

Control of both three-phase asynchronous and synchronous motors from 0.18 to 15 kW  
 Output frequency: 0.1...599 Hz  
 Overload torque performance up to 200% Tn in an open loop  
 ATV Logic integration (up to 50 function blocks)  
 Numerous application functions and embedded safety functions for targeted application segments: Material handling, Packaging, Textiles, Hoisting, Mechanical actuators, Material working,...

Điều khiển động cơ đồng bộ và không đồng bộ 3 pha công suất từ 0.18 đến 15 kW  
 Tần số ngõ ra: 0.1...599 Hz  
 Khả năng quá tải khi điều khiển vòng hở lên đến 200% momen định mức  
 Tích hợp sẵn chức năng ATV Logic (có thể lập trình lên đến 50 khối chức năng)  
 Nhiều chức năng ứng dụng và tích hợp sẵn các chức năng an toàn cho các máy: vận chuyển vật liệu, đóng gói, máy dệt, cầu trục, truyền động cơ học, máy chế biến vật liệu,...

Unit price (incl.VAT) in VND

### Drives with compact control block

Motor		Line supply			Altivar Machine ATV320	
Power indicated on rating plate motor (1)	Max. Line current (2) (3)	Max. prospective line Isc (4)		Reference (1)	Unit Price	
		at U1	at U2			
kW	HP	A	A	kA		
<b>Single-phase supply voltage: 200...240 V 50/60 Hz, with integrated EMC filter (3) (5) (6)</b>						
0.18	0.25	3.4	2.8	1	ATV320U02M2C	6,380,000
0.37	0.5	5.9	4.9	1	ATV320U04M2C	6,710,000
0.55	0.75	7.9	6.6	1	ATV320U06M2C	7,040,000
0.75	1	10	8.4	1	ATV320U07M2C	8,030,000
1.1	1.5	13.8	11.6	1	ATV320U11M2C	8,800,000
1.5	2	17.8	14.9	1	ATV320U15M2C	9,240,000
2.2	3	24	20.2	1	ATV320U22M2C	10,230,000
<b>Three-phase supply voltage: 200...240 V 50/60 Hz, without integrated EMC filter (3)</b>						
0.18	0.25	2	1.7	5	ATV320U02M3C	7,150,000
0.37	0.5	3.6	3	5	ATV320U04M3C	7,590,000
0.55	0.75	4.9	4.2	5	ATV320U06M3C	7,920,000
0.75	1	6.3	5.3	5	ATV320U07M3C	8,470,000
1.1	1.5	8.6	7.2	5	ATV320U11M3C	9,130,000
1.5	2	11.1	9.3	5	ATV320U15M3C	9,680,000
2.2	3	14.9	12.5	5	ATV320U22M3C	10,560,000
3	4	19	15.9	5	ATV320U30M3C	12,210,000
4	5	23.8	19.9	5	ATV320U40M3C	15,180,000
5.5	7.5	35.4	29.8	22	ATV320U55M3C	18,480,000
7.5	10	45.3	38.2	22	ATV320U75M3C	23,980,000
11	15	60.9	51.4	22	ATV320D11M3C	30,800,000
15	20	79.7	67.1	22	ATV320D15M3C	34,870,000
<b>Three-phase supply voltage: 380...500 V 50/60 Hz, with integrated EMC filter (3) (5) (6)</b>						
0.37	0.5	2.1	1.6	5	ATV320U04N4C	7,370,000
0.55	0.75	2.8	2.2	5	ATV320U06N4C	7,590,000
0.75	1	3.6	2.8	5	ATV320U07N4C	7,810,000
1.1	1.5	5	3.8	5	ATV320U11N4C	8,030,000
1.5	2	6.4	4.9	5	ATV320U15N4C	8,250,000
2.2	3	8.7	6.6	5	ATV320U22N4C	9,020,000
3	4	11.1	8.4	5	ATV320U30N4C	10,010,000
4	5	13.7	10.6	5	ATV320U40N4C	11,440,000



ATV320U02M2C...U07M2C



ATV320U11M2C...U22M2C  
ATV320U04N4C...U15N4C



ATV320U22N4C...  
ATV320U40N4C



ATV320U55M3C

- (1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation. The switching frequency is adjustable from 2 to 16 kHz. Above 4 kHz, derate the nominal drive current. The nominal motor current should not exceed this value  
 (2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4)  
 (3) Nominal supply voltage, min. U1, max. U2: 200 (U1)...240 V (U2), 380 (U1)...500 V (U2).  
 (4) If line Isc is greater than the values in the table, add line chokes.  
 (5) Drives supplied with category C2 integrated EMC filter. This filter can be disconnected.  
 (6) Drives are supplied with an EMC plate, for assembly by the customer.

External options:

- Braking resistors
- Line chokes
- Motor chokes
- Additional EMC filters
- Adapter extension module for compact control block drive
- Speed monitoring module

Optional communication modules:

- Modbus/TCP - Ethernet/IP
- PROFIBUS DP V1
- DeviceNet
- EtherCAT
- POWERLINK
- ProfiNet

Control of both three-phase asynchronous and synchronous motors from 0.18 to 15 kW  
 Output frequency: 0.1...599 Hz  
 Overload torque performance up to 200% Tn in an open loop  
 ATV Logic integration (up to 50 function blocks)  
 Numerous application functions and embedded safety functions for targeted application segments: Material handling, Packaging, Textiles, Hoisting, Mechanical actuators, Material working,...

Điều khiển động cơ đồng bộ và không đồng bộ 3 pha công suất từ 0.18 đến 15 kW  
 Tần số ngõ ra: 0.1...599 Hz  
 Khả năng quá tải khi điều khiển vòng hở lên đến 200% momen định mức  
 Tích hợp sẵn chức năng ATV Logic (có thể lập trình lên đến 50 khối chức năng)  
 Nhiều chức năng ứng dụng và tích hợp sẵn các chức năng an toàn cho các máy: vận chuyển vật liệu, đóng gói, máy dệt, cầu trục, truyền động cơ học, máy chế biến vật liệu,...

Unit price (incl.VAT) in VND

### Drives with book control block

Motor		Line supply			Altivar Machine ATV320	
Power indicated on rating plate motor (1)	kW    HP	Max. Line current (2) (3)		Max. prospective line Isc (4)	Reference (1)	Unit Price
		at U1 A	at U2 A			
<b>Single-phase supply voltage: 200...240 V 50/60 Hz, with integrated EMC filter (3) (5) (6)</b>						
ATV320U02M2B...U07M2B	0.18    0.25	3.4	2.8	1	ATV320U02M2B	6,820,000
ATV320U04N4B...U15N4B	0.37    0.5	6	5	1	ATV320U04M2B	7,150,000
	0.55    0.75	7.9	6.7	1	ATV320U06M2B	7,480,000
	0.75    1	10.1	8.5	1	ATV320U07M2B	8,250,000
	1.1    1.5	13.6	11.5	1	ATV320U11M2B	9,240,000
	1.5    2	17.6	14.8	1	ATV320U15M2B	9,790,000
	2.2    3	23.9	20.1	1	ATV320U22M2B	10,670,000
<b>Three-phase supply voltage: 380...500 V 50/60 Hz, with integrated EMC filter (3) (5) (6)</b>						
	0.37    0.5	2.1	1.6	5	ATV320U04N4B	7,700,000
	0.55    0.75	2.8	2.2	5	ATV320U06N4B	7,920,000
	0.75    1	3.6	2.7	5	ATV320U07N4B	8,140,000
	1.1    1.5	5	3.8	5	ATV320U11N4B	8,470,000
	1.5    2	6.5	4.9	5	ATV320U15N4B	8,800,000
	2.2    3	8.7	6.6	5	ATV320U22N4B	9,680,000
	3    4	11.1	8.4	5	ATV320U30N4B	10,670,000
	4    5	13.7	10.5	5	ATV320U40N4B	11,990,000
	5.5    7.5	20.7	14.5	5	ATV320U55N4B	14,080,000
	7.5    10	26.5	18.7	22	ATV320U75N4B	16,940,000
	11    15	36.6	25.6	22	ATV320D11N4B	22,220,000
	15    20	47.3	33.3	22	ATV320D15N4B	26,510,000

- (1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation. The switching frequency is adjustable from 2 to 16 kHz. Above 4 kHz, derate the nominal drive current. The nominal motor current should not exceed this value  
 (2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4).  
 (3) Nominal supply voltage, min. U1, max. U2: 200 (U1)...240 V (U2), 380 (U1)...500 V (U2)  
 (4) If line Isc is greater than the values in the table, add line chokes.  
 (5) Drives supplied with category C2 integrated EMC filter. This filter can be disconnected.  
 (6) Connection in compliance with EMC standards:  
 - ATV320...M2B, ATV320U04N4B...ATV320U40N4B drives are supplied with an EMC plate. This is integral part of the power terminal; these 2 components cannot be separated.  
 - ATV320U55N4B...D15N4B drives are supplied with an EMC plate, for assembly by the customer.

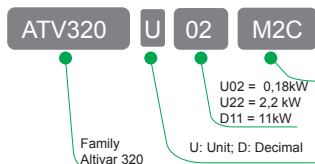
### External options:

- Braking resistors
- Line chokes
- Motor chokes
- Additional EMC filters
- Speed monitoring module

### Optional communication modules:

- Modbus/TCP - Ethernet/IP
- PROFIBUS DP V1
- DeviceNet
- EtherCAT
- POWERLINK
- ProfiNet

### Part number explanation



- \*M2 = Single phase 200...240V - EMC filters - 0.18 to 2.2 kW - 0.25 to 3HP
- \*N4 = 3 phase 380...500V - EMC filters - 0.37 to 15 kW - 0.5 to 20 HP
- \*M3 = 3 phase 200...240V - EMC filters - 0.18 to 15 kW - 0.25 to 20 HP
- \*C = Compact control block and compact format "C" (5.5kW up to 15kW only book control block)
- \*B = book control block and book format "B" (5.5kW up to 15kW only book control block)



ATV320U02M2B...U07M2B  
ATV320U04N4B...U15N4B



ATV320U11M2B...U22M2B  
ATV320U22N4B...U40N4B



ATV320U55N4B



ATV320D15N4B



VW3A7608R  
Braking resistors, enclosed model (IP 65 casing) with cordset



VW3A3620 - Speed monitoring module



VW3A3616 - Modbus TCP and EtherNet/IP