Ratings

The nominal ratings for the drives with 50 Hz and 60 Hz supply are given below. The symbols are described below the tables. ABB recommends the DriveSize dimensioning tool for selecting the drive, motor and gear combination.

IEC RATINGS										
ACS880-01-...	Frame size	Input rating	Output ratings							
			Nominal use				Light-duty use		Heavy-duty use	
		I_1	I_{max}	I_2	P_n	S_n	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}
		A	A	A	kW	kVA	A	kW	A	kW
U_n = 230 V										
04A6-2	R1	4.6	6.3	4.6	0.75	1.8	4.4	0.75	3.7	0.55
06A6-2	R1	6.6	7.8	6.6	1.1	2.6	6.3	1.1	4.6	0.75
07A5-2	R1	7.5	11.2	7.5	1.5	3.0	7.1	1.5	6.6	1.1
10A6-2	R1	10.6	12.8	10.6	2.2	4.2	10.1	2.2	7.5	1.5
16A8-2	R2	16.8	18.0	16.8	4.0	7	16.0	4.0	10.6	2.2
24A3-2	R2	24.3	28.6	24.3	5.5	10	23.1	5.5	16.8	4.0
031A-2	R3	31.0	41	31	7.5	12	29.3	7.5	24.3	5.5
046A-2	R4	46	64	46	11	18	44	11	38	7.5
061A-2	R4	61	76	61	15	24	58	15	45	11.0
075A-2	R5	75	104	75	18.5	30	71	18.5	61	15
087A-2	R5	87	122	87	22	35	83	22	72	18.5
115A-2	R6	115	148	115	30	46	109	30	87	22
145A-2	R6	145	178	145	37	58	138	37	105	30
170A-2	R7	170	247	170	45	68	162	45	145	37
206A-2	R7	206	287	206	55	82	196	55	169	45
274A-2	R8	274	362	274	75	109	260	75	213	55
U_n = 400 V										
02A4-3	R1	2.4	3.1	2.4	0.75	1.7	2.3	0.75	1.8	0.55
03A3-3	R1	3.3	4.1	3.3	1.1	2.3	3.1	1.1	2.4	0.75
04A0-3	R1	4.0	5.6	4.0	1.5	2.8	3.8	1.5	3.3	1.1
05A6-3	R1	5.6	6.8	5.6	2.2	3.9	5.3	2.2	4.0	1.5
07A2-3	R1	8.0	9.5	8.0	3.0	5.5	7.6	3.0	5.6	2.2
09A4-3	R1	10.0	12.2	10.0	4.0	6.9	9.5	4.0	8.0	3.0
12A6-3	R1	12.9	16.0	12.9	5.5	8.9	12.0	5.5	10.0	4.0
017A-3	R2	17	21	17	7.5	12	16	7.5	12.6	5.5
025A-3	R2	25	29	25	11	17	24	11	17	7.5
032A-3	R3	32	42	32	15	22	30	15	25	11
038A-3	R3	38	54	38	18.5	26	36	18.5	32	15.0
045A-3	R4	45	64	45	22	31	43	22	38	18.5

IEC RATINGS										
ACS880-01-...	Frame size	Input rating	Output ratings							
			Nominal use				Light-duty use		Heavy-duty use	
		I_1	I_{max}	I_2	P_n	S_n	I_{Ld}	P_{Ld}	I_{Hd}	P_{Hd}
		A	A	A	kW	kVA	A	kW	A	kW
061A-3	R4	61	76	61	30	42	58	30	45	22
072A-3	R5	72	104	72	37	50	68	37	61	30
087A-3	R5	87	122	87	45	60	83	45	72	37
105A-3	R6	105	148	105	55	73	100	55	87	45
145A-3	R6	145	178	145	75	100	138	75	105	55
169A-3	R7	169	247	169	90	117	161	90	145	75
206A-3	R7	206	287	206	110	143	196	110	169	90
246A-3	R8	246	350	246	132	170	234	132	206	110
293A-3	R8	293	418	293	160	203	278	160	246*	132
363A-3	R9	363	498	363	200	251	345	200	293	160
430A-3	R9	430	545	430	250	298	400	200	363**	200
U_n = 400 V										
02A1-5	R1	2.1	3.1	2.1	0.75	1.8	2.0	0.55	1.7	0.55
03A0-5	R1	3.0	4.1	3.0	1.1	2.6	2.8	1.1	2.1	0.75
03A4-5	R1	3.4	5.6	3.4	1.1	2.9	3.2	1.1	3.0	1.1
04A8-5	R1	4.8	6.8	4.8	1.5	4.2	4.6	1.5	3.4	1.1
05A2-5	R1	5.2	9.5	5.2	2.2	4.5	5.0	2.2	4.8	1.5
07A6-5	R1	7.6	12.2	7.6	3.0	6.6	7.2	3.0	5.2	2.2
11A0-5	R1	11.0	16.0	11.0	4.0	9.5	10.4	4.0	7.6	3.0
014A-5	R2	14	21	14	5.5	12	13	5.5	11	4.0
021A-5	R2	21	29	21	7.5	18	19	7.5	14	5.5
027A-5	R3	27	42	27	11.0	23	26	11.0	21	7.5
034A-5	R3	34	54	34	15.0	29	32	15.0	27	11
040A-5	R4	40	64	40	18.5	35	38	18.5	34	15
052A-5	R4	52	76	52	22	45	49	22	40	18.5
065A-5	R5	65	104	65	30	56	62	30	52	22
077A-5	R5	77	122	77	37	67	73	37	65	30
096A-5	R6	96	148	96	45	83	91	45	77	37
124A-5	R6	124	178	124	55	107	118	55	96	45
156A-5	R7	156	247	156	75	135	148	75	124	55
180A-5	R7	180	287	180	90	156	171	90	156	75
240A-5	R8	240	350	240	110	208	228	110	180	90
260A-5	R8	260	418	260	132	225	247	132	240*	110
361A-5	R9	361	542	361	200	313	343	160	302	160