




Selection guide

Altivar 312

Schneider
 Electric



Dimensions (in mm) width x height x depth

T 1 : 72 x 145 x 122

T 2 : 72 x 145 x 132

T 3 : 72 x 145 x 132

T 4 : 72 x 145 x 142

T 5 : 105 x 143 x 132

T 6 : 107 x 143 x 152

T 7 : 142 x 184 x 152

T 8 : 180 x 232 x 172

T 9 : 245 x 330 x 192

Type of drive
Supply voltage

Single-phase
200... 240 V
with integrated EMC filter

Degree of protection		IP20	
Drive	Output frequency	0.5... 500 Hz	
	Type of control	Asynchronous motor	
		Standard ratio (voltage/frequency)	
		Performance profile (sensorless)	
		Energy saving ratio	
	Transient overtorque	170 ... 200 % of the nominal r	
Speed range		1 to 50	
Functions	Number of functions	50	
	Number of preset speeds	16	
	Number of I/O		
	Analogue inputs	3	
	Analogue outputs	1	
	Logic inputs	6	
Relay outputs		2	
Dialogue		Integrated 4-digit display, rem	
Communication	Embedded	Modbus and CANopen	
	Available as an option	CANopen Daisy Chain, Device	
Operating temperature		-10... + 50° without derating	
EMC	Embedded	C2 EMC filter	
	Available as an option	C1 EMC filter	
Motor power		kW/HP	
		0.18/0.25	ATV312H018M2
		0.37/0.5	ATV312H037M2
		0.55/0.75	ATV312H055M2
		0.75/1	ATV312H075M2
		1.1/1.5	ATV312HU11M2
		1.5/2	ATV312HU15M2
		2.2/3	ATV312HU22M2
		3/-	
		4/5	
		5.5/7.5	
		7.5/10	
	11/15		
	15/20		

(1) C2 up to 4 kW - C3 above 4 kW





EMC filters	Three-phase 200... 240 V without EMC filter	Three-phase 380... 500 V with integrated EMC filters	Three-phase 525... 600 V without EMC filters
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/frequency)						
ensorless flux vector control)						
ominal motor torque						
ay, remote terminals (IP54 or IP65), Altivar 61/71 remote graphic display terminal						
, DeviceNet, Profibus DP, Modbus TCP, Fipio						
rating						
			C2 EMC filter (1)			
	C2 EMC filter		C1 and C2 EMC filter			
T3	ATV312H018M3	T1				
T3	ATV312H037M3	T1	ATV312H037N4	T5		
T4	ATV312H055M3	T2	ATV312H055N4	T5		
T4	ATV312H075M3	T2	ATV312H075N4	T5	ATV312H075S6	T6
T6	ATV312HU11M3	T5	ATV312HU11N4	T6		
T6	ATV312HU15M3	T5	ATV312HU15N4	T6	ATV312HU15S6	T6
T7	ATV312HU22M3	T6	ATV312HU22N4	T7	ATV312HU22S6	T7
	ATV312HU30M3	T7	ATV312HU30N4	T7		
	ATV312HU40M3	T7	ATV312HU40N4	T7	ATV312HU40S6	T7
	ATV312HU55M3	T8	ATV312HU55N4	T8	ATV312HU55S6	T8
	ATV312HU75M3	T8	ATV312HU75N4	T8	ATV312HU75S6	T8
	ATV312HD11M3	T9	ATV312HD11N4	T9	ATV312HD11S6	T9
	ATV312HD15M3	T9	ATV312HD15N4	T9	ATV312HD15S6	T9





Schneider Electric Industries S.A.S.

Head office
35 rue Joseph Monier
92500 Rueil-Malmaison
FRANCE

www.schneider-electric.com

ART : 960367

Due to possible changes in standards and equipment, the features described in this document in the form of text and images are subject to confirmation by Schneider Electric.
Designed and created by: Gavrinis

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