

ATV320

Altivar Machine ATV320

Simple and advanced machines

0.18 ... 15kW



Type of Drive		Single phase 240V	Three phase 240V	Three phase 500V	Three phase 600V	
Supply voltage		With EMC filter	Without EMC filter	With EMC filter	Without EMC filter	
IP Degree of protection		IP20				
Drive	Output Frequency	0.1 ... 599 Hz				
	Asynchronous motor	V/F (2point, 5point, Energy saving, Quadratic) / Flux vector control not sensor				
Functions	Synchronous motor	Vector control not sensor				
	Transient over torque	170 ... 200% of nominal motor torque				
	Ambient temperature	-10 ... 50 C				
	Number of Functions	50 function blocks				
	Number of preset speeds	16 preset speeds				
	Analog input	3 : 0-10Vdc, -10+10Vdc, 4-20mA.				
	Logic input	6 input / Sink-Source				
	Analog output	1 : 0-10Vdc or 4-20mA.				
	Logic output	1 : Transistor Output				
	Relay output	2 : 1 with NO/NC contacts and 1 with NO contacts				
	Safety function input	1 input / STO-P24				
Communication	Integrated	CANopen and Modbus				
	Optional	Ethernet IP, Modbus TCP, CANopen daisy chain, Profinet, Profibus, Devicenet				
Reduction of current harmonics						
EMC filter	Integrated	EMC C2		EMC C2		
	Optional		EMC C2		EMC C2	
Motor power	kW/Hp	0.18 / 0.25	ATV320U02M2C D1	ATV320U02M3C D1		
		0.37 / 0.5	ATV320U04M2C D2	ATV320U04M3C D2	ATV320U04N4C D6	
		0.55 / 0.75	ATV320U06M2C D3	ATV320U06M3C D3	ATV320U06N4C D6	
		0.75 / 1	ATV320U07M2C D3	ATV320U07M3C D3	ATV320U07N4C D6	ATV320U07S6C D4
		1.1 / 1.5	ATV320U11M2C D4	ATV320U11M3C D5	ATV320U11N4C D6	
		1.5 / 2	ATV320U15M2C D4	ATV320U15M3C D5	ATV320U15N4C D6	ATV320U15S6C D4
		2.2 / 3	ATV320U22M2C D4	ATV320U22M3C D5	ATV320U22N4C D7	ATV320U22S6C D7
		3 / 4		ATV320U30M3C D7	ATV320U30N4C D7	
		4 / 5		ATV320U40M3C D7	ATV320U40N4C D7	ATV320U40S6C D7
		5.5 / 7.5		ATV320U55M3C D8	ATV320U55N4B D9	ATV320U55S6C D8
		7.5 / 10		ATV320U75M3C D8	ATV320U75N4B D9	ATV320U75S6C D8
		11 / 15		ATV320D11M3C D10	ATV320D11N4B D11	ATV320D11S6C D10
		15 / 20		ATV320D15M3C D10	ATV320D15N4B D11	ATV320D15S6C D10

Dimension (mm.)	Width x Height x Depth
D1 : 72 x 143 x 109	D7 : 140 x 184 x 158
D2 : 72 x 143 x 128	D8 : 150 x 232 x 178
D3 : 72 x 143 x 138	D9 : 150 x 232 x 232
D4 : 105 x 142 x 158	D10 : 180 x 330 x 198
D5 : 105 x 143 x 138	D11 : 180 x 330 x 232
D6 : 105 x 143 x 158	

