

Ratings, types and voltages

Inverter modules

$U_N = 500$ V (range 380 to 500 V). The power ratings are valid at nominal voltage 500 V (1.5 to 3200 kW).

Drive type	Frame size	Nominal ratings			Light overload use		Heavy-duty use		Noise level (dBA)	Heat dissipation (kW)	Air flow (m³/h)
		I_N AC (A)	I_{max} AC (A)	P_N (kW)	I_{Ld} (A)	P_{Ld} (kW)	I_{Hd} (A)	P_{Hd} (kW)			
Inverter modules (INU), ACS880-104											
ACS880-104-003A6-5	R1i	3.6	5.3	1.5	3.4	1.5	3	1.5	47	0.06	24
ACS880-104-004A8-5	R1i	4.8	7	2.2	4.5	2.2	4	1.5	47	0.07	24
ACS880-104-006A0-5	R1i	6	8.8	3	5.5	3	5	2.2	47	0.08	24
ACS880-104-008A0-5	R1i	8	10.5	4	7.6	4	6	3	47	0.09	24
ACS880-104-0011A-5	R2i	10.5	13.5	5.5	9.7	5.5	9	4	39	0.13	48
ACS880-104-0014A-5	R2i	14	16.5	7.5	13	7.5	11	5.5	39	0.15	48
ACS880-104-0018A-5	R2i	18	21	11	16.8	11	14	7.5	39	0.18	48
ACS880-104-0025A-5	R3i	25	33	15	23	15	19	11	63	0.23	142
ACS880-104-0030A-5	R3i	30	36	18.5	28	18.5	24	15	63	0.28	142
ACS880-104-0035A-5	R3i	35	44	22	32	22	29	18.5	63	0.32	142
ACS880-104-0050A-5	R3i	50	66	30	46	30	44	22	71	0.48	200
ACS880-104-0061A-5	R4i	61	78	37	57	37	52	30	70	0.55	290
ACS880-104-0078A-5	R4i	78	100	45	74	45	69	45	70	0.65	290
ACS880-104-0094A-5	R4i	94	124	55	90	55	75	45	70	0.8	290
ACS880-104-0110A-5	R6i	113	147	75	108	75	85	55	71	1	650
ACS880-104-0140A-5	R6i	136	177	90	131	90	102	55	71	1.2	650
ACS880-104-0170A-5	R6i	165	215	110	158	110	123	75	71	1.5	650
ACS880-104-0200A-5	R6i	197	256	132	189	132	147	90	71	1.8	650
ACS880-104-0240A-5	R6i	240	312	160	230	160	180	110	71	2	650
ACS880-104-0300A-5	R7i	302	393	200	290	200	226	132	72	2.7	940
ACS880-104-0340A-5	R7i	340	442	250	326	200	254	160	72	3.2	940
ACS880-104-0440A-5	R8i	440	580	250	422	250	329	200	72	4.7	1300
ACS880-104-0590A-5	R8i	590	770	400	566	355	441	250	72	6.3	1300
ACS880-104-0740A-5	R8i	740	970	500	710	450	554	355	72	8.1	1300
ACS880-104-0810A-5	R8i	810	1060	560	778	500	606	400	72	9.3	1300
ACS880-104-1150A-5	2×R8i	1150	1500	800	1104	710	860	560	74	12	2600
ACS880-104-1450A-5	2×R8i	1450	1890	1000	1392	900	1085	710	74	16	2600
ACS880-104-1580A-5	2×R8i	1580	2060	1100	1517	1000	1182	800	74	18	2600
ACS880-104-2150A-5	3×R8i	2150	2800	1500	2064	1400	1608	1100	76	24	3900
ACS880-104-2350A-5	3×R8i	2350	3060	1600	2256	1500	1758	1200	76	27	3900
ACS880-104-3110A-5	4×R8i	3110	4050	2000	2986	2000	2326	1600	76	36	5200
ACS880-104-3860A-5	5×R8i	3860	5020	2400	3706	2400	2887	2000	77	44	6500
ACS880-104-4610A-5	6×R8i	4610	6000	3200	4426	2800	3448	2400	78	53	7800

Nominal ratings

I_N	Rated current available continuously without overloadability at 40 °C.
S_N	Nominal apparent power.
P_N	Typical motor power in no-overload use.

Maximum output current

I_{max}	Maximum output current. Available for 10 seconds at start, then as long as allowed by drive temperature.
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Light-overload use

I_{Ld}	Continuous current allowing 110% I_{Ld} for 1 minute every 5 minutes at 40 °C.
P_{Ld}	Typical motor power in light-overload use.

Heavy-duty use

I_{Hd}	Continuous current allowing 150% I_{Hd} for 1 minute every 5 minutes at 40 °C.
P_{Hd}	Typical motor power in heavy-duty use.

The ratings apply at 40 °C ambient temperature. At higher temperatures (up to 50 °C) the derating is 1%/1 °C.

¹⁾ +A003 Uncontrolled diode bridge, +A018 Half-controlled diode bridge, +A004 12-pulse DSU.