

Ratings, types and voltages

ACS800-X04, drive module, $U_N = 690\text{ V}$

ACS800 - X04 - XXXX - 7 + XXXX

Nominal ratings		No-overload use	Light-overload use		Heavy-duty use		Heat dissipation	Type designation	Frame size
$I_{\text{cont. max}}$ A	I_{max} A	$P_{\text{cont. max}}$ kW	I_N A	P_N kW	I_{hd} A	P_{hd} kW	kW		
$U_N = 690\text{ V}$ (Range 525 to 690 V). The power ratings are valid at nominal voltage 690 V.									
13	14	11	12	7.5	8.5	5.5	0.3	ACS800-104-0011-7	R4i
17	19	15	16	11	11	7.5	0.3	ACS800-104-0016-7	R4i
22	28	18.5	21	15	15	11	0.4	ACS800-104-0020-7	R4i
25	38	22	24	18.5	19	15	0.5	ACS800-104-0025-7	R4i
33	44	30	32	22	22	18.5	0.6	ACS800-104-0030-7	R4i
36	54	30	35	30	27	22	0.7	ACS800-104-0040-7	R4i
51	68	45	49	37	34	30	0.8	ACS800-104-0050-7	R5i
57	84	55	55	45	42	37	1	ACS800-104-0060-7	R5i
69	104	55	66	55	52	45	1.1	ACS800-104-0075-7	R7i
88	132	75	84	75	66	55	1.3	ACS800-104-0105-7	R7i
105	158	90	101	90	79	75	1.6	ACS800-104-0125-7	R7i
132	198	110	127	110	99	90	2	ACS800-104-0145-7	R7i
150	224	132	144	132	112	90	2.3	ACS800-104-0175-7	R7i
170	254	160	163	160	127	110	2	ACS800-104-0215-7	R7i
215	322	200	206	200	161	160	3.6	ACS800-104-0260-7	R8i
289	432	250	277	250	216	200	4.8	ACS800-104-0320-7	R8i
336	503	315	323	315	251	240	6.1	ACS800-104-0400-7	R8i
382	571	355	367	355	286	270	7	ACS800-104-0440-7	R8i
486	727	450	467	450	364	355	7.5	ACS800-104-0580-7	R8i
729	1091	710	700	710	545	500	13	ACS800-104-0870-7	2xR8i
953	1425	900	914	900	713	710	15	ACS800-104-1160-7	2xR8i
1414	2116	1400	1358	1400	1058	1000	22	ACS800-104-1740-7	3xR8i
1866	2792	1900	1792	1800	1396	1400	29	ACS800-104-2320-7	4xR8i
2321	3472	2300	2228	2200	1736	1600	35	ACS800-104-2900-7	5xR8i
2770	4144	2800	2659	2700	2072	2000	42	ACS800-104-3490-7	6xR8i

Dimensions

Frame size	Height mm	Width mm	Depth mm	Weight kg	Noise level dB(A)	Air flow m³/h
R2i	401	165	193 ³⁾	9	62	35
R3i	466	173	232 ³⁾	12	62	69
R4i	525	240	252 ³⁾	15	62	103
R5i	673	265	276 ³⁾	23	65	168
R7i ¹⁾	963	170	408	38	64	800
R8i	1397	245	596	130	72	1280
2xR8i	1397	245 ²⁾	596	260	74	2560
3xR8i	1397	245 ²⁾	596	390	76	3840
4xR8i	1397	245 ²⁾	596	520	76	5120
5xR8i	1397	245 ²⁾	596	650	77	6400
6xR8i	1397	245 ²⁾	596	780	78	7680

¹⁾ Dimensions do not include cooling fan.

²⁾ Single module only.

³⁾ The depth is without control panels and options.

Type designation	Height mm	Width mm	Depth mm
RDCU control unit *)	282	126	41

*) Delivered with R7i to nxR8i

Nominal ratings	
$I_{\text{cont. max}}$	Rated current available continuously without overloadability at 40 °C.
I_{max}	Maximum output current. Available for 10 s at start, otherwise as long as allowed by drive temperature.
Typical ratings: No-overload use	
$P_{\text{cont. max}}$	Typical motor power in no-overload use.
Light-overload use	
I_N	Continuous current allowing 110% I_N for 1 min/5 min at 40 °C.
P_N	Typical motor power in light-overload use.
Heavy-duty use	
I_{hd}	Continuous current allowing 150% I_{hd} for 1 min/5 min at 40 °C.
P_{hd}	Typical motor power in heavy-duty use.
The current ratings are the same regardless of the supply voltage within one voltage range.	
The ratings apply in 40 °C ambient temperature. In lower temperatures the ratings are higher (except I_{max}).	
The rated current of the ACS800 must be higher than or equal to the rated motor current to achieve the rated motor power given in the table.	