

Altivar[®] 61 and 71 Adjustable Speed Drives Reference Sheet for Altivar 61 and 71 Option Cards

Retain for future use.

PLEASE NOTE

Table 1: Installation and Programming Manuals Required for All Options

Drive Family	Range (hp)	Installation Manual Module No.	Programming Manual Module No.
ATV61	0.5–100	1760643 (atv61s_installation_manual)	1760649 (atv61_programming_manual)
	75–800	1760655 (atv61e_installation_manual)	
ATV71	0.5–100	1755843 (atv71s_installation_manual)	1755855 (atv71_programming_manual)
	75–700	1755849 (atv71e_installation_manual)	

Before installing or operating any option card for the Altivar 61 (ATV61) and Altivar 71 (ATV71) drives:

1. Refer to the Installation Manual and Programming Manual provided with your drive. See Table 1.
2. Consult Table 2 for additional documentation required for some of the option cards. Read and understand the documents required for your option card(s) before beginning any procedure with the drive. You can download these documents from the Technical Library at www.schneider-electric.us.

Table 2: Additional Documentation Required for Some Options

Option Card		Document	
Description	Catalog number	Number	Title
Basic I/O option cards	VW3A3201	See Table 1 for the Installation and Programming Manuals required for these options. No additional documentation is required.	
Extended I/O option cards	VW3A3202		
Encoder card with RS422 outputs, 5 Vdc	VW3A3401		
Encoder card with RS422 outputs, 15 Vdc	VW3A3402		
Encoder card with open collector outputs, 12 Vdc	VW3A3403		
Encoder card with open collector outputs, 15 Vdc	VW3A3404		
Encoder card with push-pull outputs, 12 Vdc	VW3A3405		
Encoder card with push-pull outputs, 15 Vdc	VW3A3406		
Encoder card with push-pull outputs, 24 Vdc	VW3A3407		
Resolver card	VW3A3408		
Universal encoder card with SinCos [®] , SinCos [®] , Hiperface [®] , EnDat [®] or SSI output	VW3A3409		
Encoder card with RS422 outputs and encoder emulation	VW3A3411		
Modbus [®] Plus card	VW3A3302		
Modbus / Uni-Telway card	VW3A3303	1755875 and 30072-451-87	Modbus Uni-Telway User's Manual Modbus Uni-Telway Supplementary Instructions

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Table 2: Additional Documentation Required for Some Options
(continued)

Option Card		Document	
Description	Catalog number	Number	Title
Interbus® S card	VW3A3304	1755871 and 30072-451-89	Interbus S User's Manual Interbus S Supplementary Instructions
Profibus® DP card	VW3A3307	1755873 and 30072-451-45	Profibus DP User's Manual Profibus DP Card Addendum
Modbus TCP/IP Daisy Chain	VW3A3310D	30072-452-37	Modbus Daisy Chain Manual
Profibus DPv1 card	VW3A3307S371	30072-452-99	Profibus DPv1 User's Manual
DeviceNet card	VW3A3309	1755877 and 30072-451-44	DeviceNet User's Manual DeviceNet Addendum
Ethernet card	VW3A3310	30072-451-30	Modbus Ethernet User's Manual
Ethernet/IP card	VW3A3316	30072-452-35	Ethernet IP User's Manual
FIPIO® card	VW3A3311	1755883 and 30072-451-88	FIPIO Manual FIPIO Supplementary Instructions
Lonworks® card	VW3A3312	1765273	Lonworks User's Manual
Metasys® N2 card	VW3A3313	AAV33578	Metasys N2 User's Manual
Apogee FLN card	VW3A3314	BBV10543	Apogee P1 User's Manual
BACnet® card	VW3A3315	1765274 and 30072-451-75	BACnet User's Manual BACnet Reference sheet
Controller Inside card	VW3A3501	1757062 and 30072-451-69	Controller Inside Manual Controller Inside Supplementary Instructions
Water Solutions card	VW3A3503	30072-452-30 30072-452-32	Water Solutions Manual Water Solutions Reference Sheet
Fan Kit	VW3A9404-407	W917555620112	

PRECAUTIONS

Read and follow these precautions before performing any procedure with this drive.

The word “drive” as used in this bulletin refers to the controller portion of the adjustable speed drive as defined in the National Electrical Code (NEC).

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Read and understand this document before installing or operating the Altivar 61 or 71 drive. Installation, adjustment, repair, and maintenance must be performed by qualified personnel.
- The user is responsible for compliance with all international and national electrical code requirements with respect to grounding of all equipment.
- Many parts of this drive, including the printed circuit boards, operate at the line voltage. **DO NOT TOUCH.** Use only electrically insulated tools.
- **DO NOT** touch unshielded components or terminal strip screw connections with voltage present.
- **DO NOT** short across terminals PA/+ and PC/- or across the DC bus capacitors.
- Before servicing the drive:
 - Disconnect all power, including external control power that may be present.
 - Place a “DO NOT TURN ON” label on all power disconnects.
 - Lock all power disconnects in the open position.
 - **WAIT 15 MINUTES** to allow the DC bus capacitors to discharge. Then follow the “Bus Voltage Measurement Procedure” in the Installation Manual for your drive (see Table 1 on page 1) to verify that the DC voltage is less than 42 V. The drive LED is not an indicator of the absence of DC bus voltage.
- Install and close all covers before applying power or starting and stopping the drive.

Failure to follow these instructions will result in death or serious injury.

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