

TITLE: MOTOR DATA. ISOLATING RANGE S2-15 MIN DUTY CYCLE, AC 3-400V/50Hz THREE PHASE
MODELS: CK, CKC

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%)

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)	Contactors	Thyristor
9	30	10	720	0,22	0,56	0,23	0,56	1,01	0,67	0,56	Standard	OPTIONAL
12			720	0,22	0,54	0,23	0,57	0,97	0,61	0,57	Standard	OPTIONAL
18			1440	0,22	0,55	0,28	0,70	1,92	0,51	0,70	Standard	OPTIONAL
24			1440	0,22	0,55	0,30	0,74	1,91	0,58	0,74	Standard	OPTIONAL
36			1440	0,26	0,64	0,31	0,78	2,21	0,68	0,78	Standard	OPTIONAL
48			1440	0,26	0,66	0,36	0,89	2,26	0,60	0,89	Standard	OPTIONAL
72			1440	0,31	0,78	0,44	1,11	3,68	0,54	1,11	Standard	OPTIONAL
96			1440	0,36	0,90	0,55	1,38	3,67	0,41	1,38	Standard	OPTIONAL
144			2880	0,56	1,40	0,82	2,04	5,15	0,81	2,04	Standard	OPTIONAL
192	25	8,3	2880	0,45	1,13	0,49	1,22	5,97	0,63	1,22	Standard	OPTIONAL
9	60	20	720	0,38	0,95	0,39	0,98	1,96	0,54	0,98	Standard	OPTIONAL
12			720	0,38	0,94	0,42	1,06	1,91	0,54	1,06	Standard	OPTIONAL
18			1440	0,34	0,85	0,38	0,96	3,28	0,56	0,96	Standard	OPTIONAL
24			1440	0,40	1,00	0,49	1,23	3,63	0,54	1,23	Standard	OPTIONAL
36			1440	0,39	0,99	0,56	1,40	3,86	0,65	1,40	Standard	OPTIONAL
48			1440	0,37	0,93	0,73	1,83	3,90	0,55	1,83	Standard	OPTIONAL
72			1440	0,67	1,66	0,85	2,13	6,07	0,59	2,13	Standard	OPTIONAL
96			1440	0,65	1,61	1,03	2,57	6,22	0,58	2,57	Standard	OPTIONAL
144			2880	0,42	1,04	1,24	3,09	14,00	0,42	3,09	Standard	OPTIONAL
192	50	16,7	2880	0,81	2,02	1,46	3,64	11,45	0,91	3,64	Standard	OPTIONAL
9	120	40	720	0,36	0,90	0,49	1,23	2,50	0,50	1,23	Standard	OPTIONAL
12			720	0,33	0,83	0,49	1,23	2,53	0,26	1,23	Standard	OPTIONAL
18			1440	0,36	0,90	0,56	1,40	3,83	0,70	1,40	Standard	OPTIONAL
24			1440	0,36	0,90	0,56	1,40	3,83	0,70	1,40	Standard	OPTIONAL
36			1440	0,57	1,43	0,89	2,23	7,67	0,43	2,23	Standard	OPTIONAL
48			1440	0,61	1,53	0,95	2,37	7,77	0,58	2,37	Standard	OPTIONAL
72			1440	0,75	1,87	1,27	3,17	10,13	0,66	3,17	Standard	OPTIONAL
96			1440	1,07	2,67	1,92	4,80	13,47	0,63	4,80	Standard	OPTIONAL
144			2880	0,96	2,40	2,24	5,60	15,97	0,86	5,60	Standard	OPTIONAL
192	100	33,3	2880	1,31	3,27	2,45	6,13	20,70	0,85	6,13	Standard	OPTIONAL
9	250	83,3	720	0,90	2,25	1,59	3,98	15,21	0,56	3,98	Standard	OPTIONAL
12			720	0,88	2,20	0,99	2,47	6,63	0,47	2,47	Standard	OPTIONAL
18			1440	0,91	2,27	1,11	2,77	13,87	0,53	2,77	Standard	OPTIONAL
24			1440	0,64	1,60	1,13	2,83	10,23	0,62	2,83	Standard	OPTIONAL
36			1440	0,95	2,37	1,47	3,67	12,73	0,58	3,67	Standard	OPTIONAL
48			1440	1,20	3,00	1,61	4,03	13,40	0,78	4,03	Standard	OPTIONAL
72			1440	0,99	2,47	2,23	5,57	16,87	0,73	5,57	Standard	OPTIONAL
96			1440	1,27	3,17	3,00	7,50	22,37	0,64	7,50	Standard	N/A
144			2880	1,31	3,27	4,45	11,13	33,90	0,79	11,13	Standard	N/A
192	200	66,7	2880	1,00	2,50	3,36	8,40	34,47	0,75	8,40	Standard	N/A
9	500	166,7	720	1,19	2,97	1,49	3,73	11,67	0,29	3,73	Standard	OPTIONAL
12			720	1,76	4,40	2,09	5,23	11,73	0,25	5,23	Standard	OPTIONAL
18			1440	0,88	2,20	1,81	4,53	12,90	0,53	4,53	Standard	OPTIONAL
24			1440	1,03	2,57	1,92	4,80	21,93	0,53	4,80	Standard	OPTIONAL
36			1440	1,04	2,60	2,52	6,30	19,43	0,74	6,30	Standard	OPTIONAL
48			1440	1,31	3,27	3,12	7,80	21,53	0,70	7,80	Standard	OPTIONAL
72			1440	1,75	4,37	4,19	10,47	32,17	0,58	10,47	Standard	OPTIONAL
96			1440	2,53	6,33	5,61	14,03	55,77	0,60	14,03	Large	N/A
144			2880	3,12	7,80	7,09	17,73	85,37	0,83	17,73	Standard	N/A
192	400	133,3	2880	3,05	7,63	8,11	20,27	73,43	0,82	20,27	Large	N/A

AC 3-400V/50Hz 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: ±10 %. Permissible variation of the mains frequency: ±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.