

TITLE: MOTOR DATA. MODULATING RANGE S4-25% DUTY CYCLE, AC 3-220V/60Hz THREE PHASE
MODELS: CKR, CKRA, 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 j	Overcurrent prot. device setting (A)	Contactor	Thyristor	Maximum starts per hour
CK30	011	11	30	15	720	0,23	1,03	0,24	1,08	2,06	0,61	1,08	STANDARD	OPTIONAL	600
	014	14			720	0,24	1,08	0,25	1,14	2,06	0,66	1,14	STANDARD	OPTIONAL	600
	021	21			1440	0,26	1,18	0,30	1,37	4,01	0,65	1,37	STANDARD	OPTIONAL	600
	029	29			1440	0,30	1,38	0,34	1,53	4,74	0,68	1,53	STANDARD	OPTIONAL	600
	043	43			1440	0,34	1,53	0,39	1,79	6,37	0,46	1,79	STANDARD	OPTIONAL	600
	057	57			1440	0,40	1,80	0,48	2,18	6,41	0,68	2,18	STANDARD	OPTIONAL	600
	086	86			1440	0,42	1,92	0,50	2,28	6,30	0,75	2,28	STANDARD	OPTIONAL	600
	115	115			1440	0,41	1,86	0,62	2,82	7,85	0,41	2,82	STANDARD	OPTIONAL	600
CK60	011	11	60	30	720	0,38	1,73	0,41	1,85	3,87	0,48	1,85	STANDARD	OPTIONAL	600
	014	14			720	0,39	1,78	0,44	2,01	3,97	0,48	2,01	STANDARD	OPTIONAL	600
	021	21			1440	0,39	1,78	0,49	2,21	7,68	0,47	2,21	STANDARD	OPTIONAL	600
	029	29			1440	0,45	2,05	0,64	2,91	8,09	0,56	2,91	STANDARD	OPTIONAL	600
	043	43			1440	0,43	1,97	0,63	2,86	8,03	0,56	2,86	STANDARD	OPTIONAL	600
	057	57			1440	0,65	2,96	0,81	3,66	12,50	0,55	3,66	STANDARD	OPTIONAL	600
	086	86			1440	0,72	3,28	0,96	4,38	12,18	0,62	4,38	STANDARD	OPTIONAL	600
	115	115			1440	0,76	3,44	0,76	3,44	14,25	0,73	3,44	STANDARD	OPTIONAL	600
CK120	011	11	120	60	720	0,18	0,83	0,18	0,83	5,57	0,77	0,83	STANDARD	OPTIONAL	600
	014	14			720	0,40	1,83	0,40	1,83	5,60	0,42	1,83	STANDARD	OPTIONAL	600
	021	21			1440	0,60	2,73	0,75	3,40	15,60	0,49	3,40	STANDARD	OPTIONAL	600
	029	29			1440	0,62	2,80	0,81	3,70	15,20	0,52	3,70	STANDARD	OPTIONAL	600
	043	43			1440	0,71	3,21	1,02	4,63	15,80	0,63	4,63	STANDARD	OPTIONAL	600
	057	57			1440	0,98	4,45	1,28	5,80	29,17	0,39	5,80	STANDARD	OPTIONAL	600
	086	86			1440	1,12	5,08	1,58	7,20	27,83	0,53	7,20	STANDARD	OPTIONAL	600
	115	115			1440	1,31	5,96	1,97	8,93	27,83	0,68	8,93	STANDARD	OPTIONAL	600
CK250	011	11	250	125	720	0,83	3,76	0,98	4,43	11,73	0,41	4,43	STANDARD	OPTIONAL	600
	014	14			720	0,82	3,72	1,01	4,60	11,50	0,38	4,60	STANDARD	OPTIONAL	600
	021	21			1440	0,98	4,46	1,26	5,73	27,60	0,53	5,73	STANDARD	OPTIONAL	600
	029	29			1440	0,81	3,67	0,81	3,67	28,00	0,23	3,67	STANDARD	OPTIONAL	600
	043	43			1440	1,06	4,81	1,61	7,33	29,20	0,68	7,33	STANDARD	OPTIONAL	600
	057	57			1440	1,12	5,11	2,03	9,23	30,17	0,62	9,23	STANDARD	OPTIONAL	600
	086	86			1440	1,35	6,13	1,35	6,13	54,93	0,17	6,13	STANDARD	OPTIONAL	400
	115	115			1440	2,10	9,55	3,37	15,30	54,33	0,66	15,30	STANDARD	OPTIONAL	400
CK500	011	11	500	250	720	1,06	4,83	1,06	4,83	19,47	0,34	4,83	STANDARD	OPTIONAL	600
	014	14			720	1,00	4,53	1,00	4,53	19,13	0,16	4,53	STANDARD	OPTIONAL	600
	021	21			1440	1,60	7,27	2,09	9,50	52,13	0,44	9,50	STANDARD	OPTIONAL	600
	029	29			1440	1,77	8,03	2,33	10,60	54,50	0,47	10,60	STANDARD	OPTIONAL	600
	043	43			1440	1,31	5,93	1,31	5,93	58,70	0,09	5,93	STANDARD	OPTIONAL	600
	057	57			1440	1,54	7,00	1,54	7,00	62,60	0,16	7,00	STANDARD	OPTIONAL	600
	086	86			1440	1,70	7,73	1,70	7,73	111,00	0,19	7,73	STANDARD	OPTIONAL	400
	115	115			1440	1,73	7,87	1,73	7,87	111,17	0,24	7,87	STANDARD	OPTIONAL	400

AC 3-220V/60Hz 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: ±10 %. Permissible variation of the mains frequency: ±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. CKRC-CKRA electric actuators with centronik-atronik unit, see datasheet for centronik-atronik unit current consumption.