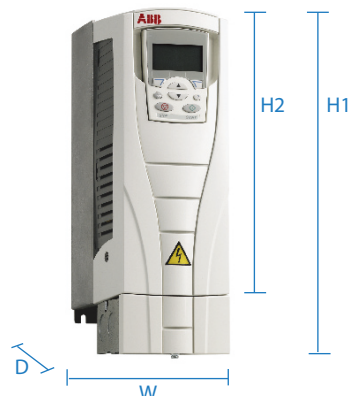


Wall-mounted drives



H1 = Height with cable connection box
H2 = Height without cable connection box
W = Width
D = Depth

Features:

- Outstanding energy-saving efficiency.
- Stable anti-interference.
- Easy installation, operation and maintenance.

Reference number				
Ratings			Type code	Frame size
S_N KVA	P_N kW	I_{2N} A		
2.3	1.1	3.3	ACS510-01-03A3-4	R1
3	1.5	4.1	ACS510-01-04A1-4	R1
4	2.2	5.6	ACS510-01-05A6-4	R1
5	3	7.2	ACS510-01-07A2-4	R1
6	4	9.4	ACS510-01-09A4-4	R1
9	5.5	11.9	ACS510-01-012A-4	R1
11	7.5	17	ACS510-01-017A-4	R2
16	11	25	ACS510-01-025A-4	R2
20	15	31	ACS510-01-031A-4	R3
25	18.5	38	ACS510-01-038A-4	R3
30	22	46	ACS510-01-046A-4	R3
41	30	60	ACS510-01-060A-4	R4
50	37	72	ACS510-01-072A-4	R4
60	45	88	ACS510-01-088A-4	R4
70	55	125	ACS510-01-125A-4	R5
100	75	157	ACS510-01-157A-4	R6
120	90	180	ACS510-01-180A-4	R6
140	110	205	ACS510-01-195A-4	R6
170	132	245	ACS510-01-246A-4	R6
200	160	290	ACS510-01-290A-4	R6

S_N = Typical motor apparent output power in 400 V at normal use

P_N = Typical motor power in 400 V at normal use

Voltages: ACS510 -01 is available in the following voltage range: 4 = 380 - 480 V

Frame size	Dimensions and weights								
	IP21 / UL type 1					IP54 / UL type 12			
	H1 mm	H2 mm	W mm	D mm	Weight kg	H mm	W mm	D mm	Weight kg
R1	369	330	125	212	6.5	449	213	234	8.2
R2	469	430	125	222	9	549	213	245	11.2
R3	583	490	203	231	16	611	257	253	18.5
R4	689	596	203	262	24	742	257	284	26.5
R5	739	602	265	286	34	776	369	309	38.5
R6 ¹⁾	880	700	300	400	69	924	410	423	80
R6	986	700	302	400	73	1119	410	423	84

¹⁾ The demensions and weights apply to ACS510-01-246A-4 and ACS510-01-290A-4.



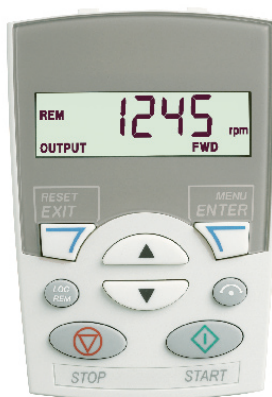
- 1 The assistant control panel, which is delivered as standard, features a multilingual alphanumeric display, for easy drive programming. The control panel has various assistants and an inbuilt help function to guide the user.
- 2 It includes a real time clock, which can be used during fault logging.
- 3 The control panel can be used for copying parameters for back up or for downloading them to another drive.
- 4 A large graphical display and soft keys make it extremely easy to navigate.

	Name
	Start-up Drive start
	Stop Drive stop
	Up Alter parametre/Increase reference
	Down Alter parametre/Decrease reference
	Local/Remote Switch between Local (control panel) and Remote (I/O or other control source).
	Help Built-in help button
	Soft key 1 Fuction of which changes according to the panel state
	Soft key 2 Fuction of which changes according to the panel state.

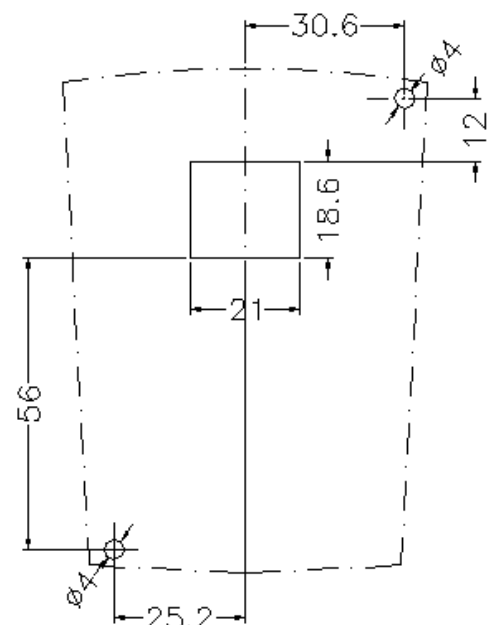


Basic control panel

- 1 The basic control panel features a single line numeric display.
- 2 The panel can be used to control the drive, set the parameter values or copy them from one drive to another.



Control panel frame size



Relay output extension option module

- 1 This plug-in option offers three additional relay outputs. They can be used, for example, in pump and fan control many supervisory functions.
- 2 All the relays can be programmed to on/off by using the assistant control panel's clock.
- 3 Fieldbus can be used to control any external components in the system.

Plug-in fieldbus module

- 1 The plug-in fieldbus options bring connectivity to major automation systems.
- 2 A single twisted pair avoids large amounts of conventional cabling.

ACS510 supports the following fieldbus options:

- 1 DeviceNet
- 2 LONWORKS
- 3 PROFIBUS DP
- 4 CANopen
- 5 ControlNet
- 6 Ethernet

Brake units and choppers

- 1 Frame sizes R1 to R2 are delivered with integrated brake choppers as standard.
- 2 Other units can use the compact-sized brake units which include brake chopper and resistor.

