

ACS880 Industrial Drives

Wall-mounted drives, ACS880-01

ACS 880-01 Series 0.55 - 250kW

ACS880-01 DRIVES: The ACS880 Series are Industrial; high-performance Drives that have all the essential features built-in. These features include as a standard; a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety and I/O extensions modules. The extensive range of options also includes external output filters and brake resistors. The ACS880-01 is also available with marine type approval from various key classifications. The drive supports wall-mounting as standard and cabinet mounting as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most installations and environments.

FEATURES

- C2 and C3 EMC filters
- Brake chopper (as standard in frames R1 to R4)
- Brake resistor
- Marine type approval from various key classification bodies
- I/O extension modules
- Communication protocol adapters
- Speed feedback interfaces
- Functional safety modules
- Remote monitoring tool
- Application specific software
- Du/dt filters
- Sine filters
- Flange (push through) mounting
- Enclosure classes: IP20 for cabinet mounting, IP21 (as standard) for wall-mounting and IP55 for dusty and wet environments



BENEFITS

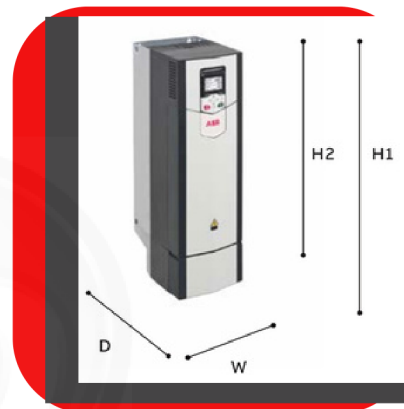
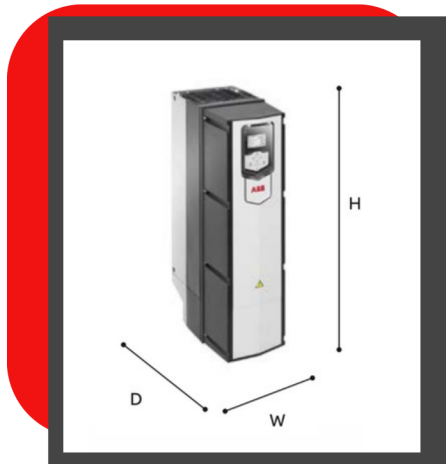
- Wide power range supporting wall-mounting, 0.55-250kW
- Enclosure classes up to IP55
- Compact, single package with all the essential features built-in
- Easy installation for different environments
- Robust and reliable design
- Optional marine type approved version



DIMENSIONS & WEIGHTS

ACS880-01, IP21 - NEMA 1

Frame Size	Height H1 (in.)	Height H2 (in.)	Width in.	Depth in.	Weight lbs.
R1	16.2	14.6	6.1	8.89	15.5
R2	16.2	14.6	6.1	9.8	18.6
R3	18.7	16.6	6.8	10.3	24
R4	22.7	19.3	8	10.8	41
R5	28.8	23.5	8	10.8	50.4
R6	28.6	22.5	9.9	14.1	93.1
R7	34.7	23.6	11.2	14.4	117
R8	38	26.8	11.9	15.2	150
R9	37.6	26.8	15	16.3	209.5

**ACS880-01, IP55 NEMA 12**

Frame Size	Height in.	Width in.	Depth in.	Weight lbs.
R1	17.8	6.4	11.5	18
R2	17.8	6.4	12.4	21
R3	20.7	7.1	12.9	26.5
R4	22.7	8	13.6	42.2
R5	28.8	8	13.6	52
R6	28.6	9.9	16.6	95
R7	34.7	11.2	16.7	120
R8	38	11.9	17.8	163.2
R9	37.6	15	18.8	225



INDUSTRIAL DRIVES



208-240 V - The power ratings are valid at nominal voltage 230V (0.55-75kW).

LIGHT OVERLOAD USE

HEAVY-DUTY USE

Catalog #	Frame Size	A	kW		A	kW	Noise Level(dB(A))	Heat (W) Dissipation	Air Flow
ACS880-01-04A6-2	R1	4.4	.75		3.7	.55	50	61	44
ACS880-01-06A6-2	R1	6.3	1.1		4.6	.75	50	85	44
ACS880-01-07A5-2	R1	7.1	1.5		6.6	1.1	50	96	44
ACS880-01-10A6-2	R1	10.1	2.2		7.5	1.5	50	149	44
ACS880-01-16A8-2	R2	16	4		10.6	2.2	59	210	88
ACS880-01-24A3-2	R2	23.1	5.5		16.8	4	59	368	88
ACS880-01-031A-2	R3	29.3	7.5		24.3	5.5	60	354	134
ACS880-01-046A-2	R4	44	11		38	7.5	64	541	134
ACS880-01-061A-2	R4	58	15		45	11	64	804	280
ACS880-01-075A-2	R5	71	18.5		61	15	64	925	280
ACS880-01-087A-2	R5	83	22		72	18.5	64	1142	280
ACS880-01-115A-2	R6	109	30		87	22	68	1362	435
ACS880-01-145A-2	R6	138	37		105	30	68	1935	435
ACS880-01-170A-2	R7	162	45		145	37	67	1968	450
ACS880-01-206A-2	R7	196	55		169	45	67	2651	450
ACS880-01-274A-2	R8	260	75		213	55	68	3448	550

*Heat dissipation value is a reference for cabinet thermal design. According to Ecodesign regulations.



400 V) Range 380-415 V. The power ratings are valid at nominal voltage 400V (0.55-250kW).

LIGHT OVERLOAD USE

HEAVY-DUTY USE

Catalog #	Frame Size	A	kW		A	kW	Noise Level(dB(A))	Heat Dissipation	Air Flow
ACS880-01-02A4-3	R1	2.3	0.75		1.8	0.55	50	43	44
ACS880-01-03A3-3	R1	3.1	1.1		2.4	0.75	50	52	44
ACS880-01-04A0-3	R1	3.8	1.5		3.3	1.1	50	59	44
ACS880-01-05A6-3	R1	5.3	2.2		4	1.5	50	78	44
ACS880-01-07A2-3	R1	7.6	3		5.6	2.2	50	112	44
ACS880-01-09A4-3	R1	9.5	4		8	3	50	146	44
ACS880-01-12A6-3	R1	12	5.5		10	4	50	217	44
ACS880-01-017A-3	R2	16	7.5		12.6	5.5	59	235	88
ACS880-01-025A-3	R2	24	11		17	7.5	59	412	88
ACS880-01-032A-3	R3	30	15		25	11	60	400	134
ACS880-01-038A-3	R3	36	18.5		32	15	60	515	134
ACS880-01-045A-3	R4	43	22		38	18.5	64	526	134
ACS880-01-061A-3	R4	58	30		45	22	64	818	280
ACS880-01-072A-3	R5	68	37		61	30	64	841	280
ACS880-01-087A-3	R5	83	45		72	37	64	1129	280
ACS880-01-105A-3	R6	100	55		87	45	68	1215	435
ACS880-01-145A-3	R6	138	75		105	55	68	1962	435
ACS880-01-169A-3	R7	161	90		145	75	67	2042	450
ACS880-01-206A-3	R7	196	110		169	90	67	2816	450
ACS880-01-246A-3	R8	234	132		206	110	68	3026	550
ACS880-01-293A-3	R8	278	160		246	132	68	3630	550
ACS880-01-363A-3	R9	345	200		293	160	70	4688	1150
ACS880-01-430A-3	R9	400	200		363	200	70	5797	1150