

# Cool Blue Variable Frequency Drive Bypass Assembly

**Honeywell**



**The Most Complete And Compact  
Platform In The Industry**



## Honeywell Cool Blue Variable Frequency Drive (VFD) Bypass Assemblies come with essential standard features that competitive brands sell as marked-up add-ons.

Just when you get a VFD bid worked into your project budget, along come the surprises: components critical to your facility's operations, like line reactors and EMI/RFI filters, are "options" not include in the bid. These add-ons often also increase the VFD/Bypass Assembly footprint, causing you to rework the project's design or take up significantly more valuable mechanical room space.

With Honeywell Cool Blue VFD Bypass Assemblies, you don't have to worry about added costs or increased size. RFI filters, an AC choke and other key features are standard and come compactly installed inside the drive.

### NO SURPRISES

The Honeywell Cool Blue VFD/Bypass provides the most complete and compact platform in the industry without hidden costs and without excessive size and weight. You get critical protection to safeguard your customers' investment, meet restrictive codes and specifications, and avoid worries about more expensive future add-ons up front.

### TRULY MEETING YOUR NEEDS

From 1.5 to 450 HP, you can meet every motor requirement from one single platform — the Cool Blue. A fully integrated NEMA 1 VFD bypass design means the unit is ready to install.

Available in VFD Bypass frame sizes S1, S2, S3, S4 and S5 in vertical layout and frame sizes S6 and S7 in side-by-side layout, the Cool Blue features a built-in wiring trough for easy access and installation.

Because all Cool Blue Bypass Assemblies utilize the same NXS or NXL keypad user interface and applications, you can get the unit up and running in minutes. You aren't wasting valuable time learning how to program yet another de-featured product line that touts itself as being the "lowest cost." Lowest installed cost is more than just the product price — it's all about avoiding hidden labor costs, too.

### FASTEST SHIPPING IN THE INDUSTRY

Best of all, Cool Blue Bypass Assemblies keep you and your team off the critical path and away from emergency orders and shipping costs by providing shipment in five days or less for most sizes and configurations from the date you place your order with Honeywell — not the typical four to six weeks that doesn't help your project schedule. No other brand delivers like Honeywell.

### PART OF THE HONEYWELL VFD FAMILY

Cool Blue Bypass Assemblies are part of the complete Honeywell family of variable frequency drives and bypass assemblies that let you meet all of your VFD needs from just one supplier. Along with the world-renowned Honeywell reliability, all Honeywell VFDs share common features that you'll appreciate on every project:

- Common user interface
- Built-in AC choke (input line reactor) protects the VFD and downstream components from voltage spikes and sags
- Integrated input and output RFI filters reduce electro-magnetic interference and harmful harmonics
- Broad communication capabilities (BACnet®, LonWorks®, Modbus®, N2 and other protocols)
- Built-in applications make any setup, from accepting a basic speed signal up to complex PID control, quick and easy
- Warranty — 2 years from installation

### VFD/Bypass Cool Blue Configurable Feature Option

VFD BASIC CHARACTERISTICS			COOL BLUE BYPASS CONFIGURABLE FEATURE OPTIONS									
Drive Families	Voltage/HP	Voltage Enclosure Options	Bypass or Disconnect	Enclosure Type	Contactors	Drive Input Disconnect	Main Disconnect	Drive Input Fuses	Pilot Lights	Control Transformer	Custom Option	
NXL, NXS, and NXP	208V/230V / 0.5 to 75 460V / 1.5 to 450	NEMA1 or NEMA 12	Bypass or VFD Disconnect	NEMA 1, 12, or 3R/4	2 or 3 Contactor Bypass	Bypass with Disconnect Yes or No	Fused Circuit Breaker Neither No Disconnect	Yes or No	Yes or No	Yes or No	Contact Honeywell for Quote	



## CONFIGURABLE TO YOUR RECOMMENDATIONS

With Honeywell Cool Blue Bypass Assemblies, you can select only the features you need or from a “best value” fully featured 3-contactor bypass. Build your bypass by configuring from the following standard options:



NXS Series VFD/Bypass Assembly Dimension and Weight Table

SIZE	HP/WEIGHT <sup>1</sup>	LAYOUT <sup>2</sup>	460V	230V	208V	WIDTH <sup>3</sup>	HEIGHT <sup>3</sup>	DEPTH <sup>3</sup>
1	HP	V	1.5 – 7.5	1 – 3	1 – 3	9.5	40	9.5
	Weight		43	44	44			
2	HP	V	10 – 20	5 – 7.5	5 – 7.5	11	46	10.5
	Weight		62	62	62			
3	HP	V	25 – 30 – 40	15 – 20	15 – 20	14	53	12
	Weight		99	99	99			
4	HP	V	50 – 60 – 75	25 – 30	25	16	62	13
	Weight		154	154	154			
5	HP	S	100 – 125 – 150	40 – 75	30 – 75	36	54	16
	Weight		360	360	360			
6	HP	S	200 – 250	Call Factory	Call Factory	Call Factory	Call Factory	Call Factory
	Weight		Call Factory	Call Factory	Call Factory			

<sup>1</sup>Lb. <sup>2</sup>V = vertical; S = side-by-side <sup>3</sup>Inches.

**Learn More**

For more information on Honeywell Variable Frequency Drives, contact your local Honeywell distributor, your Honeywell sales representative, or visit [customer.honeywell.com/buildings](http://customer.honeywell.com/buildings).

**Automation and Control Solutions**

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In Canada:

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35 Dynamic Drive  
Toronto, Ontario M1V 4Z9

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Miami, FL 33178

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