

Overview of Altivar™ Outdoor 630/930



Altivar Outdoor 630/930

Key Application/Market Segment	<ul style="list-style-type: none"> Oil and Gas Rod Pump Controls, PCP Controls ESP Controls, HPS Controls Irrigation
Brief Description	The Altivar Outdoor 630/930 is a UL Type 3R rated drive designed for pumping solutions in outdoor environments, especially oil and gas.
Special Features	<ul style="list-style-type: none"> Door-on-door -50 °C rated Optional cold weather option Wide array of options available Quick lead time
Enclosure Ratings	Nema Type 3R Outdoor
Power Range	20–250 hp, Heavy Duty
Distribution Voltage Ranges for 50/60 Hz Line Supply	480 Vac
Standards / Certifications	<ul style="list-style-type: none"> UL Listed per UL 508A Conforms to applicable NEMA ICS, NFPA, & IEC standards Service entrance rated Manufactured under ISO 9001 standards
Contact your local Schneider Electric Field Office for further information	

Altivar™ 212 Drives

The AHRI (Air-Conditioning, Heating, & Refrigeration Institute) certified Altivar 212 drive is for use with three-phase asynchronous and permanent magnet motors for variable torque pump, fan, and scroll compressor applications. Select the Altivar 212 drive using the motor nameplate voltage, the full load ampere rating and the table below. The Altivar 212 drive includes 3 logic inputs, 2 analog inputs, 1 analog output, and 2 relay outputs (with 1 NO and 1 NO/NC contacts). The Altivar 212 drive includes an integrated 4 digit, 7 segment LED display with a 7 button keypad and includes an RJ45 Modbus port plus a four-screw terminal block for BACnet, Modbus, Metasys N2 and Apogee P1 communication protocols. LonWorks™ is available in an option card.



ATV212HU15N4



ATV212W075N4



ATV212HU30M3X



ATV212HD37N4

Table 26.1: Altivar 212 Selection

AC Input Line Voltage	Three-Phase Motor Power [1]		Continuous Output Current	IP 20[2] Open Style Product	Enclosure Rating	
	HP	kW			Type 1 Conduit Kit Purchase ATV212 and Conduit Kit for Type 1 Installation	Type 12 / IP54[3]
	HP	kW	A [1]	Catalog Number	Catalog Number	Catalog Number
200/240 Vac -15%, +10% Three-Phase	1	0.75	4.6	ATV212H075M3X	VW3A31814	—
	2	1.5	7.5	ATV212HU15M3X	VW3A31814	—
	3	2.2	10.6	ATV212HU22M3X	VW3A31814	—
	4	3	13.7	ATV212HU30M3X	VW3A31815	—
	5	4	18.7	ATV212HU40M3X	VW3A31815	—
	7.5	5.5	24.2	ATV212HU55M3X	VW3A31816	—
	10	7.5	32	ATV212HU75M3X	VW3A31816	—
	15	11	46.2	ATV212HD11M3X	VW3A31817	—
	20	15	61	ATV212HD15M3X	VW3A31817	—
	25	18.5	74.8	ATV212HD18M3X	VW3A31817	—
	30	22	88	ATV212HD22M3X	VW3A9206	—
	40	30	117	ATV212HD30M3X	VW3A9208	—
380/480 Vac -15%, +10% Three-Phase	1	0.75	2.2	ATV212H075N4	VW3A31814	ATV212W075N4
	2	1.5	3.7	ATV212HU15N4	VW3A31814	ATV212WU15N4
	3	2.2	5.1	ATV212HU22N4	VW3A31814	ATV212WU22N4
	4	3	7.2	ATV212HU30N4	VW3A31815	ATV212WU30N4
	5	4	9.1	ATV212HU40N4	VW3A31815	ATV212WU40N4
	7.5	5.5	12	ATV212HU55N4	VW3A31815	ATV212WU55N4
	10	7.5	16	ATV212HU75N4	VW3A31816	ATV212WU75N4
	15	11	22.5	ATV212HD11N4	VW3A31816	ATV212WD11N4
	20	15	30.5	ATV212HD15N4	VW3A31817	ATV212WD15N4
	25	18.5	37	ATV212HD18N4	VW3A31817	ATV212WD18N4
	30	22	43.5	ATV212HD22N4S	VW3A31817	—
	30	22	43.5	ATV212HD22N4	VW3A9206	ATV212WD22N4
	40	30	58.5	ATV212HD30N4	VW3A9206	ATV212WD30N4
	50	37	79	ATV212HD37N4	VW3A9207	ATV212WD37N4
	60	45	94	ATV212HD45N4	VW3A9207	ATV212WD45N4
	75	55	116	ATV212HD55N4	VW3A9208	ATV212WD55N4
	100	75	160	ATV212HD75N4	VW3A9208	ATV212WD75N4

UL File E116875, CSA 2278406, Plenum rated per UL 508C for UL 1995 installations. NOM, CE

[1] These horsepower, wattage and continuous ampere ratings apply to the default switching frequency and maximum 40 °C ambient. Refer to the installation manual for derating curves as a function of switching frequency, ambient temperature, and mounting conditions.

[2] IP20 Altivar 212 drives can be installed as UL Type 1 with an optional conduit box by following the instructions in the Installation Manual.

[3] For ATV212W... drives with Class B EMC filter, add the letter "C" to the end of the standard catalog number.

Altivar™ 212 Accessories

Table 26.2: Altivar 212 Options and Accessories



	Description	For Use on Drives	Catalog Number
User Interface Options			
Remote LCD Display Keypad	8 line, 24 characters per line, plain text, 8 keys, rotary wheel, 60 °C IP54 rated	Altivar 212, 312, 32, 61, and 71	VW3A1101 [4]
Remote LCD Keypad Mounting Accessories	IP54 rated kit for remote mounting LCD keypad on enclosure door. Clear plastic door for use with VW3A1102 for IP65 rating and tamper resistant. Female / Female right-angle RJ45 adaptor, to connect cable and keypad. [5]	VW3A1101	VW3A1102 [4]
		VW3A1102	VW3A1103 [4]
	VW3A1101	VW3A1105 [4]	
	Remote LCD Keypad Mounting Cables — Equipped with two RJ45 connectors	VW3A1101	VW3A1104R10 [6]
	1 meter length 3 meter length 5 meter length 10 meter length	VW3A1101	VW3A1104R30 [6] VW3A1104R50 [6] VW3A1104R100 [6]
Multi-loader	Use to copy configurations between like drives, PC Soft, or SoMove PC Software	Altivar 12, 212, 312, 32, 61, 71, and Altistart 22	VW3A8121
Potentiometer	Operator, mounting collar, 2.5 kilohm, ½ watt potentiometer	Altivar 212	ATVPOT25K
Software			
Altivar and Altistart Programming Cable	For use with the iPad Configuration App. 30-pin Mobile to RS-485 Converter Cable	Altivar 12, 312, 212, and SFLEX, Altistart 22, 48	VW3A8151R20U
SoMove	This software enables the user to configure, set, debug and organize maintenance task for the complete Altivar product line and the Altistart 22 and Altistart 48 soft starters. It can also be used to customize the integrated display terminal menus. It can be used with a direct connection or a Bluetooth® wireless connection. Free download www.schneider-electric.us		
USB/RS485 cable: equipped with USB connector and RJ45 connector		Altivar and Altistart	TCSMCNAM3M002P [6]
Communication Option			
LonWorks Communication Card Option	Provides a four-screw terminal block for connection to LonWorks network. Install in place of standard control board that comes mounted in the Altivar 212 drive. The I/O count is reduced to 3LI, 1 AI and 1 NO/NC relay	Altivar 212	VW3A21212
Mounting Kit			
DIN Rail Mounting Kit	For installation on 35 mm wide DIN rail	Altivar 212H075M3X–U22M3X Altivar 212H075N4–U22N4	VW3A31852

[4] IP20 Altivar 212 drives can be installed as UL Type 1 with an optional conduit box by following the instructions in the installation manual.

[5] Not required if using VW3A1102.

[6] For ATV212W... drives with Class B EMC filter, add the letter "C" to the end of the standard catalog number.