

Altivar Process

Provides the efficiency you deserve

Altivar Process drives offer extensive flexibility in Water & wastewater, Mining, minerals & metals, Oil & gas and Food & beverage applications. Depending on the customer's requirements, wall-mounting drives, built-in cabinet and floor-standing solutions are available with IP 21, IP 23, IP 54 and IP 55 protection degrees.

Wall-mounting drives from 0.75 kW to 160 kW

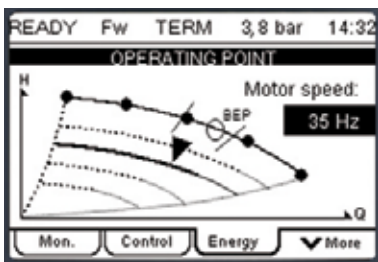
Floor-standing drives from 110 kW to 315 kW

Drive Systems from 110 kW to 800 kW

From basic design to customized offer



Altivar Process drives



Display screen

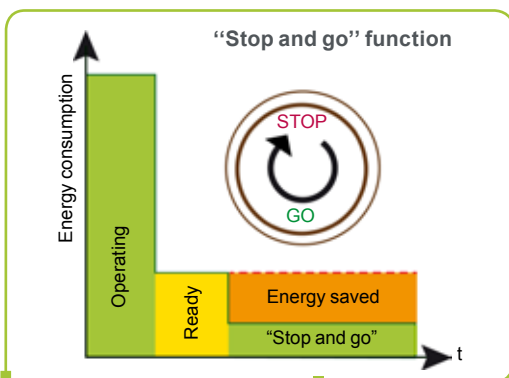
Business optimization

Optimum monitoring of your process

- > Instant reaction if pump efficiency drops thanks to the embedded pump monitoring
- > Notification of critical operating points without additional sensors
- > Process integration with pressure, flow and level control including compensation of flow losses

The energy-saving drive solution

- > Up to 60% energy saving when on standby due to the innovative "Stop & Go" operation without additional costs
- > Smart control of the internal fans depending on operation
- > Optimum energy efficiency over the whole life cycle
- > Data logging and graphic display of the power consumption



Real-time intelligence

Web server and services via Ethernet

- > Embedded web server interface based on the Ethernet network gives you process monitoring with your daily working tools.
- > Local and remote access to energy use and customized dashboards means your energy is visible anywhere, any time, on PC, tablet or smartphone.





ODVA organization:
supports network
technologies based on
EtherNet/IP



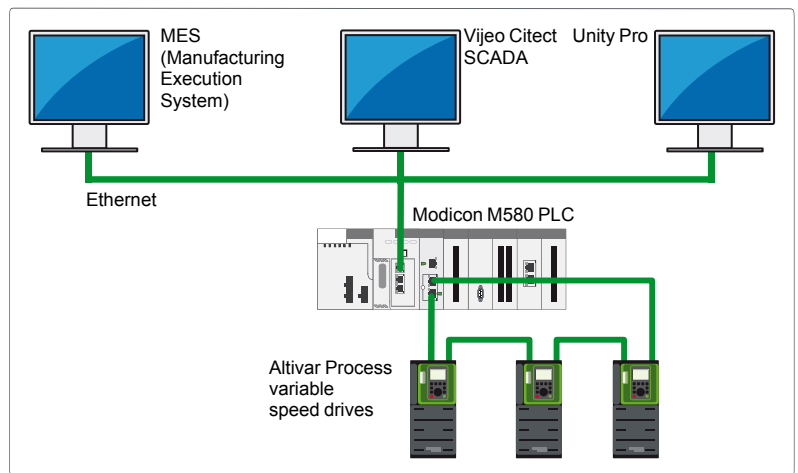
FDT Technology: an
international standard
with broad acceptance
in the automation
industry



User-friendliness

Simple integration in PLC environments

- > Easy integration thanks to standardized FDT/DTM and ODVA technology
- > Supported by predefined Unity Pro libraries
- > Easy access via PC, tablet or smartphone
- > Secure connection via "Cyber-secure Ethernet"



Integration in the Modicon M580 automation platform



Scanning the QR code from a smartphone or tablet



Instant access to online help

Sophisticated service concept

- > Modular design provides easy spare parts logistics
- > Optimized maintenance costs due to dynamic maintenance schedule, with integrated monitoring of individual components
- > Simple exchange of power modules and fans
- > Quick assistance with dynamic QR codes and Customer Care App



Green product

Designed to have a smaller carbon footprint

- > The Green Premium product label, Schneider Electric's eco-mark, indicates your compliance with international environmental standards such as:
 - > RoHS-2 according to EU directive C€ 2002/95
 - > REACH according to EU regulation 1907/2006
 - > IEC 62635: the end-of-life instructions comply with the latest recycling rules, 70% of the product components can be recycled.

IP 21, IP 55 or IP 54 variable speed drives for asynchronous and synchronous motors

Market segments

- Water & wastewater
- Oil & gas
- Mining, minerals & metals
- Food & beverage



Mounting type	Wall mounting	Floor standing	
Degree of protection	IP 21/UL Type 1	IP 21	
Power range for 50...60 Hz line supply	Three-phase: 200...240 V (kW/HP)	0.75...75/1...100	
	Three-phase: 380...440 V (kW)	–	
	Three-phase: 380...480 V (kW/HP)	110...315	
Drive	Output frequency	0.75...160/1...250	
	Control type	0.1...500 Hz	
Functions	Asynchronous motor	Standard constant torque, variable standard torque, optimized torque mode	
	Synchronous motor	PM (Permanent Magnet) motor	
	Advanced functions	<ul style="list-style-type: none"> ■ Accurate measurement for monitoring system energy consumption (deviation < 5%) ■ Installation energy drift detection ■ Embedded Ethernet with direct access to system configuration and monitoring ■ Integration of actual pump curves to optimize the system operating point ■ Optimized pump monitoring based on actual operating point ■ Sensorless estimated flow rate ■ Measurements expressed in working units (e.g.: m³/h, kWh/m³) ■ Limitation of overvoltage at the motor terminals ■ Contextual access to technical documentation through dynamic QR code ■ Continuous and historical real-time measurements with customizable dashboards ■ Predictive and preventive maintenance tracking functions (e.g.: temperatures with PT100/1000 probe, fan monitoring) 	
	Integrated safety function	1: STO (Safe Torque Off) SIL3	
	Number of preset speeds	16	
	Number of integrated I/O	Analog inputs	3: Configurable as voltage (0...10 V) or current (0-20 mA/4-20 mA), including 2 for probes (PTC, PT100, PT1000 or KTY84)
		Digital inputs	6
		Analog outputs	2: Configurable as voltage (0...10 V) or current (0-20 mA)
		Relay outputs	3
	I/O expansion modules (optional)	Safety function inputs	2: For safety function STO
Analog inputs		2 differential analog inputs configurable via software as current (0-20 mA/ 4-20 mA), or for PTC, PT100 or PT1000, 2 or 3-wire	
Digital inputs		6: Voltage 24 V $\overline{=}$ (positive or negative logic)	
Relay output module (optional)	Digital outputs	2: Assignable	
	Relay outputs	3: NO contacts	
Communication	Integrated	Modbus/TCP, Modbus serial link	
	Option modules	EtherNet/IP and Modbus/TCP Dual port, ProfiNet, CANopen RJ45 Daisy Chain, Sub-D and screw terminals, Profibus DP V1 and DeviceNet	
Configuration and runtime tools	Graphic display terminal, embedded web server, DTM (Device Type Manager), SoMove software		
Standards and certifications	UL 508C, EN/IEC 61800-3, EN/IEC 61800-3 environment 1 category C2, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 61000-3-12, IEC 60721-3, IEC 61508	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	
	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	
References	ATV630●●●●●	ATV630●●●●●F	
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- Water & wastewater
- Oil & gas
- Mining, minerals & metals
- Food & beverage



Mounting type	Wall mounting	Wall mounting	Floor standing	
Degree of protection	IP 55	IP 55 with Vario disconnect switch	IP 54	
Power range for 50...60 Hz line supply	–	–	–	
	–	–	110...315	
	0.75...90/1...125	–	–	
Drive	Output frequency	0.1...500 Hz	–	
	Control type	Standard constant torque, variable standard torque, optimized torque mode	–	
Functions	Asynchronous motor	PM (Permanent Magnet) motor	–	
	Synchronous motor	–	–	
	Advanced functions	<ul style="list-style-type: none"> ■ Accurate measurement for monitoring system energy consumption (deviation < 5%) ■ Installation energy drift detection ■ Embedded Ethernet with direct access to system configuration and monitoring ■ Integration of actual pump curves to optimize the system operating point ■ Optimized pump monitoring based on actual operating point ■ Sensorless estimated flow rate ■ Measurements expressed in working units (e.g.: m³/h, kWh/m³) ■ Limitation of overvoltage at the motor terminals ■ Contextual access to technical documentation through dynamic QR code ■ Continuous and historical real-time measurements with customizable dashboards ■ Predictive and preventive maintenance tracking functions (e.g.: Temperatures with PT100/1000 probe, fan monitoring) 	–	
	Integrated safety function	1: STO (Safe Torque Off) SIL3	–	
	Number of preset speeds	16	–	
	Number of integrated I/O	Analog inputs	3: Configurable as voltage (0...10 V) or current (0-20 mA/4-20 mA), including 2 for probes (PTC, PT100, PT1000 or KTY84)	–
		Digital inputs	6	–
		Analog outputs	2: Configurable as voltage (0...10 V) or current (0-20 mA)	–
		Relay outputs	3	–
	I/O expansion modules (optional)	Safety function inputs	2: For safety function STO	–
Analog inputs		2 differential analog inputs configurable via software as current (0-20 mA/ 4-20 mA), or for PTC, PT100 or PT1000, 2 or 3-wire	–	
Digital inputs		6: Voltage 24 V $\overline{=}$ (positive or negative logic)	–	
Relay output module (optional)	Digital outputs	2: Assignable	–	
	Relay outputs	3: NO contacts	–	
Communication	Integrated	Modbus/TCP, Modbus serial link	–	
	Option modules	EtherNet/IP and Modbus/TCP Dual port, ProfiNet, CANopen Daisy Chain RJ45, Sub-D and screw terminals, Profibus DP V1 and DeviceNet	–	
Configuration and runtime tools	Graphic display terminal, embedded web server, DTM (Device Type Manager), SoMove software			
Standards and certifications	UL 508C, EN/IEC 61800-3, EN/IEC 61800-3 environment 1 category C2, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 61000-3-12, IEC 60721-3, IEC 61508	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	–	
	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	EN/IEC 61800-3, EN/IEC 61800-3 environment 2 category C3, EN/IEC 61800-5-1, IEC 60721-3, IEC 61508	–	
References	ATV650●●●●●	ATV650●●●●●E	ATV650●●●●●F	
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ATV630D15N4



ATV630D30N4



ATV630D55N4

380...480 V IP 21/UL Type 1 drives with category C2 integrated EMC filter - Wall mounting

Motor		Line supply				Altivar Process				Reference	Weight
Power indicated on rating plate (1) (> 45 kW, see page 20)		Line current (2)		Apparent power	Maximum prospective line Isc	Maximum continuous current (1)	Max. transient current for 60 s				
		380 V	480 V	380 V							
ND:	Normal duty (3)										
HD:	Heavy duty (4)										
	kW	HP	A	A	kVA	kA	A	A		kg/lb	
THDI ≤ 44% at 100% load in Normal duty (3)											
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	ATV630U07N4	4.500/ 9.921	
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3			
ND	1.5	2	3	2.6	2.2	50	4	4.4	ATV630U15N4	4.500/ 9.921	
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3			
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	ATV630U22N4	4.500/ 9.921	
HD	1.5	2	3.1	2.9	2.4	50	4	6			
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	ATV630U30N4	4.600/ 10.141	
HD	2.2	3	4.5	4	3.3	50	5.6	8.4			
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	ATV630U40N4	4.600/ 10.141	
HD	3	–	6	5.4	4.5	50	7.2	10.8			
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	ATV630U55N4	4.700/ 10.362	
HD	4	5	8	7.2	6.0	50	9.3	14			
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	ATV630U75N4	7.700/ 16.976	
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1			
ND	11	15	19.8	17	14.1	50	23.5	25.9	ATV630D11N4	7.700/ 16.976	
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8			
ND	15	20	27	23.3	19.4	50	31.7	34.9	ATV630D15N4	13.600/ 29.983	
HD	11	15	20.6	18.1	15.0	50	23.5	35.3			
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	ATV630D18N4	14.200/ 31.306	
HD	15	20	27.7	24.4	20.3	50	31.7	47.6			
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	ATV630D22N4	14.300/ 31.526	
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8			
ND	30	40	53.3	45.9	38.2	50	61.5	67.7	ATV630D30N4	28.000/ 61.729	
HD	22	30	40.5	35.8	29.8	50	46.3	69.5			
ND	37	50	66.2	57.3	47.6	50	74.5	82	ATV630D37N4	28.200/ 62.170	
HD	30	40	54.8	48.3	40.2	50	61.5	92.3			
ND	45	60	79.8	69.1	57.4	50	88	96.8	ATV630D45N4	28.700/ 63.273	
HD	37	50	67.1	59.0	49.1	50	74.5	111.8			

(1) These values are given for a nominal switching frequency of 4 kHz for use in continuous operation.

The switching frequency is adjustable from 2...12 kHz for all ratings.

Above 4 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current, see derating curves on our website www.schneider-electric.com.

(2) Typical value for the indicated motor power and for the maximum prospective line Isc.

(3) Values given for applications requiring a slight overload (up to 110%).

(4) Values given for applications requiring a significant overload (up to 150%).

Note: Consult the summary tables of possible drive, option and accessory combinations (see page 28).

Variable speed drives

Altivar Process

Three-phase supply voltage: 380...480 V, 380...440 V
50/60 Hz



ATV630D55N4



ATV630C16N4F

380...480 V IP 21/UL Type 1 drives with category C3 integrated EMC filter - Wall mounting

Motor		Line supply				Altivar Process			Reference	Weight
Power indicated on rating plate (1) (< 55 kW, see page 19)		Line current (2)		Apparent power	Maximum prospective line Isc	Maximum continuous current (1)	Max. transient current for 60 s			
ND:	Normal duty (3)	380 V	480 V	380 V				A	A	A
HD:	Heavy duty (4)			kVA	kA			kg/lb		
kW	HP	A	A	kVA	kA	A	A			
THDI ≤ 44% at 100% load in Normal duty (3)										
ND	55	75	97.2	84.2	70	50	106	116.6	ATV630D55N4	56.500/ 124.561
HD	45	60	81.4	71.8	59.7	50	88	132		
ND	75	100	131.3	112.7	93.7	50	145	159.5	ATV630D75N4	58.000/ 127.868
HD	55	75	98.9	86.9	72.2	50	106	159		
ND	90	125	156.2	135.8	112.9	50	173	190.3	ATV630D90N4	58.500/ 128.970
HD	75	100	134.3	118.1	98.2	50	145	217.5		
ND	110	150	201	165	121.8	50	211	232.1	ATV630C11N4 (5)	85.000/ 187.393
HD	90	125	170	143	102.6	50	173	259.5		
ND	132	200	237	213	161.4	50	250	275	ATV630C13N4 (5)	85.000/ 187.393
HD	110	150	201	165	121.8	50	211	270		
ND	160	250	284	262	201.3	50	302	332.2	ATV630C16N4 (5)	85.000/ 187.393
HD	132	200	237	213	161.4	50	250	360		

380...440 V IP 21 drives with category C3 integrated EMC filter - Floor standing (6)

Motor		Line supply				Altivar Process			Reference	Weight
Power indicated on rating plate (1)		Line current (2)		Apparent power	Maximum prospective line Isc	Maximum continuous current (1)	Max. transient current for 60 s			
ND:	Normal duty (3)	380 V	400 V	380 V				A	A	A
HD:	Heavy duty (4)			kVA	kA			kg/lb		
kW	HP	A	A	kVA	kA	A	A			
THDI ≤ 44% at 100% load in Normal duty (3)										
ND	110	-	207	195	135	50	211	232	ATV630C11N4F	300.000/ 661.386
HD	90	-	174	164	113	50	173	259		
ND	132	-	250	232	161	50	250	275	ATV630C13N4F	300.000/ 661.386
HD	110	-	207	197	136	50	211	316		
ND	160	-	291	277	192	50	302	332	ATV630C16N4F	300.000/ 661.386
HD	132	-	244	232	161	50	250	375		
ND	200	-	369	349	242	50	370	407	ATV630C20N4F	400.000/ 881.848
HD	160	-	302	286	198	50	302	453		
ND	250	-	453	432	299	50	477	524	ATV630C25N4F	400.000/ 881.848
HD	200	-	369	353	244	50	370	555		
ND	315	-	566	538	373	50	590	649	ATV630C31N4F	400.000/ 881.848
HD	250	-	453	432	299	50	477	715		

(1) These values are given for a nominal switching frequency of 2.5 kHz for use in continuous operation.

The switching frequency is adjustable from 2...8 kHz for all ratings.

Above 2.5 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current, see derating curves on our website www.schneider-electric.com.

(2) Typical value for the indicated motor power and for the maximum prospective line Isc.

(3) Values given for applications requiring a slight overload (up to 110%).

(4) Values given for applications requiring a significant overload (up to 150%).

(5) Product supplied as IP 00 for mounting in an enclosure. For IP 21/UL Type 1 wall mounting, order separately the kit for IP 21/UL Type 1 conformity VW3A9704.

(6) Integrated motor chokes allowing a shielded motor cable length up to 300 m/984 ft in category C3 and an unshielded cable length up to 450 m/1476 ft in category C4.

Note: Consult the summary tables of possible drive, option and accessory combinations (see page 28).



ATV650D15N4



ATV650D30N4



ATV650D55N4

380...480 V IP 55 drives with category C2 or C3 integrated EMC filter - Wall mounting ⁽¹⁾										
Motor	Line supply					Altivar Process				
Power indicated on rating plate ⁽²⁾	Line current ⁽³⁾		Apparent power	Maximum prospective line Isc	Maximum continuous current ⁽²⁾	Max. transient current for 60 s	Reference ⁽⁶⁾	Weight		
	380 V	480 V							380 V	A
ND: Normal duty ⁽⁴⁾										
HD: Heavy duty ⁽⁵⁾										
kW	HP	A	A	kVA	kA	A	A			
THDI ≤ 44% at 100% load in Normal duty ⁽⁴⁾										
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	ATV650U07N4	10.500/23.149
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5	2	3	2.6	2.2	50	4	4.4	ATV650U15N4	10.500/23.149
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	ATV650U22N4	10.500/23.149
HD	1.5	2	3.1	2.9	2.4	50	4	6		
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	ATV650U30N4	10.600/23.369
HD	2.2	3	4.5	4	3.3	50	5.6	8.4		
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	ATV650U40N4	10.600/23.369
HD	3	–	6	5.4	4.5	50	7.2	10.8		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	ATV650U55N4	10.700/23.589
HD	4	5	8	7.2	6.0	50	9.3	14		
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	ATV650U75N4	13.700/30.203
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11	15	19.8	17	14.1	50	23.5	25.9	ATV650D11N4	13.700/30.203
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8		
ND	15	20	27	23.3	19.4	50	31.7	34.9	ATV650D15N4	19.600/43.211
HD	11	15	20.6	18.1	15	50	23.5	35.3		
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	ATV650D18N4	20.600/45.415
HD	15	20	27.7	24.4	20.3	50	31.7	47.6		
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	ATV650D22N4	20.600/45.415
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8		
ND	30	40	53.3	45.9	38.2	50	61.5	67.7	ATV650D30N4	50.000/110.231
HD	22	30	40.5	35.8	29.8	50	46.3	69.5		
ND	37	50	66.2	57.3	47.6	50	74.5	82	ATV650D37N4	50.000/110.231
HD	30	40	54.8	48.3	40.2	50	61.5	92.3		
ND	45	60	79.8	69.1	57.4	50	88	96.8	ATV650D45N4	50.000/110.231
HD	37	50	67.1	59	49.1	50	74.5	111.8		
ND	55	75	97.2	84.2	70	50	106	116.6	ATV650D55N4	87.000/191.802
HD	45	60	81.4	71.8	59.7	50	88	152		
ND	75	100	131.3	112.7	93.7	50	145	159.5	ATV650D75N4	87.000/191.802
HD	55	75	98.9	86.9	72.2	50	106	159		
ND	90	125	156.2	135.8	112.9	50	173	190.3	ATV650D90N4	87.000/191.802
HD	75	100	134.3	118.1	98.2	50	145	217.5		

(1) Category C2 EMC filter for **ATV650U07N4...D45N4**. Category C3 EMC filter above **ATV650D45N4**.

(2) These values are given for a nominal switching frequency of 4 kHz adjustable from 2...12 kHz up to **ATV650D45N4** or 2.5 kHz adjustable from 2...8 kHz for **ATV650D55N4...D90N4**, for use in continuous operation.

Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current, see derating curves on our website www.schneider-electric.com.

(3) Typical value for the indicated motor power and for the maximum prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 110%).

(5) Values given for applications requiring a significant overload (up to 150%).

(6) Supplied with cable gland.

Note: Consult the summary tables of possible drive, option and accessory combinations (see page 28).



Graphic display terminal
(example shows dynamic pump operation in relation to its optimum operation)



Detected fault: The screen's red backlight is activated automatically



Embedded dynamic QR codes for contextual, instantaneous access to online help



Scanning the QR code from a smartphone or tablet



Instant access to online help

Graphic display terminal (supplied with the drive)

This terminal can be:

- Connected and mounted on the front of the drive
- Connected and mounted on an enclosure door using a remote mounting accessory
- Connected to a PC to exchange files via a Mini USB/USB connection (1)
- Connected to several drives in multidrop mode (see page 25)

This terminal is used to:

- Control, adjust, and configure the drive
- Display current values (motor, I/O, and process data)
- Display graphic dashboards such as the energy consumption monitoring dashboard
- Store and download configurations (several configuration files can be stored in the 16 MB memory)
- Duplicate the configuration of one powered-up drive on another powered-up drive
- Copy configurations from a PC or drive and duplicate them on another drive (the drives must be powered on for the duration of the duplication operations)

Other characteristics:

- 24 integrated languages (complete alphabets) covering the majority of countries around the world (other languages can be added; please consult our website www.schneider-electric.com)
- 2-color backlit display (white and red); if an error is detected, the red backlight is activated automatically (function can be disabled)
- Operating range: -15...50 °C/+5...122 °F
- Degree of protection: IP 65
- Trend curves: Graphic display of changes over time in monitoring variables, energy data, and process data
- Graphic display of a pump's dynamic operation in relation to its optimum operation
- Embedded dynamic QR codes for contextual, instantaneous access to online help (diagnostics and settings, etc.) using a smartphone or tablet
- Real-time clock with 10-year backup battery providing data acquisition and event timestamping functions even when the drive is stopped

Description

Display:

- 8 lines, 240 x 160 pixels
- Displays bar charts, gauges, and trend charts
- 4 function keys to facilitate navigation and provide contextual links for enabling functions
- "STOP/RESET" button: Local control of motor stop command/clearing detected faults
- "RUN" button: Local control of motor run command
- Navigation buttons:
 - OK button: Saves the current value (ENT)
 - Turn ±: Increases or decreases the value, goes to the next or previous line
 - "ESC" button: Aborts a value, parameter, or menu to return to the previous selection
 - Home: Root menu
 - Information (i): Contextual help

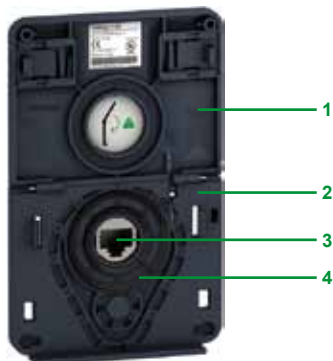
References

Description	Reference	Weight kg/ lb
Graphic display terminal:	VW3A1111	0.200/ 0.441

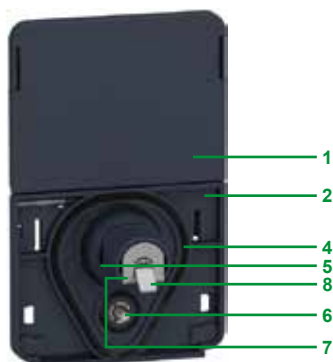
Communication accessory

Description	Reference	Weight kg/ lb
IP 20 WiFi dongle remote mounting of the Ethernet port for connection of WiFi equipment (PC, tablet, smartphone, etc.) powered by internal rechargeable battery	TCSEGWB13FA0	0.350/ 0.772

(1) Graphic display terminal used only as a handheld terminal.



Remote mounting kit for mounting graphic display terminal on enclosure door (front panel)



Remote mounting kit for graphic display terminal (rear panel)

Accessories for graphic display terminal

- Remote mounting kit for mounting on enclosure door with IP 65 degree of protection as standard

The kit comprises:

- Tightening tool (also sold separately under the reference ZB5AZ905)

- Cover plate to maintain IP 65 protection when there is no terminal connected
- Mounting plate
- RJ45 port for the graphic display terminal
- Seal
- Fixing nut
- Anti-rotation pin
- RJ45 port for connecting the remote-mounting cordset (10 m/32.81 ft maximum)
Cordsets should be ordered separately depending on the length required
- Grounding connector

Drilling a hole with a standard $\varnothing 22$ tool, as used for a pushbutton, allows the unit to be mounted without needing a cut-out in the enclosure ($\varnothing 22.5$ mm/ $\varnothing 0.89$ in. drill hole).

References

Description	Length m/ ft	IP	Reference	Weight kg/ lb
Remote mounting kit Order with remote-mounting cordset VW3A1104R●●●	–	65	VW3A1112	–
Tightening tool for remote mounting kit	–	–	ZB5AZ905	0.016/ 0.035
Remote-mounting cordset equipped with 2 RJ45 connectors	1/ 3.28 3/ 9.84 5/ 16.40 10/ 32.81	–	VW3A1104R10 VW3A1104R30 VW3A1104R50 VW3A1104R100	0.050/ 0.110 0.150/ 0.331 0.250/ 0.551 0.500/ 1.102
USB/Mini B USB cable for connecting the display terminal to a PC	–	–	TCSXCNAMUM3P	–
IP 65 remote mounting kit for Ethernet port (1) $\varnothing 22$ RJ45 female/female adapter with seal	–	65	VW3A1115	0.200/ 0.441

Multidrop connection accessories

These accessories are used to connect a graphic display terminal to several drives via a multidrop link. This multidrop connection uses the RJ45 terminal port on the front of the drive.

Connection accessories

Description	Sold in lots of	Unit reference	Weight kg/ lb	
Modbus splitter box 10 RJ45 connectors and 1 screw terminal block	–	LU9GC3	0.500/ 1.102	
Modbus T-junction boxes	With 0.3 m/0.98 ft integrated cable With 1 m/3.28 ft integrated cable	–	VW3A8306TF03 VW3A8306TF10	0.190/ 0.419 0.210/ 0.463
Modbus line terminator	For RJ45 connector	R = 120 Ω C = 1 nf	VW3A8306RC	0.010/ 0.022

Cordsets (equipped with 2 RJ45 connectors)

Used for	Length m/ ft	Reference	Weight kg/ lb
Serial link	0.3/ 0.98	VW3A8306R03	0.025/ 0.055
	1/ 3.28	VW3A8306R10	0.060/ 0.132
	3/ 9.84	VW3A8306R30	0.130/ 0.287

(1) Used to connect a remote PC to the RJ45 port on an IP 21 drive mounted in an enclosure or on a wall. Drill hole with a standard $\varnothing 22$ tool, as used for a pushbutton. (Requires a remote-mounting cordset VW3A1104R●●● equipped with 2 RJ45 connectors).