

TITLE: MOTOR DATA. ISOLATING RANGE S2-30 MIN DUTY CYCLE, AC 3-600V/60Hz THREE PHASE
MODELS: CK, CKC

Actuator model	Output speed (rpm)	Max. tripping torque (N.m)	Nominal torque (N.m)	Motor speed (rpm)	Nominal Power (kW)	Nominal current (A)	Power at max tripping torque (kW)	Current at max tripping torque (A)	Locked rot. current (A)	Power factor (nominal) cos ϕ	Overcurrent prot. device setting (A)	Contactor	Thyristor	
CK30	011	11	30	10	720	0,36	0,60	0,36	0,60	1,24	0,57	0,60	Standard	N/A
	014	14			720	0,36	0,60	0,36	0,60	1,24	0,57	0,60	Standard	N/A
	021	21			1440	0,20	0,33	0,20	0,33	1,40	0,43	0,33	Standard	N/A
	029	29			1440	0,33	0,55	0,33	0,55	1,91	0,67	0,55	Standard	N/A
	043	43			1440	0,39	0,65	0,39	0,65	2,19	0,72	0,65	Standard	N/A
	057	57			1440	0,45	0,75	0,45	0,75	2,19	0,80	0,75	Standard	N/A
	086	86			1440	0,65	1,08	0,65	1,08	3,12	0,84	1,08	Standard	N/A
	115	115			1440	0,63	1,04	0,63	1,04	3,95	0,69	1,04	Standard	N/A
	173	173			2880	1,35	2,25	2,39	3,98	15,21	0,56	3,98	Standard	N/A
	230	230			25	8,3	2880	0,35	0,58	0,35	0,58	4,57	0,48	0,58
CK60	011	11	60	20	720	0,47	0,78	0,47	0,78	1,67	0,60	0,78	Standard	N/A
	014	14			720	0,47	0,78	0,47	0,78	1,70	0,57	0,78	Standard	N/A
	021	21			1440	0,48	0,80	0,48	0,80	3,09	0,58	0,80	Standard	N/A
	029	29			1440	0,46	0,76	0,46	0,76	3,51	0,49	0,76	Standard	N/A
	043	43			1440	0,56	0,94	0,56	0,94	3,92	0,50	0,94	Standard	N/A
	057	57			1440	0,62	1,03	0,62	1,03	4,15	0,56	1,03	Standard	N/A
	086	86			1440	1,35	2,25	2,39	3,98	15,21	0,56	3,98	Standard	N/A
	115	115			1440	0,98	1,64	0,98	1,64	6,64	0,22	1,64	Standard	N/A
	173	173			2880	0,30	0,50	0,30	0,50	7,77	0,54	0,50	Standard	N/A
	230	230			50	16,7	2880	0,30	0,51	0,30	0,51	7,83	0,61	0,51
CK120	011	11	120	40	720	1,35	2,25	2,39	3,98	15,21	0,56	3,98	Standard	N/A
	014	14			720	1,35	2,25	2,39	3,98	15,21	0,56	3,98	Standard	N/A
	021	21			1440	0,74	1,23	0,74	1,23	5,07	0,43	1,23	Standard	N/A
	029	29			1440	0,74	1,23	0,74	1,23	5,07	0,43	1,23	Standard	N/A
	043	43			1440	0,88	1,47	0,88	1,47	7,20	0,48	1,47	Standard	N/A
	057	57			1440	0,86	1,43	0,86	1,43	7,47	0,48	1,43	Standard	N/A
	086	86			1440	0,92	1,53	0,92	1,53	7,30	0,60	1,53	Standard	N/A
	115	115			1440	1,30	2,17	1,30	2,17	13,83	0,44	2,17	Standard	N/A
	173	173			2880	1,78	2,97	1,78	2,97	22,50	0,57	2,97	Standard	N/A
	230	230			100	33,3	2880	1,84	3,07	1,84	3,07	21,60	0,61	3,07
CK250	011	11	250	83,3	720	1,35	2,25	2,39	3,98	15,21	0,56	3,98	Standard	N/A
	014	14			720	0,96	1,60	0,96	1,60	5,33	0,37	1,60	Standard	N/A
	021	21			1440	0,64	1,07	0,64	1,07	8,13	0,19	1,07	Standard	N/A
	029	29			1440	0,64	1,07	0,64	1,07	8,13	0,19	1,07	Standard	N/A
	043	43			1440	1,26	2,10	1,26	2,10	12,97	0,53	2,10	Standard	N/A
	057	57			1440	1,38	2,30	1,38	2,30	15,50	0,43	2,30	Standard	N/A
	086	86			1440	1,36	2,27	1,36	2,27	15,63	0,37	2,27	Standard	N/A
	115	115			1440	1,52	2,53	1,52	2,53	21,13	0,41	2,53	Standard	N/A
	173	173			2880	2,00	3,33	2,00	3,33	38,43	0,62	3,33	Standard	N/A
	230	230			200	66,7	2880	1,72	2,87	1,72	2,87	38,90	0,27	2,87
CK500	011	11	500	166,7	720	1,60	2,67	1,60	2,67	9,33	0,18	2,67	Standard	N/A
	014	14			720	1,64	2,73	1,64	2,73	9,43	0,20	2,73	Standard	N/A
	021	21			1440	1,70	2,83	1,70	2,83	21,07	0,50	2,83	Standard	N/A
	029	29			1440	1,48	2,47	1,48	2,47	13,17	0,67	2,47	Standard	N/A
	043	43			1440	1,40	2,33	1,40	2,33	21,30	-0,10	2,33	Standard	N/A
	057	57			1440	1,52	2,53	1,52	2,53	20,97	0,40	2,53	Standard	N/A
	086	86			1440	2,44	4,07	2,44	4,07	31,13	0,46	4,07	Standard	N/A
	115	115			1440	2,42	4,03	2,42	4,03	44,80	0,43	4,03	Large	N/A
	173	173			2880	5,28	8,80	5,28	8,80	60,13	0,11	8,80	Standard	N/A
	230	230			400	133,3	2880	5,26	8,77	5,26	8,77	56,80	0,10	8,77

AC 3-600V/60Hz asynchronous motors. Short-time duty S2 - 30 min, based on nominal torque at 40°C ambient temperature. Insulation class H.

Motors are suitable for 60 starts/hour operation.

Motor data is approximate, due to manufacturing tolerances, there may be deviations from the stated values. Permissible variation of the mains voltage: $\pm 10\%$. Permissible variation of the mains frequency: $\pm 5\%$ Electric motors are provided with thermoswitches to protect the motor windings against overheating. Thermoswitches are embedded in the motor windings: If those thermoswitches are not connected, or by-passed, in the control circuit actuators will NO longer comply with the essential safety requirements, in that case Rotork warranty will lapse. CKC electric actuators with centronik unit, see datasheet for centronik unit current consumption.

Rotork Controls. All rights reserved. Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets. Due to production tolerance variation, the electrical values shown are averages compiled from Actuator production test data. Values are therefore provided for guidance only. Individual production tests are available on request (nominal load not included). Rotork Controls underwrite rated torque output only (specified tolerance -0/+10%)