

TITLE: MOTOR DATA. MODULATING RANGE S4-25% DUTY CYCLE, AC 3-440V/50Hz 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 ϕ	Overcurrent prot. device setting (A)	Contactor	Thyristor	Maximum starts per hour	
CK30	009	9	30	10	720	0,21	0,47	0,21	0,47	0,91	0,66	0,47	N/A	STANDARD	1200
	012	12			720	0,20	0,46	0,20	0,46	0,94	0,60	0,46	N/A	STANDARD	1200
	018	18			1440	0,20	0,45	0,24	0,55	1,54	0,55	0,55	N/A	STANDARD	1200
	024	24			1440	0,22	0,49	0,27	0,61	1,76	0,52	0,61	N/A	STANDARD	1200
	036	36			1440	0,30	0,67	0,35	0,79	2,51	0,49	0,79	N/A	STANDARD	1200
	048	48			1440	0,29	0,67	0,36	0,83	2,48	0,43	0,83	N/A	STANDARD	1200
	072	72			1440	0,34	0,77	0,44	0,99	2,55	0,67	0,99	N/A	STANDARD	1200
	096	96			1440	0,37	0,83	0,51	1,15	3,05	0,60	1,15	N/A	STANDARD	1200
CK60	009	9	60	20	720	0,28	0,63	0,28	0,63	1,36	0,63	0,63	N/A	STANDARD	1200
	012	12			720	1,18	2,68	1,75	3,98	15,21	0,56	3,98	N/A	STANDARD	1200
	018	18			1440	0,32	0,73	0,39	0,90	2,97	0,41	0,90	N/A	STANDARD	1200
	024	24			1440	0,39	0,88	0,45	1,02	2,98	0,69	1,02	N/A	STANDARD	1200
	036	36			1440	0,36	0,82	0,51	1,16	3,03	0,59	1,16	N/A	STANDARD	1200
	048	48			1440	0,56	1,28	0,69	1,57	5,23	0,51	1,57	N/A	STANDARD	1200
	072	72			1440	0,62	1,42	0,82	1,85	5,04	0,63	1,85	N/A	STANDARD	1200
	096	96			1440	0,60	1,35	0,95	2,15	6,02	0,39	2,15	N/A	STANDARD	1200
CK120	009	9	120	40	720	1,18	2,68	1,75	3,98	15,21	0,56	3,98	N/A	STANDARD	1200
	012	12			720	1,18	2,68	1,75	3,98	15,21	0,56	3,98	N/A	STANDARD	1200
	018	18			1440	0,43	0,97	0,43	0,97	5,70	0,46	0,97	N/A	STANDARD	1200
	024	24			1440	0,43	0,97	0,43	0,97	5,77	0,43	0,97	N/A	STANDARD	1200
	036	36			1440	0,53	1,21	0,89	2,03	5,63	0,26	2,03	N/A	STANDARD	1200
	048	48			1440	0,80	1,82	1,00	2,27	11,10	0,52	2,27	N/A	STANDARD	1200
	072	72			1440	0,91	2,08	1,32	3,00	11,13	0,61	3,00	N/A	STANDARD	1200
	096	96			1440	0,93	2,12	1,70	3,87	11,30	0,45	3,87	N/A	STANDARD	1200
CK250	009	9	250	83,3	720	0,53	1,20	0,53	1,20	4,03	0,46	1,20	N/A	STANDARD	1200
	012	12			720	0,51	1,17	0,51	1,17	5,30	0,42	1,17	N/A	STANDARD	1200
	018	18			1440	0,73	1,66	1,11	2,53	8,67	0,55	2,53	N/A	STANDARD	900
	024	24			1440	0,84	1,90	1,23	2,80	8,33	0,66	2,80	N/A	STANDARD	900
	036	36			1440	0,79	1,80	0,79	1,80	11,77	0,58	1,80	N/A	STANDARD	600
	048	48			1440	0,72	1,63	0,72	1,63	11,83	0,41	1,63	N/A	STANDARD	600
	072	72			1440	1,33	3,03	2,29	5,20	16,70	0,74	5,20	N/A	STANDARD	400
	096	96			1440	1,51	3,42	2,55	5,80	24,33	0,34	5,80	N/A	STANDARD	400
CK500	009	9	500	166,7	720	0,82	1,87	0,82	1,87	7,27	0,12	1,87	N/A	STANDARD	1200
	012	12			720	0,82	1,87	0,82	1,87	15,17	0,22	1,87	N/A	STANDARD	1200
	018	18			1440	1,32	3,01	2,13	4,83	17,03	0,63	4,83	N/A	STANDARD	900
	024	24			1440	1,49	3,39	2,36	5,37	25,33	0,42	5,37	N/A	STANDARD	900
	036	36			1440	1,52	3,45	2,95	6,70	16,93	0,64	6,70	N/A	STANDARD	600
	048	48			1440	2,29	5,20	6,29	14,30	23,90	0,65	14,30	N/A	STANDARD	600
	072	72			1440	2,34	5,32	4,17	9,47	46,17	0,48	9,47	N/A	STANDARD	400
	096	96			1440	2,65	6,02	4,91	11,17	47,43	0,55	11,17	N/A	STANDARD	400

AC 3-440V/50Hz asynchronous motors. Short-time duty S4 – 25%, 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%)