



Dimensiones (en mm)	frente x alto x fondo (1)
Tamaño 1	: 72 x 142 x 101/ 2: 72 x 142 x 125
3	: 72 x 142 x 138/ 4: 117 x 142 x 156

Rango			Europa	America	Asia
Frecuencia de salida			0.5...200 Hz		
Tipo de control			Control_Flujo_Vectorial_sin_sensor		
Velocidades prefijadas			1 to 20		
Grado de protección			IP20		
E/S	Entrada analógica		1 configurable		
	Entrada digital		4 configurables		
	Salidas		1 Pulso de ancho modulado colector abierto o digital		
	Salida relevador		1 rele		
Dialogo			Integrado en pantalla frontal o programa PowerSuite (2)		
EMC			Integrado clase B	Externo como opción	Externo como opción
Control local (3)/Logica negativa			No	No	Si
Standard NEC 208 V 1999			No	Yes	No
Alimentación			Una_fase 100...120 V		
Potencia del motor	kW/HP	0.18/0.25	–	ATV11HU05F1U Size 1	ATV11HU05F1A Size 1
		0.37/0.5	–	ATV11HU09F1U Size 2	ATV11HU09F1A Size 2
		0.75/1	–	ATV11HU18F1U Size 4	ATV11HU18F1A Size 4
Alimentación			Dos_fases 200...240 V		
Potencia del motor	kW/HP	0.18/0.25	ATV11HU05M2E Size 1	ATV11HU05M2U Size 1	ATV11HU05M2A Size 1
		0.37/0.5	ATV11HU09M2E Size 2	ATV11HU09M2U Size 2	ATV11HU09M2A Size 2
		0.55	ATV11HU12M2E Size 3	–	–
		0.75/1	ATV11HU18M2E Size 3	ATV11HU18M2U Size 3	ATV11HU18M2A Size 3
		1.5/2	ATV11HU29M2E Size 4	ATV11HU29M2U Size 4	ATV11HU29M2A Size 4
		2.2/3	ATV11HU41M2E Size 4	ATV11HU41M2U Size 4	ATV11HU41M2A Size 4
Alimentación			Tres_fases 200...230 V		
Potencia del motor	kW/HP	0.18/0.25	–	ATV11HU05M3U Size 1	ATV11HU05M3A Size 1
		0.37/0.5	–	ATV11HU09M3U Size 2	ATV11HU09M3A Size 2
		0.75/1	–	ATV11HU18M3U Size 3	ATV11HU18M3A Size 3
		1.5/2	–	ATV11HU29M3U Size 4	ATV11HU29M3A Size 4
		2.2/3	–	ATV11HU41M3U Size 4	ATV11HU41M3A Size 4

(1) Rango Asia : Adicionar 7 mm de profundidad (altura del potenciometro)

(2) PowerSuite software,

(3) Control local : Run/Stop keys and potentiometer

Drives on base plate



Dimensions (in mm)	width x height x depth (1)
1 size:	72 x 142 x 101

Range			Europe	America	Asia
Supply voltage			Single phase 100...120 V		
Motor power	kW/HP	0.37/0.5	–	ATV11PU09F1U	ATV11PU09F1A
Supply voltage			Single phase 200...240 V		
Motor power	kW/HP	0.37/0.5	ATV11PU09M2E	ATV11PU09M2U	ATV11PU09M2A
		0.55	ATV11PU12M2E	–	–
		0.75/1	ATV11PU18M2E	ATV11PU18M2U	ATV11PU18M2A
Supply voltage			Three phase 200...230 V		
Motor power	kW/HP	0.37/0.5	–	ATV11PU09M3U	ATV11PU09M3A
		0.75/1	–	ATV11PU18M3U	ATV11PU18M3A

(1) Asia range: Add 7 mm to depth (height of the potentiometer)

Altivar 21

0.75...75 kW

Aire acondicionado Bombeo⁽¹⁾ UL 1/IP20 and IP54 drives

Dimensiones (en mm)		ancho x alto x fondo	
IP20		IP54	
S1A : 107 x 143 x 150	S1 : 215 x 297 x 192		
S2A : 142 x 184 x 150	S2 : 230 x 340 x 208		
S3A : 180 x 232 x 170	S3 : 290 x 560 x 315		
S4A : 245 x 329,5 x 190	S4 : 310 x 665 x 315		
S5A : 240 x 420 x 210	S5 : 284 x 720 x 315		
S6A : 320 x 630 x 290	S5 : 284 x 880 x 343		
S7A : 240 x 550 x 266	S5 : 362 x 1000 x 364		
S8A : 320 x 630 x 290			



Drive		IP20		IP54	
Alimentación		200...240 V		380...480 V	
Tres fases					
Grado de protección		IP21 y IP41 en la sección superior		ATV21W...N4 class A or ATV21W...N4C class B	
Frecuencia de salida		0.5...200 Hz			
Tipo de control		Relación cuadrática $\frac{1}{s^2}$, control flujo vectorial sin sensor, voltaje/frecuencia (2 puntos), ahorro energía			
Rangos preselección		1 a 10			
E/S		1 interruptor configura voltaje o corriente, y 1 como PTC			
Entradas analógicas					
Entradas digitales		3 programables			
Salida analoga		1 salida-configurable corriente o voltaje			
Salida relevador		2 relés digitales			
Dialogo		Integrado display terminal con controles locales (2) o display remoto o PC software			
Comunicación		Modbus RTU			
Opcional		HVAC protocols: LonWorks, METASYS N2, APOGEE FLN, BACnet			
EMC		Clase A		Clase B	
		Externo opcional		Integrado clase A	
		Externo opcional		Externo opcional	
				Integrado clase B	
Potencia del motor		kW/HP			
		0,75 / 1		ATV21H075M3X S1A ATV21H075N4 S1A ATV21W075N4 S1 ATV21W075N4C S1	
		1,5 / 2		ATV21HU15M3X S1A ATV21HU15N4 S1A ATV21WU15N4 S1 ATV21WU15N4C S1	
		2,2 / 3		ATV21HU22M3X S1A ATV21HU22N4 S1A ATV21WU22N4 S1 ATV21WU22N4C S1	
		3 / -		ATV21HU30M3X S2A ATV21HU30N4 S2A ATV21WU30N4 S2 ATV21WU30N4C S2	
		4 / 5		ATV21HU40M3X S2A ATV21HU40N4 S2A ATV21WU40N4 S2 ATV21WU40N4C S2	
		5,5 / 7,5		ATV21HU55M3X S3A ATV21HU55N4 S2A ATV21WU55N4 S2 ATV21WU55N4C S2	
		7,5 / 10		ATV21HU75M3X S3A ATV21HU75N4 S3A ATV21WU75N4 S2 ATV21WU75N4C S2	
		11 / 15		ATV21HD11M3X S4A ATV21HD11N4 S3A ATV21WD11N4 S3 ATV21WD11N4C S3	
		15 / 20		ATV21HD15M3X S4A ATV21HD15N4 S4A ATV21WD15N4 S3 ATV21WD15N4C S3	
		18,5 / 25		ATV21HD18M3X S4A ATV21HD18N4 S4A ATV21WD18N4 S4 ATV21WD18N4C S4	
		22 / 30		ATV21HD22M3X S5A ATV21HD22N4 S5A ATV21WD22N4 S5 ATV21WD22N4C S5	
		30 / 40		ATV21HD30M3X S6A ATV21HD30N4 S5A ATV21WD30N4 S5 ATV21WD30N4C S5	
		37 / 50		- ATV21HD37N4 S7A ATV21WD37N4 S6 ATV21WD37N4C S6	
		45 / 60		- ATV21HD45N4 S7A ATV21WD45N4 S6 ATV21WD45N4C S6	
		55 / 75		- ATV21HD55N4 S8A ATV21WD55N4 S7 ATV21WD55N4C S7	
		75 / 100		- ATV21HD75N4 S8A ATV21WD75N4 S7 ATV21WD75N4C S7	

(1) Heating Ventilation Air Conditioning

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

Pantalla remota



Description	The Altivar 21 drive can be connected to a remote display terminal. The display terminal can be mounted on the door of an enclosure with IP54 protection on the front panel. Max. operating temperature: 40°C Supplied with: - 1 cable with 2 RJ45 connectors, length 3.6 m - Seal and screws for IP54 mounting on an enclosure door
Reference	VW3A21101

Altivar 31

0.18...15 kW

Maquinas Secundarias Variadores

Dimensiones (in mm)	frente x alto x fondo
Size 1: 72 x 145 x 120 / Size 2: 72 x 145 x 130	
Size 3: 72 x 145 x 140 / Size 4: 72 x 145 x 145	
Size 5: 105 x 143 x 130 / Size 6: 107 x 143 x 150	
Size 7: 142 x 184 x 150 / Size 8: 180 x 232 x 170	
Size 9: 245 x 330 x 190	



Alimentación		Una fase 200...240 V	Tres fases 200...240 V	380...500 V			
Output frequency		0.5...500 Hz					
Type of control		Sensorless flux vector control					
Speed range		1 to 50					
Degree of protection		IP31 and IP41 on upper part and IP21 on connection terminals					
I/O	Analog inputs	3 configurable analog inputs					
	Logic inputs	6 programmable logic inputs					
	Analog outputs	1 current analog output (assignable as logic output) and 1 voltage analog output					
	Relay outputs	2 relay logic outputs					
Dialogue		Integrated display terminal with or without local controls (1) or PowerSuite software workshop (see page 4/30)					
Communication (see page 4/30)	Integrated	Modbus and CANopen					
	Available as an option	DeviceNet, Ethernet TCP/IP, Fipio, Profibus DP					
EMC	Class A	Integrated class A filter	External filter available as an option	Integrated class A filter			
	Class B	External filter available as an option					
Potencia del motor kW/HP	0.18/0.25 0.37/0.5 0.55/0.75 0.75/1 1.1/1.5 1.5/2 2.2/3 3/- 4/5 5.5/7.5 7.5/10 11/15 15/20	ATV31H018M2	Size 3	ATV31H018M3X	Size 1	-	
		ATV31H037M2	Size 3	ATV31H037M3X	Size 1	ATV31H037N4	Size 5
		ATV31H055M2	Size 4	ATV31H055M3X	Size 2	ATV31H055N4	Size 5
		ATV31H075M2	Size 4	ATV31H075M3X	Size 2	ATV31H075N4	Size 6
		ATV31HU11M2	Size 6	ATV31HU11M3X	Size 5	ATV31HU11N4	Size 6
		ATV31HU15M2	Size 6	ATV31HU15M3X	Size 5	ATV31HU15N4	Size 6
		ATV31HU22M2	Size 7	ATV31HU22M3X	Size 6	ATV31HU22N4	Size 7
		-	-	ATV31HU30M3X	Size 7	ATV31HU30N4	Size 7
		-	-	ATV31HU40M3X	Size 7	ATV31HU40N4	Size 7
		-	-	ATV31HU55M3X	Size 8	ATV31HU55N4	Size 8
		-	-	ATV31HU75M3X	Size 8	ATV31HU75N4	Size 8
		-	-	ATV31HD11M3X	Size 9	ATV31HD11N4	Size 9
-	-	ATV31HD15M3X	Size 9	ATV31HD15N4	Size 9		

(1) For drive with local controls (Run/Stop keys and potentiometer) add an "A" at the end of the reference.
To order a drive intended for spooling applications, add a «T» at the end of the reference.

Enclosed drives

Dimensions (in mm)	width x height x depth
Size 1: 210 x 240 x 163 / Size 2: 215 x 297 x 192	
Size 3: 230 x 340 x 208 / Size 4: 320 x 512 x 276	
Size 5: 440 x 625 x 276	



Supply voltage		Single phase 200...240 V	Three phase 380...500 V		
Degree of protection		IP55			
Description		Enclosure equipped with an ATV31 drive with external heatsink. Removable covers for adding 1 switch-disconnector or 1 circuit-breaker, 3 buttons and/or LEDs, 1 potentiometer			
Motor power kW/HP	0.18/0.25 0.37/0.5 0.55/0.75 0.75/1 1.1/1.5 1.5/2 2.2/3 3/- 4/5 5.5/7.5 7.5/10 11/15 15/20	ATV31C018M2	Size 1	-	
		ATV31C037M2	Size 1	ATV31C037N4	Size 2
		ATV31C055M2	Size 1	ATV31C055N4	Size 2
		ATV31C075M2	Size 1	ATV31C075N4	Size 2
		ATV31CU11M2	Size 2	ATV31CU11N4	Size 2
		ATV31CU15M2	Size 2	ATV31CU15N4	Size 2
		ATV31CU22M2	Size 3	ATV31CU22N4	Size 3
		-	-	ATV31CU30N4	Size 3
		-	-	ATV31CU40N4	Size 3
		-	-	ATV31CU55N4 (2)	Size 4
		-	-	ATV31CU75N4 (2)	Size 4
		-	-	ATV31CD11N4 (2)	Size 5
-	-	ATV31CD15N4 (2)	Size 5		

Drive kit (Altivar 31 drive on metal support plate with EMC filter): Please consult your Schneider Electric sales office. (2) Drive in metal enclosure without cover.

Dimensiones (in mm) ancho x alto x fondo	
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 1022 x 377	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



Tipo de ariador alimentación		Una fase 200...240 V (3)	Tres fases 200...240 V (3)	Tres fases 380...480 V (3)	
Degree of protection		IP21 for unprotected drives and IP41 on the upper part			
Drive	Output frequency	0.5...1600 Hz up to 37 kW; 0.5...500 Hz from 45 to 630 kW			
	Type of control	Asynchronous motor	kn ² quadratic ratio, flux vector control with or without sensor, voltage/frequency ratio (2 or 5 points), energy saving ratio		
	Synchronous motor	Vector control without speed feedback			
Transient overtorque		120...130% of the nominal drive current for 60 seconds			
Speed range		1...100 in open loop mode			
Funciones	Número de funciones	> 150			
	Número de velocidades preseleccionadas	16			
	Número de entradas salidas	Entradas analógicas 2...4/Digitales 6...20 Salidas analógicas 1...3/Digitales 0...8 Salidas Rele 2...4 Entrada de seguridad input 1			
Dialogo		Remote graphic display terminal or PowerSuite software workshop (see pages 4/17 and 4/30)			
Communication (see page 4/30)	Integrated	Modbus and CANopen			
	Available as an option	HVAC protocols: LonWorks, BACnet, METASYS N2, APOGEE FLN Industrial: Ethernet TCP/IP, Modbus/Uni-Telway, Fipio, Modbus Plus, Profibus DP, DeviceNet, INTERBUS			
Cards (available as an option)		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, see page 4/18)			
EMC	Class A	Integrated filter			
	Class B	External filter available as an option			
Motor power	kW/HP	0.37/0.5	ATV61H075M3 S2	–	
		0.75/1	ATV61HU15M3 S2	ATV61H075M3 S2	ATV61H075N4 (3) S2
		1.5/2	ATV61HU22M3 S3	ATV61HU15M3 S2	ATV61HU15N4 (3) S2
		2.2/3	ATV61HU30M3 S3	ATV61HU22M3 S3	ATV61HU22N4 (3) S2
		3/–	ATV61HU40M3 (1) S3	ATV61HU30M3 S3	ATV61HU30N4 (3) S3
		4/5	ATV61HU55M3 (1) S4	ATV61HU40M3 S3	ATV61HU40N4 (3) S3
		5.5/7.5	ATV61HU75M3 (1) S5A	ATV61HU55M3 S4	ATV61HU55N4 (3) S4
		7.5/10	–	ATV61HU75M3 S5A	ATV61HU75N4 (3) S4
		11/15	–	ATV61HD11M3X(2) S5B	ATV61HD11N4 (3) S5A
		15/20	–	ATV61HD15M3X(2) S5B	ATV61HD15N4 (3) S5B
		18.5/25	–	ATV61HD18M3X(2) S6	ATV61HD18N4 (3) S5B
		22/30	–	ATV61HD22M3X(2) S6	ATV61HD22N4 (3) S6
		30/40	–	ATV61HD30M3X(2) S7B	ATV61HD30N4 (3) S7A
		37/50	–	ATV61HD37M3X(2) S7B	ATV61HD37N4 (3) S7A
		45/60	–	ATV61HD45M3X(2) S7B	ATV61HD45N4 (3) S8
		55/75	–	ATV61HD55M3X(2) S9	ATV61HD55N4 (3) S8
		75/100	–	ATV61HD75M3X(2) S9	ATV61HD75N4 (3) S8
		90/125	–	ATV61HD90M3X(2) S10	ATV61HD90N4 (3) S9
		110/150	–	–	ATV61HC11N4 S9
		132/200	–	–	ATV61HC13N4 S10
		160/250	–	–	ATV61HC16N4 S11
		200/300	–	–	ATV61HC22N4 S12
		220/350	–	–	ATV61HC22N4 S12
		250/400	–	–	ATV61HC25N4 S13
		280/450	–	–	ATV61HC31N4 S13
		315/500	–	–	ATV61HC31N4 S13
		355/–	–	–	ATV61HC40N4 S14
		400/600	–	–	ATV61HC40N4 S14
		500/700	–	–	ATV61HC50N4 S14
		560/800	–	–	ATV61HC63N4 S15
		630/900	–	–	ATV61HC63N4 S15

(1) Must be used with a line choke, see page 4/18

(2) Drive supplied without EMC filter

(3) To order a reinforced version of the drive for specific environmental conditions, conforming to IEC 60721-3-3 class 3c2, add **S337** at the end of the reference.

E.g. ATV61H075N4**S337**

Dialogue accessories



Accessory	Remote graphic display terminal	Remote mounting kit (1)
Description	This display terminal is attached to the front of the drive. It includes the integrated 7-segment display terminal for drives supplied without a graphic display terminal.	A remote mounting kit for mounting on an enclosure door with IP54 degree of protection. It includes: ■ All the mechanical fittings ■ Fixing accessories
References	VW3A1101	VW3A1102

(1) Use a VW3A1104R remote-mounting connection cable, to be ordered separately (please consult the "Soft starters and variable speed drives" catalogue)

Additional EMC input filters

The additional EMC input filters can be used to meet the requirements of the EMC "products" standard IEC/EN 61800-3, edition 2, category C2 or C3 in environment 1 or 2.

Type of drive	Three phase 200...240 V 50/60 Hz			380...480 V 50/60 Hz		
		Class A	Class B		Class A	Class B
Maximum length of shielded cable						
ATV61H075M3, HU15M3	VW3A4401	100 m	50 m	–		
ATV61HU22M3...HU40M3	VW3A4402	100 m	50 m	–		
ATV61HU55M3	VW3A4403	100 m	50 m	–		
ATV61HU75M3	VW3A4404	100 m	50 m	–		
ATV61HD11M3X, HD15M3X	VW3A4405	200 m	50 m	–		
ATV61HD18M3X, HD22M3X	VW3A4406	200 m	50 m	–		
ATV61HD30M3X...HD45M3X	VW3A4408	200 m	50 m	–		
ATV61HD55M3X, HD75M3X	VW3A4410	100 m	50 m	–		
ATV61HD90M3X	VW3A4411	100 m	50 m	–		
ATV61●075N4(C)...●U22N4(C)	–			VW3A4401	100 m	50 m
ATV61●U30N4(C), ●U40N4(C)	–			VW3A4402	100 m	50 m
ATV61●U55N4(C), ●U75N4(C)	–			VW3A4403	100 m	50 m
ATV61●D11N4(C)	–			VW3A4404	100 m	50 m
ATV61●D15N4(C), ●D18N4(C)	–			VW3A4405	300 m	100 m
ATV61●D22N4(C)	–			VW3A4406	300 m	100 m
ATV61●D30N4(C), ●D37N4(C)	–			VW3A4407	300 m	100 m
ATV61●D45N4(C)...●D75N4(C)	–			VW3A4408	300 m	100 m
ATV61●D90N4(C)...HC16N4, ATV61E5C11N4...E5C16N4	–			VW3A4410	300 m	50 m
ATV61HC22N4...HC31N4, ATV61E5C22N4...E5C31N4	–			VW3A4411	300 m	50 m
ATV61HC40N4, HC50N4, ATV61E5C40N4, E5C50N4	–			VW3A4412	300 m	50 m
ATV61HC63N4, ATV61E5C63N4	–			VW3A4413	300 m	50 m

● Applies to the following drives: ATV61H...N4, ATV61H...N4C, ATV61W...N4, ATV61W...N4C

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 1022 x 377	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



Type of drive		Single phase	Three phase	Three phase	Three phase on base plate	
Supply voltage		200...240 V (3) (4)	200...240 V (3) (4)	380...480 V (3) (4)	380...480 V (3)	
Degree of protection		IP21 for unprotected drives and IP41 on the upper part				
Drive	Output frequency	0.1...1600 Hz up to 37 kW, 0.1...500 Hz from 45 to 500 kW				
	Type of control	Asynchronous motor	Flux vector control with or without sensor, voltage/frequency ratio (2 or 5 points), ENA System			
		Synchronous motor	Vector control without speed feedback and with speed feedback (...S383)			
Transient overtorque		220% of nominal motor torque for 2 seconds, and 170% for 60 seconds				
Speed range		1...1000 in closed loop mode with encoder feedback, 1...100 in open loop mode				
Functions	Number of functions	> 150				
	Number of preset speeds	16				
	Number of I/O	Analog inputs	2...4			
		Logic inputs	6...20			
	Analog outputs	1...3				
	Logic outputs	0...8				
	Relay outputs	2...4				
Safety input	1					
Dialogue		Remote graphic display terminal or PowerSuite software workshop (see pages 4/25 and 4/30)				
Communication (see page 4/30)	Integrated	Modbus and CANopen				
	Available as an option	Ethernet TCP/IP, Modbus/Uni-Telway, Fipio, Modbus Plus, Profibus DP, DeviceNet, INTERBUS				
Cards (available as an option)		Encoder interface 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, see page 4/26)				
EMC	Class A	Integrated filter				
	Class B	External filter available as an option				
Motor power	kW/HP	0.37/0.5	ATV71H075M3 S2	ATV71H037M3 S2	-	-
		0.75/1	ATV71HU15M3 S2	ATV71H075M3 S2	ATV71H075N4 (3) (4) S2	ATV71P075N4Z S2
		1.5/2	ATV71HU22M3 S3	ATV71HU15M3 S2	ATV71HU15N4 (3) (4) S2	ATV71PU15N4Z S2
		2.2/3	ATV71HU30M3 S3	ATV71HU22M3 S3	ATV71HU22N4 (3) (4) S2	ATV71PU22N4Z S2
		3/-	ATV71HU40M3 (1) S3	ATV71HU30M3 S3	ATV71HU30N4 (3) (4) S3	ATV71PU30N4Z S3
		4/5	ATV71HU55M3 (1) S4	ATV71HU40M3 S3	ATV71HU40N4 (3) (4) S3	ATV71PU40N4Z S3
		5.5/7.5	ATV71HU75M3 (1) S5A	ATV71HU55M3 S4	ATV71HU55N4 (3) (4) S4	ATV71PU55N4Z S4
		7.5/10	-	ATV71HU75M3 S5A	ATV71HU75N4 (3) (4) S4	ATV71PU75N4Z S4
		11/15	-	ATV71HD11M3X (2) S5B	ATV71HD11N4 (3) (4)S5A	-
		15/20	-	ATV71HD15M3X (2) S5B	ATV71HD15N4 (3) (4)S5B	-
		18.5/25	-	ATV71HD18M3X (2) S6	ATV71HD18N4 (3) (4)S5B	-
		22/30	-	ATV71HD22M3X (2) S6	ATV71HD22N4 (3) (4) S6	-
		30/40	-	ATV71HD30M3X (2) S7B	ATV71HD30N4 (3) (4)S7A	-
		37/50	-	ATV71HD37M3X (2) S7B	ATV71HD37N4 (3) (4)S7A	-
		45/60	-	ATV71HD45M3X (2) S7B	ATV71HD45N4 (3) (4) S8	-
		55/75	-	ATV71HD55M3X (2) S9	ATV71HD55N4 (3) (4) S8	-
		75/100	-	ATV71HD75M3X (2) S10	ATV71HD75N4 (3) (4) S8	-
		90/125	-	-	ATV71HD90N4 S9	-
		110/150	-	-	ATV71HC11N4 S10	-
		132/200	-	-	ATV71HC13N4 S11	-
		160/250	-	-	ATV71HC16N4 S12	-
		200/300	-	-	ATV71HC20N4 S13	-
		220/350	-	-	ATV71HC25N4 S13	-
		280/450	-	-	ATV71HC28N4 S13	-
		315/500	-	-	ATV71HC31N4 S14	-
		355/-	-	-	ATV71HC40N4 S14	-
		500/700	-	-	ATV71HC50N4 S15	-

(1) Must be used with a line choke, see page 4/26

(2) Drive supplied without EMC filter

(3) To order a reinforced version of the drive for specific environmental conditions, conforming to IEC 60721-3-3 class 3c2, add **S337** at the end of the reference.

E.g. ATV71H075N4**S337**

(4) To order a drive for synchronous motor with speed feedback, add **S383** at the end of the reference. E.g. ATV71H075N4**S383**



Multilingual configuration software		For PC
Configuration of drives and starters		Altistart 48, Altivar (except Altivar 21) and TeSys model U
Environment		Microsoft Windows ®
Languages		English - French - German - Italian - Spanish
References	PowerSuite CD-ROM	VW3A8104
	PowerSuite update CD-ROM	VW3A8105
	Connection kit for serial port	VW3A8106

Accessories

Multilingual configuration software		Bluetooth® adaptor	
Description		Modbus - Bluetooth®	USB - Bluetooth® for PC
References		VW3A8114 (1)	VW3A8115

(1) Can also be used to communicate between a Twido PLC and the TwidoSoft software workshop

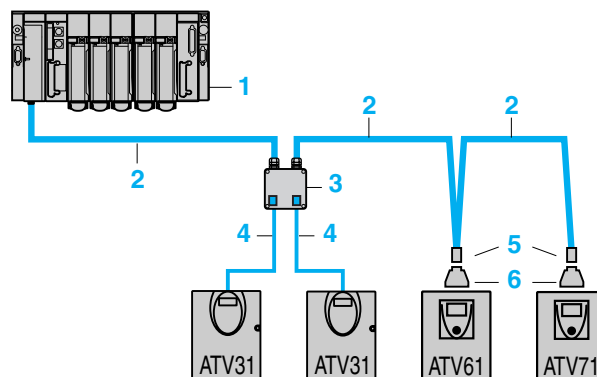
CANopen communication bus: connection accessories



Drives	Tap junction VW3CANTAP2		CANopen adaptor	CANopen connector
	0.3 m cable	1 m cable		
ATV31	2 RJ45 connectors		–	–
ATV61 and ATV71	–		RJ 45 to 9-way male SUB-D	9-way female SUB-D output for 2 cables at 180°
References	VW3CANCARR03	VW3CANCARR1	VW3CANA71	VW3CANKCDF180T

CANopen cables

		CANopen LSZH	CANopen UL/IEC332-2	LSZH HD flexible CANopen
References	L = 50 m	TSXCANCA50	TSXCANCB50	TSXCANCD50
	L = 100 m	TSXCANCA100	TSXCANCB100	TSXCANCD100
	L = 300 m	TSXCANCA300	TSXCANCB300	TSXCANCD300



- 1 PLC
- 2 CANopen trunk cable TSXCANC●●
- 3 CANopen tap junction VW3CANTAP2
- 4 CANopen drop cable VW3CANCARR●●
- 5 CANopen connector VW3CANKCDF180T
- 6 CANopen adaptor VW3CANA71

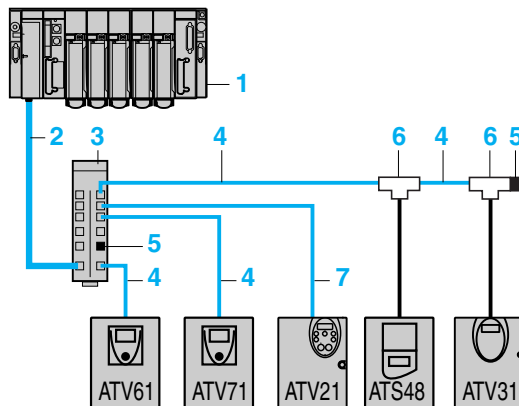
Modbus communication bus: connection accessories



Starters/drives Altistart 48, Altivar 21, 31, 61, 71	Splitter box	Tap junction	Subscriber socket	Line terminators	
Description	10 connectors RJ45 and 1 screw terminal	3 screw terminals line terminator RC	2 SUB-D connectors 15-way female and 2 screw terminals RC line terminator	For connector RJ 45 R = 120 Ω, C = 1 nF	For screw terminals R = 120 Ω, C = 1 nF
References	LU9GC3	TSXSCA50	TSXSCA62	VW3A8306RC	VW3A8306DRC

Modbus connection

Starters/drives Altistart 48, Altivar 21, 31, 61, 71	Cables	Double shielded twisted pair cables RS 485		T-junction boxes
Description	2 connectors RJ 45	1 connector RJ45 and one stripped end	Supplied without connector	With integrated cable
References	L = 0.3 m L = 1 m L = 3 m L = 100 m L = 200 m L = 500 m	VW3A8306R03 VW3A8306R10 VW3A8306R30 – – –	– – VW3A8306D30 – – –	– – – TSXCSA100 TSXCSA200 TSXCSA500



Connection via splitter boxes and RJ 45 connectors

- 1 PLC
- 2 Modbus cable depending on the type of PLC
- 3 Modbus splitter box LU9GC3
- 4 Modbus drop cables VW3A8306R●●
- 5 Line terminators VW3A8306RC
- 6 Modbus T-junction boxes VW3A8306TF●● (with cable)
- 7 Modbus drop cable VW3A58306R●●