

VFD Product Catalog



NX Series Variable Frequency Drives

Honeywell

Variable Frequency Drives

Table of Contents

Variable Frequency Drive Selection Guide	2
NXL Variable Frequency Drives	5
NXP Variable Frequency Drives	8
NXS Variable Frequency Drives	9
Designation Code for NX Series Drives/Bypass Assemblies	14
Cool Blue Variable Frequency Drive Bypass Assembly	15
NXL Variable Frequency Drives with by-pass, NEMA 1 Enclosure	17
NXL Variable Frequency Drives with by-pass, NEMA 12 Enclosure	19
NXS Variable Frequency Drives with by-pass, NEMA 12 Enclosure	21
NXS Variable Frequency Drives with Cool Blue by-pass, NEMA 1 Enclosure	26
Slimline Variable Frequency Drive Bypass Assembly	31
NXL Variable Frequency Drives with Slimline by-pass, NEMA 1 Enclosure	32
NXS Variable Frequency Drives with Slimline by-pass, NEMA 1 Enclosure	34
Variable Frequency Drive Accessories	38
Variable Frequency Drive Replacement Parts	38
Wiring Diagrams	39



Features Of The Drive: Broad Application, Simple Startup, Long Life

NX Series features include:

- Integrated AC choke for maximum protection and minimum harmonics
- Integral RFI filter for residential and light commercial as well industrial
- Factory tested at maximum temperature and load
- Flexibility in communication with multiple fieldbus options: LonWorks®, N2/Modbus®, DeviceNet, BACnet® and ProfiBus
- Highly flexible I/O configuration
- Multi-application software package pre-installed
- Versatile PC tools for loading, adjusting and comparing parameters
- Slim, space-saving "bookshelf" design for side-by-side installation
- Continuous self-supervising runtime and alarm system enhances reliability and safety
- Control logic can be powered from an external auxiliary supply, maintaining power to the control panel, internal drive functions and fieldbuses while the power module is down
- Configurations and applications can be transferred between drives
- Multilingual control display

Years of experience are behind the design and manufacture of these reliable, robust drives.

The NX Series extends the CX Series' reputation for reliability, with the same high level of resistance to electromagnetic interference. The NXS and NXL control units incorporate the same application packages, control panels, I/O cards and can connect to the same PC tools package. Easy programming and commissioning simplify start-up. The NX default control I/O includes the most common control inputs and outputs. For maximum compatibility, the wiring terminals of the NX Series match the previous CX Series settings. Setting parameters is easy too, using either the control panel or the PC tools for the NX.

An optimal solution is available for most application needs. The modular design allows the choice of only the needed functions and features for specific applications. A wide selection of option cards offers new possibilities for future reconfigurations.



From simple HVAC applications to closed-loop process control applications, the Honeywell NX Series is the right Variable Frequency Drive (VFD) for all scenarios.

You can depend on an NX Series drive to control anything from simple fans, pumps, and compressors to elevators, cranes, or winders. NXS models offer the greatest application versatility for multiple control applications. NXL models meet simple application needs in the low-horsepower range.

Together, these versatile performers feature modular, easily adaptable hardware, precise semiconductor technology and a flexible, pre-installed application package that supports a fieldbus system. That makes NX Series drives the single best solution for a wide range of HVAC and industrial applications.

For Distributors/Contractors

For the distributor or contractor, the NX Series offers a range of new application capabilities that help keep stock to a minimum and speed installation.

Since the NX is a functional replacement for its predecessor, the CX Series, existing drawings, installation and training material can be easily adapted. In addition, a wide selection of option cards offers new possibilities for reconfiguring the drive to future requirements. The wide voltage range, high overload capacity, and a user-friendly alphanumeric display on the control panel make choosing and opening the correct drive very easy.

For OEM Customers

For the OEM customer, the modular construction and wide selection of option cards make the NX Series a drive that can be easily incorporated into almost any application. The versatile programming tool enables easy and seamless integration into your existing control strategy, and the onboard intelligence means the drive can replace the local controller.

For System Designers

The flexible I/O configuration and the dynamic performance of the NX Series make it ideal for a wide range of system applications, including drives used in HVAC and industrial markets. The NX Series can be configured to operate with several different fieldbuses, making it easy to communicate with a variety of control systems. The powerful control unit can be used for local control tasks, freeing the control system for general control tasks and minimizing the total number of controllers necessary for a complete automation solution.

Variable Frequency Drives

Variable Frequency Drives

Honeywell NX Series Variable Frequency Drives



- Fan easy to replace Software controlled On/Off
- All metal main circuit module
- Removable keypad with copy function
- RS-232 interface as standard
- Control module with extended 24 Vdc supply
- Control I/O with 5 option modules
- Power wiring box separated

PICK THE RIGHT VFD FOR THE APPLICATION

Choice of Drives

All drives are dimensioned using the same principle, i.e. the current required by the load. The selection of the drive is determined by the degree of overload capacity required and the ambient temperature.

Overload conditions have been defined:

Low overload – 10% for 1 minute every 10 minutes, 150% starting torque, 40°C ambient temperature. Typical applications include centrifugal fans and pumps as well as rotary compressors with slow variations in load.

General Selection Tips

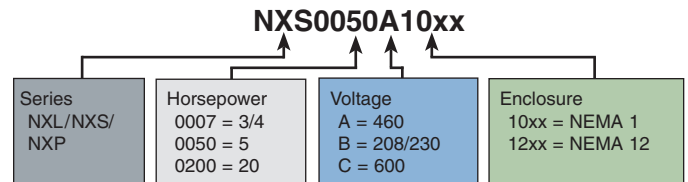
When selecting by Hp — and the drive is to be used with a motor with 8 poles or more — verify the current capacity of the drive is sufficient. The NX drives are suitable for multi-motor applications. The total value of the rated motor currents must then be less than the rated drive current.

If the motors are required to start on a running drive, the starting current of the largest motor must be added to the total value of the running currents.

NX Series — Drive Only

Dimension and Weight by Frame Size		
Frame	Width x Height x Depth (Inches)	Weight (lb.)
MF2	2.4 x 5.1 x 5.9	2.2
MF3	3.3 x 7.3 x 6.9	4.2
MF4 / FR4	5 x 11.5 x 7.5	11
MF5 / FR5	5.7 x 15.4 x 8.4	17.9
MF6 / FR6	7.7 x 20.4 x 9.3	40.8
FR7	9.3 x 23.3 x 10.1	77.2
FR8	11.2 x 28.4 x 12.3	127.9
FR9	18.9 x 45.3 x 14.3	321.9
FR10	23.4 x 79.5 x 23.4	661.1

Note: MF2-MF6 and FR4-FR9 Wall Mounted. FR10 Free Standing Floor Mounted.



NXL 208-240V

OPEN CHASSIS	Motor shaft power (230V) and current		Frame Size — Drive Only
	Low overload (VT)		
	P [Hp] (230V)	I (L)	
NXL0005B1006	0.5	2.4 A	MF2
NXL0010B1009	1	4.8 A	MF3
NXL0015B1004	1.5	6.6 A	MF3
NXL0020B1007	2	6.6 A	MP3

NXL 380-500V

OPEN CHASSIS	NEMA 1	NEMA 12	Motor shaft power (500V) and current		Frame Size — Drive Only
			Low overload (VT)		
			P [Hp] (500V)	I (L)	
NXL0007A1006	—	—	0.75	1.9 A	MF2
NXL0010A1001	—	—	1	2.4 A	MF2
NXL0015A1006	—	—	1.5	3.3 A	MF3
NXL0020A1009	—	—	2	4.3 A	MF3
NXL0030A1007	—	—	3	5.4 A	MF3
—	NXL0015A1014	NXL0015A1204	1.5	3.3 A	MF3
—	NXL0020A1017	NXL0020A1207	2	4.3 A	MF3
—	NXL0030A1015	NXL0030A1205	3	5.4 A	MF3
—	NXL0040A1005	NXL0040A1203	4	7.6 A	MF4
—	NXL0050A1002	NXL0050A1200	5	9 A	MF4
—	NXL0075A1003	NXL0075A1201	7.5	12 A	MF4
—	NXL0100A1002	NXL0100A1200	10	16 A	MF5
—	NXL0150A1001	NXL0150A1209	15	23 A	MF5
—	NXL0200A1001	NXL0200A1209	20	31 A	MF5
—	NXL0250A1000	NXL0250A1208	25	38 A	MF6
—	NXL0300A1000	NXL0300A1208	30	46 A	MF6
—	NXL0400A1009	NXL0400A1207	40	61 A	MF6

NXS 208-240V

NEMA 1	NEMA 12	Motor shaft power (230V) and current		Frame Size — Drive Only
		Low overload (VT)		
		P [Hp] (230V)	I (L)	
NXS0010B1000	NXS0010B1208	1	4.8 A	FR4
NXS0015B1005	NXS0015B1203	1.5	6.6 A	FR4
NXS0020B1008	NXS0020B1206	2	7.8 A	FR4
NXS0030B1006	NXS0030B1204	3	11 A	FR4
NXS0040B1004	NXS0040B1202	4	12.5 A	FR4
NXS0050B1001	NXS0050B1209	5	17.5 A	FR5
NXS0075B1002	NXS0075B1200	7.5	25 A	FR5
NXS0100B1001	NXS0100B1209	10	31 A	FR5
NXS0150B1000	NXS0150B1208	15	48 A	FR6
NXS0200B1000	NXS0200B1208	20	61 A	FR6
NXS0250B1009	NXS0250B1207	25	75 A	FR7
NXS0300B1009	NXS0300B1207	30	88 A	FR7
NXS0400B1008	NXS0400B1206	40	114 A	FR7
NXS0500B1007	NXS0500B1205	50	140 A	FR8
NXS0600B1006	NXS0600B1204	60	170 A	FR8
NXS0750B1004	NXS0750B1202	75	205 A	FR8
NXS1000B1000	NXS1000B1208	100	261 A	FR9
NXS1250B1007	NXS1250B1205	125	300 A	FR9

NXS/P 380-500V

NEMA 1	NEMA 12	Motor shaft power (500V) and current		Frame Size — Drive Only
		Low overload (VT)		
		P [Hp] (500V)	I (L)	
NXS0015A1007	NXS0015A1205	1.5	3.3 A	FR4
NXS0020A1000	NXS0020A1208	2	4.3 A	FR4
NXS0030A1008	NXS0030A1206	3	5.6 A	FR4
NXS0040A1006	NXS0040A1204	4	7.6 A	FR4
NXS0050A1003	NXS0050A1201	5	9 A	FR4
NXS0075A1004	NXS0075A1202	7.5	12 A	FR4
NXS0100A1003	NXS0100A1201	10	16 A	FR5
NXS0150A1002	NXS0150A1200	15	23 A	FR5
NXS0200A1002	NXS0200A1200	20	31 A	FR5
NXS0250A1001	NXS0250A1209	25	38 A	FR6
NXS0300A1001	NXS0300A1209	30	46 A	FR6
NXS0400A1000	NXS0400A1208	40	61 A	FR6
NXS0500A1009	NXS0500A1207	50	72 A	FR7
NXS0600A1008	NXS0600A1206	60	87 A	FR7
NXS0750A1006	NXS0750A1204	75	105 A	FR7
NXS1000A1002	NXS1000A1200	100	140 A	FR8
NXS1250A1009	NXS1250A1207	125	170 A	FR8
NXS1500A1007	NXS1500A1205	150	205 A	FR8
NXS2000A1000	—	200	261 A	FR9
NXP2500A1005	—	250	300 A	FR9
NXP3000A1003	—	300	385 A	FR10
NXP3500A1008	—	350	460 A	FR10
NXP4500A1006	—	450	520 A	FR10

NXS 525-690V

NEMA 1	NEMA12	Motor shaft power (230V) and current		Frame Size — Drive Only
		Low overload (VT)		
		P [Hp] (230V)	I (L)	
NXS0030C1004	NXS0030C1202	3	4.5 A	FR6
NXS0040C1002	NXS0040C1200	4	5.5 A	FR6
NXS0050C1009	NXS0050C1207	5	7.5 A	FR6
NXS0075C1000	NXS0075C1208	7.5	10 A	FR6
NXS0100C1009	NXS0100C1207	10	13.5 A	FR6
NXS0150C1008	NXS0150C1206	15	18 A	FR6
NXS0200C1008	NXS0200C1206	20	22 A	FR6
NXS0250C1007	NXS0250C1205	25	27 A	FR6
NXS0300C1007	NXS0300C1205	30	34 A	FR6
NXS0400C1006	NXS0400C1204	40	41 A	FR7
NXS0500C1005	NXS0500C1203	50	52 A	FR7
NXS0600C1004	NXS0600C1202	60	62 A	FR8
NXS0750C1002	NXS0750C1200	75	80 A	FR8
NXS1000C1008	NXS1000C1206	100	100 A	FR8
NXS1250C1005	NXS1250C1203	125	125 A	FR9
NXS1500C1003	NXS1500C1201	150	144 A	FR9
NXS2000C1006	NXS2000C1204	200	208 A	FR9

VARIABLE FREQUENCY DRIVE ACCESSORIES

	Honeywell Part Number	Description	Compatible With	NXS Slot
Input/Output Expansion Cards	32006630-001	Lonbus Card	NXS/P and NXL	D,E
	32006630-002	Multi-Protocol Card	NXS/P and NXL	D,E
	2006630-003	2 Relay Outputs (NO/NC)	NXS/P	B
	32006630-004	6 Digital Inputs/Outputs Programmable	NXS/P and NXL	B,C,D,E
	32006630-005	6 Digital Inputs, 1 Digital Output, 2 Analog Inputs, 1 Analog Output	NXS/P	A
	32006630-006	1 Relay Output (NO/NC), 1 Relay Output (NO), 1 Thermistor Input Motor	NXS/P	B
	32006630-007	3 Relay Outputs (NO)	NXS/P and NXL	B,C,D
	32006630-008	1 Analog Input (mA), 2 Analog Outputs (mA)	NXS/P and NXL	B,C,D,E
	32006630-009	NXL Option Card, 3DI, 1 RO (NO/NC), 1 DO	NXL	
	32006630-010	Profibus Card	NXS/P and NXL	D, E
	32006630-011	Device Net Card	NXS/P and NXL	D, E
	32006630-012	1 Ro (NO) 5 DI, 4I-240 VAC	NXS/P/NXL	B, C, D, E
	32006630-013	BACnet Card	NXS/P and NXL	D,E
Miscellaneous Accessories	32004193-002	Alphanumeric Display	CXS/CXL	
	32006627-001	RFI Filter for NXL Units up to 3HP	NXL	
	32006628-001	Panel Mount Kit, NEMA 12, Six Foot Cable	NXS/P	
	32006629-001	Blank Display	NXS/P	
	32006629-002	Alphanumeric Display	NXS/P	
	32006629-003	Seven Segment Display for NXL	NXL	
	32006629-004	NXL RS232 Adapter	NXL	
	32006662-001	NXL Demonstration Kit	NXL	
32006662-002	NXS Demonstration Kit	NXS/P		

Variable Frequency Drives

NXL Variable Frequency Drives



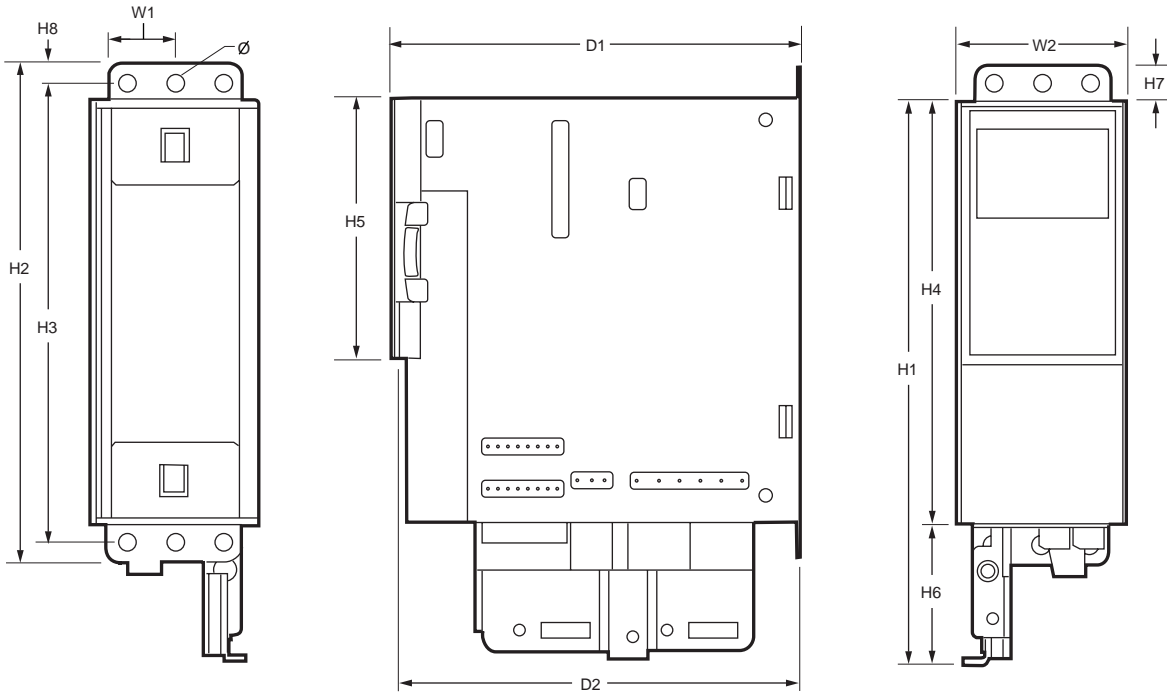
Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Multi-Control applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2599, Users Manual, Technical Data sections).
- Open Chassis, NEMA 1 and NEMA 12 enclosures.
- Compact Size.
- Insulated gate bi-polar transistor (IGBT) technology.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continuous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	No filter (Open Chassis); Industrial Filter (NEMA 1 and NEMA 12)

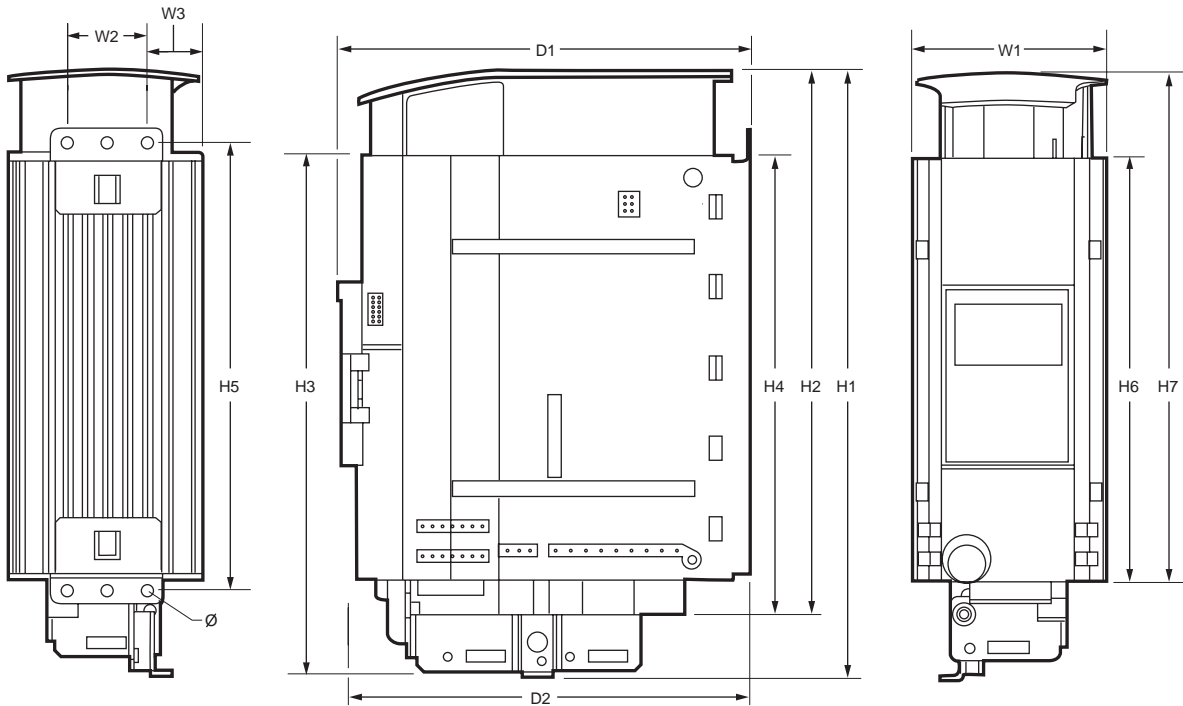
Variable Frequency Drives

Dimension Diagrams



TYPE	DIMENSIONS (INCH)													
	W1	W2	H1	H2	H3	H4	H5	H6	H7	H8	D1	D2	Ø	
MF2	1.18	2.36	6.77	5.98	5.51	5.12	3.15	1.65	0.43	0.24	5.91	5.67	0.24	

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TYPE	DIMENSIONS (INCH)													
	W1	W2	W3	H1	H2	H3	H4	H5	H6	H7	D1	D2	Ø	
MF3	1.31	1.38	0.91	10.31	9.25	8.78	7.83	7.60	7.24	8.66	6.77	6.54	0.24	

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Variable Frequency Drives

Open Chassis - 208/230 and 480 Volt

Product Number	Dimensions W x H x D		Frame Type	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)						
NXL0005B1006	2.4 x 5.1 x 5.9	61 x 130 x 150	MF2	0.5 HP	200 Vac; 240 Vac	2.4 A	Open Chassis	2.2 lb
NXL0007B1004	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	MF3	0.75 HP	200 Vac; 240 Vac	3.7 A	Open Chassis	4.19 lb
NXL0010B1009	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	MF3	1 HP	200 Vac; 240 Vac	4.8 A	Open Chassis	4.19 lb
NXL0015B1004	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	MF3	1.5 HP	200 Vac; 240 Vac	6.6 A	Open Chassis	4.19 lb
NXL0007A1006	2.4 x 5.1 x 5.9	61 x 130 x 150	MF2	0.75 HP	440 Vac; 500 Vac	1.9 A	Open Chassis	2.2 lb
NXL0010A1001	2.4 x 5.1 x 5.9	61 x 130 x 150	MF2	1 HP	440 Vac; 500 Vac	2.4 A	Open Chassis	2.2 lb
NXL0015A1006	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	MF3	1.5 HP	440 Vac; 500 Vac	3.3 A	Open Chassis	4.19 lb
NXL0020A1009	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	—	2 HP	440 Vac; 500 Vac	4.3 A	Open Chassis	4.19 lb
NXL0030A1007	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	—	3 HP	440 Vac; 500 Vac	5.4 A	Open Chassis	4.2 lb

NEMA 1 Enclosure - 480 Volt

Product Number	Dimensions W x H x D		Frame Type	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)						
NXL0015A1014	5 x 11.5 x 7.5	128x292x190	MF4	1.5 HP	440 Vac; 500 Vac	3.3 A	NEMA 1	11 lb
NXL0020A1017	5 x 11.5 x 7.5	128x292x190	MF4	2 HP	440 Vac; 500 Vac	4.3 A	NEMA 1	11 lb
NXL0030A1015	5 x 11.5 x 7.5	128x292x190	MF4	3 HP	440 Vac; 500 Vac	5.6 A	NEMA 1	11 lb
NXL0040A1005	5 x 11.5 x 7.5	128x292x190	MF4	4 HP	440 Vac; 500 Vac	7.6 A	NEMA 1	11 lb
NXL0050A1002	5 x 11.5 x 7.5	128x292x190	MF4	5 HP	440 Vac; 500 Vac	9.0 A	NEMA 1	11 lb
NXL0075A1003	5 x 11.5 x 7.5	128x292x190	MF4	7.5 HP	440 Vac; 500 Vac	12.0 A	NEMA 1	11 lb
NXL0100A1002	5.7 x 15.4 x 8.4	144x391x214	MF5	10 HP	440 Vac; 500 Vac	16.0 A	NEMA 1	17.9 lb
NXL0150A1001	5.7 x 15.4 x 8.4	144x391x214	MF5	15 HP	440 Vac; 500 Vac	23.0 A	NEMA 1	17.9 lb
NXL0200A1001	5.7 x 15.4 x 8.4	144x391x214	MF5	20 HP	440 Vac; 500 Vac	31.0 A	NEMA 1	17.9 lb
NXL0250A1000	7.7 x 20.4 x 9.1	195x519x237	MF6	25 HP	440 Vac; 500 Vac	38.0 A	NEMA 1	41.8 lb
NXL0300A1000	7.7 x 20.4 x 9.2	195x519x237	MF6	30 HP	440 Vac; 500 Vac	46.0 A	NEMA 1	41.8 lb
NXL0400A1009	7.7 x 20.4 x 9.3	195x519x237	MF6	40 HP	440 Vac; 500 Vac	61.0 A	NEMA 1	41.8 lb

NEMA 12 Enclosure - 480 Volt

Product Number	Dimensions W x H x D		Frame Type	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)						
NXL0015A1204	5 x 11.5 x 7.5	128x292x190	MF4	1.5 HP	440 Vac; 500 Vac	3.3 A	NEMA 12	11 lb
NXL0020A1207	5 x 11.5 x 7.5	128x292x190	MF4	2 HP	440 Vac; 500 Vac	4.3 A	NEMA 12	11 lb
NXL0030A1205	5 x 11.5 x 7.5	128x292x190	MF4	3 HP	440 Vac; 500 Vac	5.6 A	NEMA 12	11 lb
NXL0040A1203	5 x 11.5 x 7.5	128x292x190	MF4	4 HP	440 Vac; 500 Vac	7.6 A	NEMA 12	11 lb
NXL0050A1200	5 x 11.5 x 7.5	128x292x190	MF4	5 HP	440 Vac; 500 Vac	9.0 A	NEMA 12	11 lb
NXL0075A1201	5 x 11.5 x 7.5	128x292x190	MF4	7.5 HP	440 Vac; 500 Vac	12.0 A	NEMA 12	11 lb
NXL0100A1200	5.7 x 15.4 x 8.4	144x391x214	MF5	10 HP	440 Vac; 500 Vac	16.0 A	NEMA 12	17.9 lb
NXL0150A1209	5.7 x 15.4 x 8.4	144x391x214	MF5	15 HP	440 Vac; 500 Vac	23.0 A	NEMA 12	17.9 lb
NXL0200A1209	5.7 x 15.4 x 8.4	144x391x214	MF5	20 HP	440 Vac; 500 Vac	31.0 A	NEMA 12	17.9 lb
NXL0250A1208	7.7 x 20.4 x 9.1	195x519x237	MF6	25 HP	440 Vac; 500 Vac	38.0 A	NEMA 12	41.8 lb
NXL0300A1208	7.7 x 20.4 x 9.2	195x519x237	MF6	30 HP	440 Vac; 500 Vac	46.0 A	NEMA 12	41.8 lb
NXL0400A1207	7.7 x 20.4 x 9.3	195x519x237	MF6	40 HP	440 Vac; 500 Vac	61.0 A	NEMA 12	41.8 lb

Variable Frequency Drives

NXP Variable Frequency Drives

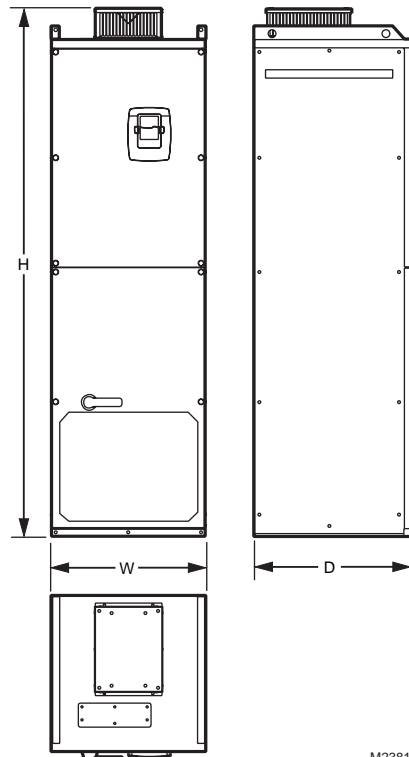


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Seven configurable applications built in.
- Easy commissioning through software or control panel.
- Devices are free-standing to ensure secure installation.
- Insulated gate bi-polar transistor (IGBT) technology.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc, 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continuous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 1

Dimension Diagrams



M23816

Product Number	Dimensions W x H x D		Frame Type	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)					
NXP3000A1003	23.4 x 79.5 x 23.7	595x2018x602	FR10	300 HP	460 Vac	385 A	595.25 lb
NXP3500A1008	23.4 x 79.5 x 23.7	595x2018x602	FR10	350 HP	460 Vac	460 A	595.25 lb
NXP4500A1006	23.4 x 79.5 x 23.7	595x2018x602	FR10	450 HP	460 Vac	520 A	595.25 lb

Variable Frequency Drives

NXS Variable Frequency Drives



Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Seven configurable applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2600, Users Manual, Technical Data sections).
- Compact Size.
- Insulated gate bi-polar transistor (IGBT) technology.

Dimension Diagrams

See Page 12

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter

NEMA 1 - 208/230 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0010B1000	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1 HP	200 to 240 Vac	4.8 A	NEMA 1	11 lb
NXS0015B1005	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1.5 HP	200 to 240 Vac	6.6 A	NEMA 1	11 lb
NXS0020B1008	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	2 HP	200 to 240 Vac	7.8 A	NEMA 1	11 lb
NXS0030B1006	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	3 HP	200 to 240 Vac	11.0 A	NEMA 1	11 lb

Variable Frequency Drives

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0040B1004	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	4 HP	200 to 240 Vac	12.5 A	NEMA 1	17.9 lb
NXS0050B1001	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	5 HP	200 to 240 Vac	17.5 A	NEMA 1	17.9 lb
NXS0075B1002	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	7.5 HP	200 to 240 Vac	25 A	NEMA 1	17.9 lb
NXS0100B1001	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	10 HP	200 to 240 Vac	31.0 A	NEMA 1	40.8 lb
NXS0150B1000	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	15 HP	200 to 240 Vac	48 A	NEMA 1	40.8 lb
NXS0200B1000	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	20 HP	200 to 240 Vac	61.0 A	NEMA 1	77.2 lb
NXS0250B1009	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	25 HP	200 to 240 Vac	75 A	NEMA 1	77.2 lb
NXS0300B1009	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	30 HP	200 to 240 Vac	88 A	NEMA 1	77.2 lb
NXS0400B1008	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR8	—	40 HP	200 to 240 Vac	114 A	NEMA 1	127.9 lb
NXS0500B1007	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	50 HP	200 to 240 Vac	143 A	NEMA 1	127.9 lb
NXS0600B1006	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	60 HP	200 to 240 Vac	169 A	NEMA 1	127.9 lb
NXS0750B1004	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	75 HP	200 to 240 Vac	205 A	NEMA 1	127.9 lb

NEMA 1 - 480 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0015A1007	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1.5 HP	380 to 500 Vac	3.3 A	NEMA 1	11 lb
NXS0020A1000	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	2 HP	380 to 500 Vac	4.3 A	NEMA 1	11 lb
NXS0030A1008	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	3 HP	380 to 500 Vac	5.6 A	NEMA 1	11 lb
NXS0040A1006	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	4 HP	380 to 500 Vac	7.6 A	NEMA 1	11 lb
NXS0050A1003	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	5 HP	380 to 500 Vac	9.0 A	NEMA 1	11 lb
NXS0075A1004	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	7.5 HP	380 to 500 Vac	12.0 A	NEMA 1	11 lb
NXS0100A1003	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	10 HP	380 to 500 Vac	16.0 A	NEMA 1	17.9 lb
NXS0150A1002	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	15 HP	380 to 500 Vac	23.0 A	NEMA 1	17.9 lb
NXS0200A1002	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	20 HP	380 to 500 Vac	31.0 A	NEMA 1	17.9 lb
NXS0250A1001	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	25 HP	380 to 500 Vac	38.0 A	NEMA 1	40.8 lb
NXS0300A1001	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	30 HP	380 to 500 Vac	46.0 A	NEMA 1	40.8 lb

Variable Frequency Drives

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0400A1000	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	40 HP	380 to 500 Vac	61.0 A	NEMA 1	40.8 lb
NXS0500A1009	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	50 HP	380 to 500 Vac	72 A	NEMA 1	77.2 lb
NXS0600A1008	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	60 HP	380 to 500 Vac	87 A	NEMA 1	77.2 lb
NXS0750A1006	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	75 HP	380 to 500 Vac	105 A	NEMA 1	77.2 lb
NXS1000A1002	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	100 HP	380 to 500 Vac	140 A	NEMA 1	127.9 lb
NXS1250A1009	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	125 HP	380 to 500 Vac	170 A	NEMA 1	127.9 lb
NXS1500A1007	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	150 HP	380 to 500 Vac	205 A	NEMA 1	127.9 lb
NXS2000A1000	—	—	FR9	—	200 HP	380 to 500 Vac	261 A	NEMA 1	321.9 lb
NXS2500A1000	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	250 HP	460 Vac	300 A	NEMA 1	321.9 lb
NXS2500A1005	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	250 HP	460 Vac	300 A	NEMA 1	321.9 lb

NEMA 1 - 575 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0030C1004	7.7 x 20.4 x 9.3	195x519x237	FR6	—	3 HP	600 Vac	4.5 A	NEMA 1	40.8 lb
NXS0040C1002	7.7 x 20.4 x 9.3	195x519x237	FR6	—	4 HP	600 Vac	5.5 A	NEMA 1	40.8 lb
NXS0050C1009	7.7 x 20.4 x 9.3	195x519x237	FR6	—	5 HP	600 Vac	7.5 A	NEMA 1	40.8 lb
NXS0075C1000	7.7 x 20.4 x 9.3	195x519x237	FR6	—	7.5 HP	600 Vac	10.0 A	NEMA 1	40.8 lb
NXS0100C1009	7.7 x 20.4 x 9.3	195x519x237	FR6	—	10 HP	600 Vac	13.5 A	NEMA 1	40.8 lb
NXS0150C1008	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	15 HP	600 Vac	18.0 A	NEMA 1	40.8 lb
NXS0200C1008	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	20 HP	600 Vac	22.0 A	NEMA 1	40.8 lb
NXS0250C1007	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	25 HP	600 Vac	27.0 A	NEMA 1	40.8 lb
NXS0300C1007	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	30 HP	600 Vac	34.0 A	NEMA 1	40.8 lb
NXS0400C1006	16 x 62 x 12	406 x 1575 x 330	FR7	—	40 HP	600 Vac	41.0 A	NEMA 1	77.2 lb
NXS0500C1005	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	50 HP	600 Vac	52 A	NEMA 1	77.2 lb
NXS0600C1004	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	60 HP	600 Vac	62 A	NEMA 1	127.9 lb
NXS0750C1002	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	75 HP	600 Vac	80 A	NEMA 1	127.9 lb
NXS1000C1008	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	100 HP	600 Vac	100 A	NEMA 1	127.9 lb
NXS1250C1005	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	125 HP	600 Vac	125 A	NEMA 1	321.9 lb
NXS1500C1003	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	150 HP	600 Vac	144 A	NEMA 1	321.9 lb

Variable Frequency Drives

NEMA 12 - 208/230 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0010B1208	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1 HP	200 to 240 Vac	4.8 A	NEMA 12	11 lb
NXS0015B1203	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1.5 HP	200 to 240 Vac	6.6 A	NEMA 12	11 lb
NXS0020B1206	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	2 HP	200 to 240 Vac	7.8 A	NEMA 12	11 lb
NXS0040B1202	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	4 HP	200 to 240 Vac	12.5 A	NEMA 12	17.9 lb
NXS0050B1209	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	5 HP	200 to 240 Vac	17.5 A	NEMA 12	17.9 lb
NXS0075B1200	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	7.5 HP	200 to 240 Vac	25 A	NEMA 12	17.9 lb
NXS0100B1209	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	10 HP	200 to 240 Vac	31.0 A	NEMA 12	40.8 lb
NXS0150B1208	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	FR6	—	15 HP	200 to 240 Vac	48 A	NEMA 12	40.8 lb
NXS0200B1208	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	FR6	—	20 HP	200 to 240 Vac	61.0 A	NEMA 12	77.2 lb
NXS0250B1207	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	25 HP	200 to 240 Vac	75 A	NEMA 12	77.2 lb
NXS0500B1205	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	50 HP	200 to 240 Vac	143 A	NEMA 12	127.9 lb
NXS0600B1204	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	60 HP	200 to 240 Vac	169 A	NEMA 12	127.9 lb

NEMA 12 - 480 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0015A1205	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	1.5 HP	380 to 500 Vac	3.3 A	NEMA 12	11 lb
NXS0020A1208	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	2 HP	380 to 500 Vac	4.3 A	NEMA 12	11 lb
NXS0030A1206	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	3 HP	380 to 500 Vac	5.6 A	NEMA 12	11 lb
NXS0030B1204	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	3 HP	380 to 500 Vac	11.0 A	NEMA 12	11 lb
NXS0040A1204	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	4 HP	380 to 500 Vac	7.6 A	NEMA 12	11 lb
NXS0050A1201	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	5 HP	380 to 500 Vac	9.0 A	NEMA 12	11 lb
NXS0075A1202	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	FR4	—	7.5 HP	380 to 500 Vac	12.0 A	NEMA 12	11 lb
NXS0100A1200	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	10 HP	380 to 500 Vac	16.0 A	NEMA 12	17.9 lb
NXS0100A1201	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	10 HP	380 to 500 Vac	16.0 A	NEMA 12	17.9 lb
NXS0150A1200	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	15 HP	380 to 500 Vac	23.0 A	NEMA 12	17.9 lb
NXS0200A1200	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	FR5	—	20 HP	380 to 500 Vac	31.0 A	NEMA 12	17.9 lb

Variable Frequency Drives

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0250A1209	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	25 HP	380 to 500 Vac	38.0 A	NEMA 12	40.8 lb
NXS0300A1209	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	30 HP	380 to 500 Vac	46.0 A	NEMA 12	40.8 lb
NXS0400A1208	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	40 HP	380 to 500 Vac	61.0 A	NEMA 12	40.8 lb
NXS0500A1207	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	50 HP	380 to 500 Vac	72 A	NEMA 12	77.2 lb
NXS0600A1206	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	60 HP	380 to 500 Vac	87 A	NEMA 12	77.2 lb
NXS0750A1204	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	FR7	—	75 HP	380 to 500 Vac	105 A	NEMA 12	77.2 lb
NXS1000A1200	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	100 HP	380 to 500 Vac	140 A	NEMA 12	127.9 lb
NXS1250A1207	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	125 HP	380 to 500 Vac	170 A	NEMA 12	127.9 lb
NXS1500A1205	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	150 HP	380 to 500 Vac	205 A	NEMA 12	127.9 lb
NXS2500A1200	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	250 HP	460 Vac	300 A	NEMA 12	321.9 lb

NEMA 12 - 575 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Type of Enclosure	Weight (lb)
	(inch)	(mm)							
NXS0030C1202	7.7 x 20.4 x 9.3	195x519x237	FR6	—	3 HP	600 Vac	4.5 A	NEMA 12	40.8 lb
NXS0040C1200	7.7 x 20.4 x 9.3	195x519x237	FR6	—	4 HP	600 Vac	5.5 A	NEMA 12	40.8 lb
NXS0050C1207	7.7 x 20.4 x 9.3	195x519x237	FR6	—	5 HP	600 Vac	7.5 A	NEMA 12	40.8 lb
NXS0075C1208	7.7 x 20.4 x 9.3	195x519x237	FR6	—	7.5 HP	600 Vac	10.0 A	NEMA 12	40.8 lb
NXS0100C1207	7.7 x 20.4 x 9.3	195x519x237	FR6	—	10 HP	600 Vac	13.5 A	NEMA 12	40.8 lb
NXS0150C1206	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	15 HP	600 Vac	18.0 A	NEMA 12	40.8 lb
NXS0200C1206	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	20 HP	600 Vac	22.0 A	NEMA 12	40.8 lb
NXS0250C1205	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	25 HP	600 Vac	27.0 A	NEMA 12	40.8 lb
NXS0300C1205	7.7 x 20.4 x 9.3	195.6 x 518.2 236.2	FR6	—	30 HP	600 Vac	34.0 A	NEMA 12	40.8 lb
NXS0500C1203	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	50 HP	600 Vac	52 A	NEMA 12	77.2 lb
NXS0600C1202	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	60 HP	600 Vac	62 A	NEMA 12	127.9 lb
NXS0750C1200	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	75 HP	600 Vac	80 A	NEMA 12	127.9 lb
NXS1000C1206	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	FR8	—	100 HP	600 Vac	100 A	NEMA 12	127.9 lb
NXS1250C1203	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	125 HP	600 Vac	125 A	NEMA 12	321.9 lb
NXS1500C1201	18.9 x 45.3 x 14.3	480 x 1150 x 362	FR9	—	150 HP	600 Vac	144 A	NEMA 12	321.9 lb

Drives and Assemblies

Designation Code for NX Series Drives/Bypass Assemblies

NXB	Bypass										Product Range		
	Bypass:										Nominal mains voltage		
	J	480											
	K	208											
	S	230											
	L	600									Nominal Horsepower		
	1000	100 HP etc.											
		C	Cool Blue								Bypass Type		
		S	Slimline										
		D	Disconnect Only										
		L	NXL								Drive Type		
		S	NXS										
		1	NEMA 1								Enclosure class		
		2	NEMA 12										
		3	NEMA 3R										
		X	Special										
		0	No								Auto Bypass		
		1	Yes										
		2	Two Contactor								Bypass Contactor		
		3	Three Contactor										
		0	No Disconnect								Bypass Disconnect Type		
		C	Circuit Breaker Disconnect										
		F	Fused Disconnect										
		N	No protection (Not fused, No Circuit Breaker)										
		0	No								Pilot Lights		
		1	Yes										
		0	No								Control Transformer		
		1	Yes										
		0	No								Drive Input Disconnect		
		1	Yes										
		0	No								Drive Input Fuses		
		1	Yes										
NXB	J	0000	C	L	2	0	3	F	1	1	0	0	Example

Cool Blue Variable Frequency Drive Bypass Assembly

Honeywell Variable Frequency Drives (VFDs) come with essential standard features that competitive brands sell as marked-up add-ons.

No Surprises

The Honeywell VFDs 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 comprehensive 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 electromagnetic 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 ¹	LAYOUT ²	460V	230V	208V	WIDTH ³	HEIGHT ³	DEPTH ³
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			

¹Lb. ²V = vertical; S = side-by-side ³Inches.

NXL Variable Frequency Drives with by-pass, NEMA 1 Enclosure

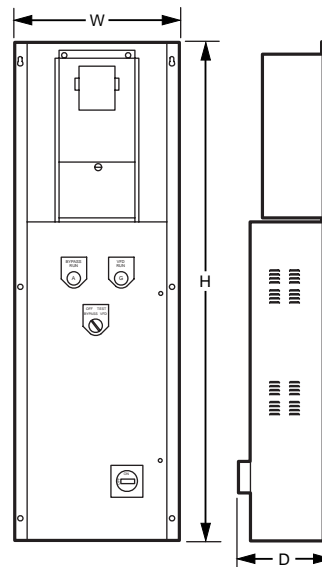


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Multi-Control applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2599, Users Manual, Technical Data sections).
- Open Chassis, NEMA 1 and NEMA 12 enclosures.
- Compact Size.
- Insulated gate bi-polar transistor (IGBT) technology.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continuous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Industrial filter	Type of Enclosure
Type of Enclosure	NEMA 1

Dimension Diagrams



Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	1.5 HP	440 Vac; 500 Vac	3.3 A	43 lb
NXBJ0020CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	2 HP	440 Vac; 500 Vac	4.3 A	43 lb
NXBJ0030CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	3 HP	440 Vac; 500 Vac	5.6 A	43 lb
NXBJ0040CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	4 HP	440 Vac; 500 Vac	7.6 A	43 lb
NXBJ0050CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	5 HP	440 Vac; 500 Vac	9.0 A	43 lb
NXBJ0075CL103F1110	9.5 x 40 x 9.5	—	Size 1	Vertical	7.5 HP	440 Vac; 500 Vac	12.0 A	43 lb
NXBJ0100CL103F1110	11 x 46 x 10.5	—	Size 1	Vertical	10 HP	440 Vac; 500 Vac	16.0 A	62 lb
NXBJ0150CL103F1110	11 x 46 x 10.5	—	Size 1	Vertical	15 HP	440 Vac; 500 Vac	23.0 A	62 lb
NXBJ0200CL103F1110	11 x 46 x 10.5	—	Size 1	Vertical	20 HP	440 Vac; 500 Vac	31.0 A	62 lb
NXBJ0250CL103F1110	14 x 53 x 12	—	Size 2	Vertical	25 HP	440 Vac; 500 Vac	38.0 A	99 lb
NXBJ0300CL103F1110	14 x 53 x 12	—	Size 2	Vertical	30 HP	440 Vac; 500 Vac	46.0 A	99 lb
NXBJ0400CL103F1110	14 x 53 x 12	—	—	Vertical	40 HP	440 Vac; 500 Vac	61.0 A	99 lb
NXBJ0015CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	1.5 HP	460 Vac	6.6 A	43 lb
NXBJ0020CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	2 HP	460 Vac	7.8 A	43 lb
NXBJ0030CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	3 HP	460 Vac	4.5 A	43 lb
NXBL0030CS103F1110	9.5 x 40 x 9.5	—	—	Vertical	3 HP	600 Vac	4.5 A	43 lb
NXBJ0040CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	4 HP	460 Vac	5.5 A	43 lb
NXBL0040CS103F1110	9.5 x 40 x 9.5	—	—	—	4 HP	600 Vac	5.5 A	43 lb
NXBL0050CS103F1110	9.5 x 40 x 9.5	—	—	—	5 HP	600 Vac	7.5 A	43 lb
NXBJ0050CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	5 HP	460 Vac	7.5 A	43 lb
NXBJ0075CL10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 2	Vertical	7.5 HP	460 Vac	10.0 A	43 lb
NXBJ0100CL10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	10 HP	460 Vac	13.5 A	62 lb
NXBJ0150CL10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	15 HP	460 Vac	18.0 A	62 lb
NXBJ0200CL10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	20 HP	460 Vac	22.0 A	62 lb
NXBJ0250CL10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	25 HP	460 Vac	27.0 A	99 lb
NXBJ0300CL10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	30 HP	460 Vac	34.0 A	99 lb
NXBJ0400CL10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	40 HP	460 Vac	41.0 A	99 lb

NXL Variable Frequency Drives with by-pass, NEMA 12 Enclosure

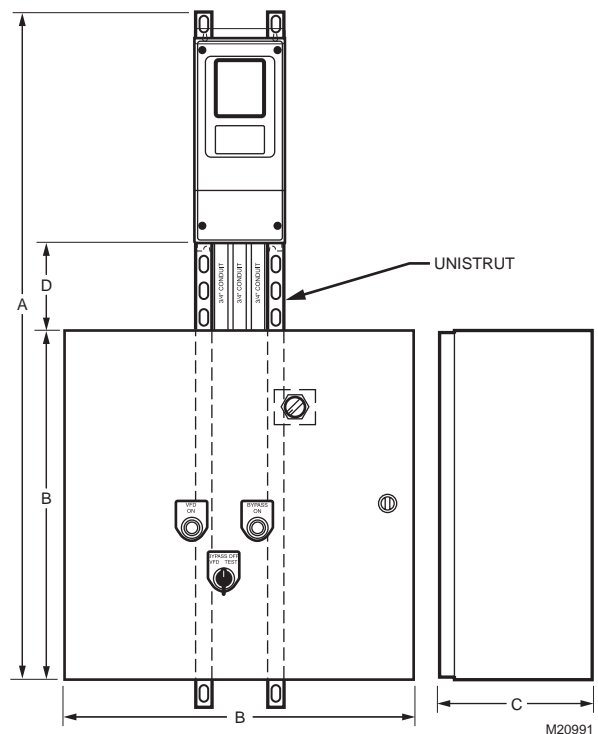


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Multi-Control applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2599, Users Manual, Technical Data sections).
- Open Chassis, NEMA 1 and NEMA 12 enclosures.
- Compact Size.
- Insulated gate bi-polar transistor (IGBT) technology.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 12

Dimension Diagrams



Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	1.5 HP	460 Vac	6.6 A	65 lb
NXBJ0020CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	2 HP	460 Vac	7.8 A	65 lb
NXBJ0030CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	3 HP	460 Vac	4.5 A	65 lb
NXBJ0040CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	4 HP	460 Vac	5.5 A	65 lb
NXBJ0050CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	5 HP	460 Vac	7.5 A	68 lb
NXBJ0075CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	7.5 HP	460 Vac	10.0 A	68 lb
NXBJ0100CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	10 HP	460 Vac	13.5 A	70 lb
NXBJ0150CL20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	15 HP	460 Vac	18.0 A	70 lb
NXBJ0200CL20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	20 HP	460 Vac	22.0 A	98 lb
NXBJ0250CL20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	25 HP	460 Vac	27.0 A	98 lb
NXBJ0300CL20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	30 HP	460 Vac	34.0 A	98 lb
NXBJ0400CL20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 3	Vertical	40 HP	460 Vac	41.0 A	150 lb

NXS Variable Frequency Drives with by-pass, NEMA 12 Enclosure



Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Seven configurable applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2600, Users Manual, Technical Data sections).
- Insulated gate bi-polar transistor (IGBT) technology.

Dimension Diagrams

See Page 23

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 12

Drives and Assemblies

208/230 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBK0007CS203F1110	—	—	—	Vertical	0.75 HP	208 Vav	—	—
NXBK0015CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	1.5 HP	208 Vac	6.6 A	44 lb
NXBK0015CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	1.5 HP	208 Vac	3.3 A	65 lb
NXBK0020CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	2 HP	208 Vac	7.8 A	44 lb
NXBK0020CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	2 HP	208 Vac	4.3 A	65 lb
NXBK0030CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	3 HP	208 Vac	11.0 A	44 lb
NXBK0030CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	3 HP	208 Vac	5.6 A	68 lb
NXBK0040CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	4 HP	208 Vac	12.5 A	44 lb
NXBK0040CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	4 HP	208 Vac	7.6 A	68 lb
NXBK0050CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR5	Vertical	5 HP	208 Vac	17.5 A	60.5 lb
NXBK0050CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	5 HP	208 Vac	9.0 A	70 lb
NXBK0075CS203F1110	20 x 41.5 x 9	508 x 1054 x 229	FR5	Vertical	7.5 HP	208 Vac	25 A	60.5 lb
NXBK0075CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	7.5 HP	208 Vac	12.0 A	70 lb
NXBK0100CS203F1110	20 x 41.5 x 9	508 x 1054 x 229	FR5	Vertical	10 HP	208 Vac	31.0 A	62 lb
NXBK0100CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	10 HP	208 Vac	16.0 A	98 lb
NXBK0150CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	15 HP	208 Vac	23.0 A	98 lb
NXBK0150CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR6	Vertical	15 HP	208 Vac	48 A	99 lb
NXBK0200CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	20 HP	208 Vac	31.0 A	150 lb
NXBK0200CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR6	Vertical	20 HP	208 Vac	61.0 A	99 lb
NXBK0250CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	25 HP	208 Vac	38.0 A	150 lb
NXBK0300CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Side by Side	30 HP	208 Vac	46.0 A	150 lb
NXBK0400CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Side by Side	40 HP	208 Vac	61.0 A	150 lb
NXBK0500CS20200000	Call Factory	Call Factory	Size 4	Side by Side	50 HP	208 Vac	72 A	Call Factory
NXBK0600CS20200000	Call Factory	Call Factory	Size 4	Side by Side	60 HP	208 Vac	87 A	Call Factory
NXBK0750CS20200000	Call Factory	Call Factory	Size 4	Side by Side	75 HP	208 Vac	105 A	Call Factory
NXBK1000CS20200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	208 Vac	140 A	Call Factory
NXBK1250CS20200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	208 Vac	170 A	Call Factory
NXBS0007CS103F1110	—	—	—	Vertical	0.75 HP	230 Vac	—	—
NXBS0007CS203F1110	—	—	—	Vertical	0.75 HP	230 Vac	—	—
NXBS0015CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	1 HP	230 Vac	4.8 A	44 lb
NXBS0015CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	1.5 HP	230 Vac	6.6 A	65 lb
NXBS0020CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	2 HP	230 Vac	7.8 A	44 lb
NXBS0020CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	2 HP	230 Vac	7.8 A	65 lb
NXBS0030CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	3 HP	230 Vac	11.0 A	44 lb
NXBS0030CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	3 HP	230 Vac	4.5 A	68 lb
NXBS0040CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	4 HP	230 Vac	12.5 A	44 lb
NXBS0040CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	4 HP	230 Vac	5.5 A	68 lb
NXBS0050CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR5	Vertical	5 HP	230 Vac	17.5 A	60.5 lb
NXBS0050CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	5 HP	230 Vac	7.5 A	70 lb
NXBS0075CS203F1110	20 x 41.5 x 9	508 x 1054 x 229	FR5	Vertical	7.5 HP	230 Vac	25 A	60.5 lb
NXBS0075CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	7.5 HP	230 Vac	10.0 A	70 lb
NXBS0100CS203F1110	20 x 41.5 x 9	508 x 1054 x 229	FR5	Vertical	10 HP	230 Vac	31.0 A	62 lb

Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBS0100CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	10 HP	230 Vac	13.5 A	98 lb
NXBS0150CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	15 HP	230 Vac	18.0 A	98 lb
NXBS0150CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR6	Vertical	15 HP	230 Vac	48 A	99 lb
NXBS0200CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	20 HP	230 Vac	22.0 A	150 lb
NXBS0200CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR6	Vertical	20 HP	230 Vac	61.0 A	99 lb
NXBS0250CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	25 HP	230 Vac	27.0 A	150 lb
NXBS0300CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	30 HP	230 Vac	34.0 A	150 lb
NXBS0400CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Side by Side	40 HP	230 Vac	41.0 A	150 lb
NXBS0500CS20200000	Call Factory	Call Factory	Size 4	Side by Side	50 HP	230 Vac	52 A	Call Factory
NXBS0600CS20200000	Call Factory	Call Factory	Size 4	Side by Side	60 HP	230 Vac	62 A	Call Factory
NXBS0750CS20200000	Call Factory	Call Factory	Size 4	Side by Side	75 HP	230 Vac	80 A	Call Factory
NXBS1000CS20200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	230 Vac	100 A	Call Factory
NXBS1250CS20200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	230 Vac	125 A	Call Factory

460 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	1.5 HP	460 Vac	3.3 A	43 lb
NXBJ0015CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	1.5 HP	460 Vac	6.6 A	65 lb
NXBJ0020CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	2 HP	460 Vac	4.3 A	43 lb
NXBJ0020CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	2 HP	460 Vac	7.8 A	65 lb
NXBJ0030CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	3 HP	460 Vac	5.6 A	43 lb
NXBJ0030CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	3 HP	460 Vac	4.5 A	65 lb
NXBJ0040CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	4 HP	460 Vac	7.6 A	43 lb
NXBJ0040CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	4 HP	460 Vac	5.5 A	65 lb
NXBJ0050CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	5 HP	460 Vac	9.0 A	43 lb
NXBJ0050CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	5 HP	460 Vac	7.5 A	68 lb
NXBJ0075CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR4	Vertical	7.5 HP	460 Vac	12.0 A	43 lb
NXBJ0075CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	7.5 HP	460 Vac	10.0 A	68 lb
NXBJ0100CS203F1110	16 x 33.5 x 7	406 x 850 x 178	FR5	Vertical	10 HP	460 Vac	16.0 A	58.5 lb
NXBJ0100CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	10 HP	460 Vac	13.5 A	70 lb
NXBJ0150CS203F1110	16 x 37.5 x 7	406 x 953 x 178	FR5	Vertical	15 HP	460 Vac	23.0 A	59.5 lb
NXBJ0150CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	15 HP	460 Vac	18.0 A	70 lb
NXBJ0200CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR5	Vertical	20 HP	460 Vac	31.0 A	61 lb
NXBJ0200CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	20 HP	460 Vac	22.0 A	98 lb
NXBJ0250CS203F1110	24 x 46.5 x 9	610 x 1181 x 229	FR6	Vertical	25 HP	460 Vac	38.0 A	93.5 lb
NXBJ0250CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	25 HP	460 Vac	27.0 A	98 lb
NXBJ0300CS203F1110	20 x 46.5 x 9	508 x 1181 x 229	FR6	Vertical	30 HP	460 Vac	46.0 A	94 lb
NXBJ0300CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	30 HP	460 Vac	34.0 A	98 lb
NXBJ0400CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 3	Vertical	40 HP	460 Vac	41.0 A	150 lb
NXBJ0400CS203F1110	24 x 49.5 x 9	610 x 1257 x 229	FR6	Vertical	40 HP	460 Vac	61.0 A	98 lb
NXBJ0500CS203F1110	24 x 49.5 x 9	610 x 1257 x 229	FR7	Vertical	50 HP	460 Vac	72 A	145 lb
NXBJ0500CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 4	Vertical	50 HP	460 Vac	52 A	150 lb

Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0600CS203F1110	24 x 49.5 x 9	610 x 1257 x 229	FR7	Vertical	60 HP	460 Vac	87 A	147 lb
NXBJ0600CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 4	Vertical	60 HP	460 Vac	62 A	150 lb
NXBJ0750CS203F1110	Not Available	Not Available	FR7	Vertical	75 HP	460 Vac	105 A	154 lb
NXBJ0750CS20200000	Call Factory	Call Factory	Size 4	Vertical	75 HP	460 Vac	80 A	Call Factory
NXBJ1000CS203F1110	Not Available	Not Available	FR8	Side by Side	100 HP	460 Vac	140 A	360 lb
NXBJ1000CS20200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	460 Vac	100 A	Call Factory
NXBJ1250CS203F1110	Not Available	Not Available	FR8	Side by Side	125 HP	460 Vac	170 A	360 lb
NXBJ1250CS20200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	460 Vac	125 A	Call Factory
NXBJ1500CS203F1110	Not Available	Not Available	FR8	Side by Side	150 HP	460 Vac	205 A	360 lb
NXBJ1500CS20200000	Call Factory	Call Factory	Size 5	Side by Side	150 HP	460 Vac	144 A	Call Factory
NXBJ2000CS20200000	Call Factory	Call Factory	Size 6	Side by Side	200 HP	460 Vac	261 A	Call Factory
NXBJ2500CS20200000	Call Factory	Call Factory	Size 6	Side by Side	250 HP	460 Vac	300 A	Call Factory

575 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBL0030CS203F1110	20 x 41.5 x 9	—	—	Vertical	3 HP	600 Vac	4.5 A	98 lb
NXBL0040CS203F1110	20 x 41.5 x 9	—	—	—	4 HP	600 Vac	5.5 A	98 lb
NXBL0050CS203F1110	16 x 33.5 x 7	—	—	—	5 HP	600 Vac	7.5 A	68 lb
NXBL0030CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 1	Vertical	3 HP	600 Vac	11.0 A	98 lb
NXBL0040CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 1	Vertical	4 HP	600 Vac	12.5 A	98 lb
NXBL0050CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 1	Vertical	5 HP	600 Vac	17.5 A	68 lb
NXBL0075CS203F1110	16 x 33.5 x 7	—	—	—	7.5 HP	600 Vac	10.0 A	68 lb
NXBL0075CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	7.5 HP	600 Vac	25 A	68 lb
NXBL0100CS203F1110	16 x 33.5 x 7	—	—	—	10 HP	600 Vac	13.5 A	70 lb
NXBL0100CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	10 HP	600 Vac	31.0 A	70 lb
NXBL0150CS203F1110	16 x 33.5 x 7	—	—	—	15 HP	600 Vac	18.0 A	70 lb
NXBL0150CS20200000	16 x 33.5 x 7	406.4 x 850.9 x 177.8	Size 2	Vertical	15 HP	600 Vac	48 A	70 lb
NXBL0200CS203F1110	20 x 41.5 x 9	—	—	—	20 HP	600 Vac	22.0 A	98 lb
NXBL0200CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 2	Vertical	20 HP	600 Vac	61.0 A	98 lb
NXBL0250CS203F1110	20 x 41.5 x 9	—	—	—	25 HP	600 Vac	27.0 A	98 lb
NXBL0250CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	25 HP	600 Vac	75 A	98 lb
NXBL0300CS203F1110	20 x 41.5 x 9	—	—	—	30 HP	600 Vac	34.0 A	98 lb
NXBL0300CS20200000	20 x 41.5 x 9	508 x 1054.1 x 228.6	Size 3	Vertical	30 HP	600 Vac	88 A	98 lb
NXBL0400CS203F1110	24 x 49.5 x 9	—	—	—	40 HP	600 Vac	41.0 A	150 lb
NXBL0400CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 3	Vertical	40 HP	600 Vac	114 A	150 lb
NXBL0500CS203F1110	24 x 49.5 x 9	—	—	—	50 HP	600 Vac	52 A	150 lb
NXBL0500CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 4	Vertical	50 HP	600 Vac	72 A	150 lb
NXBL0600CS203F1110	24 x 49.5 x 9	—	—	—	60 HP	600 Vac	62 A	150 lb
NXBL0600CS20200000	24 x 49.5 x 9	609.6 x 1257.3 x 228.6	Size 4	Vertical	60 HP	600 Vac	87 A	150 lb
NXBL0750CS203F1110	Call Factory	—	—	—	75 HP	600 Vac	80 A	150 lb
NXBL0750CS20200000	Call Factory	Call Factory	Size 4	Vertical	75 HP	600 Vac	105 A	Call Factory
NXBL1000CS203F1110	Call Factory	—	—	—	100 HP	600 Vac	100 A	Call Factory

Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBL1000CS20200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	600 Vac	140 A	Call Factory
NXBL1250CS203F1110	Call Factory	—	—	—	125 HP	600 Vac	125 A	Call Factory
NXBL1250CS20200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	600 Vac	170 A	Call Factory
NXBL1500CS203F1110	Call Factory	—	—	—	150 HP	600 Vac	144 A	Call Factory
NXBL1500CS20200000	Call Factory	Call Factory	Size 5	Side by Side	150 HP	600 Vac	205 A	Call Factory
NXBL2000CS203F1110	Call Factory	—	—	—	200 HP	600 Vac	208 A	Call Factory
NXBL2000CS20200000	Call Factory	Call Factory	Size 6	Side by Side	200 HP	600 Vac	261 A	Call Factory

Drives and Assemblies

NXS Variable Frequency Drives with Cool Blue by-pass, NEMA 1 Enclosure

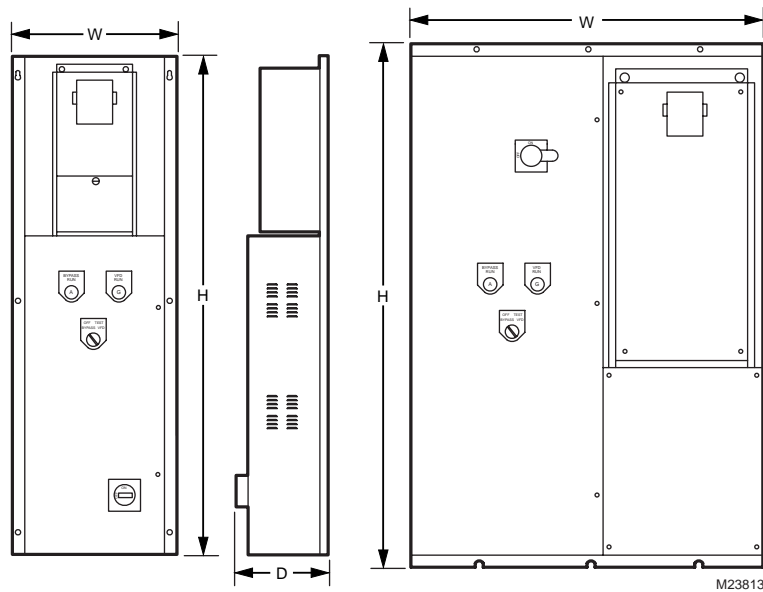


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Seven configurable applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2600, Users Manual, Technical Data sections).
- Insulated gate bi-polar transistor (IGBT) technology.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 1

Dimension Diagrams



208/230 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBK0015CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	1.5 HP	208 Vac	3.3 A	43 lb
NXBK0015CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	1.5 HP	208 Vac	6.6 A	44 lb
NXBK0020CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	2 HP	208 Vac	4.3 A	43 lb
NXBK0020CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	2 HP	208 Vac	7.8 A	44 lb
NXBK0030CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	3 HP	208 Vac	5.6 A	43 lb
NXBK0030CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	3 HP	208 Vac	11.0 A	44 lb
NXBK0040CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	4 HP	208 Vac	12.5 A	44 lb
NXBK0040CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 1	Vertical	4 HP	208 Vac	7.6 A	62 lb
NXBK0050CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	5 HP	208 Vac	17.5 A	60.5 lb
NXBK0050CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 1	Vertical	5 HP	208 Vac	9.0 A	62 lb
NXBK0075CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	7.5 HP	208 Vac	25 A	60.5 lb
NXBK0075CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	7.5 HP	208 Vac	12.0 A	62 lb
NXBK0100CS103F1110	11 x 46 x 11	279 x 1168 x 279	FR5	Vertical	10 HP	208 Vac	31.0 A	62 lb
NXBK0100CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	10 HP	208 Vac	16.0 A	62 lb
NXBK0150CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	15 HP	208 Vac	48 A	99 lb
NXBK0150CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 2	Vertical	15 HP	208 Vac	23.0 A	99 lb
NXBK0200CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	20 HP	208 Vac	61.0 A	99 lb
NXBK0200CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 2	Vertical	20 HP	208 Vac	31.0 A	99 lb
NXBK0250CS103F1110	16 x 62 x 13	406 x 1575 x 330	FR7	Vertical	25 HP	208 Vac	75 A	146 lb
NXBK0250CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 3	Vertical	25 HP	208 Vac	38.0 A	154 lb
NXBK0300CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	30 HP	208 Vac	88 A	146 lb
NXBK0300CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 3	Side by Side	30 HP	208 Vac	46.0 A	360 lb
NXBK0400CS103F1110	Not Available	Not Available	FR8	Side by Side	40 HP	208 Vac	114 A	360 lb

Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBK0400CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 3	Side by Side	40 HP	208 Vac	61.0 A	360 lb
NXBK0500CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	50 HP	208 Vac	72 A	360 lb
NXBK0600CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	60 HP	208 Vac	87 A	360 lb
NXBK0750CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	75 HP	208 Vac	105 A	360 lb
NXBK1000CS10200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	208 Vac	140 A	Call Factory
NXBK1250CS10200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	208 Vac	170 A	Call Factory
NXBS0015CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	1.5 HP	230 Vac	6.6 A	43 lb
NXBS0015CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	1.5 HP	230 Vac	6.6 A	44 lb
NXBS0020CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	2 HP	230 Vac	7.8 A	43 lb
NXBS0020CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	2 HP	230 Vac	7.8 A	44 lb
NXBS0030CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	3 HP	230 Vac	4.5 A	43 lb
NXBS0030CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	3 HP	230 Vac	11.0 A	44 lb
NXBS0040CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	4 HP	230 Vac	12.5 A	44 lb
NXBS0040CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 1	Vertical	4 HP	230 Vac	5.5 A	62 lb
NXBS0050CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	5 HP	230 Vac	17.5 A	60.5 lb
NXBS0050CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 1	Vertical	5 HP	230 Vac	7.5 A	62 lb
NXBS0075CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	7.5 HP	230 Vac	25 A	60.5 lb
NXBS0075CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	7.5 HP	230 Vac	10.0 A	62 lb
NXBS0100CS103F1110	11 x 46 x 11	279 x 1168 x 279	FR5	Vertical	10 HP	230 Vac	31.0 A	62 lb
NXBS0100CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	10 HP	230 Vac	13.5 A	62 lb
NXBS0150CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	15 HP	230 Vac	48 A	99 lb
NXBS0150CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 2	Vertical	15 HP	230 Vac	18.0 A	99 lb
NXBS0200CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	20 HP	230 Vac	61.0 A	99 lb
NXBS0200CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 2	Vertical	20 HP	230 Vac	22.0 A	99 lb
NXBS0250CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	25 HP	230 Vac	75 A	—
NXBS0250CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 3	Vertical	25 HP	230 Vac	27.0 A	154 lb
NXBS0300CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	30 HP	230 Vac	88 A	146 lb
NXBS0300CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 3	Vertical	30 HP	230 Vac	34.0 A	360 lb
NXBS0400CS103F1110	Not Available	Not Available	FR8	Side by Side	40 HP	230 Vac	114 A	—
NXBS0400CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 3	Side by Side	40 HP	230 Vac	41.0 A	360 lb
NXBS0500CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	50 HP	230 Vac	52 A	360 lb
NXBS0600CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	60 HP	230 Vac	62 A	360 lb
NXBS0750CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 4	Side by Side	75 HP	230 Vac	80 A	360 lb
NXBS1000CS10200000	Call Factory	Call Factory	Size 5	Side by Side	100 HP	230 Vac	100 A	Call Factory
NXBS1250CS10200000	Call Factory	Call Factory	Size 5	Side by Side	125 HP	230 Vac	125 A	Call Factory

Drives and Assemblies

460 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	1.5 HP	460 Vac	3.3 A	43 lb
NXBJ0015CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	1.5 HP	460 Vac	6.6 A	43 lb
NXBJ0020CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	2 HP	460 Vac	4.3 A	43 lb
NXBJ0020CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	2 HP	460 Vac	7.8 A	43 lb
NXBJ0030CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	3 HP	460 Vac	5.6 A	43 lb
NXBJ0030CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	3 HP	460 Vac	4.5 A	43 lb
NXBJ0040CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	4 HP	460 Vac	7.6 A	43 lb
NXBJ0040CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	4 HP	460 Vac	5.5 A	43 lb
NXBJ0050CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	5 HP	460 Vac	9.0 A	43 lb
NXBJ0050CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	5 HP	460 Vac	7.5 A	43 lb
NXBJ0075CS103F1110	9.5 x 40 x 9.5	241 x 1016 x 241	FR4	Vertical	7.5 HP	460 Vac	12.0 A	43 lb
NXBJ0075CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 2	Vertical	7.5 HP	460 Vac	10.0 A	43 lb
NXBJ0100CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	10 HP	460 Vac	16.0 A	58.5 lb
NXBJ0100CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	10 HP	460 Vac	13.5 A	62 lb
NXBJ0150CS103F1110	11 x 46 x 10.5	279 x 1168 x 267	FR5	Vertical	15 HP	460 Vac	23.0 A	59.5 lb
NXBJ0150CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	15 HP	460 Vac	18.0 A	62 lb
NXBJ0200CS103F1110	11 x 46 x 11	279 x 1168 x 279	FR5	Vertical	20 HP	460 Vac	31.0 A	61 lb
NXBJ0200CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	20 HP	460 Vac	22.0 A	62 lb
NXBJ0250CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	25 HP	460 Vac	38.0 A	93.5 lb
NXBJ0250CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	25 HP	460 Vac	27.0 A	99 lb
NXBJ0300CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	30 HP	460 Vac	46.0 A	94 lb
NXBJ0300CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	30 HP	460 Vac	34.0 A	99 lb
NXBJ0400CS103F1110	14 x 53 x 12	356 x 1346 x 305	FR6	Vertical	40 HP	460 Vac	61.0 A	98 lb
NXBJ0400CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	40 HP	460 Vac	41.0 A	99 lb
NXBJ0500CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	50 HP	460 Vac	72 A	145 lb
NXBJ0500CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	50 HP	460 Vac	52 A	154 lb
NXBJ0600CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	60 HP	460 Vac	87 A	147 lb
NXBJ0600CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	60 HP	460 Vac	62 A	154 lb
NXBJ0750CS103F1110	16 x 62 x 12	406 x 1575 x 330	FR7	Vertical	75 HP	460 Vac	105 A	154 lb
NXBJ0750CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	75 HP	460 Vac	80 A	154 lb
NXBJ1000CS103F1110	Not Available	Not Available	FR8	Side by Side	100 HP	460 Vac	140 A	360 lb
NXBJ1000CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	100 HP	460 Vac	100 A	360 lb
NXBJ1250CS103F1110	Not Available	Not Available	FR8	Side by Side	125 HP	460 Vac	170 A	360 lb
NXBJ1250CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	125 HP	460 Vac	125 A	360 lb
NXBJ1500CS103F1110	Not Available	Not Available	FR8	Side by Side	150 HP	460 Vac	205 A	360 lb
NXBJ1500CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	150 HP	460 Vac	144 A	360 lb
NXBJ2000CS10200000	Call Factory	Call Factory	Size 6	Side by Side	200 HP	460 Vac	261 A	Call Factory
NXBJ2000CS103F1110	—	—	FR9	—	200 HP	460 Vac	261 A	tbd
NXBJ2500CS103F1110	Call Factory	—	—	—	250 HP	460 Vac	300 A	Call Factory
NXBJ2500CS10200000	Call Factory	Call Factory	Size 6	Side by Side	250 HP	460 Vac	300 A	Call Factory

Drives and Assemblies

575 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBL0030CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	3 HP	600 Vac	11.0 A	43 lb
NXBL0040CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	4 HP	600 Vac	12.5 A	43 lb
NXBL0050CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 1	Vertical	5 HP	600 Vac	17.5 A	43 lb
NXBL0075CS103F1110	9.5 x 40 x 9.5	—	—	—	7.5 HP	600 Vac	10.0 A	43 lb
NXBL0075CS10200000	9.5 x 40 x 9.5	480 x 1150 x 362	Size 2	Vertical	7.5 HP	600 Vac	25 A	43 lb
NXBL0100CS103F1110	11 x 46 x 10.5	—	—	—	10 HP	600 Vac	13.5 A	62 lb
NXBL0100CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	10 HP	600 Vac	31.0 A	62 lb
NXBL0150CS103F1110	11 x 46 x 10.5	—	—	—	15 HP	600 Vac	18.0 A	62 lb
NXBL0150CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	15 HP	600 Vac	48 A	62 lb
NXBL0200CS103F1110	11 x 46 x 10.5	—	—	—	20 HP	600 Vac	22.0 A	62 lb
NXBL0200CS10200000	11 x 46 x 10.5	279.4 x 1168.4 x 266.7	Size 2	Vertical	20 HP	600 Vac	61.0 A	62 lb
NXBL0250CS103F1110	14 x 53 x 12	—	—	—	25 HP	600 Vac	27.0 A	99 lb
NXBL0250CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	25 HP	600 Vac	75 A	99 lb
NXBL0300CS103F1110	14 x 53 x 12	—	—	—	30 HP	600 Vac	34.0 A	99 lb
NXBL0300CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	30 HP	600 Vac	88 A	99 lb
NXBL0400CS103F1110	14 x 53 x 12	—	—	—	40 HP	600 Vac	41.0 A	99 lb
NXBL0400CS10200000	14 x 53 x 12	355.6 x 1346.2 x 304.8	Size 3	Vertical	40 HP	600 Vac	114 A	99 lb
NXBL0500CS103F1110	16 x 62 x 13	—	—	—	50 HP	600 Vac	52 A	154 lb
NXBL0500CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	50 HP	600 Vac	72 A	154 lb
NXBL0600CS103F1110	16 x 62 x 13	—	—	—	60 HP	600 Vac	62 A	154 lb
NXBL0600CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	60 HP	600 Vac	87 A	154 lb
NXBL0750CS103F1110	16 x 62 x 13	—	—	—	75 HP	600 Vac	80 A	154 lb
NXBL0750CS10200000	16 x 62 x 13	406.4 x 1574.8 x 330.2	Size 4	Vertical	75 HP	600 Vac	105 A	154 lb
NXBL1000CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	100 HP	600 Vac	140 A	360 lb
NXBL1000CS103F1110	36 x 54 x 16	—	—	—	100 HP	600 Vac	100 A	Call Factory
NXBL1250CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	125 HP	600 Vac	170 A	360 lb
NXBL1250CS103F1110	36 x 54 x 16	—	—	—	125 HP	600 Vac	125 A	Call Factory
NXBL1500CS10200000	36 x 54 x 16	914.4 x 1371.6 x 406.4	Size 5	Side by Side	150 HP	600 Vac	205 A	360 lb
NXBL1500CS103F1110	36 x 54 x 16	—	—	—	150 HP	600 Vac	144 A	Call Factory
NXBL2000CS10200000	Call Factory	Call Factory	Size 6	Side by Side	200 HP	600 Vac	261 A	Call Factory

Why Do You Need A Bypass?



You have a bypass for one reason — to keep your pumps or air handlers running if the drive fails. For it to be worth the money, the bypass needs to:

- Keep the motor running even if the drive is removed
- Be enabled if *any* part of the drive fails, not just the power section

If your bypass doesn't do these two things, and some electronic bypasses don't, then you're wasting money even though it might meet the spec. Your alternative is to shut down the entire operation (never a good option) or install a replacement while yours is being

serviced. Either option results in downtime, which would have only been prevented with a true electrical bypass.

A TRUE ELECTRICAL BYPASS

With the Slimline™, Honeywell has designed a revolutionary, true electrical bypass that maintains the small form factor you want, and gives you the flexibility and fault tolerance you need.

- Allows full-speed motor operation with the VFD completely removed
- The 2- and 3-contactor designs allow you to switch to bypass regardless of the VFD's condition
- Its compact design saves valuable wall space
- Installation takes fewer workers and less time, lowering total project cost

COMPACT DESIGN

20 HP, 480V Bypass, Type 1 Enclosure

Drive	Width in.	Height in.	Depth in.	Weight lbs.
Honeywell Slimline	7.4	24.4	13.8	35.7
ABB	8.7	53.6	10.6	51
Danfoss	9.5	54.6	10.7	89
Siemens	12.0	49.0	9.7	100

The Slimline is the smallest true electrical bypass in the industry.

READY TO WORK

The Slimline is ready for action. You can order the Slimline preassembled in frames 4, 5, 6 and 7. Available in kit form, an industry first for integrated bypasses, the Slimline enables easy retrofit in the field and improved serviceability. Because of its market-sensitive design, you only pay for the features you need.

- Mounting kits and compact size make the installation easy
- Easy installation means less time on the job and improved project cash flow

PART OF THE HONEYWELL SUITE OF VFDS

The Slimline is part of a complete Honeywell family of variable frequency drives that let you meet all of your VFD needs with 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 protects the VFD and downstream components from voltage spikes and sags
- Built-in filters prevent harmonic interference on the electrical grid
- Broad communication capabilities (BACnet®, LonWorks®, 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

Drives and Assemblies

NXL Variable Frequency Drives with Slimline by-pass, NEMA 1 Enclosure

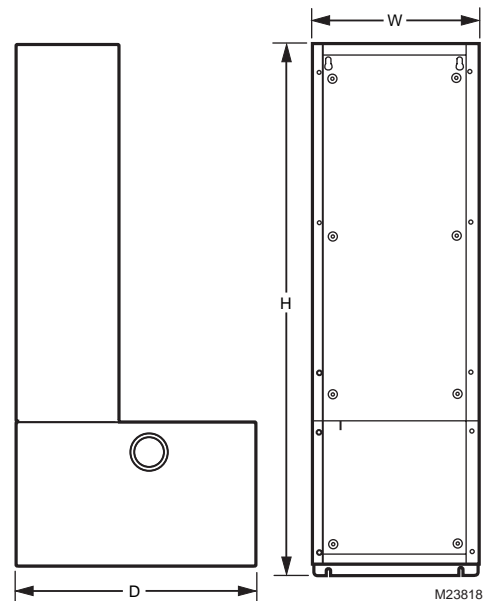


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Multi-Control applications built in.
- Easy commissioning through software or control panel.
- Devices can be wall-mounted or panel-mounted.
- Eleven protective functions (see Form 63-2599, Users Manual, Technical Data sections).
- Open Chassis, NEMA 1 and NEMA 12 enclosures.
- Compact Size.
- Insulated gate bi-polar transistor (IGBT) technology.
- Industries smallest true-electrical bypass.
- Bypass can also be purchased separately and field-installed. Another industry first.
- Circuit breaker protection is standard.

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continuous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 1

Dimension Diagrams



Drives and Assemblies

460 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	460 Vac	6.6 A	44 lb
NXBJ0015SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	460 Vac	6.6 A	44 lb
NXBJ0020SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	460 Vac	7.8 A	44 lb
NXBJ0020SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	460 Vac	7.8 A	44 lb
NXBJ0030SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	460 Vac	4.5 A	44 lb
NXBJ0030SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	460 Vac	4.5 A	44 lb
NXBJ0040SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	460 Vac	5.5 A	44 lb
NXBJ0040SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	460 Vac	5.5 A	44 lb
NXBJ0050SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	460 Vac	7.5 A	44 lb
NXBJ0050SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	460 Vac	7.5 A	44 lb
NXBJ0075SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	460 Vac	10.0 A	44 lb
NXBJ0075SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	460 Vac	10.0 A	44 lb
NXBJ0100SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	460 Vac	13.5 A	50.82 lb
NXBJ0100SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	460 Vac	13.5 A	50.82 lb
NXBJ0150SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	460 Vac	18.0 A	51.82 lb
NXBJ0150SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	460 Vac	18.0 A	51.82 lb
NXBJ0200SL102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	460 Vac	22.0 A	51.82 lb
NXBJ0200SL103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	460 Vac	22.0 A	51.82 lb
NXBJ0250SL102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	460 Vac	27.0 A	106.5 lb
NXBJ0250SL103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	460 Vac	27.0 A	106.5 lb
NXBJ0300SL102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	460 Vac	34.0 A	106.5 lb
NXBJ0300SL103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	460 Vac	34.0 A	106.5 lb
NXBJ0400SL102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	460 Vac	41.0 A	106.5 lb
NXBJ0400SL103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	460 Vac	41.0 A	106.5 lb

Drives and Assemblies

NXS Variable Frequency Drives with Slimline by-pass, NEMA 1 Enclosure



Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- Industries smallest true-electrical bypass.
- Bypass can also be purchased separately and field-installed. Another industry first.
- Circuit breaker protection is standard.

Dimension Diagrams

See Page 37

Acceleration time	0 - 3000 sec
Deceleration time	0 - 3000 sec
Analog Current Input	0 (4) - 20 mA, 250 ohm differential
Analog Voltage Input	0 - 10 Vdc , 200K ohm
Analog Current Output	0 (4) - 20 mA, max 500 ohm
Digital Output	50 mA/48v open collector
Continous Output Current	overload 1.5 x High overload current (1min/10min) overload 1.1 x Low overload current (1min/10min)
Relay Output	24 Vdc/8A; 125 Vdc/0.4A; 250 Vac/8A
Reference Output Voltage	+10V, +3%, max 10mA
Auxiliary Voltage	24V, +/- 15%, max 250 mA
Starting Current	2 x high overload current, 2secs every 2.0 secs
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature F (C)	High Overload 14 to 122 (High Overload -10 to 50) Low Overload 14 to 104 (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Type of Enclosure	NEMA 1

Drives and Assemblies

208/230 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBK0015SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	208 Vac	3.3 A	45 lb
NXBK0015SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	208 Vac	3.3 A	45 lb
NXBK0020SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	208 Vac	4.3 A	45 lb
NXBK0020SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	208 Vac	4.3 A	45 lb
NXBK0030SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	208 Vac	5.6 A	45 lb
NXBK0030SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	208 Vac	5.6 A	45 lb
NXBK0040SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	208 Vac	7.6 A	51.9 lb
NXBK0040SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	208 Vac	7.6 A	51.9 lb
NXBK0050SS102C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	5 HP	208 Vac	9.0 A	60.72 lb
NXBK0050SS103C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	5 HP	208 Vac	9.0 A	60.72 lb
NXBK0075SS102C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	7.5 HP	208 Vac	12.0 A	60.72 lb
NXBK0075SS103C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	7.5 HP	208 Vac	12.0 A	60.72 lb
NXBK0100SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	10 HP	208 Vac	16.0 A	83.62 lb
NXBK0100SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	10 HP	208 Vac	16.0 A	83.62 lb
NXBK0150SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	15 HP	208 Vac	23.0 A	106.5 lb
NXBK0150SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	15 HP	208 Vac	23.0 A	106.5 lb
NXBK0200SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	20 HP	208 Vac	31.0 A	106.5 lb
NXBK0200SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	20 HP	208 Vac	31.0 A	106.5 lb
NXBK0250SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	25 HP	208 Vac	38.0 A	182.2 lb
NXBK0250SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	25 HP	208 Vac	38.0 A	182.2 lb
NXBK0300SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	30 HP	208 Vac	46.0 A	182.2 lb
NXBK0300SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	30 HP	208 Vac	46.0 A	182.2 lb
NXBK0400SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	40 HP	208 Vac	61.0 A	184.2 lb
NXBK0400SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	40 HP	208 Vac	61.0 A	184.2 lb
NXBS0015SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	230 Vac	6.6 A	45 lb
NXBS0015SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	230 Vac	6.6 A	45 lb
NXBS0020SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	230 Vac	7.8 A	45 lb
NXBS0020SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	230 Vac	7.8 A	45 lb
NXBS0030SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	230 Vac	4.5 A	45 lb
NXBS0030SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	230 Vac	4.5 A	45 lb
NXBS0040SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	230 Vac	5.5 A	45 lb
NXBS0040SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	230 Vac	5.5 A	45 lb
NXBS0050SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	230 Vac	7.5 A	58.72 lb
NXBS0050SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	230 Vac	7.5 A	58.72 lb
NXBS0075SS102C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	7.5 HP	230 Vac	10.0 A	60.72 lb
NXBS0075SS103C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	7.5 HP	230 Vac	10.0 A	60.72 lb
NXBS0100SS102C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	10 HP	230 Vac	13.5 A	60.72 lb
NXBS0100SS103C0000	15.8 x 41.2 x 19.6	401.32 x 1046.48 x 497.84	Frame 4/5	Vertical	10 HP	230 Vac	13.5 A	60.72 lb
NXBS0150SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	15 HP	230 Vac	18.0 A	106.5 lb
NXBS0150SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	15 HP	230 Vac	18.0 A	106.5 lb
NXBS0200SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	20 HP	230 Vac	22.0 A	106.5 lb
NXBS0200SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	20 HP	230 Vac	22.0 A	106.5 lb

Drives and Assemblies

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBS0250SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	25 HP	230 Vac	27.0 A	182.2 lb
NXBS0250SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	25 HP	230 Vac	27.0 A	182.2 lb
NXBS0300SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	30 HP	230 Vac	34.0 A	182.2 lb
NXBS0300SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	30 HP	230 Vac	34.0 A	182.2 lb
NXBS0400SS102C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	40 HP	230 Vac	41.0 A	184.2 lb
NXBS0400SS103C0000	20.6 x 60.3 x 27.8	523.24 x 1531.62 x 706.12	Frame 6/7	Vertical	40 HP	230 Vac	41.0 A	184.2 lb

460 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horse-power	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBJ0015SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	460 Vac	6.6 A	44 lb
NXBJ0015SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	1.5 HP	460 Vac	6.6 A	44 lb
NXBJ0020SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	460 Vac	7.8 A	44 lb
NXBJ0020SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	2 HP	460 Vac	7.8 A	44 lb
NXBJ0030SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	460 Vac	4.5 A	44 lb
NXBJ0030SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	460 Vac	4.5 A	44 lb
NXBJ0040SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	460 Vac	5.5 A	44 lb
NXBJ0040SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	460 Vac	5.5 A	44 lb
NXBJ0050SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	460 Vac	7.5 A	44 lb
NXBJ0050SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	460 Vac	7.5 A	44 lb
NXBJ0075SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	460 Vac	10.0 A	44 lb
NXBJ0075SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	460 Vac	10.0 A	44 lb
NXBJ0100SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	460 Vac	13.5 A	50.82 lb
NXBJ0100SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	460 Vac	13.5 A	50.82 lb
NXBJ0150SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	460 Vac	18.0 A	51.82 lb
NXBJ0150SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	460 Vac	18.0 A	51.82 lb
NXBJ0200SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	460 Vac	22.0 A	51.82 lb
NXBJ0200SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	460 Vac	22.0 A	51.82 lb
NXBJ0250SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	460 Vac	27.0 A	106.5 lb
NXBJ0250SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	460 Vac	27.0 A	106.5 lb
NXBJ0300SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	460 Vac	34.0 A	106.5 lb
NXBJ0300SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	460 Vac	34.0 A	106.5 lb
NXBJ0400SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	460 Vac	41.0 A	106.5 lb
NXBJ0400SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	460 Vac	41.0 A	106.5 lb
NXBJ0500SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	50 HP	460 Vac	52 A	142.8 lb
NXBJ0500SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	50 HP	460 Vac	52 A	142.8 lb
NXBJ0600SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	60 HP	460 Vac	62 A	145.8 lb
NXBJ0600SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	60 HP	460 Vac	62 A	145.8 lb
NXBJ0750SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	75 HP	460 Vac	80 A	145.8 lb
NXBJ0750SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	75 HP	460 Vac	80 A	145.8 lb

Drives and Assemblies

575 Volt

Product Number	Dimensions W x H x D		Frame Type	Layout	Horsepower	Voltage	Amp Rating, lvt (A)	Weight (lb)
	(inch)	(mm)						
NXBL0030SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	600 Vac	11.0 A	73.7 lb
NXBL0030SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	3 HP	600 Vac	11.0 A	73.7 lb
NXBL0040SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	600 Vac	12.5 A	73.7 lb
NXBL0040SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	4 HP	600 Vac	12.5 A	73.7 lb
NXBL0050SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	600 Vac	17.5 A	73.7 lb
NXBL0050SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	5 HP	600 Vac	17.5 A	73.7 lb
NXBL0075SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	600 Vac	25 A	73.7 lb
NXBL0075SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	7.5 HP	600 Vac	25 A	73.7 lb
NXBL0100SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	600 Vac	31.0 A	73.7 lb
NXBL0100SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	10 HP	600 Vac	31.0 A	73.7 lb
NXBL0150SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	600 Vac	48 A	74.7 lb
NXBL0150SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	15 HP	600 Vac	48 A	74.7 lb
NXBL0200SS102C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	600 Vac	61.0 A	74.7 lb
NXBL0200SS103C0000	12.4 x 37.6 x 21.3	314.96 x 955.04 x 541.02	Frame 4/5	Vertical	20 HP	600 Vac	61.0 A	74.7 lb
NXBL0250SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	600 Vac	75 A	106.5 lb
NXBL0250SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	25 HP	600 Vac	75 A	106.5 lb
NXBL0300SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	600 Vac	88 A	106.5 lb
NXBL0300SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	30 HP	600 Vac	88 A	106.5 lb
NXBL0400SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	600 Vac	114 A	106.5 lb
NXBL0400SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	40 HP	600 Vac	114 A	106.5 lb
NXBL0500SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	50 HP	600 Vac	72 A	142.8 lb
NXBL0500SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	50 HP	600 Vac	72 A	142.8 lb
NXBL0600SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	60 HP	600 Vac	87 A	145.8 lb
NXBL0600SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	60 HP	600 Vac	87 A	145.8 lb
NXBL0750SS102C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	75 HP	600 Vac	105 A	196.4 lb
NXBL0750SS103C0000	19.0 x 57.5 x 27.0	482.6 x 1460.5 x 685.8	Frame 6/7	Vertical	75 HP	600 Vac	105 A	196.4 lb

Drive Accessories and Replacement Parts

Variable Frequency Drive Accessories

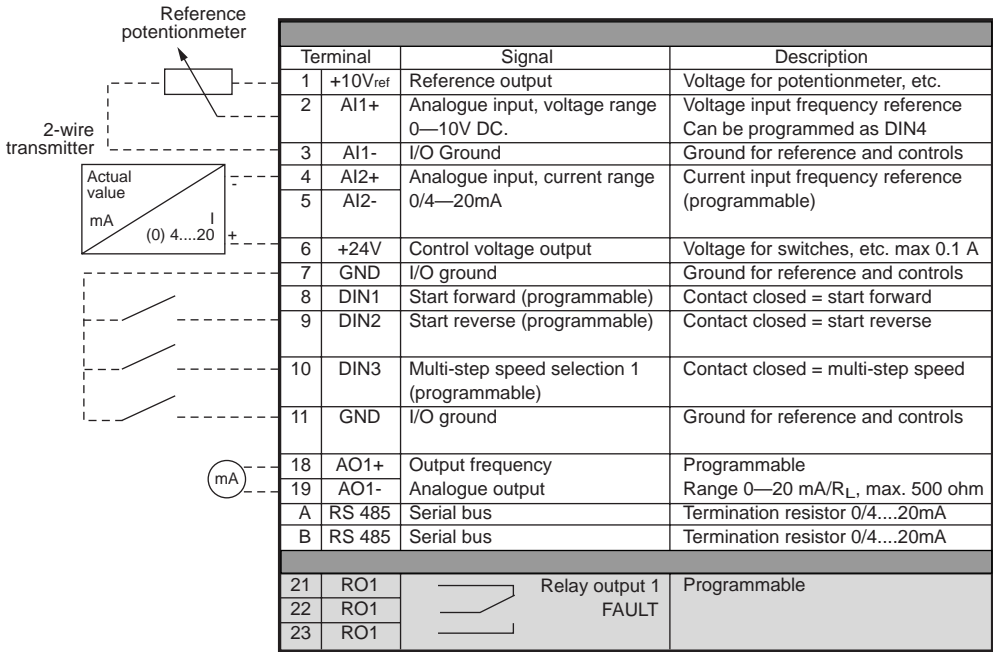
OS Number	Description	Used With
32006627-001	RFI Filter, up to 3 HP	NXL
32006628-001	Panel Mount Kit, NEMA12, 6 ft	NXS
32006629-001	Display, blank	NXS
32006629-002	Display, alphanumeric	NXS
32006629-003	Display, seven segment	NXL
32006630-001	Communication Card, LONBUS	NXS/NXL
32006630-002	Communication Card, MODBUS	NXS/NXL
32006630-003	I/O Expander, two-relay (NO/NC)	NXS/NXL
32006630-004	I/O Expander, programmable, six DI/DO	NXS/NXL
32006630-005	I/O Expander, six DI, one DO, two AI, one AO	NXS/NXL
32006630-006	I/O Expander, one RO (NO/NC), one RO (NO)	NXS/NXL
32006630-007	I/O Expander, three RO (NO)	NXS/NXL
32006630-008	I/O Expander, one AI (mA), two AO (mA)	NXS/NXL
32006662-001	Demo Case	NXL
32006662-002	Demo Case	NXS

Variable Frequency Drive Replacement Parts

OS Number	Description	Used With
32006803-002	Replacement Fan, up to 7.5 HP	NXS
32006803-003	Replacement Fan, 10 to 20 HP	NXS
32006803-004	Replacement Fan, 25 to 40 HP	NXS
32006803-005	Replacement Fan, 50 to 75 HP	NXS
32006803-006	Replacement Fan, 100 to 150 HP	NXS

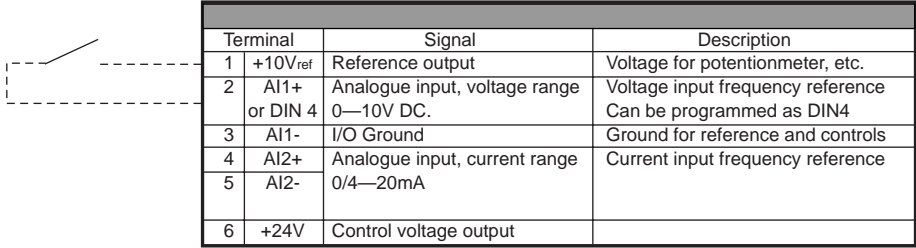
Wiring Diagrams

NXL Drive only



M19558

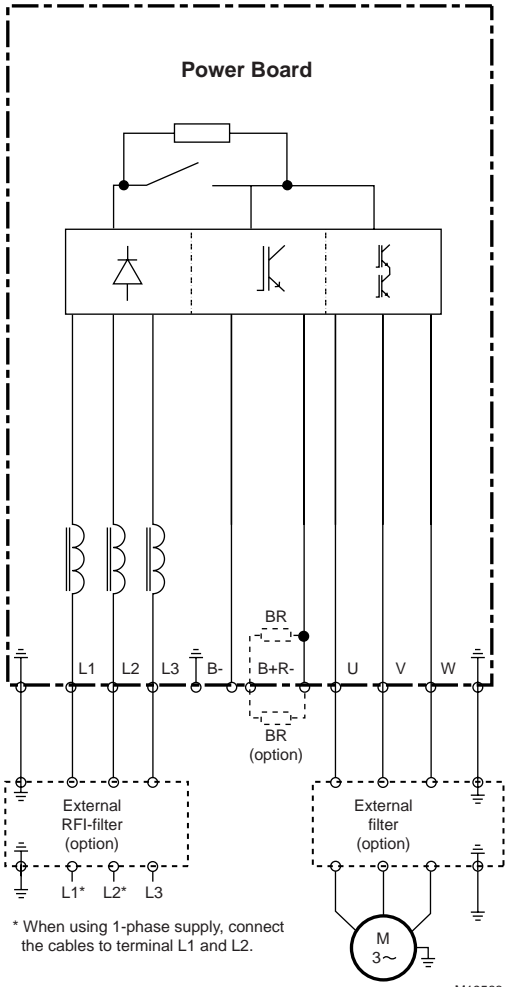
Multicontrol application default I/O configuration (with 2-wire transmitter)



M19559

The programming of AI1 as DIN4

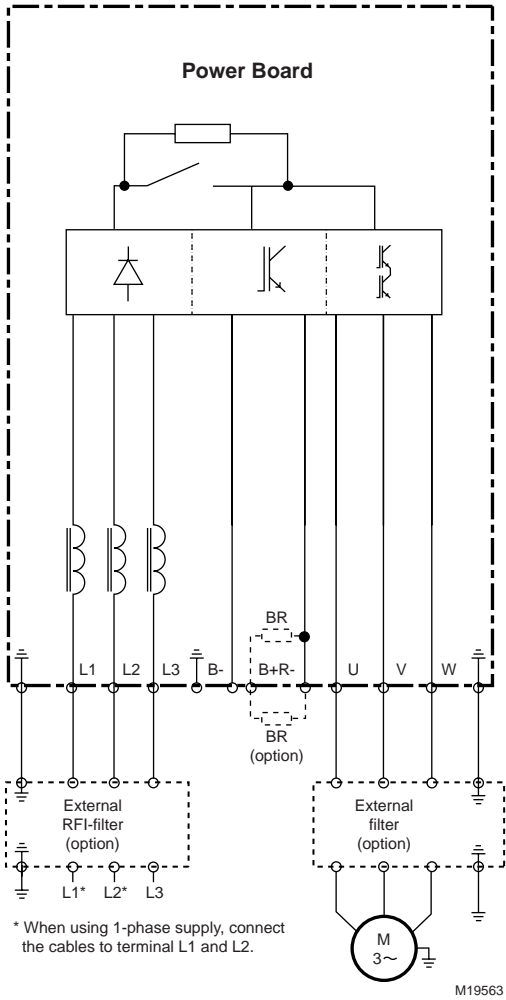
Wiring Diagrams



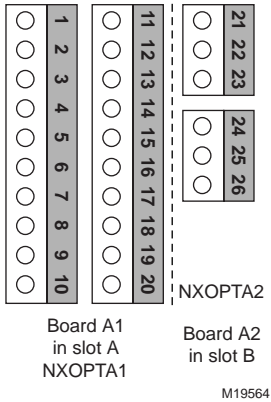
Principal Wiring diagram of NXL5 power unit, MF4 to MF5

Wiring Diagrams

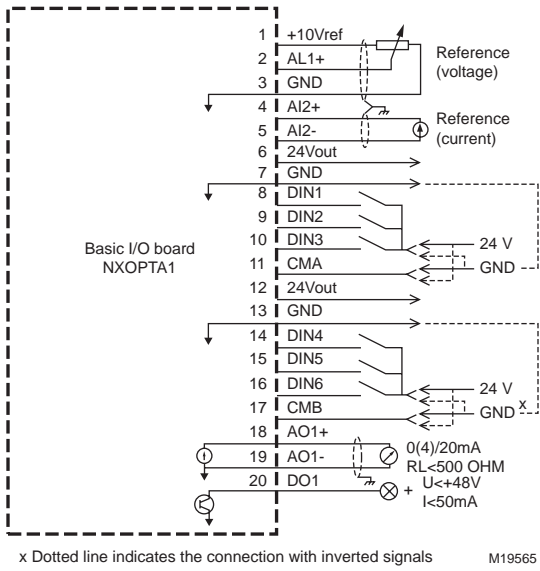
NXS/NXP Drive only



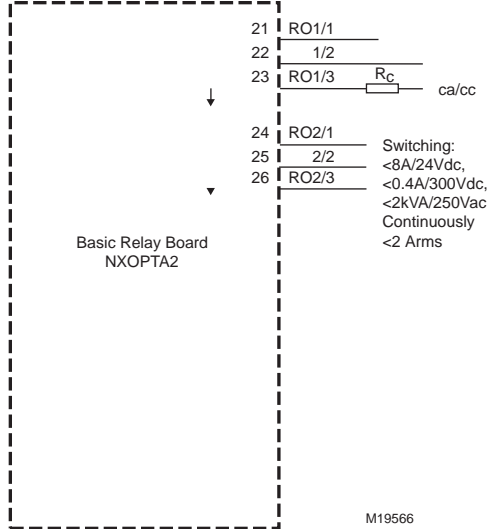
Principal wiring diagram for NX5 power unit, Fr4 to FR6



The I/O terminals of the two basic boards

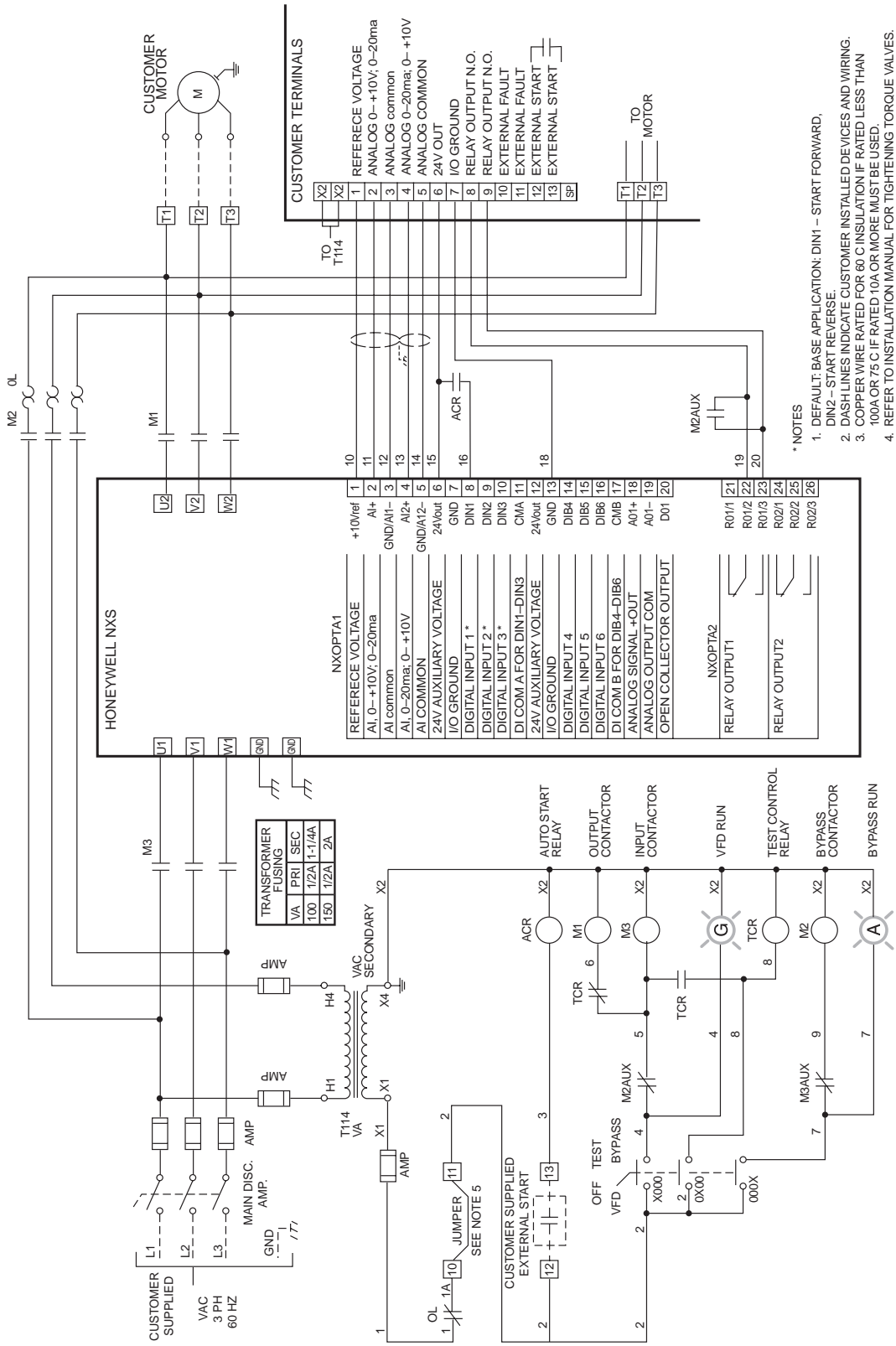


General wiring diagram for the basic I/O board (NXOPTA1)



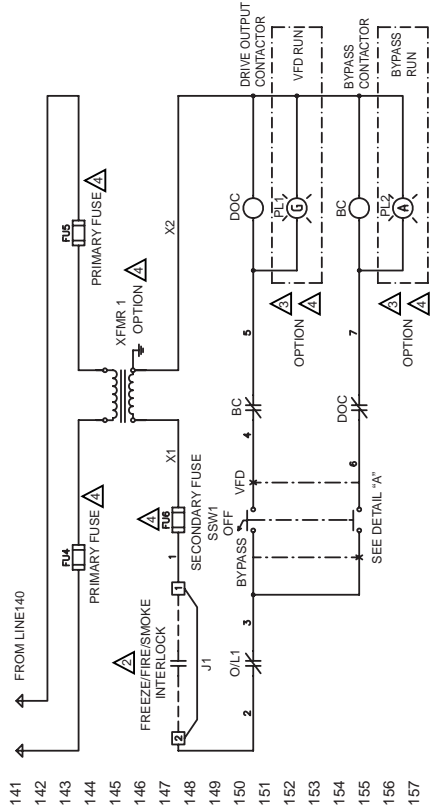
General wiring diagram of the basic relay board (NXOPTA2)

Wiring Diagrams



Wiring Diagram for NXS or NXP Drive with by-pass

Drive and Cool Blue by-pass



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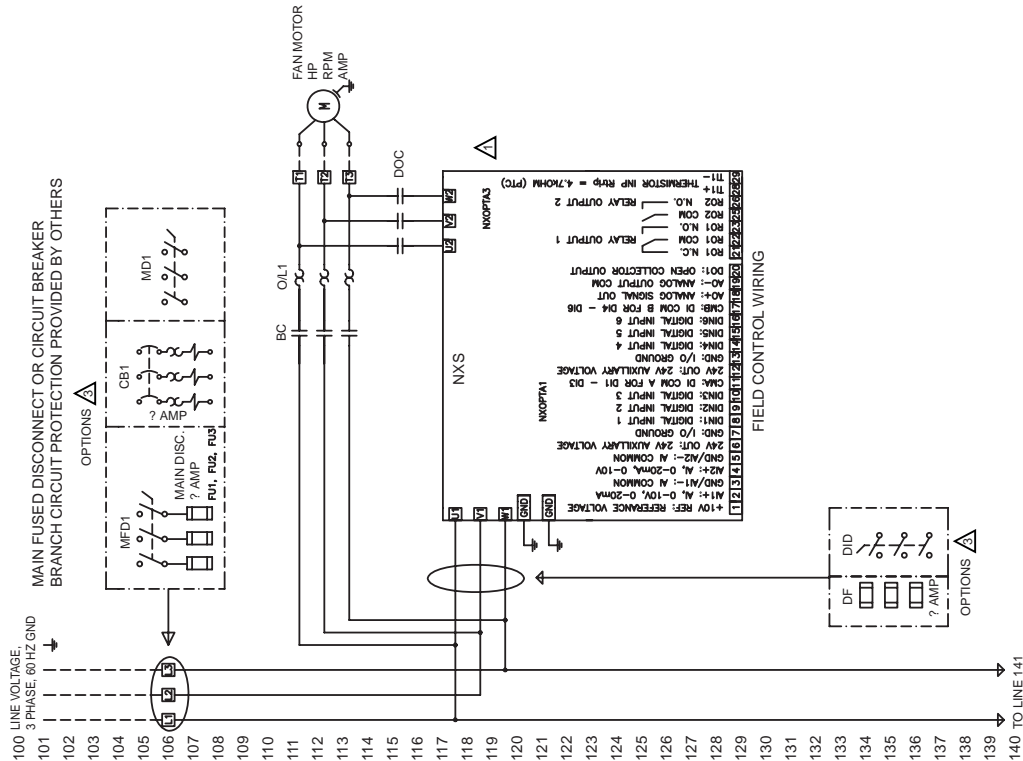
178

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180

SSW1 - THREE POSITION SEL. SW.
DETAIL 'A'

SEL. SW POSITION	DOC	BC
BYPASS	DE-ENERGIZED	ENERGIZED
VFD	ENERGIZED	DE-ENERGIZED
DRIVE	DE-ENERGIZED	ENERGIZED



100 LINE VOLTAGE,
3 PHASE 60 HZ GND

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140 TO LINE 141

Cool Blue 2-Contactor Wiring

△ DEFAULT, BASIC APPLICATION: - DN1 - START FORWARD, DN2 - START REVERSE, DN3 - RUN ENABLE.

△ IF CUSTOMER SAFETY INTERLOCK IS USED, REMOVE J1

△ MFD1 - MAIN FUSED DISCONNECT, CB1 - CIRCUIT BREAKER; MD1 - MAIN NON-FUSED DISCONNECT; DF1 - FAST ACTING DRIVE FUSE; DID - DRIVE INPUT DISCONNECT; PL1, PL2 - "VFD RUN" AND "BYPASS RUN" LED PILOT LIGHTS; MFD1, CB1, AND MD1 REPLACES TERMINALS 11, L2, AND L3.

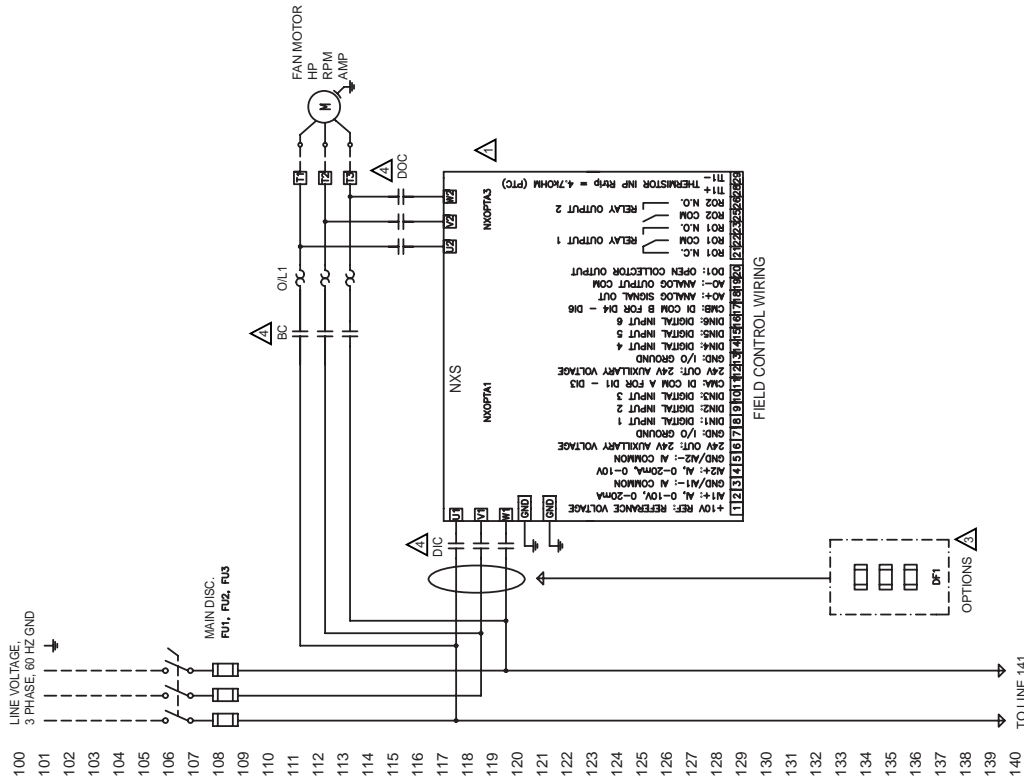
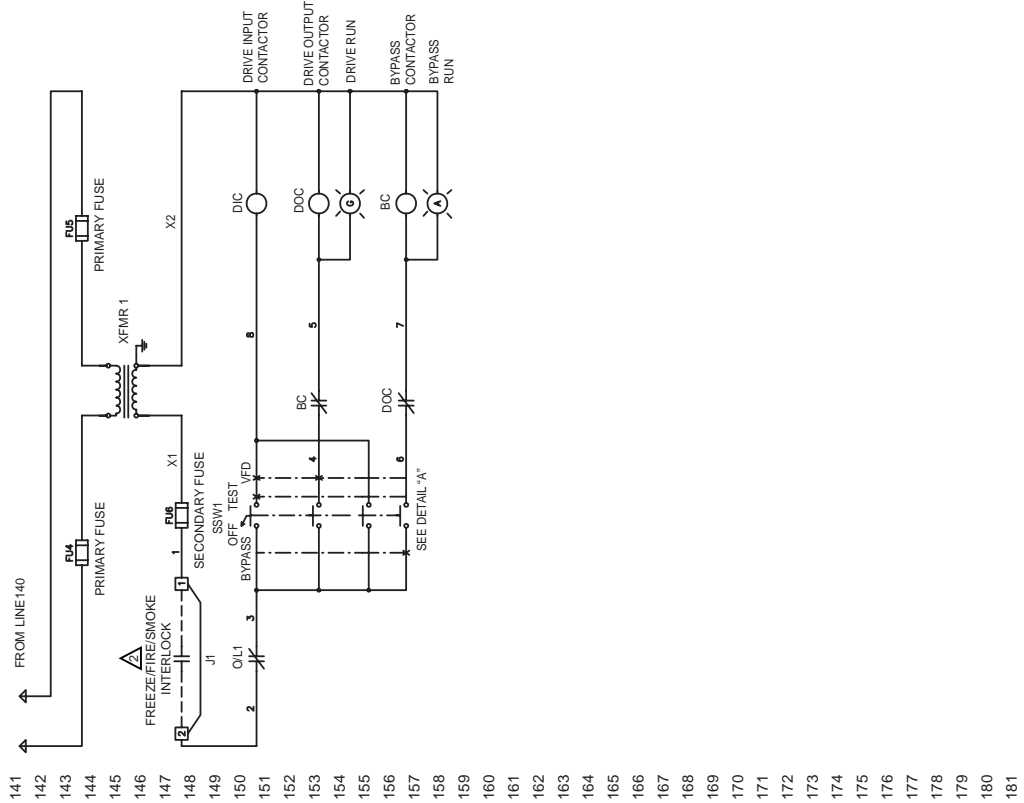
△ SHOWN WITH TRANSFORMER OPTION. IF XFMR IS NOT OPTED, CONTACTORS WILL HAVE LINE VOLTAGE COILS. XFMR PRIMARY FUSES WILL REMAIN, XFMR SECONDARY FUSE WILL BE REMOVED AND PILOT LIGHT OPTION WILL BE LINE VOLTAGE.

ALL WIRING: USE COPPER WIRE ONLY SUITABLE FOR MIN 75 C. FIELD WIRING, NEC CLASS 1.

- REMOTE WIRE
- WIRE INSIDE C/PNL
- SECTOR SWITCH ACTION
- OPTIONS

M13790

Wiring Diagrams



Cool Blue 3-Contactor Wiring

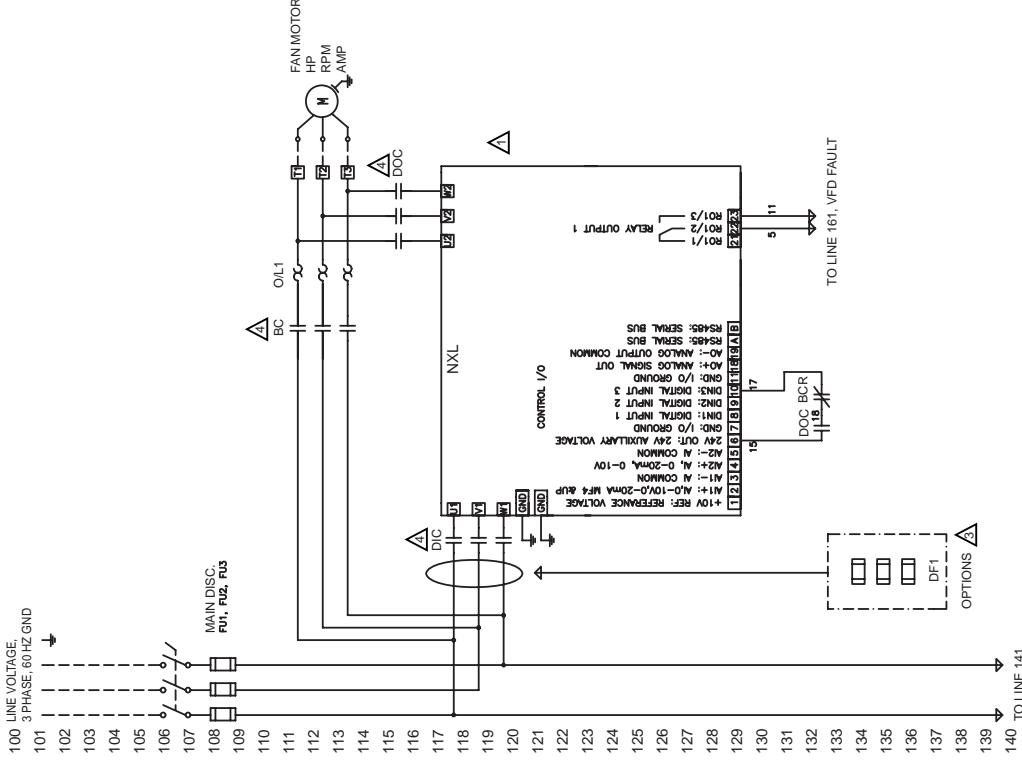
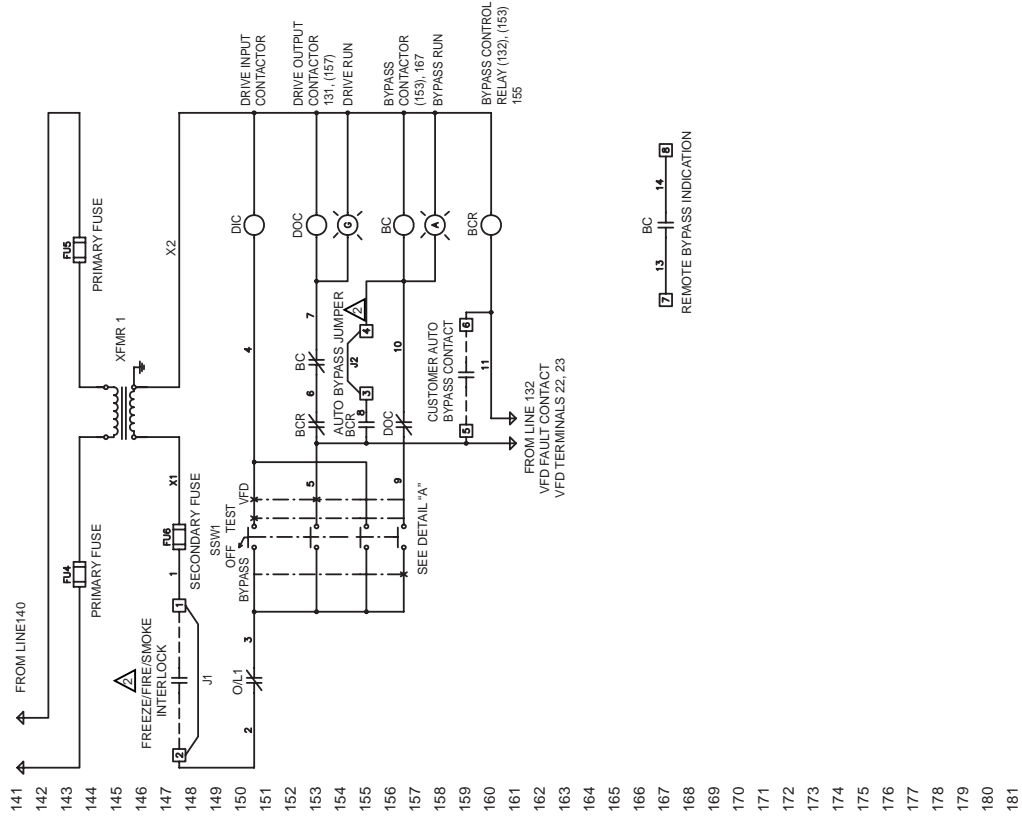
SSW1 - FOUR POSITION SEL. SW. DETAIL "B"

SEL. SW POSITION	DC	DOC	BC
BYPASS	DE-ENERGIZED	DE-ENERGIZED	DE-ENERGIZED
TEST	ENERGIZED	DE-ENERGIZED	DE-ENERGIZED
VFD	ENERGIZED	ENERGIZED	DE-ENERGIZED

WHEN NXS VFD IS LOCATED INSIDE 3R/4 BYPASS ENCLOSURE, CLEAN DRY COOLING AIR MUST BE USED TO KEEP VFD COOL.

M13791

- △ DEFAULT, BASIC APPLICATION: - DN1 - START FORWARD, DN2 - START REVERSE, DN3 - EXT FAULT cc.
 - △ IF CUSTOMER SAFETY INTERLOCK IS USED, REMOVE J1
 - △ FAST ACTING DRIVE FUSES.
 - △ DRIVE INPUT CONTACTOR; DOC - DRIVE OUTPUT CONTACTOR; BC - BYPASS CONTACTOR.
- ALL WIRING: USE COPPER WIRE ONLY SUITABLE FOR MIN 75 C, FIELD WIRING, NEC CLASS 1.
- REMOTE WIRE
 - _____ WIRE INSIDE C/PNL
 - - - - - SECTOR SWITCH ACTION
 - OPTIONS



Cool Blue 3-Contactor

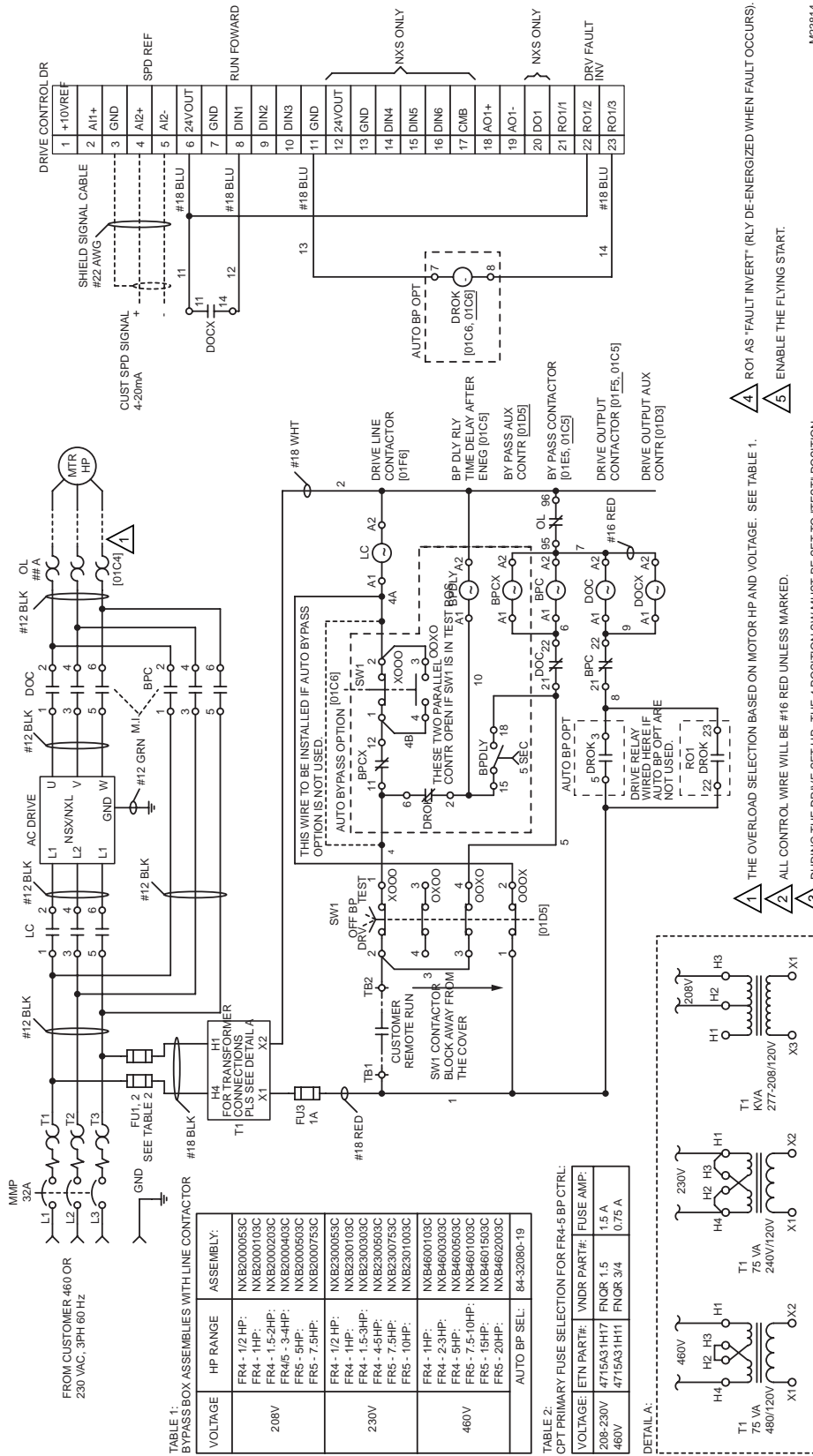
- △ DEFAULT, STANDARD APPLICATION - DN1 - START FORWARD, DN3 - RUN ENABLE.
 - △ IF CUSTOMER SAFETY INTERLOCK IS USED, REMOVE J1. REMOVE J2 FOR MANUAL BYPASS
 - △ DF1 - FAST ACTING DRIVE FUSES.
 - △ DIC - DRIVE INPUT CONTACTOR; DOC - DRIVE OUTPUT CONTACTOR; BC - BYPASS CONTACTOR.
- ALL WIRING: USE COPPER WIRE ONLY SUITABLE FOR MIN 75 C, FIELD WIRING, NEC CLASS 1.
- REMOTE WIRE
 - _____ WIRE INSIDE C/PNL
 - - - - - SECTOR SWITCH ACTION
 - · · · · OPTIONS

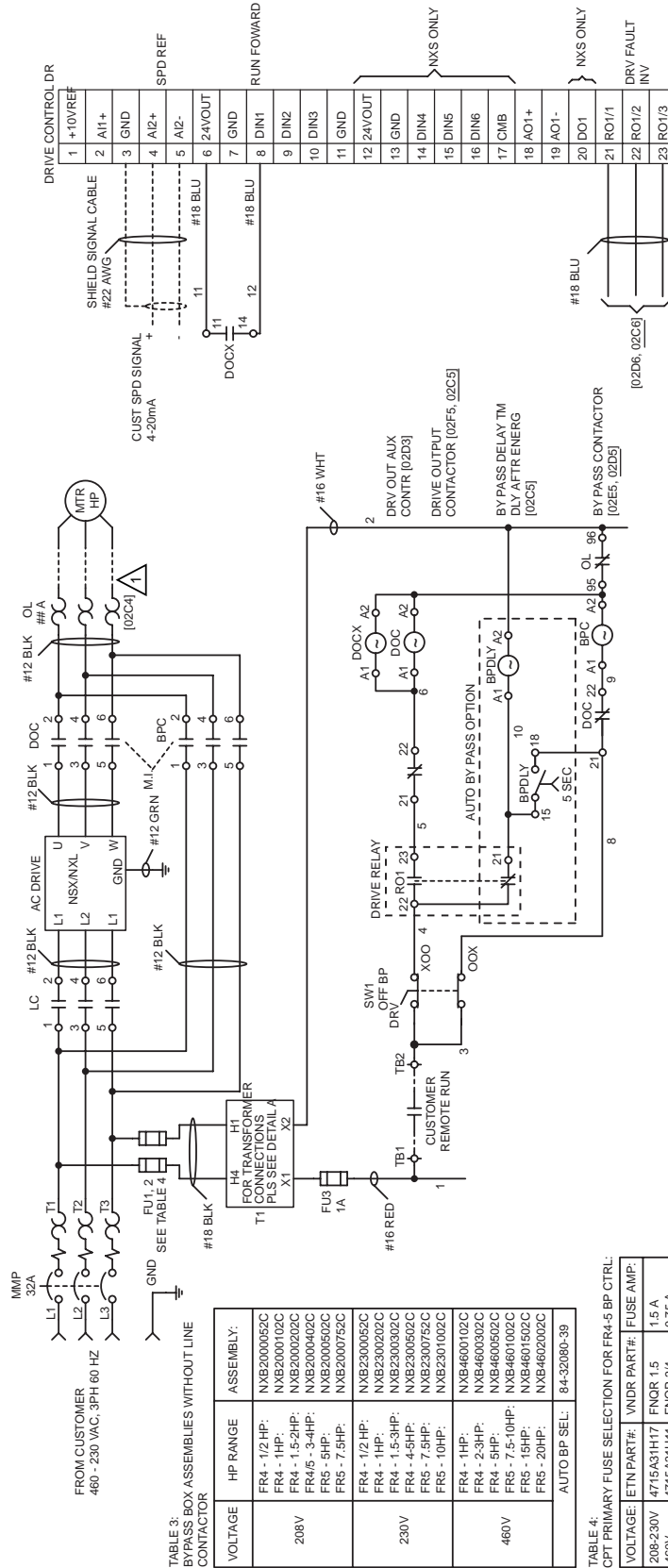
SSW1 - FOUR POSITION SEL. SW.
DETAIL "B"

SEL. SW POSITION	DOC	BC
DE-ENERGIZED	DE-ENERGIZED	ENERGIZED
DRIVE RUN	DE-ENERGIZED	DE-ENERGIZED
DRIVE STOP	ENERGIZED	DE-ENERGIZED
BYPASS	DE-ENERGIZED	DE-ENERGIZED
TEST	ENERGIZED	DE-ENERGIZED
VFD	ENERGIZED	DE-ENERGIZED

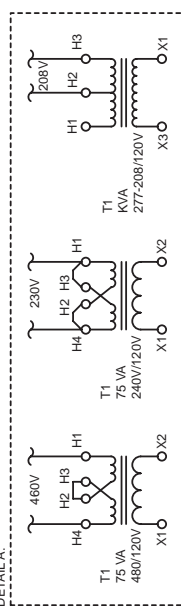
Wiring Diagrams

Drive and Slimline by-pass





- 1 THE OVERLOAD SELECTION BASED ON MOTOR HP AND VOLTAGE. SEE TABLE 3.
- 2 ALL CONTROL WIRE WILL BE #16 RED UNLESS MARKED.
- 3 DURING THE INITIAL DRIVE SET UP, THE 3 POSITION SW MUST BE SET TO 'OFF' POSITION.
- 4 RO1 AS 'FAULT INVERT' (RLY) DEENERGIZED WHEN FAULT OCCURS.
- 5 ENABLE THE FLYING START. STOP MODE SET TO COASTING.



M23815

Honeywell

AUTOMATION AND CONTROL PRODUCTS WARRANTY POLICY

Honeywell warrants the products in this catalog (except those parts designated on Honeywell's price lists as not covered by this warranty) to be free from defects due to workmanship or materials, under normal use and service, for the following warranty periods. Honeywell VisionPRO™, Commercial VisionPRO™, FocusPRO™, LineVolt™ PRO and Digital Round™ Series Thermostats with a date code of 0501 or later: sixty (60) months from date of installation. CommercialPRO, PRO 1000 and PRO 2000 Thermostats: twenty-four (24) months from date of installation. All other Honeywell thermostats with a date code of 0452 or earlier: twelve (12) months from date of installation, unless specified otherwise. Honeywell Air Cleaners, Humidifiers, Ventilators, Ultraviolet Treatment and Zoning Products with a date code of 0501 or later, excluding replacement maintenance parts: sixty (60) months from date of installation. These indoor air quality parts F50, F52, F300, F200, F150, UV100E, HE225, HE265, HE365 with date codes of 0452 or earlier, excluding replacement maintenance parts: sixty (60) months from date of installation. All other Honeywell indoor air quality and zoning products with a date code of 0452 or earlier: twenty-four (24) months from date of installation, unless specified otherwise. Variable frequency drive devices (VFD) and accessories: new products for thirty-six (36) months and factory refurbished drives for twelve (12) months from date of installation when start-up and commissioning is performed by Honeywell VFD Authorized and trained personnel. All VFD warranty return products must have prior authorization (Form No. 87-0284) and be returned only to the VFD Service Center in Chattanooga, TN. MS, MN and Fact Acting 2-position Direct Coupled Actuators: sixty (60) months from date of installation. The warranty period for all other products is twelve (12) months from date of installation.

If a product is defective due to workmanship or materials, is removed within the applicable warranty period, and is returned to Honeywell in accordance with the procedure described below, Honeywell will, at its option, either repair, replace or credit the customer for the purchase price of the product, in accordance with the procedure described below. This warranty extends only to persons or organizations who purchase products in this catalog for resale.

The expressed warranty above constitutes the entire warranty of Honeywell with respect to the products in this catalog and IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL HONEYWELL BE RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER.

INSTRUCTIONS—INSTALLING OR SERVICING CONTRACTOR OR DEALER

When replacing a Honeywell product under warranty, including those products furnished on original heating and/or cooling equipment, you should rely on your local Honeywell Wholesaler or Distributor for prompt and efficient product replacement service.

A Honeywell Returned Goods Identification Tag (form 87-0030) or an electronic data notification system must be completed and approved by the servicing dealer/contractor prior to submitting the product to the Honeywell Wholesaler or Distributor. (Tags may be obtained from the Wholesaler or Distributor in advance.) No warranty claim for product replacement or credit will be honored by the Wholesaler/Distributor without a completed warranty tag attached or electronic notification.

INSTRUCTIONS—WHOLESALE OR DISTRIBUTOR

The following will apply to the return of any product to Honeywell under this warranty:

Any products which are not variable frequency drives and are:

- (i) identified with Honeywell's Returned Goods Identification Tag (form 87-0030), or electronic notification system;
- (ii) are listed individually with Returned Goods ID Tag numbers and date codes listed on Honeywell's Returned Goods Order (form 71-96024) or a similar form;

- (iii) packed separately from other returns and protected from shipping damage;
- (iv) have certification by the installer or servicing dealer that the product was removed, due to failure, within the applicable warranty period;
- (v) are received transportation pre-paid at:
Honeywell Return Goods
Dock 4 MN10-3860
1885 Douglas Drive
Golden Valley, MN 55422
- (vi) and are found by Honeywell's inspection to be defective in workmanship or materials under normal use and service

will be handled in accordance with one of the two following procedures, as specified by the customer making the return:

All VFD warranty return products must have prior authorization (Form No. 87-0284) and be returned only to the VFD Service Center in Chattanooga, TN.

1. **CREDIT PROCEDURE.** Honeywell will issue credit, at Honeywell's lowest wholesaler net price in effect at the time of the return (as set forth on Honeywell's then current price sheet) or at the actual invoice amount if a copy of that invoice is attached to the packing list. (TRADELINE Replacement Exchange Products will be at Honeywell's lowest replacement exchange net price in effect at the time of such return, as shown on Honeywell's then current price sheet.) Honeywell reserves the right to

disallow this credit option in cases of warranty abuse.

2. **REPAIR OR REPLACEMENT PROCEDURE.** Honeywell will, at its option, either repair or replace the product free of charge and return it or its replacement lowest cost transportation prepaid. The replacement will be a functionally equivalent new TRADELINE product. Premium transportation will be used at customer's request and expense.

The warranty will not be honored if:

- (i) product is damaged or missing parts or accessory items including batteries.
- (ii) product exhibits evidence of field mis-applications.

Final disposition of any warranty claim will be determined solely by Honeywell. If inspection by Honeywell does not disclose any defect covered by the warranty, the product will be returned or scrapped as instructed by the customer and Honeywell's regular service charges will apply. Products returned to the customer may be sent shipping charges collect.

If you have any questions relative to product returns to Honeywell, contact your Customer Care Representative:

Honeywell International Inc.
Customer Care MN10-1461
1885 Douglas Drive
Golden Valley, MN 55422
(763) 954-5720

SPECIAL MESSAGE TO INDUSTRIAL USERS AND BUILDING OWNERS

Thank you for using Honeywell products.

As a user, when you purchase a Honeywell product from this catalog you should expect performance from the product and, if it fails, replacement of the product by the installing dealer.

Typically, you will have purchased a Honeywell product under the following circumstances:

1. To modernize or refurbish your existing commercial and/or process control system.
2. You have purchased new commercial and/or process heating, cooling, air

cleaning or humidification equipment that is furnished with Honeywell controls or components (refer to your owner's manual furnished with the equipment).

3. A control has failed on your existing commercial and/or process heating and/or cooling equipment and is replaced by a Honeywell TRADELINE product.

With few exceptions, you utilize the services of a competent plumbing, heating and/or cooling dealer/contractor for new or replacement work performed.

Although our warranty does not extend to you, Honeywell does extend a warranty to your supplier.

Your supplier can rely on its local Honeywell Wholesaler/Distributor or Honeywell for prompt replacement.

If you have any questions, need additional information or would like to comment on Honeywell's products or services, please write or phone:

Honeywell International Inc.
Customer Care MN10-1461
1885 Douglas Drive North
Golden Valley, MN 55422-4386
(763) 954-5720

or check your telephone directory (white pages) for one of many Honeywell field sales offices.

Automation and Control Solutions

Honeywell International Inc.
1985 Douglas Drive North
Golden Valley, MN 55422
customer.honeywell.com

Honeywell Limited-Honeywell Limitée
35 Dynamic Drive
Toronto, Ontario M1V 4Z9

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Printed in U.S.A. on recycled
paper containing at least 10%
post-consumer paper fibers.

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