



QUICK SELECTION GUIDE

Honeywell NX Series

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

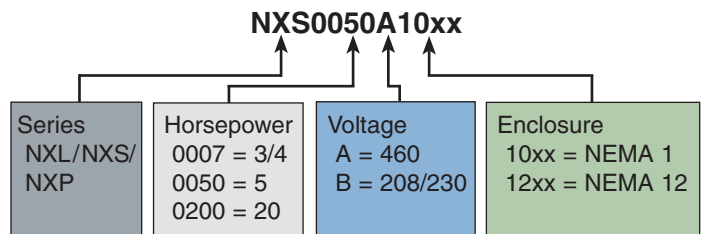
When selecting by Hp — and the drive is to be used with a motor with 8 poles or more — verify the current capacity of the drive is sufficient. The NX drives are suitable for multi-motor applications. The total value of the rated motor currents must then be less than the rated drive current.

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.




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	FR4
NXS0020A1000	NXS0020A1208	2	4.3	FR4
NXS0030A1008	NXS0030A1206	3	5.6	FR4
NXS0040A1006	NXS0040A1204	4	7.6	FR4
NXS0050A1003	NXS0050A1201	5	9	FR4
NXS0075A1004	NXS0075A1202	7.5	12	FR4
NXS0100A1003	NXS0100A1201	10	16	FR5
NXS0150A1002	NXS0150A1200	15	23	FR5
NXS0200A1002	NXS0200A1200	20	31	FR5
NXS0250A1001	NXS0250A1209	25	38	FR6
NXS0300A1001	NXS0300A1209	30	46	FR6
NXS0400A1000	NXS0400A1208	40	61	FR6
NXS0500A1009	NXS0500A1207	50	72	FR7
NXS0600A1008	NXS0600A1206	60	87	FR7
NXS0750A1006	NXS0750A1204	75	105	FR7
NXS1000A1002	NXS1000A1200	100	140	FR8
NXS1250A1009	NXS1250A1207	125	170	FR8
NXS1500A1007	NXS1500A1205	150	205	FR8
NXS2000A1000	-----	200	261	FR9
NXS2500A1005	-----	250	300	FR9
NXP3000A1003	-----	300	385	FR10
NXP3500A1008	-----	350	460	FR10
NXP4500A1006	-----	450	520	FR10

↑ ↑ To select an integral bypass and drive combination: Replace the "A" with "J".


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

* Available Q3 2006  To select an integral bypass and drive combination: For 208V applications, replace the "B" with "K". For 230V applications, replace the "B" with "S".

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

 To select an integral bypass and drive combination: Replace the "A" with "J".

NXL 208-240V

OPEN CHASSIS	Motor shaft power (230V) and current.		Frame Size — Drive Only
	Low overload (VT)		
	P [Hp] (230V)	I (L)	
NXL0005B1006	.5	2.4 A	MF2
NXL0010B1009	1	4.8 A	MF3
NXL0015B1004	1.5	6.6 A	MF3
NXL0020B1007	2	6.6 A	MP3

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
	32006630-003	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)	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	-----	

Automation and Control Solutions

In the US:

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Golden Valley, MN 55422-3992

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Toronto, Ontario M1V 4Z9

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