

ATV61 IP20 Drives – Optimised for industrial HVAC applications

0.37kW to 90 kW IP20 drives. Note: up to 630kW available on request

The ATV61 is designed for more advanced variable torque applications than the ATV21. It is a multi functional power product ideal for the industrial HVAC market segment.

The ATV61 offers:

- compatibility with high torque pumps and fans
- ratings above 75kW
- single phase applications
- 230V 3-phase with EMC filtering
- user friendly graphical interface need.
- complex and high I/O count functions



IP20

Type of drive		ATV61/IP20	ATV61/IP20	ATV61/IP20
Supply voltage		200 to 240 V Single phase	200 to 240 V Three phase	380 to 480 V Three phase
Degree of protection		IP21 for unprotected drives and IP41 on the upper part		
Drive	Output frequency	0.5 to 1000 Hz up to 37 kW; 0.5 to 500 Hz from 45 to 630 kW		
	Transient over-torque	120 to 130% of the nominal drive current for 60 seconds		
Speed range		1 to 100 in open loop mode		
Functions	Number of functions	> 150		
	Number of preset speeds	16		
	Number of I/O	2 - 4 analogue inputs / 6 - 20 logic inputs		
		1 - 3 analogue outputs / 0 - 4 logic outputs		
		2 - 4 relay outputs		
1 safety input				
Dialogue		Remote graphic display terminal or PowerSuite software workshop (refer to Schneider Electric catalogue)		
Communication	Integrated	MODBUS® and CANopen		
	Available as an option	HVAC protocols: LonWorks®, BACnet®		
	Available as option on request	Industrial: Ethernet TCP/IP, Modbus/Uni-Telway, Fipio, Modbus Plus, Profibus DP, DeviceNet, INTERBUS, APOGEE FLN, METASYS N2		
Cards (available as an option on request)		Multi-pump cards, I/O extension cards, "Controller Inside" programmable card		
Reduction of current harmonics		DC choke integrated or supplied with the product (optional chokes and passive filters)		

ATV61 IP20 drives – Selection and ordering

Type of drive	ATV61/IP20			ATV61/IP20			ATV61/IP20		
Supply voltage	200 to 240 V Single phase (1)			200 to 240 V Three phase			380 to 480 V Three phase		
EMC	Class A			Integrated filter					
	Class B			External filter available as an option					
Motor power kW/HP	Part Number	Size	Weight	Part Number	Size	Weight	Part Number	Size	Weight
0.37kW / 0.5HP	326-0201-000	S2	4.3kg	--	--	--	--	--	--
0.75kW / 1HP	326-0203-000	S2	4.3kg	326-0201-000	S2	4.3kg	326-0301-000	S2	4.4kg
1.5kW / 2HP	326-0205-000	S3	5.7kg	326-0203-000	S2	4.3kg	326-0303-000	S2	4.2kg
2.2kW / 3HP	326-0207-000	S3	5.7kg	326-0205-000	S3	5.7kg	326-0305-000	S2	4.4kg
3kW / 4HP	326-0209-000 (2)	S3	5.7kg	326-0207-000	S3	5.7kg	326-0307-000	S3	5.8kg
4kW / 5HP	326-0211-000 (2)	S4	11kg	326-0209-000	S3	5.7kg	326-0309-000	S3	5.8kg
5.5kW / 7.5HP	326-0213-000 (2)	S5A	9.8kg	326-0211-000	S4	11kg	326-0311-000	S4	7.6kg
7.5kW / 10HP	--	--	--	326-0213-000	S5A	9.8kg	326-0313-000	S4	8.1kg
11kW / 15HP	--	--	--	326-0215-000 (3)	S5B	20.5kg	326-0315-000	S5A	11.5kg
15kW / 20HP	--	--	--	326-0217-000 (3)	S5B	20.5kg	326-0317-000	S5B	21.8kg
18.5kW / 25HP	--	--	--	326-0219-000 (3)	S6	24kg	326-0319-000	S5B	25.7kg
22kW / 30HP	--	--	--	326-0221-000 (3)	S6	24kg	326-0321-000	S6	30.8kg
30kW / 40HP	--	--	--	326-0223-000 (3)	--	47kg	326-0323-000	S7A	40.5kg
37kW / 50HP	--	--	--	326-0225-000 (3)	S7B	47kg	326-0325-000	S7A	41.5kg
45kW / 60HP	--	--	--	326-0227-000 (3)	S7B	47kg	326-0327-000	S8	56.5kg
55kW / 75HP	--	--	--	326-0229-000 (3)	S9	70kg	326-0329-000	S8	70kg
75kW / 100HP	--	--	--	326-0231-000 (3)	S9	70kg	326-0331-000	S8	38.2kg
90kW / 125HP	--	--	--	326-0233-000 (3)	S10	85kg	326-0333-000	S9	85kg

(1) Must be used with a line choke (see page 18).

(2) For single phase operation, motor power is reduced to the next size down.

(3) Drive supplied without EMC filter

Dimensions (in mm) width x height x depth

S2 : 130 x 230 x 175	S3 : 155 x 260 x 187
S4 : 175 x 295 x 187	S5A : 210 x 295 x 213
S5B : 230 x 400 x 213	S6 : 240 x 420 x 236
S7A : 240 x 550 x 266	S7B : 320 x 550 x 266
S8 : 320 x 630 x 290	S9 : 320 x 920 x 377
S10 : 360 x 630 x 290	S11 : 340 x 1190 x 377
S12 : 440 x 1190 x 377	S13 : 595 x 1190 x 377
S14 : 890 x 1390 x 377	S15 : 1120 x 1390 x 377