

TITLE: MOTOR DATA. ISOLATING RANGE S2-15 MIN DUTY CYCLE, AC 1-240V/60Hz SINGLE PHASE
MODELS: CK, CKA, 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) $\cos \varphi$	Overcurrent prot. device setting (A)	Contactor	
CK30	21	21	30	10	1750	0,26	1,1	0,38	1,6	4,6	0,98	1,6	Standard
	29	29			1750	0,24	1	0,41	1,7	4,8	0,97	1,7	Standard
	43	43			1750	0,26	1,1	0,48	2	5,9	0,99	2	Standard
	57	57			1750	0,26	1,1	0,43	1,8	5,7	0,98	1,8	Standard
	86	86			1750	0,55	2,3	0,70	2,9	6,2	0,67	2,9	Standard
	115	115			1750	0,53	2,2	0,77	3,2	8,9	0,81	3,2	Standard
	173	173			3500	0,67	2,8	1,20	5	13,2	0,98	5	Standard
	230	230	25	8,3	3500	0,62	2,6	1,06	4,4	14,6	1,00	4,4	Standard
CK60	21	21	60	20	1750	0,55	2,3	0,72	3	6,2	0,65	3	Standard
	29	29			1750	0,48	2	1,06	4,4	16,1	0,99	4,4	Standard
	43	43			1750	0,48	2	0,82	3,4	9,7	0,78	3,4	Standard
	57	57			1750	0,48	2	0,74	3,1	8,9	0,79	3,1	Standard
	86	86			1750	0,60	2,5	1,13	4,7	15	0,75	4,7	Standard
	115	115			1750	0,576	2,4	1,104	4,6	15,5	0,755	4,6	Standard
	173	173			3500	1,22	5,1	2,47	10,3	23	0,91	10,3	Standard
	230	230	50	16,7	3500	1,368	5,7	2,024	8,8	19,4	0,556	8,8	Standard
CK120	21	21	120	40	1750	0,72	3	1,15	4,8	11,2	0,80	4,8	Standard
	29	29			1750	0,6	2,5	1,104	4,6	15,1	0,842	4,6	Standard
	43	43			1750	0,72	3	1,34	5,6	15,1	0,90	5,6	Standard
	57	57			1750	0,96	4	1,61	6,7	19,5	0,63	6,7	Standard
	86	86			1750	1,22	5,1	2,26	9,4	27,7	0,81	9,4	Standard
	115	115			1750	1,15	4,8	2,38	9,9	28,1	0,72	9,9	Standard
	173	173			3500	1,87	7,8	3,79	15,8	44,4	0,95	15,8	Standard
	230	230	100	33,3	3500	2,16	9	4,152	17,3	49,8	0,593	17,3	Standard
CK250	21	21	250	83,3	1750	0,79	3,3	1,824	7,6	19	0,78	7,6	Standard
	29	29			1750	0,79	3,3	1,75	7,3	19	0,78	7,3	Standard
	43	43			1750	1,22	5,1	2,33	9,7	29,6	0,59	9,7	Standard
	57	57			1750	0,96	4	3,264	13,6	28,4	0,807	13,6	Standard

AC 1-240V/60Hz asynchronous motors. Short-time duty S2 - 15 min, based on nominal torque at 40°C ambient temperature. Insulation class F. (H, under request). 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-atronik unit, see datasheet for centronik-atronik unit current consumption.

This sheet is valid for CE MARKED MOTORS only.

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%)