

Selection guide

Altivar 21

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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.
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Schneider
 **Electric**

Dimensions (in mm) width x height x depth

IP20	IP54
T1A: 107 x 143 x 150	T1: 215 x 297 x 192
T2A: 142 x 184 x 150	T2: 230 x 340 x 280
T3A: 180 x 232 x 170	T3: 290 x 560 x 315
T4A: 245 x 329,5 x 190	T4: 310 x 665 x 315
T5A: 240 x 420 x 210	T5: 284 x 720 x 315
T6A: 320 x 630 x 290	T6: 284 x 880 x 343
T7A: 240 x 550 x 266	T7: 362 x 1000 x 364
T8A: 320 x 630 x 290	

Type of drive
Supply voltage

Three-phase

IP20
200... 240 V

IP20
380... 480 V

IP54
380... 480 V

Degree of protection			IP21 and IP41 on the upper part				IP54 drive available in two standard versions, ATV21W...N4 C2 EMC or ATV21W...N4C C1 EMC			
Output frequency			0.5... 200 Hz							
Type of control			kn2 quadratic ratio, sensorless flux vector control, voltage/frequency ratio (2 points), energy saving ratio							
Speed range			1 to 10							
I/O	Analog inputs		1 switch-configurable current or voltage analog input, and 1 configurable voltage analog input/PTC probe input							
	Logic inputs		3 programmable logic inputs							
	Analog outputs		1 switch-configurable current or voltage analog output							
	Relay outputs		2 relay logic outputs							
Dialog			Integrated display terminal with local controls (1) or remote display terminal or PC software (see page 4/11)							
Communication	Embedded		Modbus RTU							
	As an option		HVAC protocols: LonWorks, METASYS N2, APOGEE FLN, BACnet							
EMC filter	Integrated		–		C2 EMC		C2 EMC		C1 EMC	
	As an option		C2 EMC		C1 EMC		–			
Motor power	kW/HP	0.75/1	ATV21H075M3X T1A		ATV21H075N4 T1A		ATV21W075N4 T1		ATV21W075N4C T1	
		1.5/2	ATV21HU15M3X T1A		ATV21HU15N4 T1A		ATV21WU15N4 T1		ATV21WU15N4C T1	
		2.2/3	ATV21HU22M3X T1A		ATV21HU22N4 T1A		ATV21WU22N4 T1		ATV21WU22N4C T1	
		3/–	ATV21HU30M3X T2A		ATV21HU30N4 T2A		ATV21WU30N4 T2		ATV21WU30N4C T2	
		4/5	ATV21HU40M3X T2A		ATV21HU40N4 T2A		ATV21WU40N4 T2		ATV21WU40N4C T2	
		5.5/7.5	ATV21HU55M3X T3A		ATV21HU55N4 T2A		ATV21WU55N4 T2		ATV21WU55N4C T2	
		7.5/10	ATV21HU75M3X T3A		ATV21HU75N4 T3A		ATV21WU75N4 (3) T2		ATV21WU75N4C T2	
		11/15	ATV21HD11M3X T4A		ATV21HD11N4 T3A		ATV21WD11N4 (3) T3		ATV21WD11N4C T3	
		15/20	ATV21HD15M3X T4A		ATV21HD15N4 T4A		ATV21WD15N4 (3) T3		ATV21WD15N4C T3	
		18.5/25	ATV21HD18M3X T4A		ATV21HD18N4 T4A		ATV21WD18N4 (3) T4		ATV21WD18N4C T4	
		22/30	ATV21HD22M3X T5A		ATV21HD22N4 (2) T5A		ATV21WD22N4 (3) T5		ATV21WD22N4C T5	
		30/40	ATV21HD30M3X T6A		ATV21HD30N4 (2) T5A		ATV21WD30N4 (3) T5		ATV21WD30N4C T5	
		37/50	–		ATV21HD37N4 T7A		ATV21WD37N4 T6		ATV21WD37N4C T6	
		45/60	–		ATV21HD45N4 T7A		ATV21WD45N4 T6		ATV21WD45N4C T6	
		55/75	–		ATV21HD55N4 T8A		ATV21WD55N4 T7		ATV21WD55N4C T7	
		75/100	–		ATV21HD75N T8A		ATV21WD75N4 T7		ATV21WD75N4C T7	

(1) Drive with local controls, Run/Stop, Loc/Rem. keys

(2) For the product references ATV21HD22N4 and ATV21HD30N4, refer to the Schneider Electric catalog.

(3) For the product references ATV21WU75...D30N4, refer to the Schneider Electric catalog.