60-mm BUSBAR SYSTEM
Wöhner **QCQ** (Quick CAD Quote)

PROTECTING YOUR ADVANTAGE

Hoffman®

Reduce labor time by up to 40 percent. Reduce panel space by up to 25 percent.

What is QCQ?

- 48-hour quote turnaround on any concept
- Illustrated CAD assembly of Wöhner components applied according to our technical experience
- Complete bill-of-material for the illustrated assembly
- Pricing at Hoffman List Price

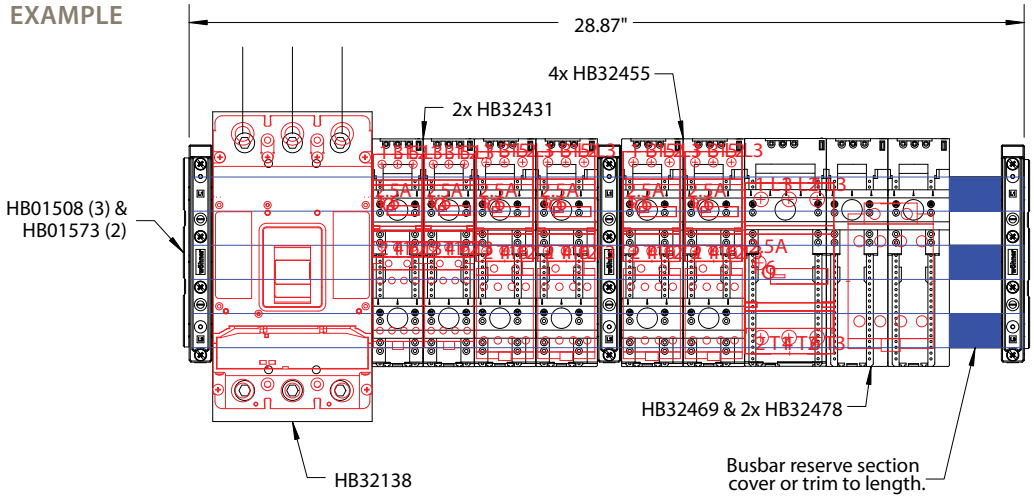
wöhner NORTH AMERICA

QCQ

Let us overcome your concerns. With QCQ, there is no need to:

- Invest in a long learning curve for the development of a design – just tell us what you're trying to do
- Worry about every last piece part – our quotation will include a complete bill of material
- Accommodate long lead times – 95% of components are stocked in North America
- Wait – we'll provide a solution while the concept is fresh in your mind

EXAMPLE



Sample Quotation

Catalog Number	QTY	Description	Comments	Hoffman U.S. List Price	Extended List Price
HB01508	3	Universal busbar support, system 60. Conforms to UL508A	Busbar support	$35.77	$107.31
HB01573	2	End cover, for busbar support 01495, 01500 and 01508	Busbar support end cover	$13.93	$27.86
HB01622	1	Busbar, UL-rated 500 A, length 2.40 m, tinned, 30 x 5	Busbar can be cut to length by Wöhner	$843.00	$843.00
HB32138	1	570A Adapter to mount C-H LG-Frame beaker	Mounts C-H LG-frame breaker	$280.70	$280.70
HB32455	4	Adaptor EEC 63 A, 2 adjustable mounting rails, system 60, standard version, 54 x 200	Mounts 25 hp Combo	$67.15	$268.60
HB32431	2	Adaptor EEC 25 A, 2 adjustable mounting rails, system 60, standard version, 45 x 200	Mounts 5 & 15 hp Combo	$51.81	$103.62
HB32469	1	Adaptor EEC 80 A, 1 adjustable mounting rails, system 60, standard version, 72 x 200	Paired with 2 x 32478, mounts 50 hp Combo	$92.42	$92.42
HB32478	2	Busbar component support EEC, 2 adjustable mounting rail, system 60, standard	Paired with 32478, mounts 50 hp Combo	$50.64	$101.28
HB01515	1	Bottom trough UL, 240 x 700 (27.5" long)	UL bottom trough	$62.38	$62.38
				Total	**$1,887.17**

NOTE: Quotation derived from the example described on the reverse page.
Pricing is for illustration purposes only. Prices are subject to change over time.

Pentair
Technical Products

Disclaimer:
This drawing is a suggested arrangement of the Wöhner Busbar System, based on unverified application requirements. The acceptability of this system for the eventual application is the sole responsibility of the panel builders.

Wöhner QCQ
DESIGN QUESTIONNAIRE

KEEP IT SIMPLE WITH 7 STEPS

	System Design Considerations	Parameters	*Example	Enter Feedback Here
1	**What is the system voltage and wiring configuration?** Wöhner systems can be designed for both AC and DC voltages up to 1000 V. We can incorporate busbars and supports for 1, 2, 3, 4 or 5 wire systems.	1 bar - Ground 2 bars - DC 3 bars - 3ø 4 bars - 3ø+N 5 bars - 3ø+N+G	480 VAC, 3ø	
2	**What is the total current requirement of the system?** Wöhner systems utilize 4 standard gauges of busbar for systems up to 756 A and 3 special profile busbars for systems up to 1800 A. With design considerations, we can achieves current ratings up to 4000 A.	12 x 5 – 150 A 20 x 5 – 362 A 30 x 5 – 500 A 30 x 10 – 756 A TT500 – 1,200 A TT720 – 1,400 A TTT – 1,800 A	400 amps	
3	**What is the main over-current protection device and where is it mounted?** Identifying the make and model of the fuses, the fusible switch, the molded case circuit breaker or the lack of a main over-current device (main lug only) will allow us to recommend the most space saving design.	I.D. Make and Model	C-H LG-frame MCCB Busbar mounted	
4	**Size, count and construction of incoming cables?** Wöhner systems can accommodate up to 600 MCM cables (420 A). For higher current ratings we will use parallel AWG conductors or propose insulated flat flexible busbar.	AWG#16 to 600 MCM or Flat Flex	AWG 600 MCM, one per phase, into lugs on C-H LG breaker	
5	**Define the system branch circuits?** A Wöhner system is best suited to applications with at least 4 branch circuits – the more the better. It's all about power distribution to the branch circuits.	MCCBs IEC Motor Controls DIN Power Devices Fused Circuits Power Taps	4x 25 HP MCP 1x 15 HP MCP 1x 5 HP MCP 1x 50 HP MCP	
6	**Any size or space limitations?** The busbar system may allow you to fit your system into a smaller, less expensive enclosure. It's a great way to beat the competition on system size and labor.	Enclosure H x W x D Panel H x W Vertical or horizontal Shipping splits	36" x 30" x 10" NEMA 4	
7	**Other considerations?** Does the system need to be UL 508 compliant? Has a required SCCR been determined? Any international listings needed?	UL 508 IEC Up to 100 kA SCCR	UL 508	

*** Example:** These responses resulted in the system quotation illustrated on the reverse page. It was quickly determined that the system would fit into a 30" x 30" x 10" stainless steel enclosure, adding to the customer's cost savings. Six holes were drilled and tapped to support the busbar structure, dramatically decreasing assembly time.

Additional Suggestions (not required):

- E-mail a photo of the current panel design.
- Attach a scanned or electronically generated panel layout and the system bill of material.
- Attach a system 1-line diagram showing the flow of your system.
- Faxed sketches are acceptable.
- Include the phone number or e-mail address of the system designer who can be contacted with questions.

Company Name: _____

Contact: _____

Phone: _____ E-mail: _____

My Hoffman Sales Representative is: _____

• *Fax responses to the questions above to Wöhner at 603.926.0870 or e-mail to* ***QCQ@woehner.com.***

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