

**TITLE: MOTOR DATA. MODULATING RANGE S4-25% DUTY CYCLE, AC 3-240V/50Hz THREE PHASE**  
**MODELS: CKR, CKRA, CKRC**

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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)	Contactors	Thyristor	Maximum starts per hour	
CK30	009	9	30	15	720	0,09	0,36	0,09	0,36	2,07	0,86	0,36	STANDARD	OPTIONAL	600
	012	12			720	0,26	1,07	0,26	1,07	2,05	0,59	1,07	STANDARD	OPTIONAL	600
	018	18			1440	0,24	1,02	0,27	1,12	3,28	0,53	1,12	STANDARD	OPTIONAL	600
	024	24			1440	0,25	1,04	0,28	1,19	3,35	0,56	1,19	STANDARD	OPTIONAL	600
	036	36			1440	0,29	1,22	0,31	1,29	3,88	0,68	1,29	STANDARD	OPTIONAL	600
	048	48			1440	0,35	1,46	0,36	1,51	5,34	0,48	1,51	STANDARD	OPTIONAL	600
	072	72			1440	0,40	1,68	0,47	1,94	5,50	0,65	1,94	STANDARD	OPTIONAL	600
	096	96			1440	0,44	1,83	0,55	2,28	6,50	0,52	2,28	STANDARD	OPTIONAL	600
CK60	009	9	60	30	720	0,34	1,42	0,34	1,42	2,92	0,54	1,42	STANDARD	OPTIONAL	600
	012	12			720	0,35	1,46	0,35	1,46	2,97	0,61	1,46	STANDARD	OPTIONAL	600
	018	18			1440	0,41	1,70	0,45	1,88	6,45	0,46	1,88	STANDARD	OPTIONAL	600
	024	24			1440	0,43	1,78	0,49	2,03	6,50	0,51	2,03	STANDARD	OPTIONAL	600
	036	36			1440	0,45	1,87	0,54	2,26	6,65	0,55	2,26	STANDARD	OPTIONAL	600
	048	48			1440	0,50	2,10	0,67	2,78	7,23	0,56	2,78	STANDARD	OPTIONAL	600
	072	72			1440	0,75	3,13	0,90	3,73	11,17	0,53	3,73	STANDARD	OPTIONAL	600
	096	96			1440	0,81	3,37	0,96	4,01	11,34	0,58	4,01	STANDARD	OPTIONAL	600
CK120	009	9	120	60	720	0,64	2,68	0,96	3,98	15,21	0,56	3,98	STANDARD	OPTIONAL	600
	012	12			720	0,64	2,68	0,96	3,98	15,21	0,56	3,98	STANDARD	OPTIONAL	600
	018	18			1440	0,61	2,56	0,80	3,33	8,97	0,52	3,33	STANDARD	OPTIONAL	600
	024	24			1440	0,62	2,57	0,62	2,57	12,37	0,49	2,57	STANDARD	OPTIONAL	600
	036	36			1440	0,65	2,70	0,82	3,40	12,60	0,50	3,40	STANDARD	OPTIONAL	600
	048	48			1440	0,68	2,84	0,88	3,67	12,50	0,54	3,67	STANDARD	OPTIONAL	600
	072	72			1440	1,10	4,58	1,42	5,93	24,17	0,51	5,93	STANDARD	OPTIONAL	600
	096	96			1440	1,17	4,88	1,62	6,73	23,53	0,57	6,73	STANDARD	OPTIONAL	600
CK250	009	9	250	125	720	0,71	2,97	0,71	2,97	9,53	0,36	2,97	STANDARD	OPTIONAL	600
	012	12			720	0,67	2,80	0,67	2,80	9,30	0,27	2,80	STANDARD	OPTIONAL	600
	018	18			1440	0,82	3,42	1,02	4,27	18,37	0,51	4,27	STANDARD	OPTIONAL	600
	024	24			1440	0,86	3,57	1,14	4,77	18,07	0,53	4,77	STANDARD	OPTIONAL	600
	036	36			1440	1,01	4,20	1,01	4,20	25,73	0,18	4,20	STANDARD	OPTIONAL	600
	048	48			1440	1,04	4,33	1,04	4,33	26,00	0,53	4,33	STANDARD	OPTIONAL	600
	072	72			1440	1,33	5,55	2,16	9,00	25,67	0,56	9,00	STANDARD	OPTIONAL	400
	096	96			1440	1,66	6,93	2,86	11,90	36,87	0,64	11,90	STANDARD	OPTIONAL	400
CK500	009	9	500	250	720	1,24	5,17	1,24	5,17	16,63	0,34	5,17	STANDARD	OPTIONAL	600
	012	12			720	1,21	5,03	1,21	5,03	16,40	0,29	5,03	STANDARD	OPTIONAL	600
	018	18			1440	1,36	5,68	1,83	7,63	35,50	0,52	7,63	STANDARD	OPTIONAL	600
	024	24			1440	1,23	5,12	2,01	8,37	25,90	0,52	8,37	STANDARD	OPTIONAL	600
	036	36			1440	1,63	6,79	2,61	10,87	37,13	0,60	10,87	STANDARD	OPTIONAL	600
	048	48			1440	1,79	7,46	3,08	12,83	36,00	0,65	12,83	STANDARD	OPTIONAL	600
	072	72			1440	2,52	10,51	4,16	17,33	52,77	0,60	17,33	STANDARD	OPTIONAL	400
	096	96			1440	3,10	12,93	4,88	20,33	100,83	0,26	20,33	STANDARD	OPTIONAL	400

AC 3-240V/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-atronik unit, see datasheet for centronik-atronik unit current consumption.