



**Technical Data**

**PowerFlex® 400  
Adjustable Frequency  
AC Drives for Fan &  
Pump Applications**

## Product Selection Guide

### Description

The Configured Drives program allows users to create Disconnect and Contactor Bypass packages based on their specific needs and requirements. A limited factory installed option set is offered to optimize package configurations while providing a versatile and cost-effective solution. Configurations feature wall mount construction and are available in different NEMA/UL ratings.

### Main Input Disconnect / Circuit Breaker

- Door interlocked main input device
  - Disconnect switch with Class J fuses
  - Thermal magnetic molded case circuit breaker
- High AIC Rating for direct connection to high capacity power distribution lines
  - 100,000 AIC rating with fused disconnect
  - 65,000 AIC rating with circuit breaker



### 3 Contactor Full Feature Bypass with Disconnect / Circuit Breaker

- Door interlocked main input device
  - Disconnect switch with Class J fuses
  - Thermal magnetic molded case circuit breaker
- 3 contactor manual bypass with Drive/Drive Test/Bypass modes
- Bypass control and status display with indicating LEDs
- Class 20 motor overload protection in bypass circuit
- Selector switch for Hand/Off/Auto
- Remote start capability when in bypass mode



### 3 Contactor Basic Bypass with Disconnect

- Door interlocked main input disconnect
- 3 contactor manual bypass with Drive/Off/Drive Test/Bypass modes
- User-powered (24V AC) "Drive/Bypass" enable relay is provided for remote shut down



## Product Selection Guide

### Catalog Number Explanation

1-3	4	5	6-8	9	10	11	12	13	14	15	16	17	18	19+
23C	-	D	038	A	1	0	3	N	N	B	A	N	N	-LR
<i>a</i>		<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>

<i>a</i> Drive	
Code	Type
23C	PowerFlex 400

<i>b</i> Voltage Rating		
Code	Voltage	Ph.
X	208V ac	3
D	480V ac	3

<i>c1</i> Rating			
208V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
012	12	2.2 (3.0)	C
017	16.8	3.7 (5.0)	C
024	24	5.5 (7.5)	C
033	30.8	7.5 (10)	C
049	46.2	11 (15)	D
065	64	15 (20)	D
075	75	18.5 (25)	D
090	88	22 (30)	D
120	114	30 (40)	E
145	143	37 (50)	E

\* Configured drive amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

<i>c2</i> Rating			
460V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
6P0	4.8	2.2 (3.0)	C
010	7.6	4.0 (5.0)	C
012	11	5.5 (7.5)	C
017	14	7.5 (10)	C
022	21	11 (15)	C
030	27	15 (20)	C
038	34	18.5 (25)	D
045	40	22 (30)	D
060	52	30 (40)	D
072	65	37 (50)	E
088	77	45 (60)	E
105	96	55 (75)	E
142	124	75 (100)	E
170	156	90 (125)	F
208	180	110 (150)	F
260	240	132 (200)	G
310	302	160 (250)	G
370	361	200 (300)	H
460	414	250 (350)	H

\* Configured amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

<i>d</i> Enclosure	
Code	Enclosure
A	NEMA/UL Type 1
H	NEMA/UL Type 12 with Fan and Filter
X	NEMA/UL Type 3R ‡
E	NEMA/UL Type 4 ‡

‡ Designed for maximum ambient temperature of 40° C with no direct sunlight exposure.

<i>e</i> HIM	
Code	Interface Module
1	Fixed Keypad

<i>f</i> Emission Class	
Code	Rating
0	Not Filtered

<i>g</i> Version	
Code	Version
3	RS485
B	BACnet Adapter
C	ControlNet Adapter
D	DeviceNet Adapter
E	EtherNet/IP Adapter
L	LonWorks Adapter
P	PROFIBUS DP Adapter

<i>h</i> Rating	
Code	Rating
N	Reserved

<i>i</i> Rating	
Code	Rating
N	Reserved

<i>j</i> Package	
Code	Description
A	Main Input Disconnect
B	3 Contactor Full Feature Bypass with Disconnect
C	3 Contactor Basic Bypass with Disconnect ➤
M	Main Input Circuit Breaker ※
N	3 Contactor Full Feature Bypass with Circuit Breaker ※

➤ Available only with NEMA/UL Type 1 enclosure (Position d = A).

※ Available with all ratings in NEMA/UL Type 12, 3R, or 4 enclosures (Position d = H, X, or E) and 160-250 kW (250-350 Hp) ratings in NEMA/UL Type 1 enclosures (Position d = A).

<i>k</i> Control	
Code	Description
A	Single Motor

<i>l</i> Rating	
Code	Rating
N	Reserved

<i>m</i> Rating	
Code	Rating
N	Reserved

<i>n</i> Options	
Code	Description
-LR	3% Input Line Reactor §
-E5	Space Heater - Local Power ♣

§ 3% Input Line Reactor not available for all package styles. Consult product selection tables for additional detail.

♣ Available with NEMA/UL Type 3R and 4 enclosures only.