

**TITLE: MOTOR DATA. MODULATING RANGE S4-50% DUTY CYCLE, AC 3-460V/60Hz THREE PHASE**  
**MODELS: CKR, CKRC**

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 $\phi$	Overcurrent prot. device setting (A)	Contactor	Thyristor	Maximum starts per hour		
CK30	011	11	30	10	720	0,25	0,53	0,26	0,56	1,07	0,56	0,56	N/A	STANDARD	1200	
	014	14			720	0,25	0,55	0,26	0,57	1,04	0,65	0,57	0,57	N/A	STANDARD	1200
	021	21			1440	0,15	0,33	0,15	0,33	2,16	0,44	0,33	0,33	N/A	STANDARD	1200
	029	29			1440	0,23	0,50	0,23	0,50	2,48	0,35	0,50	0,50	N/A	STANDARD	1200
	043	43			1440	0,28	0,61	0,36	0,78	2,49	0,46	0,78	0,78	N/A	STANDARD	1200
	057	57			1440	0,33	0,73	0,47	1,03	3,34	0,47	1,03	1,03	N/A	STANDARD	1200
	086	86			1440	0,40	0,86	0,53	1,15	3,28	0,72	1,15	1,15	N/A	STANDARD	1200
	115	115			1440	0,49	1,07	0,53	1,14	4,20	0,69	1,14	1,14	N/A	STANDARD	1200
CK60	011	11	60	20	720	0,41	0,90	0,44	0,97	2,06	0,44	0,97	N/A	STANDARD	1200	
	014	14			720	0,42	0,92	0,46	1,00	2,12	0,49	1,00	1,00	N/A	STANDARD	1200
	021	21			1440	0,39	0,85	0,39	0,85	4,01	0,33	0,85	0,85	N/A	STANDARD	1200
	029	29			1440	0,38	0,83	0,38	0,83	3,99	0,36	0,83	0,83	N/A	STANDARD	1200
	043	43			1440	0,39	0,85	0,39	0,85	4,08	0,40	0,85	0,85	N/A	STANDARD	1200
	057	57			1440	0,45	0,99	0,73	1,58	4,37	0,65	1,58	1,58	N/A	STANDARD	1200
	086	86			1440	0,71	1,54	0,94	2,04	6,50	0,56	2,04	2,04	N/A	STANDARD	1200
	115	115			1440	0,73	1,60	1,22	2,66	6,52	0,62	2,66	2,66	N/A	STANDARD	1200
CK120	011	11	120	40	720	0,41	0,90	0,41	0,90	2,90	0,21	0,90	N/A	STANDARD	1200	
	014	14			720	0,41	0,90	0,41	0,90	2,93	0,22	0,90	0,90	N/A	STANDARD	1200
	021	21			1440	0,61	1,33	0,80	1,73	8,33	0,46	1,73	1,73	N/A	STANDARD	1200
	029	29			1440	0,60	1,30	0,87	1,90	8,47	0,48	1,90	1,90	N/A	STANDARD	1200
	043	43			1440	0,64	1,40	1,09	2,37	7,93	0,59	2,37	2,37	N/A	STANDARD	1200
	057	57			1440	0,67	1,47	1,15	2,50	11,00	0,29	2,50	2,50	N/A	STANDARD	1200
	086	86			1440	1,10	2,40	1,61	3,50	14,73	0,55	3,50	3,50	N/A	STANDARD	1200
	115	115			1440	1,12	2,43	1,86	4,03	14,93	0,56	4,03	4,03	N/A	STANDARD	1200
CK250	011	11	250	83,3	720	0,92	2,00	1,06	2,30	6,30	0,43	2,30	N/A	STANDARD	1200	
	014	14			720	0,87	1,90	1,07	2,33	6,30	0,42	2,33	2,33	N/A	STANDARD	1200
	021	21			1440	0,94	2,03	0,94	2,03	15,00	0,46	2,03	2,03	N/A	STANDARD	900
	029	29			1440	1,00	2,17	1,56	3,40	14,87	0,53	3,40	3,40	N/A	STANDARD	900
	043	43			1440	1,04	2,27	1,70	3,70	13,77	0,61	3,70	3,70	N/A	STANDARD	600
	057	57			1440	1,03	2,23	1,03	2,23	14,27	0,59	2,23	2,23	N/A	STANDARD	600
	086	86			1440	1,24	2,70	2,70	5,87	15,90	0,78	5,87	5,87	N/A	STANDARD	400
	115	115			1440	1,17	2,53	1,17	2,53	23,70	0,37	2,53	2,53	N/A	STANDARD	400
CK500	011	11	500	166,7	720	1,55	3,37	1,55	3,37	11,60	0,29	3,37	N/A	STANDARD	1200	
	014	14			720	1,52	3,30	1,52	3,30	11,73	0,23	3,30	3,30	N/A	STANDARD	1200
	021	21			1440	1,03	2,23	1,95	4,23	13,97	0,60	4,23	4,23	N/A	STANDARD	900
	029	29			1440	0,94	2,03	2,28	4,97	16,17	0,62	4,97	4,97	N/A	STANDARD	900
	043	43			1440	1,44	3,13	3,07	6,67	21,13	0,73	6,67	6,67	N/A	STANDARD	600
	057	57			1440	1,96	4,27	3,70	8,03	28,73	0,64	8,03	8,03	N/A	STANDARD	600
	086	86			1440	2,19	4,77	5,43	11,80	36,07	0,70	11,80	11,80	N/A	STANDARD	400
	115	115			1440	2,04	4,43	2,04	4,43	58,70	0,32	4,43	4,43	N/A	STANDARD	400

AC 3-460V/60Hz asynchronous motors. Short-time duty S4 – 50%, based on nominal torque at 40°C ambient temperature. Insulation class H .

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 thermostats to protect the motor windings against overheating. Thermostats are embedded in the motor windings: If those thermostats 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%)