

## Variable Speed Drives

## Altivar Process ATV900- Heavy and high performance applications

Speed and Torque control.  
Drive to Drive connection.  
Master/Slave and load sharing.  
STO SIL 3 embedded and Safety Basic.  
Better performance with all the motors.  
Independent of the brand.  
Integrated Modbus TCP & EtherNet IP,  
Modbus serial link.

Điều khiển tốc độ và momen.  
Chức năng kết nối Biến tần với Biến tần.  
Chức năng Master/Slave và chia tải.  
Tích hợp sẵn chức năng bảo vệ STO SIL 3 và các chức năng bảo vệ cơ bản khác.  
Có khả năng điều khiển với các loại động cơ khác nhau.  
Tích hợp sẵn công truyền thông Modbus TCP & EtherNet IP,  
Modbus serial link.

Unit price (incl.VAT) in VND

### UL Type 1/IP 21, 3-phase supply voltage: 200...240VAC, 50/60Hz

	Power indicated on rating plate motor (2)		Line current (3)		Reference (1)	Unit price
	HP	KW	200V			
			A	A		
ND	1	0.75	3	2.6	ATV930U07M3	(*)
HD	0.5	0.4	1.7	1.5		
ND	2	1.5	5.9	5	ATV930U15M3	(*)
HD	1	0.8	3.3	3		
ND	3	2.2	8.4	7.2	ATV930U22M3	(*)
HD	2	1.5	6	5.3		
ND	-	3	11.5	9.9	ATV930U30M3	(*)
HD	3	2.2	8.7	7.6		
ND	5	4	15.1	12.9	ATV930U40M3	(*)
HD	-	3	11.7	10.2		
ND	7.5	5.5	20.2	17.1	ATV930U55M3	(*)
HD	5	4	15.1	13		
ND	10	7.5	27.1	22.6	ATV930U75M3	(*)
HD	7.5	5.5	20.1	16.9		
ND	15	11	39.3	32.9	ATV930D11M3	(*)
HD	10	7.5	27.2	23.1		
ND	20	15	52.6	45.5	ATV930D15M3	(*)
HD	15	11	40.1	34.3		
ND	25	18.5	66.7	54.5	ATV930D18M3	(*)
HD	20	15	53.1	44.9		
ND	30	22	76	64.3	ATV930D22M3	(*)
HD	25	18.5	64.8	54.5		
ND	40	30	104.7	88.6	ATV930D30M3	(*)
HD	30	22	78.3	67.1		
ND	50	37	128	107.8	ATV930D37M3	(*)
HD	40	30	104.7	88.6		
ND	60	45	155.1	130.4	ATV930D45M3	(*)
HD	50	37	128.5	108.5		

### UL Type 1/IP 21, without braking unit, 3-phase supply voltage: 200...240VAC, 50/60Hz

	Power indicated on rating plate motor (2)		Line current (3)		Reference (1)	Unit price
	HP	KW	200V			
			A	A		
ND	40	30	104.7	88.6	ATV930D30M3C	(*)
HD	30	22	78.3	67.1		
ND	50	37	128	107.6	ATV930D37M3C	(*)
HD	40	30	104.7	88.6		
ND	60	45	155.1	130.4	ATV930D45M3C	(*)
HD	50	37	128.5	108.5		
ND	75	55	189	161	ATV930D55M3C (6)	(*)
HD	60	45	156	134		
ND	100	75	256	215	ATV930D75M3C (6)	(*)
HD	75	55	189	161		

(\*) Please contact Schneider Electric distributor for price request

(1) Altivar Process ATV930...M3 drives have been designed without an EMC filter. An additional filter can be added to help meet more stringent requirements and reduce electromagnetic emissions.

(2) These values are given for a nominal switching frequency of 4 kHz up to ATV930D22M3 or 2.5 kHz for ATV930D30M3...D45M3 and ATV930D30M3C...D75M3C, for use in continuous operation. The switching frequency is adjustable. Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website [www.schneider-electric.com](http://www.schneider-electric.com)).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

(6) The power parts are accessible at the bottom of the drive. hence the product is supplied as IP 00 for mounting in an enclosure. For IP 21 wall mounting, order the IP 21/UL Type 1 conformity kit VW3A9704 separately.

(\*) Please consult our Customer Care Center



ATV930D11M3



ATV930D30M3

Speed and Torque control.  
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Tích hợp sẵn cổng truyền thông Modbus TCP & EtherNet IP, Modbus serial link

Unit price (incl.VAT) in VND

**UL Type 1/IP 21, 3-phase supply voltage: 380...480VAC, 50/60Hz**

Power indicated on rating plate motor (2)			Line current (3)		Reference (1)	Unit Price
ND: Normal Duty (4)			380 V	480 V		
HD: Heavy Duty (5)						
	HP	KW	A	A		
ND	1	0.75	1.5	1.3	ATV930U07N4	(*)
HD	0.5	0.37	0.9	0.8		
ND	2	1.5	3	2.6	ATV930U15N4	(*)
HD	1	0.75	1.7	1.5		
ND	3	2.2	4.3	3.8	ATV930U22N4	(*)
HD	2	1.5	3.1	2.9		
ND	-	3	5.8	5.1	ATV930U30N4	(*)
HD	3	2.2	4.5	4		
ND	5	4	7.6	6.7	ATV930U40N4	(*)
HD	-	3	6	5.4		
ND	7.5	5.5	10.4	9.1	ATV930U55N4	(*)
HD	5	4	8	7.2		
ND	10	7.5	13.8	11.9	ATV930U75N4	(*)
HD	7.5	5.5	10.5	9.2		
ND	15	11	19.8	17	ATV930D11N4	(*)
HD	10	7.5	14.1	12.5		
ND	20	15	27	23.3	ATV930D15N4	(*)
HD	15	11	20.6	18.1		
ND	25	18.5	33.4	28.9	ATV930D18N4	(*)
HD	20	15	27.7	24.4		
ND	30	22	39.6	34.4	ATV930D22N4	(*)
HD	25	18.5	34.1	29.9		
ND	40	30	53.3	45.9	ATV930D30N4	(*)
HD	30	22	40.5	35.8		
ND	50	37	66.2	57.3	ATV930D37N4	(*)
HD	40	30	54.8	48.3		
ND	60	45	79.8	69.1	ATV930D45N4	(*)
HD	50	37	67.1	59.0		
ND	75	55	97.2	84.2	ATV930D55N4	(*)
HD	60	45	81.4	71.8		
ND	100	75	131.3	112.7	ATV930D75N4	(*)
HD	75	55	98.9	86.9		
ND	125	90	156.2	135.8	ATV930D90N4	(*)
HD	100	75	134.3	118.1		
ND	350	220	397	324	ATV930C22N4 (6)	(*)
HD	250	160	296	246		

(1) Category C2 EMC filter for ATV930U07N4...D45N4. Category C3 EMC filter above ATV930D45N4.

(2) These values are given for an adjustable nominal switching frequency of 4 kHz for ATV930U07N4...ATV930D45N4 or 2.5 kHz for ATV930D55N4...D90N4, for use in continuous operation.

Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website [www.schneider-electric.com](http://www.schneider-electric.com)).

(3) Typical value for the indicated motor power and for the prospective line  $I_{sc}$ .

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

(6) Product supplied as IP 00 for mounting in an enclosure. For IP 21/UL Type 1 wall mounting, a conformity kit should be ordered separately.



ATV630D15N4



ATV930D30N4



ATV930D55N4

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Unit price (incl.VAT) in VND



ATV930C11N4C



ATV930C16N4F

**UL Type 1/IP 21, with category C2 or C3 integrated EMC filter without braking unit, 3-phase supply voltage: 380...480VAC, 50/60Hz**

Power indicated on rating plate motor (1)			Line current (2)		Reference	Unit Price
			380 V	480 V		
ND: Normal Duty (3)						
HD: Heavy Duty (4)						
	HP	KW	A	A		
ND	75	55	97.2	84.2	ATV930D55N4C	(*)
HD	60	45	81.4	71.8		
ND	100	75	131.3	112.7	ATV930D75N4C	(*)
HD	75	55	98.9	86.9		
ND	125	90	156.2	135.8	ATV930D90N4C	(*)
HD	100	75	134.3	118.1		
ND	150	110	201	165	ATV930C11N4C (5)	(*)
HD	125	90	170	143		
ND	200	132	237	213	ATV930C13N4C (5)	(*)
HD	150	110	201	165		
ND	250	160	284	262	ATV930C16N4C (5)	(*)
HD	200	132	237	213		
ND	350	220	397	324	ATV930C22N4C (5)	(*)
HD	250	160	296	246		
ND	400	250	451	366	ATV930C25N4C (5)	(*)
HD	300	200	365	301		
ND	500	315	569	461	ATV930C31N4C (5)	(*)
HD	400	250	457	375		

**IP 21, with category category C3 integrated EMC filter - Floor standing (6) 3-phase supply voltage: 380...440VAC, 50/60Hz**

Power indicated on rating plate motor (1)			Line current (2)		Reference	Unit Price
			380 V	480 V		
ND: Normal Duty (3)						
HD: Heavy Duty (4)						
	HP	KW	A	A		
ND	-	110	207	195	ATV930C11N4F	(*)
HD	-	90	174	164		
ND	-	132	250	232	ATV930C13N4F	(*)
HD	-	110	207	197		
ND	-	160	291	277	ATV930C16N4F	(*)
HD	-	132	244	232		
ND	-	200	369	349	ATV930C20N4F	(*)
HD	-	160	302	286		
ND	-	250	453	432	ATV930C25N4F	(*)
HD	-	200	369	353		
ND	-	315	566	538	ATV930C31N4F	(*)
HD	-	250	453	432		

(\*) Please contact Schneider Electric distributor for price request

(1) These values are given for a nominal switching frequency of 2.5 kHz for use in continuous operation. The switching frequency is adjustable for all ratings.

Above 2.5 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website [www.schneider-electric.com](http://www.schneider-electric.com)).

(2) Typical value for the indicated motor power and for the maximum prospective line Isc.

(3) Values given for applications requiring a slight overload (up to 120%).

(4) Values given for applications requiring a significant overload (up to 150%).

(5) The power parts are accessible at the bottom of the drive, hence the product is supplied as IP 00 for mounting in an enclosure. For IP 21/UL Type 1 wall mounting, order the IP 21/UL Type 1 conformity kit VW3A9704 separately.

(6) Integrated motor chokes allowing a shielded motor cable length up to 300 m/984 ft in category C3 and an unshielded cable length up to 450 m/1,476 ft in category C4.

(\*) Please consult our Customer Care Center

Numerous accessories and options to increase their functionality and also their capacity for integration and adaptation.

Các phụ kiện và tùy chọn nâng cao chức năng và khả năng việc tích hợp và tương thích với hệ thống

Unit price (incl.VAT) in VND



VW3A1111



VW3A1112



VW3A3720



VW3A3203

### For remote mounting graphic display

Description	Length (m/ft)	Reference	Unit Price
<b>Graphic display terminal (supplied with drive)</b>		<b>VW3A1111</b>	<b>6,399,800</b>
<b>Remote mounting kit</b>		<b>VW3A1112</b>	<b>1,500,400</b>
Order with remote-mounting cordset VW3A1104R...			
Remote-mounting cordset equipped with 2 RJ45 connectors	1/3.28	<b>VW3A1104R10</b>	<b>643,500</b>
	3/9.84	<b>VW3A1104R30</b>	<b>774,400</b>
	5/16.40	<b>VW3A1104R50</b>	<b>761,200</b>
	10/32.81	<b>VW3A1104R100</b>	<b>1,050,500</b>
USB/Mini B USB cable for connecting the display terminal to a PC		<b>TCSXCNAMUM3P</b>	<b>(*)</b>
IP 65 remote mounting kit for Ethernet port (1) Ø 22 RJ45 female/female adapter with seal		<b>VW3A1115</b>	<b>(*)</b>
IP 20 WiFi dongle remote mounting of the Ethernet port for connection of WiFi equipment (PC, tablet, smartphone, etc.) powered by internal rechargeable battery		<b>TCSEGWB13FA0</b>	<b>(*)</b>

(1) Used to connect a remote PC to the RJ45 port on an IP 21 drive mounted in an enclosure or on a wall. Drill hole with a standard Ø 22 tool, as used for a pushbutton. (Requires a remote-mounting cordset VW3A1104R.0. equipped with 2 RJ45 connectors).

### I/O expansion cards

Description	Reference	Unit Price
<b>I/O expansion option card</b> 6 logic inputs, 2 logic outputs, 1 analog input	<b>VW3A3203</b>	<b>8,499,700</b>
<b>Relay outputs card</b> 3 Relay outputs with NO contacts	<b>VW3A3204</b>	<b>7,000,400</b>

### Communication cards

Description	Reference	Unit Price
CANopen daisy chain card w/ 2 RJ45 connectors	<b>VW3A3608</b>	<b>3,479,300</b>
CANopen SUB-D card	<b>VW3A3618</b>	<b>3,918,200</b>
CANopen card w/ 1x5-way screw terminal block	<b>VW3A3628</b>	<b>(*)</b>
EtherNet/IP and Modbus TCP dual port card	<b>VW3A3720</b>	<b>(*)</b>
ProfiNet card w/ 2 RJ45 connectors	<b>VW3A3627</b>	<b>(*)</b>
PROFIBUS DP V1 card	<b>VW3A3607</b>	<b>7,445,900</b>
DeviceNet card	<b>VW3A3609</b>	<b>9,805,400</b>

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#### Other options (\*):

- Passive filters
- Additional EMC input filters for reducing conducted emissions on the line
- Encoder interface modules

- Output filters:
  - + dv/dt filters
  - + Sinus filters

(\*) Please consult our Customer Care Center