



**Advanced Technology. Simple Solutions.**

# VFD ENCLOSED DRIVE CONTROLLER

## V03

The Valid Manufacturing enclosed drives are designed to be used in all applications requiring complete built-up variable frequency drive packages. Controller packages are designed for specific applications using customer specified components and peripheral equipment from our product selection guide. The result is a complete certified package that can be readily and easily installed. The V03 is designed for the HVAC, commercial and small industrial markets and provide the efficiency, performance and options only available in the Altivar<sup>®</sup> variable frequency drive.



### Features and Options

- Contains Schneider Electric Altivar<sup>®</sup> 312 Variable Frequency Drive
- Multiple input feed configurations including fuses or breaker disconnect
- Available in .25 to 20 HP
- Type 1, 3R enclosures standard product
- Type 4, 4X, 12 enclosures custom product, consult factory
- 208V, 240V, 480V and 600V input
- Two and three contactor bypass options
- Multiple control and pilot light options available
- Additional equipment including line/load reactors and additional door displays and controls
- Expansion capabilities for discrete control
- Multitude of communications protocol available including Ethernet TCP/IP, Ethernet IP, DeviceNet, Modbus, BacNet, as well as others
- Termination blocks provided for power and control
- Heatsink installed in cooling tunnel to reduce internal enclosure heating
- Certified complete assembly

### Applications

- HVAC
- Process Controls
- Small Industrial Control
- Air Handling Equipment
- Conveyer Systems
- Pumps and Fans
- Material Handling and Packaging
- Machine Control and Positioning Systems

PRODUCT SELECTION GUIDE ON BACK

Rev1



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## PRODUCT SELECTION GUIDE PART NUMBER

1. PRODUCT	-	2. INCOMING	3. HP	4. ENCLOSURE TYPE	5. VOLTAGE	6. DEVICE TYPE	-	7. CONTROL OPTIONS	-	8. PILOT LIGHT OPTIONS	-	9. MISC
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### SAMPLE PART NUMBER:

V03	-	N	Y	A	6	Z	-	BC	-	PRS	-	N3
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### 1. Product

V03	Altivar <sup>®</sup> 312
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### 2. Incoming

N	No disconnecting means
F	Fused disconnect c/w fuses
C	Circuit breaker disconnect

### 3. Hp

Z	0.25	E	3
A	0.5	F	5
B	0.75	G	7.5
C	1	H	10
Y	1.5	J	15
D	2	K	20

### 4. Enclosure Type

A	Type 12
G	Type 1
H	Type 3R
J	Type 4
M	Type 4X

### 5. Voltage

2	208	4	480
3	240	6	600

### 6. Device Type

N	Without bypass
Y	2-contactor bypass
Z	3-contactor bypass (includes line contactor)

### 7. Control Options (add all required)

A	Hand-Off-Auto
B	Start-Stop
C	Reset
D	Speed Potentiometer
N	None

### 8. Pilot Light Options (add all required)

P	Power On	T	Auto
R	Run	U	Bypass*
S	Fault	N	None

\* Only available when bypass device selected

### 10. Miscellaneous (add all required)

N3	Line Reactor 3%
N5	Line Reactor 5%
D3	Load Reactor 3%
D5	Load Reactor 5%
DV	dv/dt filter
NK	No keypad
DK	Door mounted keypad
SL	Security locking door



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# VFD ENCLOSED DRIVE CONTROLLER

## V67

The Valid Manufacturing enclosed drives are designed to be used in all applications requiring complete built-up variable frequency drive packages. Controller packages are designed for specific applications using customer specified components and peripheral equipment from our product selection guide. The result is a complete certified package that can be readily and easily installed. The V67 is designed for the industrial, HVAC and commercial markets and provide the efficiency, performance and options only available in the Altivar<sup>®</sup> variable frequency drive.



### Features and Options

- Contains Schneider Electric Altivar<sup>®</sup> 61 or 71 Variable Frequency Drive
- Multiple input feed configurations including fuses or breaker disconnect
- Available in 3 to 100 HP
- Type 1, 3R enclosures standard product
- Type 4, 4X, 12 enclosures custom product, consult factory
- 208V, 240V, 480V and 600V input
- 600V drive is designed to accept up to 690V input
- Two and three contactor bypass options
- Multiple control and pilot light options available
- Additional equipment including line/load reactors and additional door displays and controls
- Expansion capabilities for discrete control
- Multitude of communications protocol available including DeviceNet, PROFIBUS DP, CANopen, Ethernet, and others
- Termination blocks provided for power and control
- Heatsink installed in cooling tunnel to reduce internal enclosure heating
- Certified complete assembly

### Applications

- Process Controls
- Industrial Control
- HVAC
- Air Handling Equipment
- Conveyer Systems
- Pumps and Fans
- Material Handling and Packaging
- Machine Control and Positioning Systems

PRODUCT SELECTION GUIDE ON BACK

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## PRODUCT SELECTION GUIDE PART NUMBER

1. PRODUCT	-	2. INCOMING	3. HP	4. ENCLOSURE TYPE	5. VOLTAGE	6. APPLICATION	7. DEVICE TYPE	-	8. CONTROL OPTIONS	-	9. PILOT LIGHT OPTIONS	-	10. MISC
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### SAMPLE PART NUMBER:

V67	-	F	N	H	6	C	Z	-	ABC	-	PRU	-	N3D3
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### 1. Product

V67	Altivar <sup>®</sup> 61/71
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### 2. Incoming

N	No disconnecting means
F	Fused disconnect c/w fuses
C	Circuit breaker disconnect

### 3. Hp

E	3	M	30
F	5	N	40
G	7.5	P	50
H	10	Q	60
J	15	R	75
K	20	S	100
L	25		

### 4. Enclosure Type

A	Type 12
G	Type 1
H	Type 3R
J	Type 4
M	Type 4X

### 5. Voltage

2	208	4	480
3	240	6	600 (up to 690V)

### 6. Application Type

C	Constant Torque (Altivar <sup>®</sup> 71)
V	Variable Torque (Altivar <sup>®</sup> 61)

### 7. Device Type

N	Without bypass
Y	2-contactor bypass
Z	3-contactor bypass (includes line contactor)

### 8. Control Options (add all required)

A	Hand-Off-Auto
B	Start-Stop
C	Reset
D	Speed Potentiometer
N	None

### 9. Pilot Light Options (add all required)

P	Power On	T	Auto
R	Run	U	Bypass*
S	Fault	N	None

\* Only available when bypass device selected

### 10. Miscellaneous (add all required)

N3	Line Reactor 3%
N5	Line Reactor 5%
D3	Load Reactor 3%
D5	Load Reactor 5%
DV	dv/dt filter
NK	No keypad
DK	Door mounted keypad
SL	Security locking door