

VFD Product Catalog



NX Series Variable Frequency Drives

Honeywell

Variable Frequency Drives

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Variable Frequency Drives

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

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

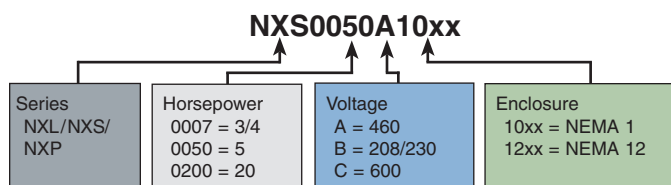
When selecting by Hp — and the drive is to be used with a motor with 8 poles or more — verify the current capacity of the drive is sufficient. The NX drives are suitable for multi-motor applications. The total value of the rated motor currents must then be less than the rated drive current.

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, 41-240 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	

NXL Variable Frequency Drives



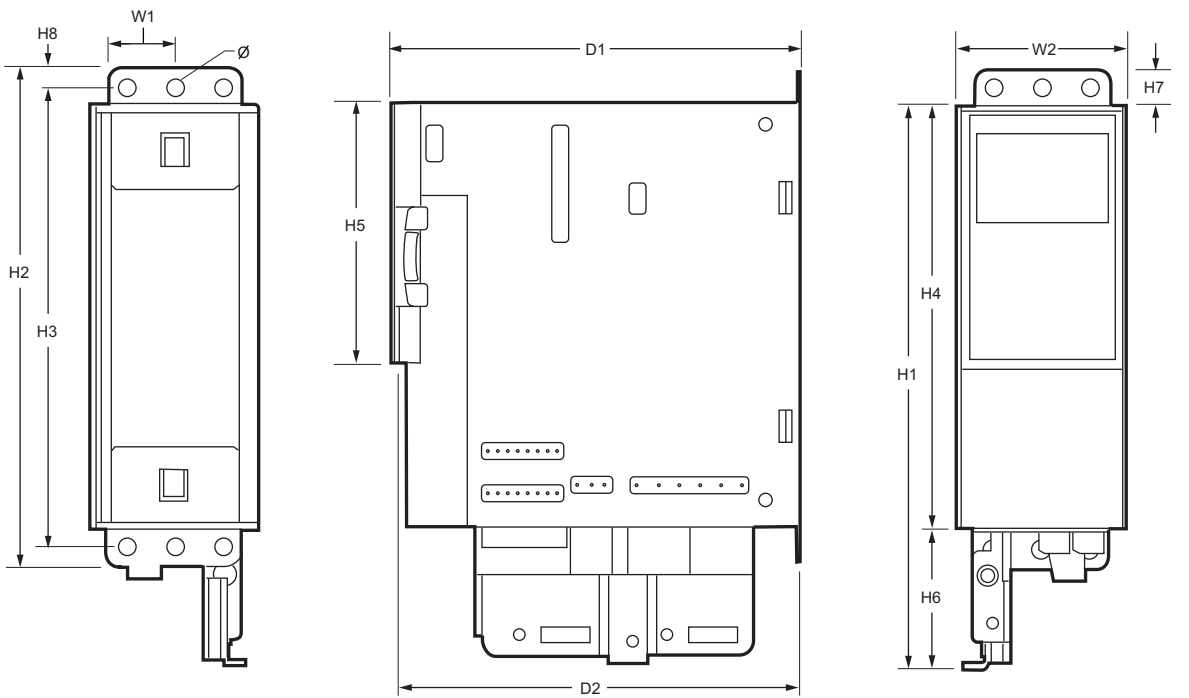
Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- 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.
- Modbus Standard

Drive Family	NXL
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
Continuos 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, 2 seconds every 20 seconds
Starting Torque:	200% High; 150% Low
Frequency:	0 Hz to 320 Hz
Operating Temperature:	High Overload 14 to 122; Low Overload 14 to 104; (High Overload -10 to 50); (Low Overload -10 to 40)
Type of RFI Filter:	Industrial filter
Layout:	Stand-alone drive
Bypass:	Drive only, no bypass

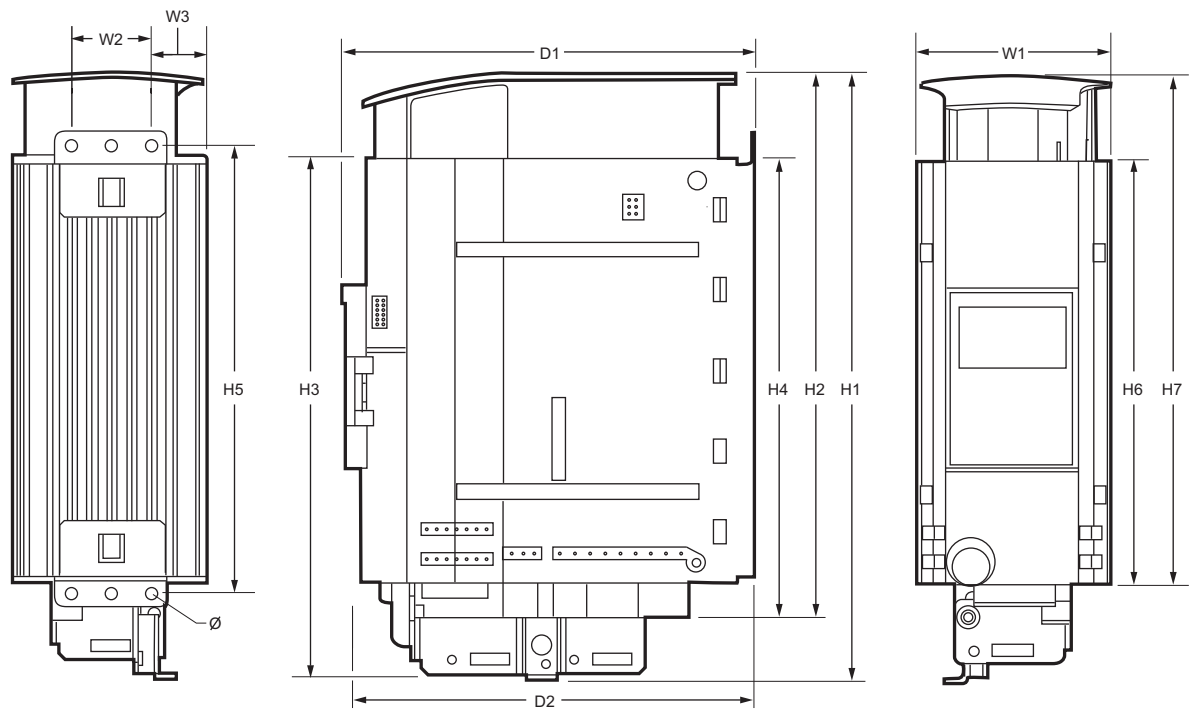
Variable Frequency Drives

Dimensions Diagram



TYPE	DIMENSIONS (INCH)													
	MF2	W1	W2	H1	H2	H3	H4	H5	H6	H7	H8	D1	D2	Ø
		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)													
	MF3	W1	W2	W3	H1	H2	H3	H4	H5	H6	H7	D1	D2	Ø
		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

M19556

Variable Frequency Drives

208/230 Volt - Open Chassis

Product Number	Horsepower	Frame Type	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
				(inch)	(mm)	(lb)	(kg)
NXL0005B1006	0.5 HP	MF2	2.4 A	2.4 x 5.1 x 5.9	61 x 130 x 150	2.2 lb	0.99 kg
NXL0007B1004	0.75 HP	MF3	3.7 A	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	4.19 lb	1.9 kg
NXL0010B1009	1 HP	MF3	4.8 A	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	4.19 lb	1.9 kg
NXL0015B1004	1.5 HP	MF3	6.6 A	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	4.19 lb	1.9 kg

480 Volt - Open Chassis

Product Number	Horsepower	Frame Type	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
				(inch)	(mm)	(lb)	(kg)
NXL0007A1006	0.75 HP	MF2	1.9 A	2.4 x 5.1 x 5.9	61 x 130 x 150	2.2 lb	0.99 kg
NXL0010A1001	1 HP	MF2	2.4 A	2.4 x 5.1 x 5.9	61 x 130 x 150	2.2 lb	0.99 kg
NXL0015A1006	1.5 HP	MF3	3.3 A	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	4.19 lb	1.9 kg
NXL0020A1009	2 HP	MF3	4.3 A	3.3 x 7.3 x 6.9	83.8 x 185.4 x 175.3	4.19 lb	1.9 kg

480 Volt - NEMA 1 Enclosure

Product Number	Horsepower	Frame Type	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
				(inch)	(mm)	(lb)	(kg)
NXL0015A1014	1.5 HP	MF3	3.3 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0020A1017	2 HP	MF3	4.3 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0030A1015	3 HP	MF3	5.6 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0040A1005	4 HP	MF4	7.6 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0050A1002	5 HP	MF4	9.0 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0075A1003	7.5 HP	MF4	12.0 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0100A1002	10 HP	MF5	16.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0150A1001	15 HP	MF5	23.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0200A1001	20 HP	MF5	31.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0250A1000	25 HP	MF6	38.0 A	7.7 x 20.4 x 9.1	195 x 519 x 237	41.8 lb	19.0 kg
NXL0300A1000	30 HP	MF6	46.0 A	7.7 x 20.4 x 9.2	195 x 519 x 237	41.8 lb	19.0 kg
NXL0400A1009	40 HP	MF6	61.0 A	7.7 x 20.4 x 9.3	195 x 519 x 237	41.8 lb	19.0 kg

480 Volt - NEMA 12 Enclosure

Product Number	Horsepower	Frame Type	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
				(inch)	(mm)	(lb)	(kg)
NXL0015A1204	1.5 HP	MF3	3.3 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0100A1200	10 HP	MF5	16.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0150A1209	15 HP	MF5	23.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0020A1207	2 HP	MF3	4.3 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0200A1209	20 HP	MF5	31.0 A	5.7 x 15.4 x 8.4	144 x 391 x 214	17.9 lb	8.1 kg
NXL0250A1208	25 HP	MF6	38.0 A	7.7 x 20.4 x 9.1	195 x 519 x 237	41.8 lb	19.0 kg
NXL0030A1205	3 HP	MF3	5.6 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0300A1208	30 HP	MF6	46.0 A	7.7 x 20.4 x 9.2	195 x 519 x 237	41.8 lb	19.0 kg
NXL0040A1203	4 HP	MF4	7.6 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0400A1207	40 HP	MF6	61.0 A	7.7 x 20.4 x 9.3	195 x 519 x 237	41.8 lb	19.0 kg
NXL0050A1200	5 HP	MF4	9.0 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg
NXL0075A1201	7.5 HP	MF4	12.0 A	5 x 11.5 x 7.5	128 x 292 x 190	11 lb	5.0 kg

Variable Frequency Drives

NXP Variable Frequency Drives

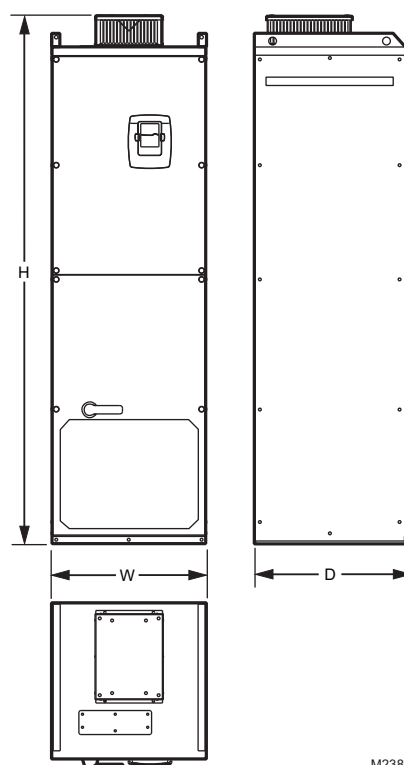


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections

- 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.

Drive Family	NXP
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, 2 seconds every 20 seconds
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature	High Overload 14 to 122; Low Overload 14 to 104; (High Overload -10 to 50); (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Layout	Stand-alone drive
Bypass	Drive only, no bypass

Dimensions Diagram



M23816

460 Volt - NEMA 1 Enclosure

Product Number	Horsepower	Frame Type	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
				(inch)	(mm)	(lb)	(kg)
NXP3000A1003	300 HP	FR10	385 A	23.4 x 79.5 x 23.7	595 x 2018 x 602	595.25 lb	270.0 kg
NXP3500A1008	350 HP	FR10	460 A	23.4 x 79.5 x 23.7	595 x 2018 x 602	595.25 lb	270.0 kg
NXP4500A1006	450 HP	FR10	520 A	23.4 x 79.5 x 23.7	595 x 2018 x 602	595.25 lb	270.0 kg

Variable Frequency Drives

NXS Variable Frequency Drives

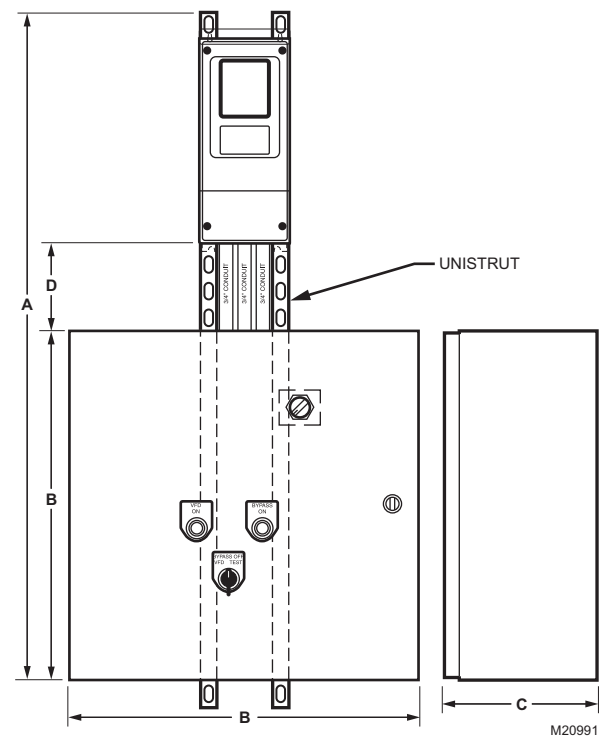


Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- 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.
- Modbus, BacNet, Device Net, Profibus, Ldbus, NS available as options cards.

Drive Family	NXS
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
Continuos 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, 2 seconds every 20 seconds
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature	High Overload 14 to 122; Low Overload 14 to 104; (High Overload -10 to 50); (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Layout	Stand-alone drive
Bypass	Drive only, no bypass

Dimensions Diagram



See also page 8 and page 10

208/230 Volt

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS0010B1000	1 HP	FR4	NEMA 1	4.8 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0010B1208	1 HP	FR4	NEMA 12	4.8 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0015B1005	1.5 HP	FR4	NEMA 1	6.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0015B1203	1.5 HP	FR4	NEMA 12	6.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0020B1008	2 HP	FR4	NEMA 1	7.8 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0020S1206	2 HP	FR4	NEMA 12	7.8 A	16 x 33.5 x 7	406 x 850 x 178	44 lb	20.0 kg

Variable Frequency Drives

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS0020B1206	2 HP	FR4	NEMA 12	7.8 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0030B1006	3 HP	FR4	NEMA 1	11.0 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0030B1204	3 HP	FR4	NEMA 12	11.0 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0040B1004	4 HP	FR4	NEMA 1	12.5 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	17.9 lb	8.1 kg
NXS0040B1202	4 HP	FR4	NEMA 12	12.5 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	17.9 lb	8.1 kg
NXS0050B1001	5 HP	FR5	NEMA 1	17.5 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0050B1209	5 HP	FR5	NEMA 12	17.5 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0075B1002	7.5 HP	FR5	NEMA 1	25 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0075B1200	7.5 HP	FR5	NEMA 12	25 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0100S1001	10 HP	FR5	NEMA 1	31.0 A	11 x 46 x 11	279 x 1168 x 279	62 lb	28.1 kg
NXS0100B1001	10 HP	FR5	NEMA 1	31.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	40.8 lb	18.5 kg
NXS0100B1209	10 HP	FR5	NEMA 12	31.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	40.8 lb	18.5 kg
NXS0150B1000	15 HP	FR6	NEMA 1	48 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0150B1208	15 HP	FR6	NEMA 12	48 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0200B1000	20 HP	FR6	NEMA 1	61.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	77.2 lb	35.0 kg
NXS0200B1208	20 HP	FR6	NEMA 12	61.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	77.2 lb	35.0 kg
NXS0250B1009	25 HP	FR7	NEMA 1	75 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0250B1207	25 HP	FR7	NEMA 12	75 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0300B1009	30 HP	FR7	NEMA 1	88 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0400B1008	40 HP	FR8	NEMA 1	114 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	127.9 lb	58.0 kg
NXS0400B1206	40 HP	FR8	NEMA 12	114 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0500B1007	50 HP	FR8	NEMA 1	143 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0500B1205	50 HP	FR8	NEMA 12	143 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0600B1006	60 HP	FR8	NEMA 1	169 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0600B1204	60 HP	FR8	NEMA 12	169 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0750B1004	75 HP	FR8	NEMA 1	205 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg

460 Volt

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS0015A1007	1.5 HP	FR4	NEMA 1	3.3 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0015A1205	1.5 HP	FR4	NEMA 12	3.3 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0020A1000	2 HP	FR4	NEMA 1	4.3 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0020A1208	2 HP	FR4	NEMA 12	4.3 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0030A1008	3 HP	FR4	NEMA 1	5.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0030A1206	3 HP	FR4	NEMA 12	5.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0040A1006	4 HP	FR4	NEMA 1	7.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0040A1204	4 HP	FR4	NEMA 12	7.6 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0050A1003	5 HP	FR4	NEMA 1	9.0 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0050A1201	5 HP	FR4	NEMA 12	9.0 A	5.4 x 11.5 x 7.5 in.	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0075A1004	7.5 HP	FR4	NEMA 1	12.0 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0075A1202	7.5 HP	FR4	NEMA 12	12.0 A	5.4 x 11.5 x 7.5	137.2 x 292.1 x 190.5	11 lb	5.0 kg
NXS0100A1003	10 HP	FR5	NEMA 1	16.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0100A1201	10 HP	FR5	NEMA 12	16.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0150A1002	15 HP	FR5	NEMA 1	23.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0150A1200	15 HP	FR5	NEMA 12	23.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0200A1002	20 HP	FR5	NEMA 1	31.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0200A1200	20 HP	FR5	NEMA 12	31.0 A	5.7 x 15.4 x 8.4	144.8 x 391.2 x 213.4	17.9 lb	8.1 kg
NXS0250A1001	25 HP	FR6	NEMA 1	38.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg

Variable Frequency Drives

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS0250A1209	25 HP	FR6	NEMA 12	38.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0300A1001	30 HP	FR6	NEMA 1	46.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0300A1209	30 HP	FR6	NEMA 12	46.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0400A1000	40 HP	FR6	NEMA 1	61.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0400A1208	40 HP	FR6	NEMA 12	61.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0500A1009	50 HP	FR7	NEMA 1	72 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0500A1207	50 HP	FR7	NEMA 12	72 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0600A1008	60 HP	FR7	NEMA 1	87 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0600A1206	60 HP	FR7	NEMA 12	87 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0750A1006	75 HP	FR7	NEMA 1	105 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0750A1204	75 HP	FR7	NEMA 12	105 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS1000A1002	100 HP	FR8	NEMA 1	140 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1000A1200	100 HP	FR8	NEMA 12	140 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1250A1009	125 HP	FR8	NEMA 1	170 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1250A1207	125 HP	FR8	NEMA 12	170 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1500A1007	150 HP	FR8	NEMA 1	205 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1500A1205	150 HP	FR8	NEMA 12	205 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS2000A1000	200 HP	FR9	NEMA 1	261 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg

575 Volt

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS0030C1004	3 HP	FR6	NEMA 1	4.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0030C1202	3 HP	FR6	NEMA 12	4.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0040C1002	4 HP	FR6	NEMA 1	5.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0040C1200	4 HP	FR6	NEMA 12	5.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0050C1009	5 HP	FR6	NEMA 1	7.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0050C1207	5 HP	FR6	NEMA 12	7.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0075C1000	7.5 HP	FR6	NEMA 1	10.0 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0075C1208	7.5 HP	FR6	NEMA 12	10.0 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0100C1009	10 HP	FR6	NEMA 1	13.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0100C1207	10 HP	FR6	NEMA 12	13.5 A	7.7 x 20.4 x 9.3	195 x 519 x 237	40.8 lb	18.5 kg
NXS0150C1008	15 HP	FR6	NEMA 1	18.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0150C1206	15 HP	FR6	NEMA 12	18.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0200C1008	20 HP	FR6	NEMA 1	22.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0200C1206	20 HP	FR6	NEMA 12	22.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0250C1007	25 HP	FR6	NEMA 1	27.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0250C1205	25 HP	FR6	NEMA 12	27.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0300C1007	30 HP	FR6	NEMA 1	34.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0300C1205	30 HP	FR6	NEMA 12	34.0 A	7.7 x 20.4 x 9.3	195.6 x 518.2 x 236.2	40.8 lb	18.5 kg
NXS0400C1006	40 HP	FR7	NEMA 1	41.0 A	16 x 62 x 12	406 x 1575 x 330	77.2 lb	35.0 kg
NXS0400C1204	40 HP	FR7	NEMA 12	41.0 A	9.3 x 23.3 x 10.1	236.2 x 519.9 x 256.5	77.2 lb	35.0 kg
NXS0500C1005	50 HP	FR7	NEMA 1	52 A	16 x 62 x 12	406 x 1575 x 330	77.2 lb	35.0 kg
NXS0500C1203	50 HP	FR7	NEMA 12	52 A	16 x 62 x 12	406 x 1575 x 330	77.2 lb	35.0 kg
NXS0600C1004	60 HP	FR8	NEMA 1	62 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0600C1202	60 HP	FR8	NEMA 12	62 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0750C1002	75 HP	FR8	NEMA 1	80 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS0750C1200	75 HP	FR8	NEMA 12	80 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1000C1008	100 HP	FR8	NEMA 1	100 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg

Variable Frequency Drives

Product Number	Horsepower	Frame Type	Type of Enclosure	Amp Rating, lvt (A)	Dimensions, Approximate		Weight	
					(inch)	(mm)	(lb)	(kg)
NXS1000C1206	100 HP	FR8	NEMA 12	100 A	11.2 x 28.4 x 12.3	284.5 x 721.4 x 312.4	127.9 lb	58.0 kg
NXS1250C1005	125 HP	FR9	NEMA 1	125 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg
NXS1250C1203	125 HP	FR9	NEMA 12	125 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg
NXS1500C1003	150 HP	FR9	NEMA 1	144 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg
NXS1500C1201	150 HP	FR9	NEMA 12	144 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg
NXS2000C1006	200 HP	FR9	NEMA 1	208 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg
NXS2000C1204	200 HP	FR9	NEMA 12	208 A	18.9 x 45.3 x 14.3	480 x 1150 x 362	321.9 lb	146.0 kg

Variable Frequency Drive Accessories and Replacement Parts

Accessories

Product Number	Description	Used With
32004193-002	CX Series Keypad Display, Alphanumeric Display	CX Series VFD
32006627-001	RFI filter for NXL units up to 3HP, 460v	NXL
32006628-001	Panel mount kit, NEMA 12, 6ft	NXS
32006629-001	Blank display	NXS
32006629-002	Alphanumeric Display	NXS
32006629-003	7 segment display for NXL	NXL
32006629-004	Variable Frequency Drive RS232 Adapter	—
32006630-001	Lonbus Card	NXS/NXL
32006630-002	Modbus Card	NXS/NXL
32006630-003	2 RO (NO/NC)	NXS/NXL
32006630-004	6DI/DO Program able	NXS/NXL
32006630-005	6DI, 1DO, 2AI, 1AO	NXS/NXL
32006630-006	1RO (NO/NC), 1RO (NO)	NXS/NXL
32006630-007	3RO (NO)	NXS/NXL
32006630-008	1AI (mA), 2AO (mA),	NXS/NXL
32006630-013	BACnet card	NXS/NXL
32006662-001	NXL demo	NXL
32006662-002	NXS demo	NXS

Replacement Parts

Product Number	Description	Voltage	Horsepower	Used With
32006803-001	Control Module NXS	—	—	NXS
32006803-002	Fan assembly up to 7.5HP	—	up to 7.5 HP	NXS
32006803-003	Fan assembly 10 - 20 HP	—	10 - 20 HP	NXS
32006803-004	Fan assembly 25 - 40 HP	—	25 - 40 HP	NXS
32006803-005	Fan assembly 50 - 75HP	—	50 - 75 HP	NXS
32006803-006	Fan assembly 100 - 150HP	—	100 - 150 HP	NXS
32006803-008	Power Module 2 HP	460 Vac	2 HP	NXS

Optimize Capability, Minimize Waste

You already know the energy savings variable frequency drives (VFDs) deliver. Most VFDs are loaded with features that you don't need or do not fit your application. With Honeywell SmartDrive Compact VFDs, you select the capabilities you need. Our SmartDrive Compact line lets you customize the drive features to the application, eliminating waste.

Maximize Space

The SmartDrive Compact VFD lets you make the most of the available space in your application. It's a true micro drive & is among the smallest, most streamlined VFDs on the market, which saves space in your equipment cabinet.

Honeywell's SmartDrive Compact is a true micro drive with the features you care about:

- Three interface options: Keyboard, PC, MCA
- EMC optional
- Open Chassis or NEMA 1 Enclosure
- Full or Limited input options

The Honeywell Compact drive has all of the power and programming features you need without the size.

- DIN rail mounting
- PID Controller
- MODbus Standard



Frame Size	Frame Height	Frame Width	Frame Depth
MI1	6.2"	2.6"	3.9"
MI2	7.7"	3.5"	4.0"
MI3	10.2"	3.9"	4.3"

Programming At Your Fingertips

The SmartDrive architecture is created with ease of use and speed in mind. With the touch wheel as the central feature of the API (application interface) you can configure the drive to your specific application.

Standard API

Honeywell offers a set of APIs as standard, which are available from the shelf.

- API — Full
- API — Limited

API LIMITED

	Terminal	Signal, Default Settings
1	+10Vref	Reference voltage
2	AI1	
3	GND	I/O ground
6	+24Volt	24V auxiliary voltage
7	GND	I/O ground
8	DIN1	Start forward
9	DIN2	Start reverse
10	DIN3	Fault reset
A	A	Serial bus (Modbus RTU)
B	B	Serial bus
21	RO11	Relay output, FAULT, NC
22	RO12	Relay output, FAULT, NC

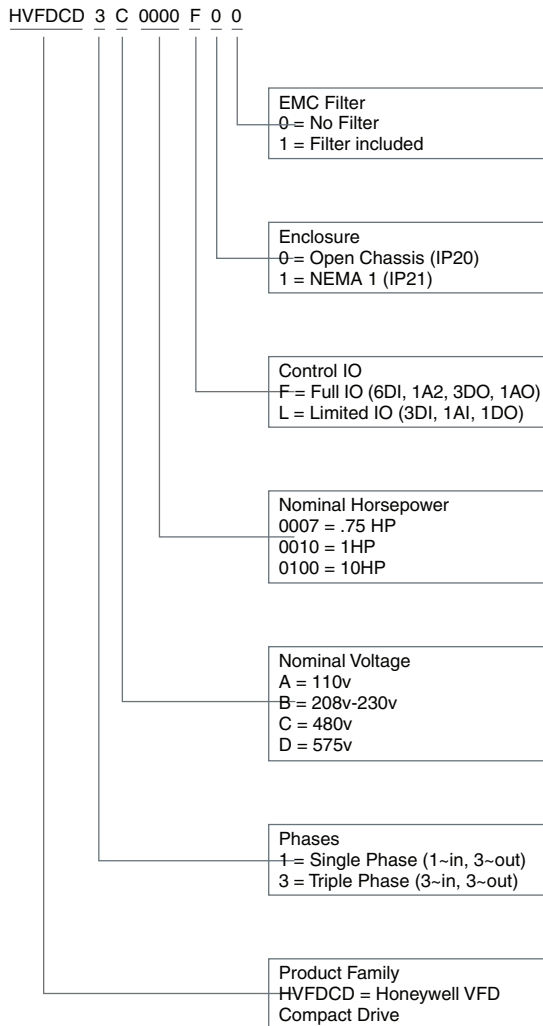
API FULL

	Terminal	Signal, Default Setting
1	+10Vref	Reference voltage
2	AI1	Analog input 0/4-20 mA
3	GND	I/O ground
6	+24Volt	24 V auxiliary voltage
7	GND	I/O ground
8	DIN1	Start forward
9	DIN2	Start reverse
10	DIN3	Fault reset
A	A	Serial bus (Modbus RTU)
B	B	Serial bus
21	RO11	Relay output 1, FAULT, Change over
22	RO12	Relay output 1, FAULT, NC
4	A12	Analog input 0-10V
5	GND	I/O ground
13	GND	I/O ground
14	DIN4	Preset speed 1
15	DIN5	Preset speed 2
16	DIN6	Preset speed 3
18	AO	Analog output, output frequency
20	DO	Ready
25	RO21	Relay output 2, RUN, NO
26	RO22	Relay output 2, RUN, NO
23	RO13	Relay output 1, FAULT, NO

SmartDrive Compact VFD

Easy To Select Model Numbers

Honeywell SmartDrive model numbers follow the same conventions. Use the figure below to select the appropriate drive for your application.



Frame Size: MI1 Dimensions: 6.2" H x 2.6" W x 3.9" D				
Nominal Voltage	Nom. HP (Nom. Current)	EMC Filter	Control I/O	Part Number
460 3~in 3~out	0.5 HP (1.3 A)	No	Full	HVFDCD3C0005F00
			Limited	HVFDCD3C0005L00
		EMC	Full	HVFDCD3C0005F01
			Limited	HVFDCD3C0005L01
	0.75 HP (1.9 A)	No	Full	HVFDCD3C0007F00
			Limited	HVFDCD3C0007L00
		EMC	Full	HVFDCD3C0007F01
			Limited	HVFDCD3C0007L01
	1 HP (2.4 A)	No	Full	HVFDCD3C0010F00
			Limited	HVFDCD3C0010L00
		EMC	Full	HVFDCD3C0010F01
			Limited	HVFDCD3C0010L01
1.5 HP (3.3 A)	No	Full	HVFDCD3C0015F00	
		Limited	HVFDCD3C0015L00	
	EMC	Full	HVFDCD3C0015F01	
		Limited	HVFDCD3C0015L01	
208/230 1~in 3~out	0.25 HP (1.7 A)	No	Full	HVFDCD1B0003F00
			Limited	HVFDCD1B0003L00
		EMC	Full	HVFDCD1B0003F01
			Limited	HVFDCD1B0003L01
	0.5 HP (2.4 A)	No	Full	HVFDCD1B0005F00
			Limited	HVFDCD1B0005L00
		EMC	Full	HVFDCD1B0005F01
			Limited	HVFDCD1B0005L01
	0.75 HP (2.8 A)	No	Full	HVFDCD1B0007F00
			Limited	HVFDCD1B0007L00
		EMC	Full	HVFDCD1B0007F01
			Limited	HVFDCD1B0007L01
1 HP (3.7A)	No	Full	HVFDCD1B0010F00	
		Limited	HVFDCD1B0010L00	
	EMC	Full	HVFDCD1B0010F01	
		Limited	HVFDCD1B0010L01	
Frame Size: MI2 Dimensions: 7.7" H x 3.5" W x 4.0" D				
Nominal Voltage	Nom. HP (Nom. Current)	EMC Filter	Control I/O	Part Number
460 3~in 3~out	2 HP (4.3 A)	No	Full	HVFDCD3C0020F00
			Limited	HVFDCD3C0020L00
		EMC	Full	HVFDCD3C0020F01
			Limited	HVFDCD3C0020L01
	3 HP (5.6 A)	No	Full	HVFDCD3C0030F00
			Limited	HVFDCD3C0030L00
EMC		Full	HVFDCD3C0030F01	
		Limited	HVFDCD3C0030L01	
208/230 1~in 3~out	1.5 HP (4.8 A)	No	Full	HVFDCD1B0015F00
			Limited	HVFDCD1B0015L00
		EMC	Full	HVFDCD1B0015F01
			Limited	HVFDCD1B0015L01
	2 HP (7 A)	No	Full	HVFDCD1B0020F00
			Limited	HVFDCD1B0020L00
EMC		Full	HVFDCD1B0020F01	
		Limited	HVFDCD1B0020L01	
Frame Size: MI3 Dimensions: 10.2" H x 3.9" W x 4.3" D				
Nominal Voltage	Nom. HP (Nom. Current)	EMC Filter	Control I/O	Part Number
460 3~in 3~out	4 HP (7.6 A)	No	Full	HVFDCD3C0040F00
			Limited	HVFDCD3C0040L00
		EMC	Full	HVFDCD3C0040F01
			Limited	HVFDCD3C0040L01
	5 HP (9 A)	No	Full	HVFDCD3C0050F00
			Limited	HVFDCD3C0050L00
		EMC	Full	HVFDCD3C0050F01
			Limited	HVFDCD3C0050L01
	7.5 HP (12 A)	No	Full	HVFDCD3C0075F00
			Limited	HVFDCD3C0075L00
		EMC	Full	HVFDCD3C0075F01
			Limited	HVFDCD3C0075L01
208/230 1~in 3~out	3 HP (11 A)	No	Full	HVFDCD1B0030F00
		Limited	HVFDCD1B0030L00	
		EMC	Full	HVFDCD1B0030F01
			Limited	HVFDCD1B0030L01

Drives and Cool Blue Bypass

NAMING STRUCTURE

NXB	Bypass or Disconnect	
J	480 Volts	
K	208 Volts	
S	230 Volts	
L	600 Volts	
1000	100 HP (0100 = 10HP), (0050 = 5HP)	
C	Cool Blue Bypass	
D	Cool Blue Disconnect	
S	NXS Drive	
L	NXL Drive	
1	NEMA 1	
2	NEMA 12	
3	NEMA 3R	
0	Standard	
1	Auto-bypass Option	
3	Auto-Bypass and Hand Off Auto Option	
0	Disconnect or Drive Alone	
2	Two Contactor	
3	Three Contactor	
00000	2 Contactor Bypass or Drive Alone	
F0000	Fused Disconnect	
F1110	3 Contactor Fused Bypass	

NXB	J	1000	C	S	1	0	3	F1110	NXBJ1000CS103F1110
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Drives and Cool Blue Bypass

Select the Best Honeywell Cool Blue Bypasses for Your Application

For system critical applications, you must be able to select a bypass that meets the requirements of the specification. The Cool Blue bypass is easy to specify, select, install and commission. The Cool Blue is the perfect complement to the advanced capabilities of the NXS/NXL drives – a combination that is both simple and smart.

Cool Blue Bypass Configurations

Our five Cool Blue configurations make it easy for you to select the right bypass to complete your drive package. All bundles are available in NEMA 1, NEMA 12 and ventilated NEMA 3R.

Cool Blue Disconnect

Adds a fused disconnect to the NXL or NXS VFD.

Cool Blue 2-Contactor

Provides an economical means of bypassing the VFD.

- No Main Disconnect
- Freeze/Fire/Smoke Interlock

Cool Blue 3-Contactor

Commission, service or replace the VFD without affecting the operation of the motor. Provide additional bypass control capabilities with Auto-bypass and HOA options.

- Fused Disconnect
- Freeze/Fire/Smoke Interlock
- VFD can be isolated from power with motor running in BYPASS mode
- TEST position powers the VFD without sending power to the motor

Cool Blue 3-Contactor Options Auto-Bypass

- Available with NXS and NXL
- Any VFD fault will automatically send the bypass to BYPASS mode
- A contact closure sends the bypass to BYPASS mode
- Dry contacts indicate when the bypass is in BYPASS mode, alerting the building management system Auto-Bypass and HOA (Hand-Off-Auto)
- Available only with the NXS
- Auto-bypass functions above
- Local/Remote switch changes speed reference from standard inputs to potentiometer input
- Potentiometer on front of bypass panel allows “Hand” control of VFD

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 — 3 years from installation when installed by authorized technician

Drives and Cool Blue Bypass

EASY SELECTION FOR ANY APPLICATION

NEMA 1 NX_ with Cool Blue Bypass, 2-Contactor and 3-Contactor							
	Frame Sizes by HP and Voltage			Dimensions (in)			Weight (lb)
	208/230 VAC	460VAC	575VAC	H	D	W	
Frame 4	1-4 HP	1-7.5 HP		40	9.5	9.5	43
Frame 5	5-10 HP	10-20 HP		46	10.5	11	62
Frame 6	15-20 HP	25-40 HP	3-30 HP	53	12	14	99
Frame 7	25-40 HP	50-75 HP	40-50 HP	62	13	16	154
Frame 8	50-75 HP	100-150 HP	60-100 HP	54	16	36	360

NEMA 1 NX_ with Cool Blue Disconnect, No Bypass						
	Frame Sizes by HP and Voltage			Dimensions (in)		
	208/230 VAC	460VAC	575VAC	H	W	D
Frame 4	1-4 HP	1-7.5 HP		21	9.375	9
Frame 5	5-10 HP	10-20 HP		28	11	10
Frame 6	15-20 HP	25-40 HP	3-30 HP	38	14	11
Frame 7	25-40 HP	50-75 HP	40-50 HP	45	16	11.75
Frame 8	50-75 HP	100-150 HP	60-100 HP	57	18	14

NEMA 3R NX_ Cool Blue Bypass or NEMA 3R Disconnect*							
	Frame Sizes by HP and Voltage			Dimensions (in)			
	208/230 VAC	460VAC	575VAC	H	W*	D	Weight (lb)
Frame 4	1-4 HP	1-7.5 HP		24	20	10	54
Frame 5	5-10 HP	10-20 HP		30	24	10	78
Frame 6	15-20 HP	25-40 HP	3-30 HP	36	30	12	124
Frame 7	25-40 HP	50-75 HP	40-50 HP	48	36	12	193
Frame 8	50-75 HP	100-150 HP	60-100 HP	60	36	14	440

* Add 5" to "W" Dimension for each Fan Shroud

NEMA 12 NX_ with Cool Blue Bypass or Disconnect*						
	Frame Sizes by HP and Voltage		Dimensions (in)			Weight (lb)
	208/230 VAC	460VAC	H	D	W	
Frame 4	1-4 HP	1-7.5 HP	36	10	16	53
Frame 5	5-7.5 HP	10-15 HP	36	10	16	64
Frame 5	10 HP	20 HP	44	10	16	70
Frame 6	15 HP	25-30 HP	50	10	16	120
Frame 6	20 HP	40 HP	54	10	20	136
Frame 7	25-30 HP	50-60 HP	58	10	20	150
Frame 7	40 HP	75 HP	64	12	24	200
Frame 8	50-75 HP	100-150 HP	48	14	40	350

*Note: For NEMA 3R and NEMA 12, dimensions are the same for bypass or disconnect.

Drives and Cool Blue Bypass

NXL Variable Frequency Drives with Cool Blue Bypass



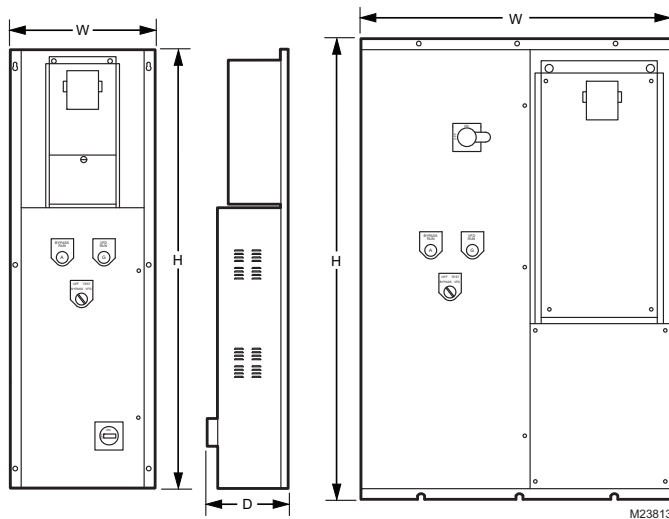
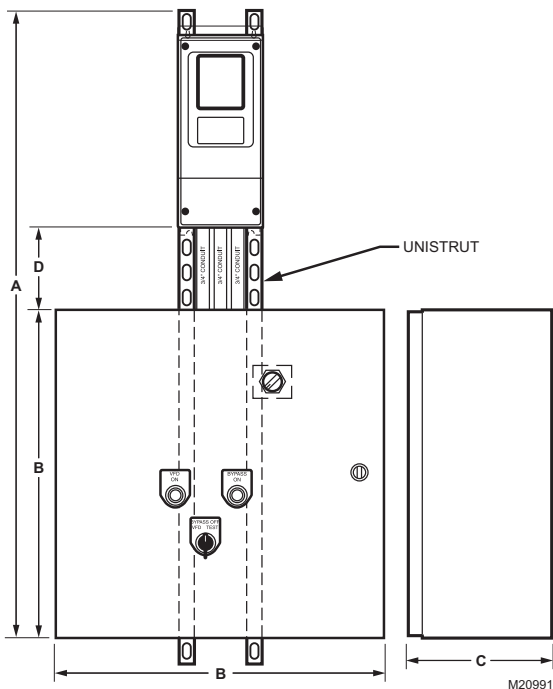
Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field programmed without any extra devices or computer connections.

- Multi-Control applications built in.
- Easy commissioning through software or control panel.
- Eleven protective functions (see Form 63-2599, Users Manual, Technical Data sections).
- NEMA 1 and NEMA 12 enclosures available.
- Insulated gate bi-polar transistor (IGBT) technology.
- Modbus Standard

Drive Family	NXL
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
Continuos 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, 2 seconds every 20 seconds
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature	High Overload 14 to 122; Low Overload 14 to 104; (High Overload -10 to 50); (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter
Layout	Vertical

Dimensions Diagram



Drives and Cool Blue Bypass

460 Volt - NEMA 1 Enclosure

Bypass Cool Blue

Product Number	Horse-power	Frame Type	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
										(inch)	(mm)	(lb)	(kg)
NXBJ0015CL10200000	1.5 HP	FR4	3.3 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0015CL103F1110	1.5 HP	FR4	3.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0020CL10200000	2 HP	FR4	4.3 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0020CL103F1110	2 HP	FR4	4.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0030CL10200000	3 HP	FR4	5.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0030CL103F1110	3 HP	FR4	5.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0040CL10200000	4 HP	FR4	7.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0040CL103F1110	4 HP	FR4	7.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0050CL10200000	5 HP	FR4	0.37 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0050CL103F1110	5 HP	FR4	0.37 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0075CL10200000	7.5 HP	FR4	0	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0075CL103F1110	7.5 HP	FR4	0	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0100CL10200000	10 HP	FR5	16 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBJ0100CL103F1110	10 HP	FR5	16 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0150CL10200000	15 HP	FR5	23 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0150CL103F1110	15 HP	FR5	23 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0200CL10200000	20 HP	FR5	31 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0200CL103F1110	20 HP	FR5	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0250CL10200000	25 HP	FR6	38 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBJ0250CL103F1110	25 HP	FR6	38 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0300CL10200000	30 HP	FR6	46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0300CL103F1110	30 HP	FR6	46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0400CL10200000	40 HP	FR6	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0400CL103F1110	40 HP	FR6	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

460 Volt - NEMA 1 Enclosure

Bypass Disconnect Only

Product Number	Horse-power	Frame Type	Amp Rating, lvt (A)	Control Trans-former	Dis-connect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
									(inch)	(mm)	(lb)	(kg)
NXBJ0015DL100F0000	1.5 HP	FR4	3.3 A	No	Fused Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0030DL100F0000	3 HP	FR4	5.6 A	No	Fused Disconnect	No	No	No				
NXBJ0075DL100F0000	7.5 HP	FR4	0	No	Fused Disconnect	No	No	No				
NXBJ0100DL100F0000	10 HP	FR4	16 A	No	Fused Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBJ0150DL100F0000	15 HP	FR4	23 A	No	Fused Disconnect	No	No	No				
NXBJ0200DL100F0000	20 HP	FR4	31 A	No	Fused Disconnect	No	No	No				
NXBJ0250DL100F0000	25 HP	FR4	38 A	No	Fused Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg

Drives and Cool Blue Bypass

460 Volt - NEMA 12 Enclosure

BypassCool Blue

Product Number	Horse-power	Frame Type	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
										(inch)	(mm)	(lb)	(kg)
NXBJ0015CL20200000	1.5 HP	FR4	3.3 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0015CL203F1110	1.5 HP	FR4	3.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0020CL20200000	2 HP	FR4	4.3 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0020CL203F1110	2 HP	FR4	4.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0030CL20200000	3 HP	FR4	5.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0030CL203F1110	3 HP	FR4	5.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0040CL20200000	4 HP	FR4	7.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0040CL203F1110	4 HP	FR4	7.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0050CL20200000	5 HP	FR4	0.37 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0050CL203F1110	5 HP	FR4	0.37 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0075CL20200000	7.5 HP	FR4	0	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBJ0075CL203F1110	7.5 HP	FR4	0	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0100CL20200000	10 HP	FR5	16 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0100CL203F1110	10 HP	FR5	16 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0150CL20200000	15 HP	FR5	23 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0150CL203F1110	15 HP	FR5	23 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0200CL20200000	20 HP	FR5	31 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBJ0200CL203F1110	20 HP	FR5	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0250CL20200000	25 HP	FR6	38 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0250CL203F1110	25 HP	FR6	38 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0300CL20200000	30 HP	FR6	46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0300CL203F1110	30 HP	FR6	46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0400CL20200000	40 HP	FR6	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0400CL203F1110	40 HP	FR6	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

NXS Variable Frequency Drives with Cool Blue Bypass



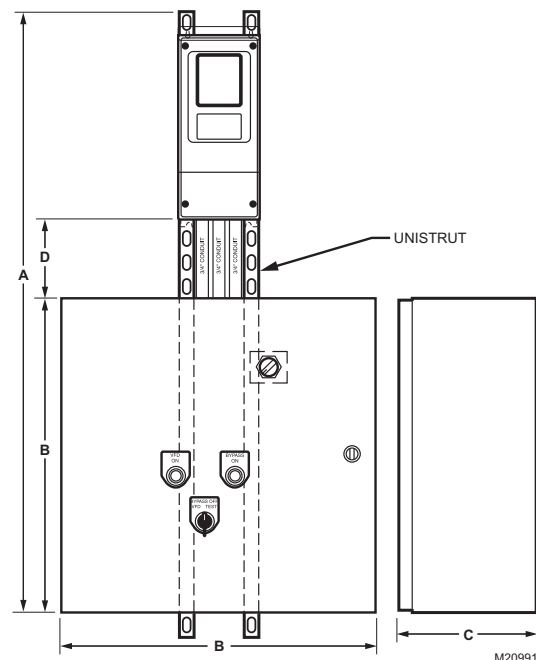
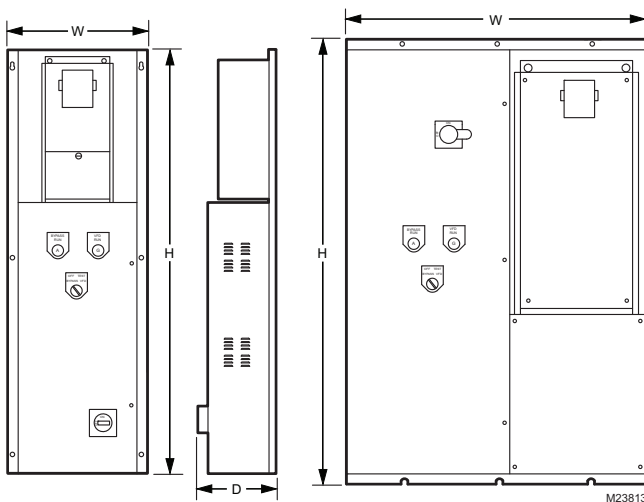
Variable Frequency Drives (VFD) accept a control input and then output tailored PWM control signal to operate (motors, fans, pumps, etc.) with maximum efficiency. The VFD can be field-programmed without any extra devices or computer connections.

- 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.
- Modbus, BacNet, Device Net, Profibus, LoxBus, NS available as options cards.

Drive Family	NXS
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, 2 seconds every 20 seconds
Starting Torque	200% High; 150% Low
Frequency	0 Hz to 320 Hz
Operating Temperature	High Overload 14 to 122; Low Overload 14 to 104; (High Overload -10 to 50); (Low Overload -10 to 40)
Type of RFI Filter	Industrial filter

Dimensions Diagram



Drives and Cool Blue Bypass

208 Volt

BypassCool Blue

Product Number	Horsepower	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBK0015CS10200000	1.5 HP	FR4	Vertical	NEMA 1	6.6 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBK0015CS103F1110	1.5 HP	FR4	Vertical	NEMA 1	6.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0015CS20200000	1.5 HP	FR4	Vertical	NEMA 12	6.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0015CS203F1110	1.5 HP	FR4	Vertical	NEMA 12	6.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0020CS10200000	2 HP	FR4	Vertical	NEMA 1	7.8 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0020CS103F1110	2 HP	FR4	Vertical	NEMA 1	7.8 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0020CS20200000	2 HP	FR4	Vertical	NEMA 12	7.8 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0020CS203F1110	2 HP	FR4	Vertical	NEMA 12	7.8 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0030CS10200000	3 HP	FR4	Vertical	NEMA 1	0.46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0030CS103F1110	3 HP	FR4	Vertical	NEMA 1	0.46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0030CS20200000	3 HP	FR4	Vertical	NEMA 12	0.46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0030CS203F1110	3 HP	FR4	Vertical	NEMA 12	0.46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0040CS10200000	4 HP	FR4	Vertical	NEMA 1	12.5 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBK0040CS103F1110	4 HP	FR4	Vertical	NEMA 1	12.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0040CS20200000	4 HP	FR4	Vertical	NEMA 12	12.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0040CS203F1110	4 HP	FR4	Vertical	NEMA 12	12.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0050CS10200000	5 HP	FR5	Vertical	NEMA 1	17.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0050CS103F1110	5 HP	FR5	Vertical	NEMA 1	17.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0050CS20200000	5 HP	FR5	Vertical	NEMA 12	17.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0050CS203F1110	5 HP	FR5	Vertical	NEMA 12	17.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0075CS10200000	7.5 HP	FR5	Vertical	NEMA 1	25 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0075CS103F1110	7.5 HP	FR5	Vertical	NEMA 1	25 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0075DS100F0000	7.5 HP	FR5	Vertical	NEMA 1	25 A	—	No	Fused Disconnect	No	No	No				
NXBK0075CS20200000	7.5 HP	FR5	Vertical	NEMA 12	25 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0075CS203F1110	7.5 HP	FR5	Vertical	NEMA 12	25 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0100CS10200000	10 HP	FR5	Vertical	NEMA 1	31 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBK0100CS103F1110	10 HP	FR5	Vertical	NEMA 1	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0100CS20200000	10 HP	FR5	Vertical	NEMA 12	31 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0100CS203F1110	10 HP	FR5	Vertical	NEMA 12	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0150CS10200000	15 HP	FR6	Vertical	NEMA 1	48 A	Two Contactor	No	No Disconnect	No	No	No				

Drives and Cool Blue Bypass

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBK0150CS103F1110	15 HP	FR6	Vertical	NEMA 1	48 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBK0150CS112F0010	15 HP	FR6	Vertical	NEMA 1	48 A	Two Contactor	No	Fused Disconnect	Yes	No	No				
NXBK0150CS20200000	15 HP	FR6	Vertical	NEMA 12	48 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0150CS203F1110	15 HP	FR6	Vertical	NEMA 12	48 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0200CS10200000	20 HP	FR6	Vertical	NEMA 1	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0200CS103F1110	20 HP	FR6	Vertical	NEMA 1	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0200CS20200000	20 HP	FR6	Vertical	NEMA 12	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0200CS203F1110	20 HP	FR6	Vertical	NEMA 12	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBK0250CS10200000	25 HP	FR7	Vertical	NEMA 1	75 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0250CS103F1110	25 HP	FR7	Vertical	NEMA 1	75 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0250CS20200000	25 HP	FR7	Vertical	NEMA 12	75 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0300CS10200000	30 HP	FR7	Vertical	NEMA 1	88 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0300CS103F1110	30 HP	FR7	Vertical	NEMA 1	88 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0300CS20200000	30 HP	FR7	Vertical	NEMA 12	88 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0400CS10200000	40 HP	FR8	Side by Side	NEMA 1	114 A	Two Contactor	No	No Disconnect	No	No	No	36 x 54 x 16	914.4 x 1371.6 x 406.4	360 lb	163.3 kg
NXBK0400CS103F1110	40 HP	FR8	Side by Side	NEMA 1	114 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0400CS20200000	40 HP	FR8	Side by Side	NEMA 12	114 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0500CS10200000	50 HP	FR8	Side by Side	NEMA 1	140 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0500CS103F1110	50 HP	FR8	Side by Side	NEMA 1	140 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0500CS20200000	50 HP	FR8	Side by Side	NEMA 12	140 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0600CS10200000	60 HP	FR8	Side by Side	NEMA 1	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0600CS103F1110	60 HP	FR8	Side by Side	NEMA 1	170 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0600CS20200000	60 HP	FR8	Side by Side	NEMA 12	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0750CS10200000	75 HP	FR8	Side by Side	NEMA 1	205 A	Two Contactor	No	No Disconnect	No	No	No				
NXBK0750CS103F1110	75 HP	FR8	Side by Side	NEMA 1	205 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBK0750CS20200000	75 HP	FR8	Side by Side	NEMA 12	205 A	Two Contactor	No	No Disconnect	No	No	No				

230Volt

Bypass Cool Blue

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBS0015CS10200000	1.5 HP	FR4	Vertical	NEMA 1	6.6 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBS0015CS103F1110	1.5 HP	FR4	Vertical	NEMA 1	6.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBS0015CS20200000	1.5 HP	FR4	Vertical	NEMA 12	6.6 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	
NXBS0015CS203F1110	1.5 HP	FR4	Vertical	NEMA 12	6.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0020CS10200000	2 HP	FR4	Vertical	NEMA 1	7.8 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0020CS103F1110	2 HP	FR4	Vertical	NEMA 1	7.8 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0020CS20200000	2 HP	FR4	Vertical	NEMA 12	7.8 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0020CS203F1110	2 HP	FR4	Vertical	NEMA 12	7.8 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0030CS10200000	3 HP	FR4	Vertical	NEMA 1	11.0 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0030CS103F1110	3 HP	FR4	Vertical	NEMA 1	11.0 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0030CS20200000	3 HP	FR4	Vertical	NEMA 12	11.0 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0030CS203F1110	3 HP	FR4	Vertical	NEMA 12	11.0 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0040CS10200000	4 HP	FR4	Vertical	NEMA 1	12.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0040CS103F1110	4 HP	FR4	Vertical	NEMA 1	12.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0040CS20200000	4 HP	FR4	Vertical	NEMA 12	12.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0040CS203F1110	4 HP	FR4	Vertical	NEMA 12	12.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0050CS10200000	5 HP	FR5	Vertical	NEMA 1	17.5 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBS0050CS103F1110	5 HP	FR5	Vertical	NEMA 1	17.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0050CS20200000	5 HP	FR5	Vertical	NEMA 12	17.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0050CS203F1110	5 HP	FR5	Vertical	NEMA 12	17.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0075CS10200000	7.5 HP	FR5	Vertical	NEMA 1	25 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0075CS103F1110	7.5 HP	FR5	Vertical	NEMA 1	25 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0075CS20200000	7.5 HP	FR5	Vertical	NEMA 12	25 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0075CS203F1110	7.5 HP	FR5	Vertical	NEMA 12	25 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0100CS10200000	10 HP	FR5	Vertical	NEMA 1	31 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0100CS103F1110	10 HP	FR5	Vertical	NEMA 1	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0100CS20200000	10 HP	FR5	Vertical	NEMA 12	31 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0100CS203F1110	10 HP	FR5	Vertical	NEMA 12	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0150CS10200000	15 HP	FR6	Vertical	NEMA 1	48 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBS0150CS103F1110	15 HP	FR6	Vertical	NEMA 1	48 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0150CS20200000	15 HP	FR6	Vertical	NEMA 12	48 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0150CS203F1110	15 HP	FR6	Vertical	NEMA 12	48 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0200CS10200000	20 HP	FR6	Vertical	NEMA 1	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0200CS103F1110	20 HP	FR6	Vertical	NEMA 1	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0200CS20200000	20 HP	FR6	Vertical	NEMA 12	61 A	Two Contactor	No	No Disconnect	No	No	No				

Drives and Cool Blue Bypass

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Disconne ct	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBS0200CS203F1110	20 HP	FR6	Vertical	NEMA 12	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBS0250CS10200000	25 HP	FR7	Vertical	NEMA 1	75 A	Two Contactor	No	No Disconnect	No	No	No	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBS0250CS103F1110	25 HP	FR7	Vertical	NEMA 1	75 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0250CS20200000	25 HP	FR7	Vertical	NEMA 12	75 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0300CS10200000	30 HP	FR7	Vertical	NEMA 1	88 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0300CS103F1110	30 HP	FR7	Vertical	NEMA 1	88 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0300CS20200000	30 HP	FR7	Vertical	NEMA 12	88 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0400CS10200000	40 HP	FR8	Side by Side	NEMA 1	114 A	Two Contactor	No	No Disconnect	No	No	No	36 x 54 x 16	914.4 x 1371.6 x 406.4	360 lb	163.3 kg
NXBS0400CS103F1110	40 HP	FR8	Side by Side	NEMA 1	114 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0400CS20200000	40 HP	FR8	Side by Side	NEMA 12	114 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0500CS10200000	50 HP	FR8	Side by Side	NEMA 1	140 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0500CS103F1110	50 HP	FR8	Side by Side	NEMA 1	140 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0500CS20200000	50 HP	FR8	Side by Side	NEMA 12	140 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0600CS10200000	60 HP	FR8	Side by Side	NEMA 1	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0600CS103F1110	60 HP	FR8	Side by Side	NEMA 1	170 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0600CS20200000	60 HP	FR8	Side by Side	NEMA 12	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0750CS10200000	75 HP	FR8	Side by Side	NEMA 1	205 A	Two Contactor	No	No Disconnect	No	No	No				
NXBS0750CS103F1110	75 HP	FR8	Side by Side	NEMA 1	205 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBS0750CS20200000	75 HP	FR8	Side by Side	NEMA 12	205 A	Two Contactor	No	No Disconnect	No	No	No				

230Volt

Bypass Disconnect only

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Control Trans-former	Dis-connect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
											(inch)	(mm)	(lb)	(kg)
NXBS0030DS100F0000	3 HP	FR4	Vertical	NEMA 1	11.0 A	No	Fused Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBS0200DS100F0000	20 HP	FR5	Vertical	NEMA 1	61 A	No	Fused Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg

460 Volt

Bypass Cool Blue

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Dis-connect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBJ0015CS10200000	1.5 HP	FR4	Vertical	NEMA 1	3.3 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0015CS103F1110	1.5 HP	FR4	Vertical	NEMA 1	3.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0015CS20200000	1.5 HP	FR4	Vertical	NEMA 12	3.3 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0015CS203F1110	1.5 HP	FR4	Vertical	NEMA 12	3.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

Product Number	Horsepower	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBJ0020CS10200000	2 HP	FR4	Vertical	NEMA 1	4.3 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0020CS103F1110	2 HP	FR4	Vertical	NEMA 1	4.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0020CS20200000	2 HP	FR4	Vertical	NEMA 12	4.3 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0020CS203F1110	2 HP	FR4	Vertical	NEMA 12	4.3 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0030CS10200000	3 HP	FR4	Vertical	NEMA 1	5.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0030CS103F1110	3 HP	FR4	Vertical	NEMA 1	5.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0030CS20200000	3 HP	FR4	Vertical	NEMA 12	5.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0030CS203F1110	3 HP	FR4	Vertical	NEMA 12	5.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0040CS10200000	4 HP	FR4	Vertical	NEMA 1	7.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0040CS103F1110	4 HP	FR4	Vertical	NEMA 1	7.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0040CS20200000	4 HP	FR4	Vertical	NEMA 12	7.6 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0040CS203F1110	4 HP	FR4	Vertical	NEMA 12	7.6 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0050CS10200000	5 HP	FR4	Vertical	NEMA 1	0.37 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0050CS103F1110	5 HP	FR4	Vertical	NEMA 1	0.37 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0050CS20200000	5 HP	FR4	Vertical	NEMA 12	0.37 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0050CS203F1110	5 HP	FR4	Vertical	NEMA 12	0.37 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0050CS30200000	5 HP	FR4	Vertical	NEMA 3R	0.37 A	Two Contactor	No	No Disconnect	No	No	No	20 x 24 x 10	500 x 600 x 250	54 lb	24.5 kg
NXBJ0075CS10200000	7.5 HP	FR4	Vertical	NEMA 1	0	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0075CS103F1110	7.5 HP	FR4	Vertical	NEMA 1	0	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0075CS113F1110	7.5 HP	FR4	Vertical	NEMA 1	0	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0075CS20200000	7.5 HP	FR4	Vertical	NEMA 12	0	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0075CS203F1110	7.5 HP	FR4	Vertical	NEMA 12	0	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0100CS10200000	10 HP	FR5	Vertical	NEMA 1	16 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBJ0100CS103F1110	10 HP	FR5	Vertical	NEMA 1	16 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0100CS113F1110	10 HP	FR5	Vertical	NEMA 1	16 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0100CS20200000	10 HP	FR5	Vertical	NEMA 12	16 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0100CS203F1110	10 HP	FR5	Vertical	NEMA 12	16 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0150CS10200000	15 HP	FR5	Vertical	NEMA 1	23 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0150CS10200011	15 HP	FR5	Vertical	NEMA 1	23 A	Two Contactor	No	No Disconnect	Yes	Yes	No				
NXBJ0150CS103F1110	15 HP	FR5	Vertical	NEMA 1	23 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0150CS113F1110	15 HP	FR5	Vertical	NEMA 1	23 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0150CS20200000	15 HP	FR5	Vertical	NEMA 12	23 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0150CS203F1110	15 HP	FR5	Vertical	NEMA 12	23 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

Product Number	Horsepower	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBJ0150CS30200000	15 HP	FR5	Vertical	NEMA 3R	23 A	Two Contactor	No	No Disconnect	No	No	No	24 x 30 x 10	600 x 750 x 250	78 lb	35.4 kg
NXBJ0200CS10200000	20 HP	FR5	Vertical	NEMA 1	31 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBJ0200CS10200011	20 HP	FR5	Vertical	NEMA 1	31 A	Two Contactor	No	Circuit Breaker	Yes	Yes	No				
NXBJ0200CS103F1110	20 HP	FR5	Vertical	NEMA 1	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0200CS20200000	20 HP	FR5	Vertical	NEMA 12	31 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0200CS203F1110	20 HP	FR5	Vertical	NEMA 12	31 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0200CS60200000	20 HP	FR5	Vertical	NEMA 3R with Cooling Fan and Heat Strip	31 A	Two Contactor	No	No Disconnect	No	No	No	24 x 30 x 10	600 x 750 x 250	78 lb	35.4 kg
NXBJ0250CS10200000	25 HP	FR6	Vertical	NEMA 1	38 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBJ0250CS103F1110	25 HP	FR6	Vertical	NEMA 1	38 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0250CS20200000	25 HP	FR6	Vertical	NEMA 12	38 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0250CS203F1110	25 HP	FR6	Vertical	NEMA 12	38 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0300CS10200000	30 HP	FR6	Vertical	NEMA 1	46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0300CS10200011	30 HP	FR6	Vertical	NEMA 1	46 A	Two Contactor	No	No Disconnect	Yes	Yes	No				
NXBJ0300CS103F1110	30 HP	FR6	Vertical	NEMA 1	46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0300CS20200000	30 HP	FR6	Vertical	NEMA 12	46 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0300CS203F1110	30 HP	FR6	Vertical	NEMA 12	46 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0400CS10200000	40 HP	FR6	Vertical	NEMA 1	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0400CS103F1110	40 HP	FR6	Vertical	NEMA 1	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBJ0400CS20200000	40 HP	FR6	Vertical	NEMA 12	61 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0400CS203F1110	40 HP	FR6	Vertical	NEMA 12	61 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0500CS10200000	50 HP	FR7	Vertical	NEMA 1	72 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0500CS10200011	50 HP	FR7	Vertical	NEMA 1	72 A	Two Contactor	No	No Disconnect	Yes	Yes	No				
NXBJ0500CS103F1110	50 HP	FR7	Vertical	NEMA 1	72 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0500CS20200000	50 HP	FR7	Vertical	NEMA 12	72 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0500CS203F1110	50 HP	FR7	Vertical	NEMA 12	72 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0600CS10200000	60 HP	FR7	Vertical	NEMA 1	87 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0600CS103F1110	60 HP	FR7	Vertical	NEMA 1	87 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0600CS20200000	60 HP	FR7	Vertical	NEMA 12	87 A	Two Contactor	No	No Disconnect	No	No	No	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBJ0600CS203F1110	60 HP	FR7	Vertical	NEMA 12	87 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ0750CS10200000	75 HP	FR7	Vertical	NEMA 1	105 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ0750CS103F1110	75 HP	FR7	Vertical	NEMA 1	105 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Dis-connect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBJ0750CS20200000	75 HP	FR7	Vertical	NEMA 12	105 A	Two Contactor	No	No Disconnect	No	No	No	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBJ0750CS203F1110	75 HP	FR7	Vertical	NEMA 12	105 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1000CS10200000	100 HP	FR8	Side by Side	NEMA 1	140 A	Two Contactor	No	No Disconnect	No	No	No	36 x 54 x 16	900 x 1350 x 400	360 lb	163.3 kg
NXBJ1000CS103F1110	100 HP	FR8	Side by Side	NEMA 1	140 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1000CS20200000	100 HP	FR8	Side by Side	NEMA 12	140 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ1000CS203F1110	100 HP	FR8	Side by Side	NEMA 12	140 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1250CS10200000	125 HP	FR8	Side by Side	NEMA 1	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ1250CS103F1110	125 HP	FR8	Side by Side	NEMA 1	170 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1250CS20200000	125 HP	FR8	Side by Side	NEMA 12	170 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ1250CS203F1110	125 HP	FR8	Side by Side	NEMA 12	170 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1500CS10200000	150 HP	FR8	Side by Side	NEMA 1	205 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ1500CS103F1110	150 HP	FR8	Side by Side	NEMA 1	205 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBJ1500CS20200000	150 HP	FR8	Side by Side	NEMA 12	205 A	Two Contactor	No	No Disconnect	No	No	No				
NXBJ1500CS203F1110	150 HP	FR8	Side by Side	NEMA 12	205 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

460 Volt

BypassDisconnect only

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Control Trans-former	Dis-connect Type	Drive Input Dis-connect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
											(inch)	(mm)	(lb)	(kg)
NXBJ0150DS300F0000	15 HP	Call Customer Care	Vertical	NEMA 3R	23 A	No	Fused Disconnect	No	No	No	Call Customer Care		Call Customer Care	
NXBJ0200DS300F0000	20 HP	Call Customer Care	Vertical	NEMA 3R	31 A	No	Fused Disconnect	No	No	No	Call Customer Care		Call Customer Care	
NXBJ0400DS100F0000	40 HP	FR4	Vertical	NEMA 1	61 A	No	Fused Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBJ0600DS100F0000	60 HP	FR7	Vertical	NEMA 1	87 A	No	Fused Disconnect	No	No	No	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg

575 Volt

BypassCool Blue

Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Cont-actor	Control Trans-former	Dis-connect Type	Drive Input Dis-connect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBL0030CS10200000	3 HP	FR4	Vertical	NEMA 1	4.5 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBL0030CS103F1110	3 HP	FR4	Vertical	NEMA 1	4.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0030CS20200000	3 HP	FR4	Vertical	NEMA 12	4.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0030CS203F1110	3 HP	FR4	Vertical	NEMA 12	4.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0040CS10200000	4 HP	FR4	Vertical	NEMA 1	5.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0040CS103F1110	4 HP	FR4	Vertical	NEMA 1	5.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

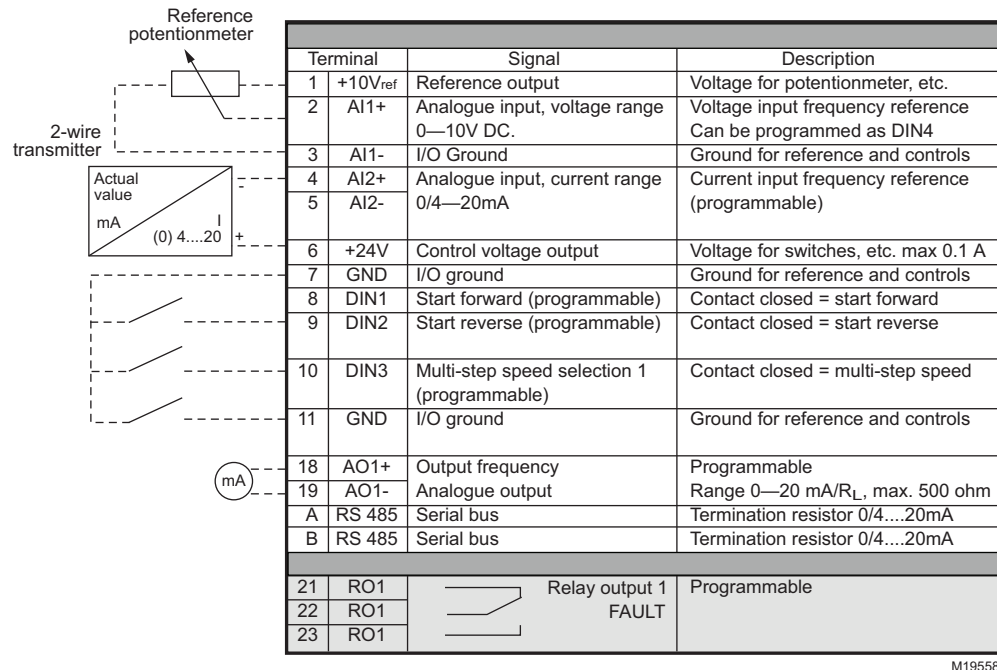
Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBL0040CS20200000	4 HP	FR4	Vertical	NEMA 12	5.5 A	Two Contactor	No	No Disconnect	No	No	No	9.5 x 40 x 9.5	237.5 x 1000 x 237.5	43 lb	19.5 kg
NXBL0040CS203F1110	4 HP	FR4	Vertical	NEMA 12	5.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0050CS10200000	5 HP	FR4	Vertical	NEMA 1	7.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0050CS103F1110	5 HP	FR4	Vertical	NEMA 1	7.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0050CS20200000	5 HP	FR4	Vertical	NEMA 12	7.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0050CS203F1110	5 HP	FR4	Vertical	NEMA 12	7.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0075CS10200000	7.5 HP	FR4	Vertical	NEMA 1	0.42 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0075CS103F1110	7.5 HP	FR4	Vertical	NEMA 1	0.42 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0075CS20200000	7.5 HP	FR4	Vertical	NEMA 12	0.42 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0075CS203F1110	7.5 HP	FR4	Vertical	NEMA 12	0.42 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0100CS10200000	10 HP	FR5	Vertical	NEMA 1	13.5 A	Two Contactor	No	No Disconnect	No	No	No	11 x 46 x 10.5	275 x 1150 x 262.5	62 lb	28.1 kg
NXBL0100CS103F1110	10 HP	FR5	Vertical	NEMA 1	13.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0100CS20200000	10 HP	FR5	Vertical	NEMA 12	13.5 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0100CS203F1110	10 HP	FR5	Vertical	NEMA 12	13.5 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0150CS10200000	15 HP	FR5	Vertical	NEMA 1	18 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0150CS103F1110	15 HP	FR5	Vertical	NEMA 1	18 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0150CS20200000	15 HP	FR5	Vertical	NEMA 12	18 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0150CS203F1110	15 HP	FR5	Vertical	NEMA 12	18 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0200CS10200000	20 HP	FR5	Vertical	NEMA 1	22 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0200CS103F1110	20 HP	FR5	Vertical	NEMA 1	22 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0200CS20200000	20 HP	FR5	Vertical	NEMA 12	22 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBL0200CS203F1110	20 HP	FR5	Vertical	NEMA 12	22 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0250CS10200000	25 HP	FR6	Vertical	NEMA 1	27 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0250CS103F1110	25 HP	FR6	Vertical	NEMA 1	27 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0250CS20200000	25 HP	FR6	Vertical	NEMA 12	27 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0250CS203F1110	25 HP	FR6	Vertical	NEMA 12	27 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0300CS10200000	30 HP	FR6	Vertical	NEMA 1	34 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0300CS103F1110	30 HP	FR6	Vertical	NEMA 1	34 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0300CS20200000	30 HP	FR6	Vertical	NEMA 12	34 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0300CS203F1110	30 HP	FR6	Vertical	NEMA 12	34 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0400CS10200000	40 HP	FR6	Vertical	NEMA 1	41 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0400CS103F1110	40 HP	FR6	Vertical	NEMA 1	41 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Drives and Cool Blue Bypass

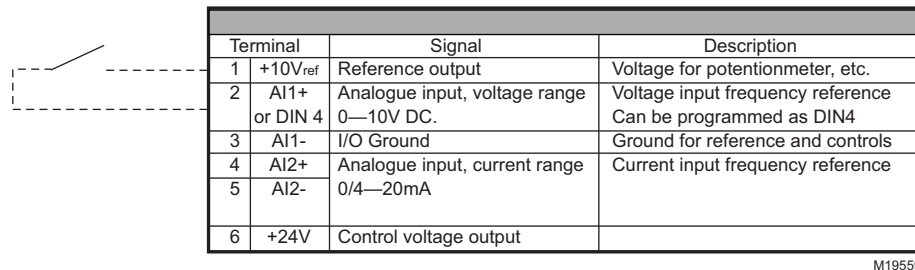
Product Number	Horse-power	Frame Type	Layout	Type of Enclosure	Amp Rating, lvt (A)	Contactor	Control Transformer	Disconnect Type	Drive Input Disconnect	Drive Input Fuses	Pilot Lights	Dimensions, Approximate		Weight	
												(inch)	(mm)	(lb)	(kg)
NXBL0400CS20200000	40 HP	FR6	Vertical	NEMA 12	41 A	Two Contactor	No	No Disconnect	No	No	No	14 x 53 x 12	350 x 1325 x 300	99 lb	44.9 kg
NXBL0400CS203F1110	40 HP	FR6	Vertical	NEMA 12	41 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0500CS10200000	50 HP	FR7	Vertical	NEMA 1	52 A	Two Contactor	No	No Disconnect	No	No	No	16 x 62 x 13	400 x 1550 x 325	154 lb	69.8 kg
NXBL0500CS103F1110	50 HP	FR7	Vertical	NEMA 1	52 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0500CS20200000	50 HP	FR7	Vertical	NEMA 12	52 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0500CS203F1110	50 HP	FR7	Vertical	NEMA 12	52 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0600CS10200000	60 HP	FR7	Vertical	NEMA 1	62 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0600CS103F1110	60 HP	FR7	Vertical	NEMA 1	62 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0600CS20200000	60 HP	FR7	Vertical	NEMA 12	62 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0600CS203F1110	60 HP	FR7	Vertical	NEMA 12	62 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0750CS10200000	75 HP	FR7	Vertical	NEMA 1	80 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0750CS103F1110	75 HP	FR7	Vertical	NEMA 1	80 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL0750CS20200000	75 HP	FR7	Vertical	NEMA 12	80 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL0750CS203F1110	75 HP	FR7	Vertical	NEMA 12	80 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1000CS10200000	100 HP	FR8	Side by Side	NEMA 1	100 A	Two Contactor	No	No Disconnect	No	No	No	36 x 54 x 16	900 x 1350 x 400	360 lb	163.3 kg
NXBL1000CS103F1110	100 HP	FR8	Side by Side	NEMA 1	100 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1000CS20200000	100 HP	FR8	Side by Side	NEMA 12	100 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL1000CS203F1110	100 HP	FR8	Side by Side	NEMA 12	100 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1250CS10200000	125 HP	FR8	Side by Side	NEMA 1	125 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL1250CS103F1110	125 HP	FR8	Side by Side	NEMA 1	125 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1250CS20200000	125 HP	FR8	Side by Side	NEMA 12	125 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL1250CS203F1110	125 HP	FR8	Side by Side	NEMA 12	125 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1500CS10200000	150 HP	FR8	Side by Side	NEMA 1	144 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL1500CS103F1110	150 HP	FR8	Side by Side	NEMA 1	144 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				
NXBL1500CS20200000	150 HP	FR8	Side by Side	NEMA 12	144 A	Two Contactor	No	No Disconnect	No	No	No				
NXBL1500CS203F1110	150 HP	FR8	Side by Side	NEMA 12	144 A	Three Contactor	Yes	Fused Disconnect	Yes	No	Yes				

Wiring Diagrams

NXL Drive only

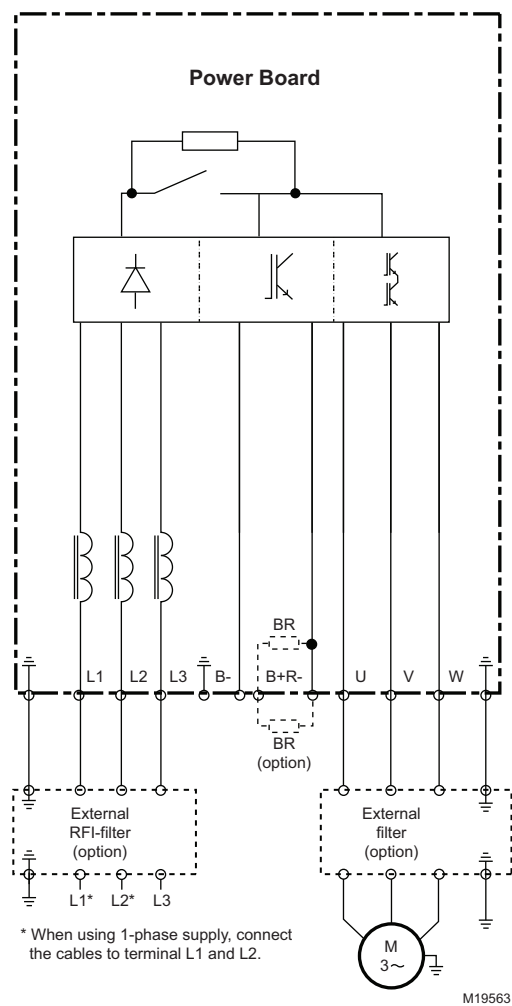


Multicontrol application default I/O configuration (with 2-wire transmitter)



The programming of AI1 as DIN4

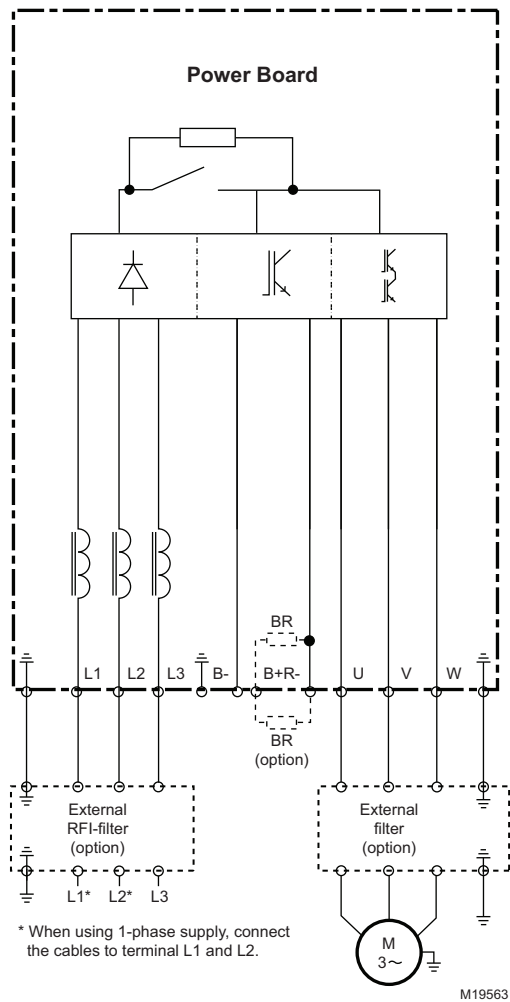
Wiring Diagrams



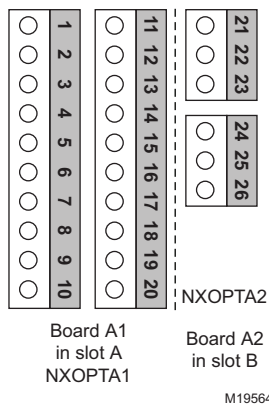
Principal Wiring diagram of NXL5 power unit, MF4 to MF5

Wiring Diagrams

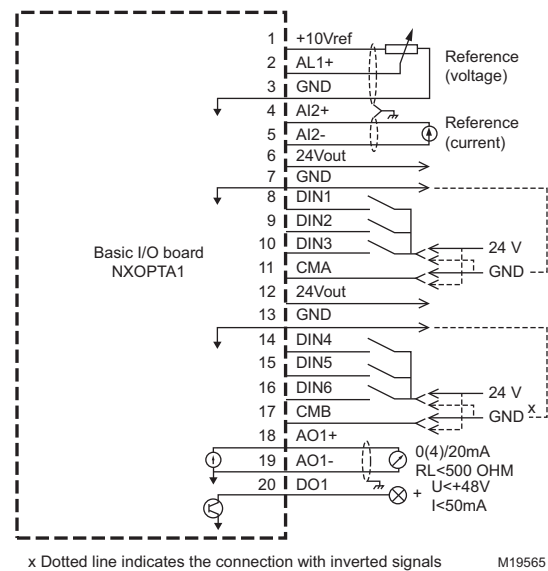
NXS/NXP Drive only



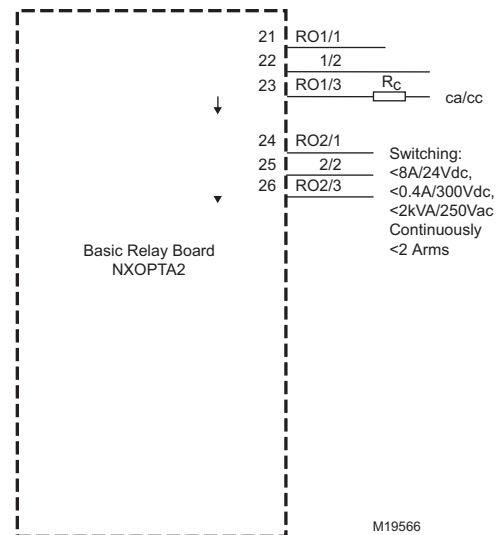
Principal wiring diagram for NX5 power unit, Fr4 to FR6



The I/O terminals of the two basic boards

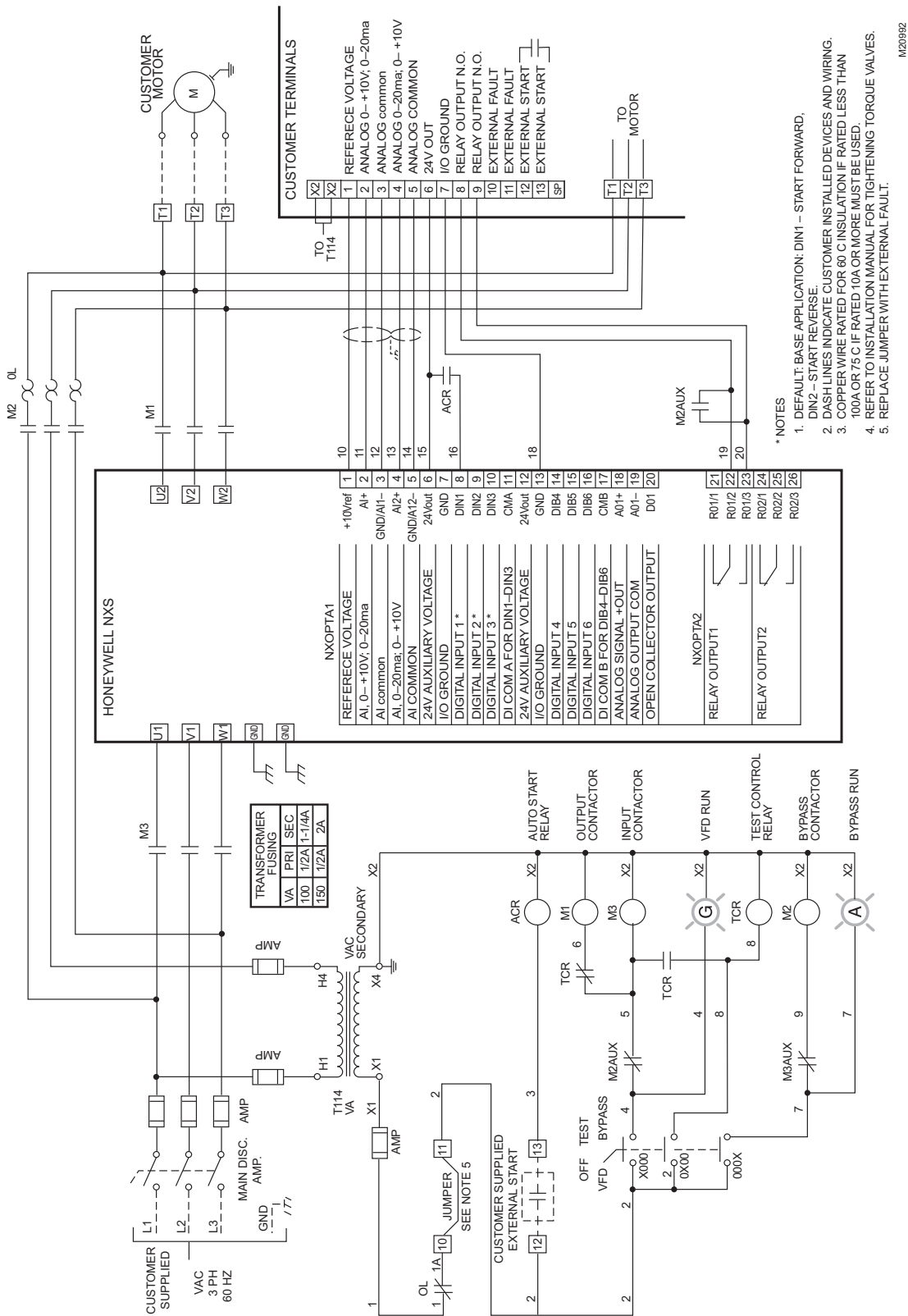


General wiring diagram of the basic I/O board (NXOPTA1)



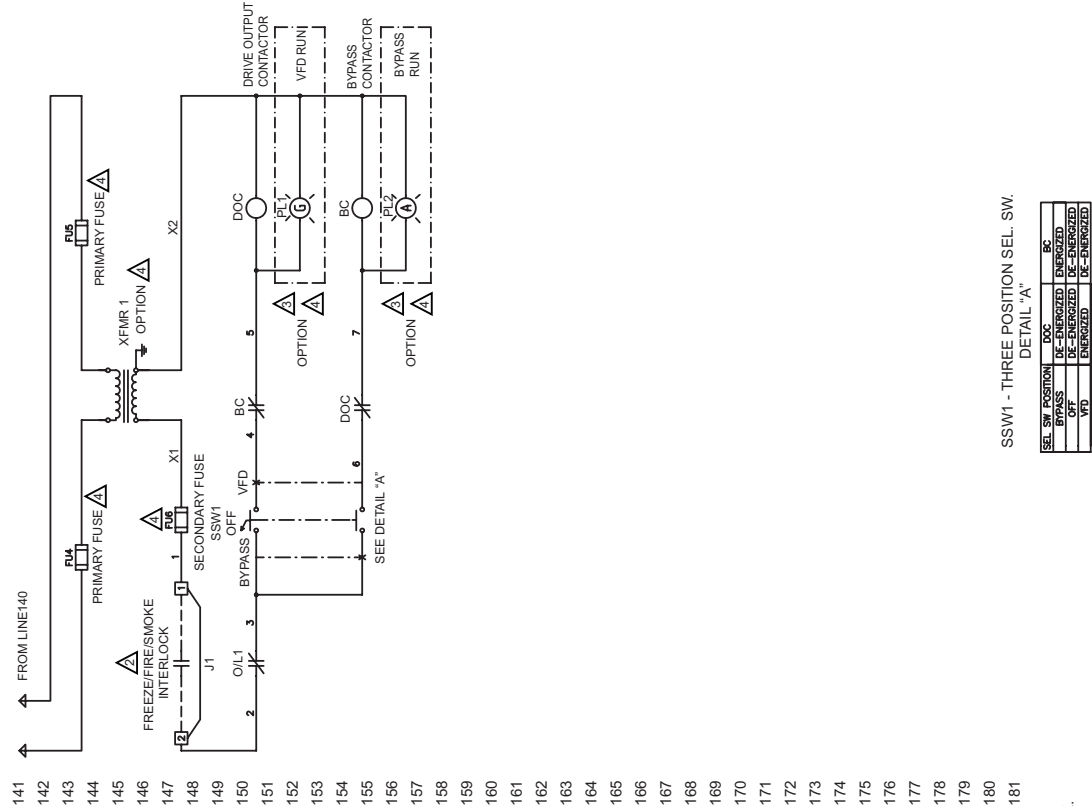
General wiring darkroom of the basic relay board (NXOPTA2)

Wiring Diagrams



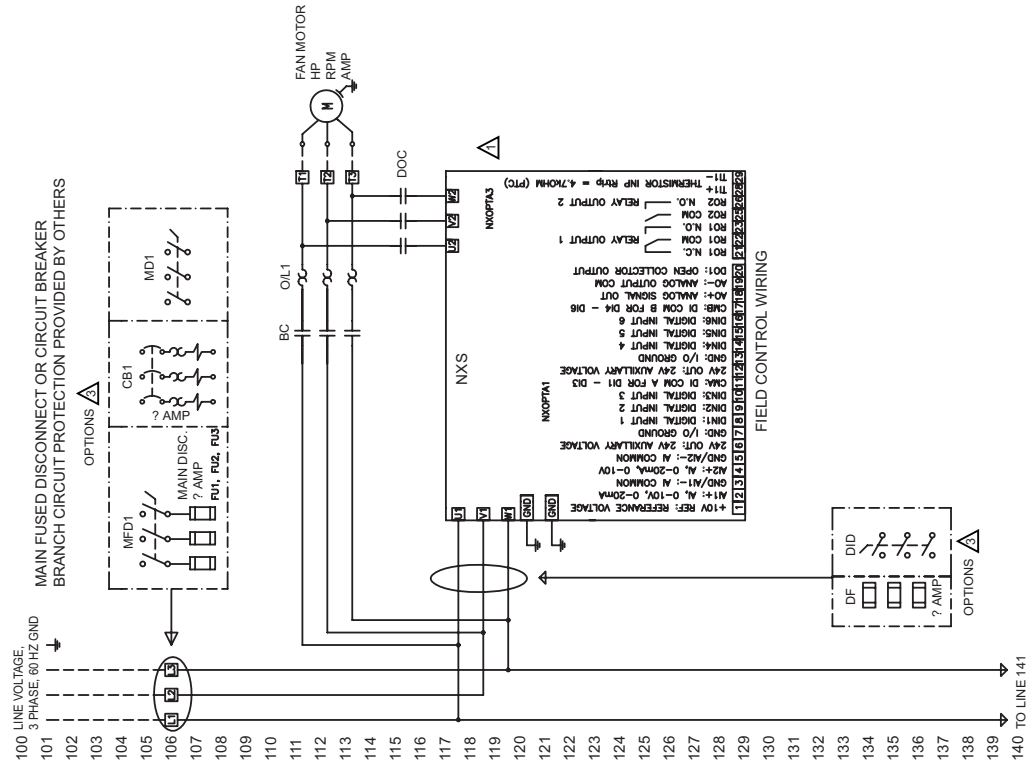
Wiring Diagram for NXS or NXP Drive with by-pass

Drive and Cool Blue by-pass



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

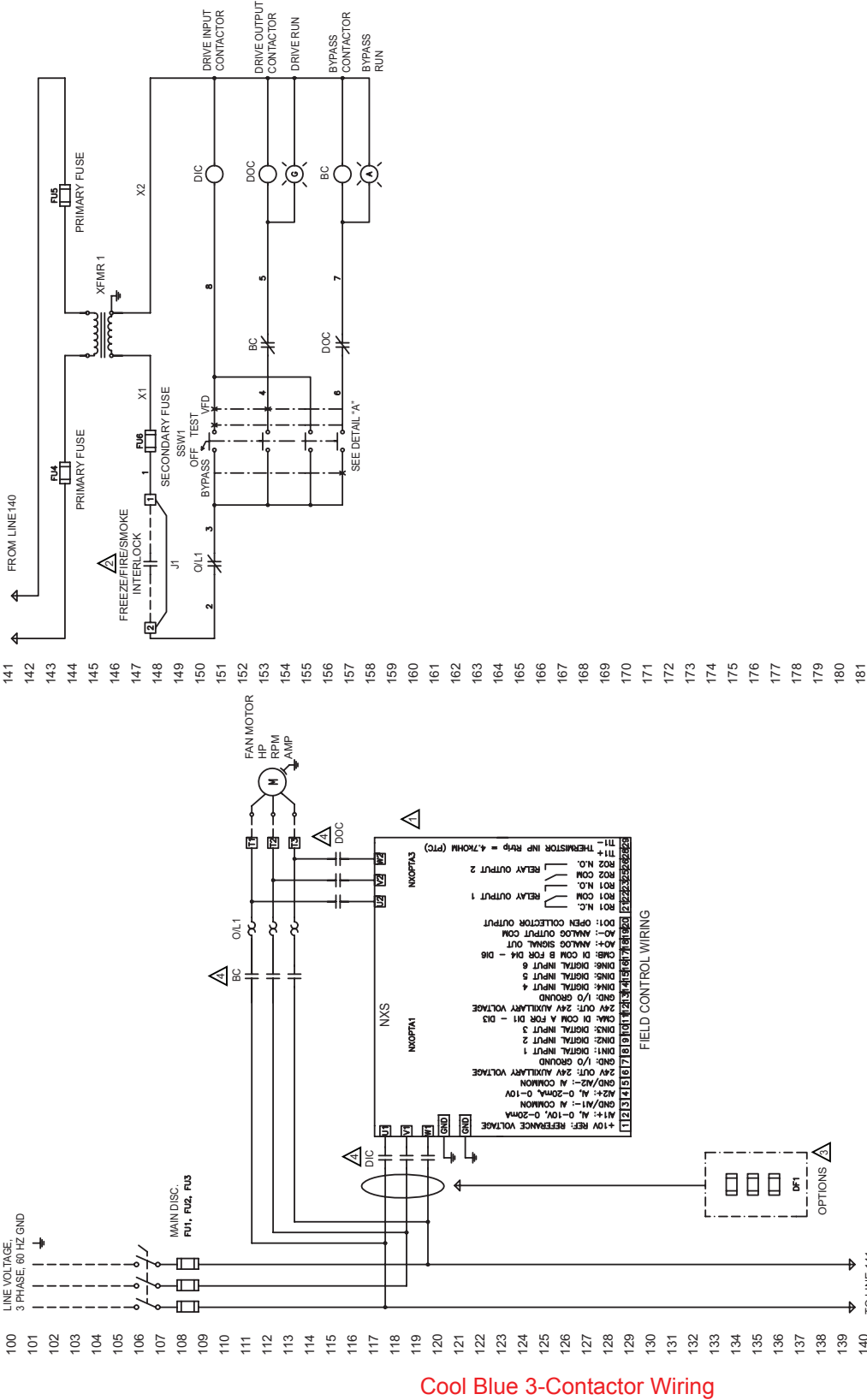
SEL. SW. POSITION	DO	DO	DO
OFF	DO	DO	DO
ON	DO	DO	DO
BYPASS	DO	DO	DO



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

Wiring Diagrams

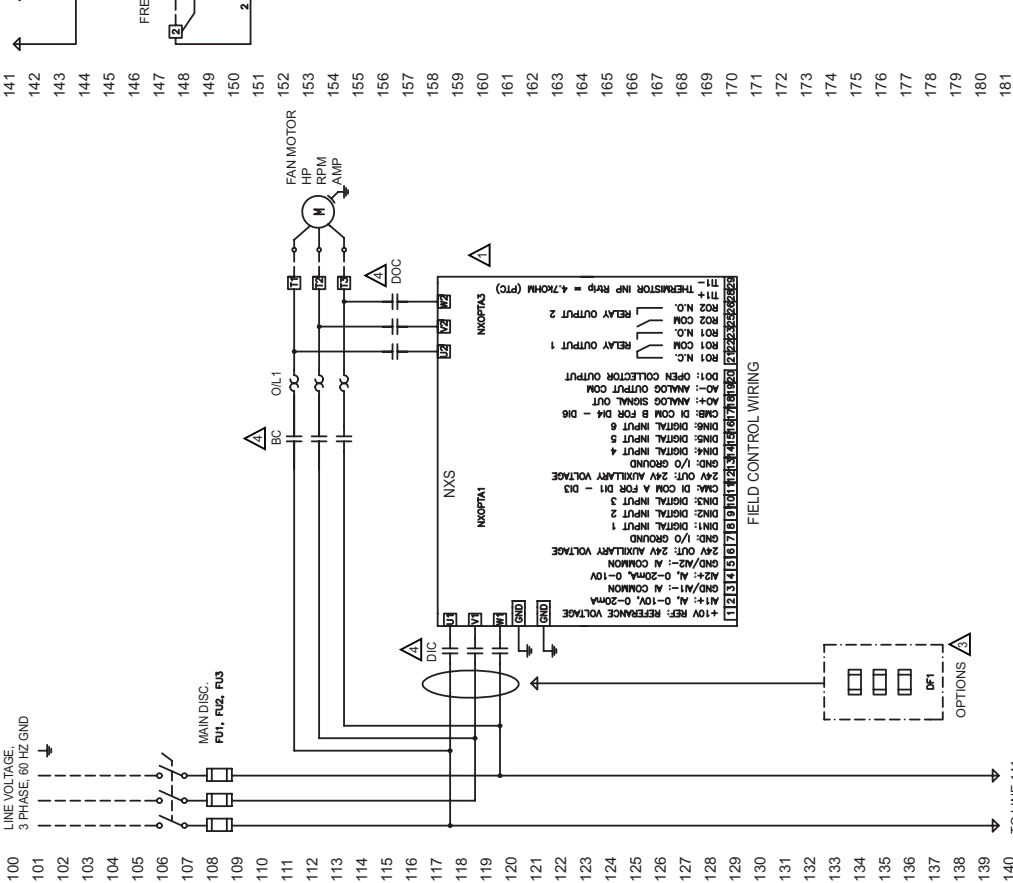


SSW1 - FOUR POSITION SEL. SW.
DETAIL "B"

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



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

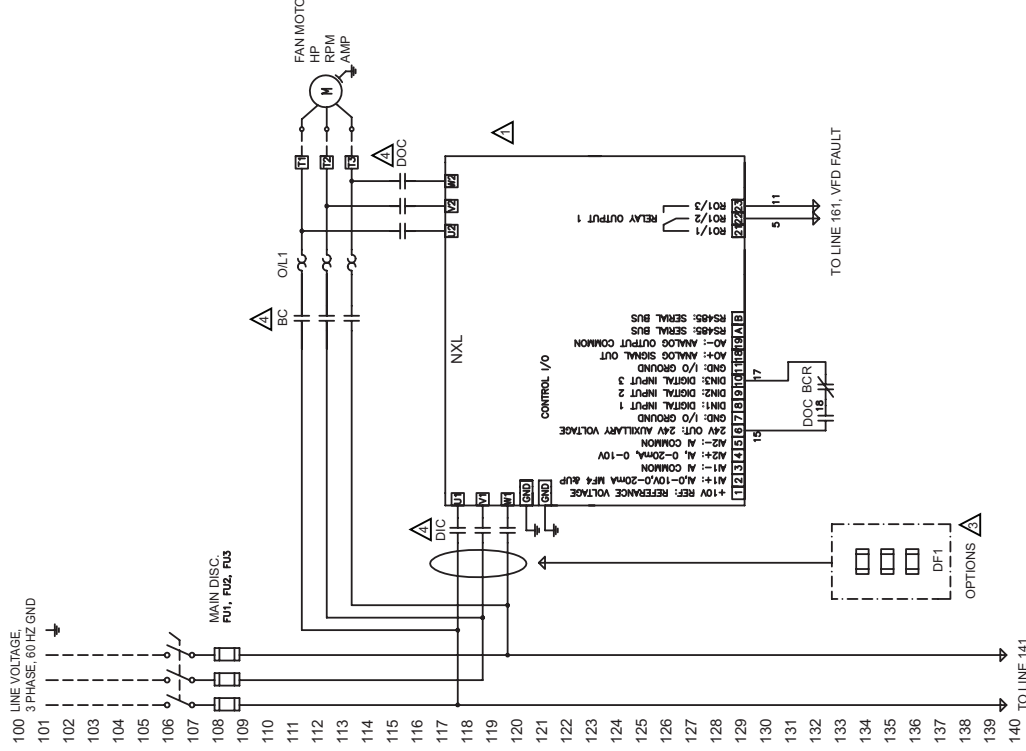
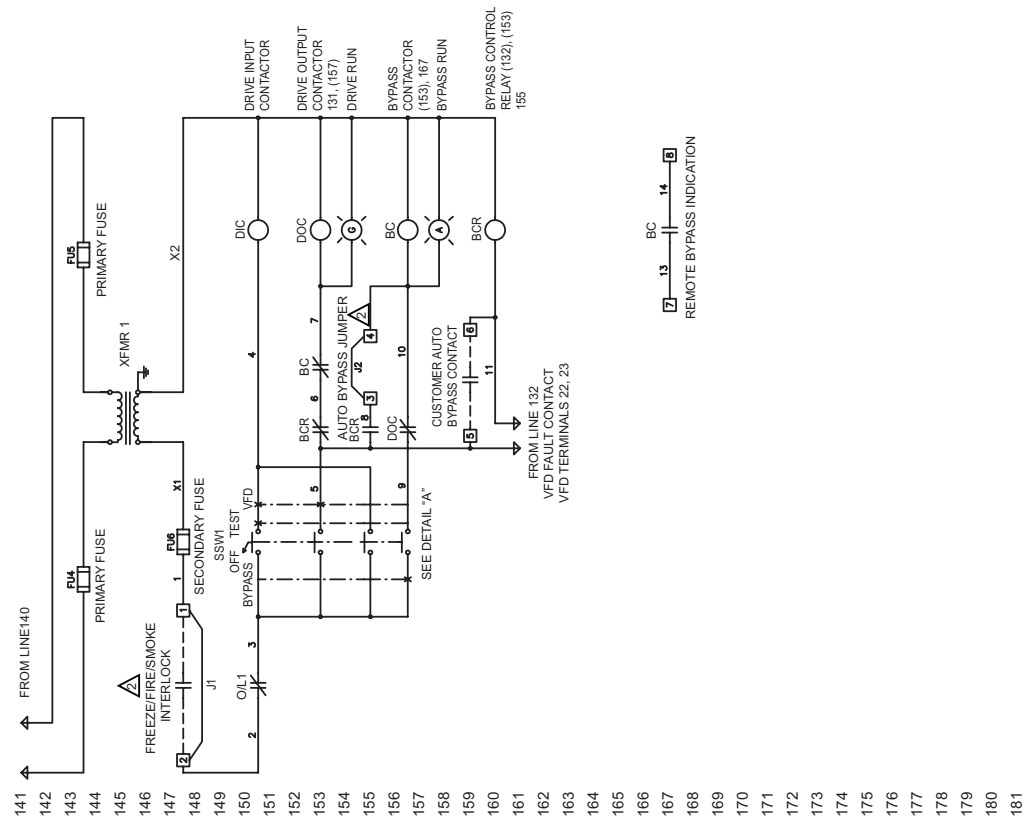
SEL SW POSITION	DC	DOC	BC
OFF	DE-ENERGIZED	DE-ENERGIZED	DE-ENERGIZED
TEST	ENERGIZED	DE-ENERGIZED	DE-ENERGIZED
VFD	ENERGIZED	ENERGIZED	DE-ENERGIZED
BYPASS	DE-ENERGIZED	DE-ENERGIZED	DE-ENERGIZED

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

M13791

Cool Blue 3-Contactor Wiring

- △ DEFAULT, BASIC APPLICATION: - DN1 - START FORWARD, DN2 - START REVERSE, DN3 - EXT FAULT
- △ 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	DIC	DOC	BC
BYPASS	DE-ENERGIZED	DE-ENERGIZED	ENERGIZED
TEST	DE-ENERGIZED	DE-ENERGIZED	DE-ENERGIZED
VFD	ENERGIZED	ENERGIZED	DE-ENERGIZED

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®, PRO 4000, PRO 3000, LineVolt™ PRO, Digital Round™, and Modern Round™ (T87K, N) Series Thermostats with a date code of 0501 or later: sixty (60) months from date of installation. CommercialPRO, PRO 2000 and PRO 1000 thermostats: twenty-four (24) months from date of installation. AUBE branded thermostats, timers, and switches: thirty-six (36) months from date of installation. All other Honeywell thermostats and 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. 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 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 misapplications.

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
1985 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
1985 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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The Honeywell logo, consisting of the word "Honeywell" in a bold, red, sans-serif typeface.