500/19.7	PP2285	PSS225
Freestanding	1	2200/86.6	800/31.5	600/23.6	PP2286	PSS226
Freestanding	1	2200/86.6	800/31.5	800/31.5	PP2288	PSS228
Freestanding	1	2200/86.6	1000/39.3	500/19.7	PP22105	PSS225
Freestanding	1	2200/86.6	1000/39.3	600/23.6	PP22106	PSS226
Freestanding	1	2200/86.6	1000/39.3	800/31.5	PP22108	PSS228
Freestanding	1	2000/78.7	400/15.8	500/19.7	PP2045	PSS205
Freestanding	1	2000/78.7	400/15.8	600/23.6	PP2046	PSS206
Freestanding	1	2000/78.7	600/23.6	400/15.8	PP2064	PSS204

Double Door Options

Enclosure Description	Number of Doors	H mm/in	W mm/in	D mm/in	Catalog Number	Side Cover*
Freestanding	2	2200/86.6	1200/47.3	500/19.7	PPOD22125	PSS225
Freestanding	2	2200/86.6	1200/47.3	600/23.6	PPOD22126	PSS226
Freestanding	2	2200/86.6	1200/47.3	800/31.5	PPOD22128	PSS228
Freestanding	2	2000/78.7	1000/39.3	500/19.7	PPOD20105	PSS205
Freestanding	2	2000/78.7	1000/39.3	600/23.6	PPOD20106	PSS206
Freestanding	2	2000/78.7	1000/39.3	800/31.5	PPOD20108	PSS208
Freestanding	2	2000/78.7	1200/47.3	400/15.8	PPOD20124	PSS204
Freestanding	2	2000/78.7	1200/47.3	500/19.7	PPOD20125	PSS205
Freestanding	2	2000/78.7	1200/47.3	600/23.6	PPOD20126	PSS206
Freestanding	2	2000/78.7	1200/47.3	800/31.5	PPOD20128	PSS208
Freestanding	2	2000/78.7	1200/47.3	800/31.5	PPOD20128	PSS208
Freestanding	2	2000/78.7	1600/64.0	500/19.7	PPOD20165	PSS205

Single Door Options

Enclosure Description	Number of Doors	H mm/in	W mm/in	D mm/in	Catalog Number	Side Cover*
Freestanding	1	2000/78.7	600/23.6	500/19.7	PP2065	PSS205
Freestanding	1	2000/78.7	600/23.6	600/23.6	PP2066	PSS206
Freestanding	1	2000/78.7	600/23.6	800/31.5	PP2068	PSS208
Freestanding	1	2000/78.7	800/31.5	400/15.8	PP2084	PSS204
Freestanding	1	2000/78.7	800/31.5	500/19.7	PP2085	PSS205
Freestanding	1	2000/78.7	800/31.5	600/23.6	PP2086	PSS206
Freestanding	1	2000/78.7	800/31.5	800/31.5	PP2088	PSS208
Freestanding	1	2000/78.7	1000/39.3	500/19.7	PP20105	PSS205
Freestanding	1	2000/78.7	1000/39.3	600/23.6	PP20106	PSS206
Freestanding	1	2000/78.7	1000/39.3	800/31.5	PP20108	PSS208
Freestanding	1	1800/70.9	400/15.8	500/19.7	PP1845	PSS185
Freestanding	1	1800/70.9	400/15.8	600/23.6	PP1846	PSS186
Freestanding	1	1800/70.9	600/23.6	400/15.8	PP1864	PSS184
Freestanding	1	1800/70.9	600/23.6	500/19.7	PP1865	PSS185
Freestanding	1	1800/70.9	600/23.6	600/23.6	PP1866	PSS186
Freestanding	1	1800/70.9	600/23.6	800/31.5	PP1868	PSS188
Freestanding	1	1800/70.9	800/31.5	400/15.8	PP1884	PSS184
Freestanding	1	1800/70.9	800/31.5	500/19.7	PP1885	PSS185
Freestanding	1	1800/70.9	800/31.5	600/23.6	PP1886	PSS186
Freestanding	1	1800/70.9	800/31.5	800/31.5	PP1888	PSS188
Freestanding	1	1800/70.9	1000/39.3	400/15.8	PP18104	PSS184
Freestanding	1	1800/70.9	1000/39.3	500/19.7	PP18105	PSS185
Freestanding	1	1800/70.9	1000/39.3	600/23.6	PP18106	PSS186
Freestanding	1	1800/70.9	1000/39.3	800/31.5	PP18108	PSS188
Freestanding	1	1600/64.0	600/23.6	500/19.7	PP1665	PSS165
Freestanding	1	1600/64.0	600/23.6	800/31.5	PP1668	PSS168
Freestanding	1	1600/64.0	800/31.5	500/19.7	PP1685	PSS165
Freestanding	1	1600/64.0	800/31.5	800/31.5	PP1688	PSS168
Freestanding	1	1400/55.1	600/23.6	500/19.7	PP1465	PSS145
Freestanding	1	1400/55.1	600/23.6	600/23.6	PP1466	PSS146
Freestanding	1	1400/55.1	800/31.5	500/19.7	PP1485	PSS145
Freestanding	1	1200/47.3	600/23.6	500/19.7	PP1265	PSS125
Freestanding	1	1200/47.3	800/31.5	500/19.7	PP1285	PSS125
EMC	1	2000/78.7	600/23.6	600/23.6	PPF2066HF	PSS206HF
EMC	1	2000/78.7	800/31.5	600/23.6	PPF2086HF	PSS206HF

* Sold separately and in sets of one.

Double Door Options

Enclosure Description	Number of Doors	H mm/in	W mm/in	D mm/in	Catalog Number	Side Cover*
Freestanding	2	2000/78.7	1600/64.0	600/23.6	PPOD20166	PSS206
Freestanding	2	2000/78.7	1600/64.0	800/31.5	PPOD20168	PSS208
Freestanding	2	2000/78.7	1800/70.9	500/19.7	PPOD20185	PSS205
Freestanding	2	2000/78.7	1800/70.9	600/23.6	PPOD20186	PSS206
Freestanding	2	2000/78.7	1800/70.9	800/31.5	PPOD20188	PSS208
Freestanding	2	1800/70.9	800/31.5	500/19.7	PPOD1885	PSS185
Freestanding	2	1800/70.9	800/31.5	600/23.6	PPOD1886	PSS186
Freestanding	2	1800/70.9	1000/39.3	400/15.8	PPOD18104	PSS184
Freestanding	2	1800/70.9	1000/39.3	600/23.6	PPOD18106	PSS186
Freestanding	2	1800/70.9	1200/47.3	400/15.8	PPOD18124	PSS184
Freestanding	2	1800/70.9	1200/47.3	500/19.7	PPOD18125	PSS185
Freestanding	2	1800/70.9	1200/47.3	600/23.6	PPOD18126	PSS186
Freestanding	2	1800/70.9	1600/64.0	400/15.8	PPOD18164	PSS184
Freestanding	2	1800/70.9	1600/64.0	500/19.7	PPOD18165	PSS185
Freestanding	2	1800/70.9	1800/70.9	500/19.7	PPOD18185	PSS185
Freestanding	2	1800/70.9	1800/70.9	600/23.6	PPOD18186	PSS186
Freestanding	2	1600/64.0	1200/47.3	500/19.7	PPOD16125	PSS165
Freestanding	2	1600/64.0	1200/47.3	600/23.6	PPOD16126	PSS166
Freestanding	2	1400/55.1	1200/47.3	500/19.7	PPOD14125	PSS145
Freestanding	2	1200/47.3	1200/47.3	500/19.7	PPOD12125	PSS125
DISSCONNECT	2	2200/86.6	1600/64.0	500/19.7	PTDDC22165	PSS225
DISSCONNECT	2	2200/86.6	1600/64.0	600/23.6	PTDDC22165	PSS226
DISSCONNECT	2	2000/78.7	1600/64.0	500/19.7	PTDDC20165	PSS225
DISSCONNECT	2	2000/78.7	1600/64.0	600/23.6	PTDDC20165	PSS226
DISSCONNECT	2	2000/78.7	1600/64.0	500/19.7	PTDDC20165	PSS225
DISSCONNECT	2	2000/78.7	1600/64.0	600/23.6	PTDDC20165	PSS226
DISSCONNECT	2	1800/70.9	1600/64.0	400/15.8	PTDDC18164	PSS184
DISSCONNECT	2	1800/70.9	1600/64.0	500/19.7	PTDDC18165	PSS185
DISSCONNECT	2	1800/70.9	1800/70.9	400/15.8	PTDDC18184	PSS184
DISSCONNECT	2	1800/70.9	1800/70.9	500/19.7	PTDDC18185	PSS185
DISSCONNECT	2	1800/70.9	1800/70.9	600/23.6	PTDDC18186	PSS186
DISSCONNECT	2	1600/64.0	1600/64.0	400/15.8	PTDDC16164	PSS164
DISSCONNECT	2	1600/64.0	1600/64.0	500/19.7	PTDDC16165	PSS165
DISSCONNECT	2	1600/64.0	1600/64.0	600/23.6	PTDDC16166	PSS166
DISSCONNECT	2	1600/64.0	1200/47.3	400/15.8	PTDDC16124	PSS164
DISSCONNECT	2	1600/64.0	1200/47.3	500/19.7	PTDDC16125	PSS165
DISSCONNECT	2	1600/64.0	1200/47.3	600/23.6	PTDDC16126	PSS166

FREE FACTORY ASSEMBLY

Whether you need a standard preconfigured industrial package or a custom solution, PROLINE enclosures can be assembled at the factory free of charge as part of Hoffman's unique Assemble-To-Order (ATO) program.

Save time and hassle by using this free service offering.

- Factory assembly by certified professionals
- Preconfigured or custom solutions
- No fee
- Fast delivery

Ask about our Assembly-To-Order program!

CUSTOM SOLUTIONS WITH STANDARD COMPONENTS

PROLINE features a comprehensive set of standard components and accessories. These standard components can be used to create a custom enclosure uniquely suited to your application. For more information on optional standard components and accessories, refer to the PROLINE Configuration Handbook.

OPTIONS
Standard Components and Accessories

- Swing-out subpanel options and accessories
- Swing rack options and accessories
- Rack mounting options and accessories
- Grid and rail mounting system and accessories
- Side wall and door options and accessories
- Base options and accessories (plinth base, joining base, casters, transportation base, filtered gland plate)
- Roof options and accessories (vented, integral fan, pagoda exhaust vents, air conditioners)
- Door options and accessories (window doors, dress frame, 180° swing)
- Ganging and joining kits
- Barrier panels
- Desk consoles
- Cable management solutions and accessories
- EMC solutions
- Interlock, handle, and lock options
- Enclosure accessories (shelves, LED lights, spare part kits)

EXTERIOR SOLUTIONS

Window Doors

Disconnect Doors

Window Kit

Casters

INTERIOR SOLUTIONS

Barrier Panel

Heavy Duty Swing-Out Panel

LED Light

Folding Shelf For Door

CABLE MANAGEMENT SOLUTIONS

Cable Entry Cabinets

Vertical Tie-Down Bracket

Vertical Tie-Down Cable Manager

PROLINE GOLD SERIES DESK CONSOLES & COMPUTER WORK STATIONS

TYPE 12 UL®/NEMA/CSA/EEMAC IP55 IEC/VDE

PROLINE GOLD SERIES DESK CONSOLES
Form, Function and Value

The PROLINE Gold Series Desk Console provides an ideal surface for mounting a HMI or HMI controls such as keyboards, switches, or lights or HMIs. I it is ergonomically designed so operators can sit or stand while working.

- 25-degree sloped top
- Top door with built-in handle and door prop
- Lower front solid door
- A single part number orders a fully configured desk console
- Dual-access option with front and rear doors for easy access
- Accepts most PROLINE accessories

PROLINE GOLD SERIES COMPUTER WORK STATIONS
Superior Protection for your PC at an Affordable Price

PROLINE Gold Series Computer Workstations are full-featured, pre-assembled enclosures designed to provide superior protection for computer systems in industrial environments.

- Upper window door with 5-degree slope for reduced glare
- Lower front solid door
- Rear solid door
- Fold-down keyboard compartment with slide-out mouse tray
- Interior shelves (2)
- Lifting eyes
- Variety of front operator interface (keyboard) options
- Accepts most PROLINE accessories

Single-Bay Desk Console   Double-Bay Desk Console

PROLINE Gold Series Desk Consoles
*Custom sizes available on request

Console Description	Nominal Siz Height mm/in.	Nominal Size Width mm/in.	Nominal Size Depth mm/in.	Top Surface Height mm/in	Bottom Door Opening Height mm/in.	Catalog Number
Single-Bay	1000/39.3	700/27.6	400/15.8	540/21	610/24	PGLD1466CWS
Single-Bay	1000/39.3	1000/39.3	800/31.5	540/21	610/24	PGLD1468CWS
Single-Bay	1200/47.3	700/27.6	500/19.7	615/24	740/29	PGLD1486CWS
Single-Bay	1200/47.3	1000/39.3	500/19.7	615/24	740/29	PGLD1666CWS
Single-Bay Dual Access	1200/47.3	600/23.6	500/19.7	615/24	1000/39	PGLD1668CWS
Single-Bay Dual Access	1200/47.3	800/31.5	500/19.7	615/24	1000/39	PGLD1686CWS
Double-Bay	1200	1300	500	615/24	740/29	PGLD12135DC
Double-Bay	1200	1600	500	615/24	740/29	PGLD12165DC
Double-Bay Dual Access	1200	1200	500	615/24	1140/45	PGLD12125DC

PROLINE Gold Series Computer Work Stations
*Custom sizes available on request

Nominal Size Height mm/in.	Nominal Size Width mm/in.	Nominal Size Depth mm/in.	Top Door Opening Height mm/in.	Bottom Door Opening Height mm/in.	Rear Door Opening Height mm/in.	Catalog Number
1400/55.1	600/23.6	600/23.6	405/16	710/28	1455/57	PGLD1466CWS
1400/55.1	600/23.6	800/31.5	405/16	710/28	1455/57	PGLD1468CWS
1400/55.1	800/31.5	600/23.6	405/16	710/28	1455/57	PGLD1486CWS
1600/64.0	600/23.6	600/23.6	435/17	740/29	1510/60	PGLD1666CWS
1600/64.0	600/23.6	600/23.6	435/17	740/29	1510/61	PGLD1668CWS
1600/64.0	600/23.6	600/23.6	435/17	740/29	1510/62	PGLD1686CWS
1800/70.9	600/23.6	600/23.6	635/25	740/29	1710/37	PGLD1866CWS
1800/70.9	600/23.6	800/31.5	635/25	740/29	1710/37	PGLD1868CWS
1800/70.9	800/31.5	600/23.6	635/25	740/29	1710/37	PGLD1886CWS

MODIFIED AND CUSTOM ENCLOSURES

We're not successful unless our customers are successful. That's why we collaborate with industry experts and system engineers to tailor Hoffman solutions to the specific needs of the industrial environment. Start with a standard enclosure and modify it with custom color options as well as special cut-outs or hole patterns. Need something more complex? Hoffman has years of experience engineering completely customized electrical enclosure solutions from the ground up.

CUSTOMER FIRST

SPARE PART AVAILABILITY

Need an extra bracket or handle? At Hoffman, we take pride in providing world class customer service. Responsiveness and customer satisfaction are company priorities and employees world-wide are focused on performing to the high level both Hoffman customers and our company culture expects.

WORLD CLASS SUPPORT

With over 30,000 employees across the globe and field offices in 30 countries, Hoffman offers unparalleled customer support to quickly respond to your needs. Depend on Hoffman for local customer service, regional spare parts inventories and competitive standard warranties. Extended warranties and preventive maintenance are also available.

LEGENDARY QUALITY

WORRY FREE PROTECTION

When you make a substantial investment in your equipment, you need to know it's protected. Hoffman products are developed in world-class test facilities, based on 70+ years of enclosures experience. They're rigorously tested above and beyond typical industry standards for dust infiltration, thermal cycling, salt fog corrosion, vibration resistance and many other performance measures. The PROLINE enclosure system conforms to a comprehensive set of global standards including UL®, CSA, NEMA, IEC, and VDE.

QUALITY AND RELIABILITY

Hoffman products provide the legendary quality and reliability that have been setting the standard since the 1940's. Precision welds, smooth grinds, square corners, secure doors and latches, perfect finish and tight seals are what you expect and what Hoffman's high standards demand.

Hoffman

SPECIFICATIONS

PROTECTION RATING	
	Type 12 NEMA/EEMAC
	UL® 508A Listed; File Number E61997
	IP55 IEC 60529, VDE

CONFIGURATION	
	Frame
	Door/s
	Lock
	Mounting subpanel
	Gland plates
	Rear wall
	Top wall panel or roof plate
	4 eyebolts

MATERIAL	
Frame	12ga (~2.5mm) carbon steel
Doors	14ga (~1.8mm) for widths ≥800 mm, carbon steel 16ga (~1.6mm) for 600 mm, carbon steel
Mounting subpanel	10 ga (~3.0 mm) carbon steel on double doors 12ga (~2.5mm) galvanized or zinc plated carbon steel on single doors
Rear panel & Top panel	14ga (~1.5 mm) for widths ≥800 mm, carbon steel 16ga (~1.5 mm) for 600 mm, carbon steel

SURFACE FINISH	
	Frame, door, top panel and rear panel dip coated primed, powder-coated
	Color RAL 7035 textured light-gray
	Custom colors available upon request

APPROVALS	
	UL®
	CSA
	VDE
	CE

DETAILED DRAWING	
	Readily available; visit www.pentairprotect.com for more information.

DETAILS	
Frame	12 gauge, roll-formed, robotically welded with solid steel, fully welded corners; accommodates 25 mm DIN standard
Gasket	Seamless foam-in-place gasket provides a protective seal against moisture and contaminants
Door hinge	Reversible Left hinge default in North America. Rignt hinge default in Europe and rest of world.
Double door	Reversible
Lock	Slotted bit insert in North America, double bit insert in Europe and rest of world.
Grounding	Capped ground studs on door, rear and top panel. Grounding hardware for mounting plate included.
Special sizes	Available

MINNEAPOLIS
TORONTO
REYNOSA
MT. STERLING
MEXICO D.F.
BOITUVA
SÃO PAULO
RIO DE JANEIRO
SKARPNÄCK
MOSCOW
DZIERZONIOW
HEMEL HEMPSTEAD
AACHEN
WARSAW
STRAUBENHARDT
BETSCHDORF
LAINATE
ISTANBUL
DUBAI
BANGALORE
XI´AN
SHENYANG
BEIJING
SEOUL
SHIN-YOKOHAMA
QINGDAO
SHENZEN
SHANGHAI
HONG-KONG
SINGAPORE

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