

ACS255 IP66 micro drive

Ratings and types

Type designation

This is the unique reference number (shown above and in the first column, below) that clearly identifies your drive by power rating and frame size. Once the drive's type designation has been selected, the frame size (column 7) can be used to determine the drive dimensions, shown on the next page.

Insert either "1", "2", "4" or "6", depending on your chosen voltage, into the type designation shown above.

Construction

"01U" within the type designation (shown above) varies depending on the drive phase and EMC filtering. Choose below the one you need.

Voltages

ACS255 is available in two voltage ranges:

- 1 = 110 to 120 V
- 2 = 200 to 240 V
- 4 = 380 to 480 V
- 6 = 500 to 600 V

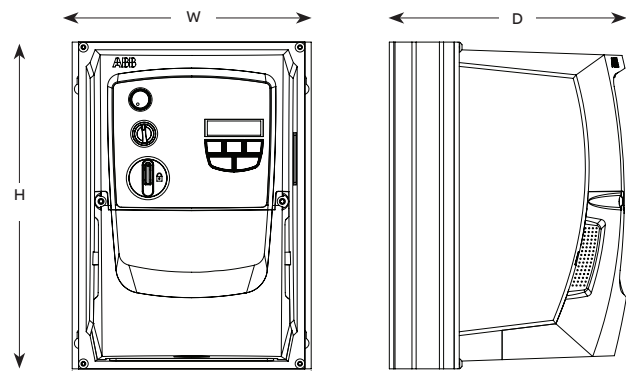
- 01 = 1-phase
- 03 = 3-phase
- U = No EMC filter
- F278 = Operator controls: Disconnect, FWD/REV/OFF selector, Speed Potentiometer

Type code	Braking chopper (included)	P _N HP	P _N kW	Output current I _{2N} A	Weight lb	Frame size
1-phase supply voltage 110 to 120V, +/-10%, 3-phase output 200 to 240 V						
ACS255-01U-02A3-1+B063(+F278)	-	0.5	0.37	2.3	6.5	E1
ACS255-01U-04A3-1+B063(+F278)	-	1.0	0.75	4.3	6.5	E1
ACS255-01U-05A8-1+B063(+F278)	X	1.5	1.1	5.8	9.3	E2
1-phase supply voltage 200 to 240V, +/-10%, 3-phase output 200 to 240 V						
ACS255-01U-02A3-2+B063(+F278)	-	0.5	0.37	2.3	6.5	E1
ACS255-01U-04A3-2+B063(+F278)	-	1.0	0.75	4.3	6.5	E1
ACS255-01U-06A1-2+B063(+F278)	-	1.5	1.1	6.1	6.5	E1
ACS255-01U-07A0-2+B063(+F278)	-	2.0	1.5	7.0	6.5	E1
ACS255-01U-10A5-2+B063(+F278)	X	3.0	2.2	10.5	9.3	E2
ACS255-01U-15A3-2+B063(+F278)	X	5.0	3.7	15.3	17.0	E3
3-phase supply voltage 200 to 240 V, +/-10%						
ACS255-03U-02A3-2+B063(+F278)	-	0.5	0.37	2.3	6.5	E1
ACS255-03U-04A3-2+B063(+F278)	-	1.0	0.75	4.3	6.5	E1
ACS255-03U-06A1-2+B063(+F278)	-	1.5	1.10	6.1	6.5	E1
ACS255-03U-07A0-2+B063(+F278)	X	2.0	1.5	7.0	9.3	E2
ACS255-03U-10A5-2+B063(+F278)	X	3.0	2.2	10.5	9.3	E2
ACS255-03U-18A0-2+B063(+F278)	X	5.0	4.0	18.0	17.0	E3
3-phase supply voltage 380 to 480 V, +/-10%						
ACS255-03U-01A2-4+B063(+F278)	-	0.5	0.37	1.2	6.5	E1
ACS255-03U-02A2-4+B063(+F278)	-	1.0	0.75	2.2	6.5	E1
ACS255-03U-03A3-4+B063(+F278)	-	1.5	1.1	3.3	6.5	E1
ACS255-03U-04A1-4+B063(+F278)	-	2.0	1.5	4.1	6.5	E1
ACS255-03U-05A8-4+B063(+F278)	X	3.0	2.2	5.8	9.3	E2
ACS255-03U-09A5-4+B063(+F278)	X	5.0	4.0	9.5	9.3	E2
ACS255-03U-14A0-4+B063(+F278)	X	7.5	5.5	14.0	17.0	E3
ACS255-03U-18A0-4+B063(+F278)	X	10.0	7.5	18.0	17.0	E3
3-phase supply voltage 500 to 600 V, +/-10%						
ACS255-03U-02A1-6+B063(+F278)	X	1.0	0.75	2.1	10.6	P2
ACS255-03U-03A1-6+B063(+F278)	X	2.0	1.5	3.1	10.6	P2
ACS255-03U-04A1-6+B063(+F278)	X	3.0	2.2	4.1	10.6	P2
ACS255-03U-06A5-6+B063(+F278)	X	5.0	4.0	6.5	10.6	P2
ACS255-03U-09A0-6+B063(+F278)	X	7.5	5.5	9.0	10.6	P2
ACS255-03U-12A0-6+B063(+F278)	X	10.0	7.5	12.0	16.1	P3
ACS255-03U-17A0-6+B063(+F278)	X	15.0	11.0	17.0	16.1	P3

P_N for kW = Typical motor power in 400 V at normal use
P_N for hp = Typical motor power in 460 V at normal use
I_{2N} for A = Continuous rms current. 50% overload is allowed for one minute in ten minutes.

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Dimensions and weights

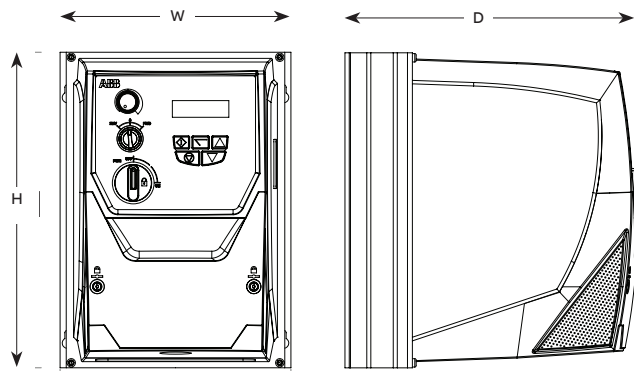


120, 240, 480 V

IP66 120, 240, 480V

Frame size	Height		Width		Depth		Weight		Dimension drawing
	in	mm	in	mm	in	mm	lb	kg	
E1	9.13	232	6.34	161	7.05	179	6.50	2.95	3AXD10000274009
E2	10.12	257	7.40	188	7.34	186	9.26	4.20	3AXD10000274011
E3	12.20	310	8.29	210	9.00	229	16.97	7.70	3AXD10000274012

H = Height
W = Width
D = Depth



600 V

IP66 600V

Frame size	Height		Width		Depth		Weight		Dimension drawing
	in	mm	in	mm	in	mm	lb	kg	
P2	10.12	257	7.40	188	9.41	239	10.60	4.80	3AXD10000274017
P3	12.20	310	8.29	211	9.88	251	16.10	7.30	3AXD10000274018

H = Height
W = Width
D = Depth