

**TITLE: MOTOR DATA. ISOLATING RANGE S2-15 MIN DUTY CYCLE, AC 1-220V/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	
<b>CK30</b>	<b>21</b>	21	<b>30</b>	10	1750	0,24	1,1	0,40	1,8	4,4	0,956	1,8	Standard
	<b>29</b>	29			1750	0,24	1,1	0,37	1,7	4,3	0,945	1,7	Standard
	<b>43</b>	43			1750	0,29	1,3	0,40	1,8	5,2	0,915	1,8	Standard
	<b>57</b>	57			1750	0,29	1,3	0,44	2	5,2	0,892	2	Standard
	<b>86</b>	86			1750	0,59	2,7	0,70	3,2	5,7	0,698	3,2	Standard
	<b>115</b>	115			1750	0,59	2,7	0,64	2,9	8,4	0,76	2,9	Standard
	<b>173</b>	173			3500	0,68	3,1	0,88	4	15,2	0,817	4	Standard
	<b>230</b>	230	<b>25</b>	8,3	3500	0,79	3,6	1,34	6,1	15,9	0,87	6,1	Standard
<b>CK60</b>	<b>21</b>	21	<b>60</b>	20	1750	0,57	2,6	0,70	3,2	5,6	0,657	3,2	Standard
	<b>29</b>	29			1750	0,55	2,5	1,12	5,1	14,8	0,782	5,1	Standard
	<b>43</b>	43			1750	0,55	2,5	0,86	3,9	8,8	0,717	3,9	Standard
	<b>57</b>	57			1750	0,55	2,5	0,79	3,6	9,1	0,705	3,6	Standard
	<b>86</b>	86			1750	0,42	1,9	1,14	5,2	14,1	0,932	5,2	Standard
	<b>115</b>	115			1750	0,462	2,1	1,672	7,6	13,9	0,957	7,6	Standard
	<b>173</b>	173			3500	0,57	2,6	2,20	10	21,4	0,983	10	Standard
	<b>230</b>	230	<b>50</b>	16,7	3500	1,254	5,7	2,024	8,8	19,4	0,556	8,8	Standard
<b>CK120</b>	<b>21</b>	21	<b>120</b>	40	1750	0,75	3,4	1,08	4,9	10	0,74	4,9	Standard
	<b>29</b>	29			1750	0,55	2,5	1,078	4,9	14,1	0,970	4,9	Standard
	<b>43</b>	43			1750	0,59	2,7	1,28	5,8	14,2	0,975	5,8	Standard
	<b>57</b>	57			1750	0,57	2,6	1,47	6,7	19	0,737	6,7	Standard
	<b>86</b>	86			1750	0,97	4,4	2,02	9,2	25,1	0,957	9,2	Standard
	<b>115</b>	115			1750	0,73	3,3	2,11	9,6	26,9	0,873	9,6	Standard
	<b>173</b>	173			3500	1,56	7,1	3,70	16,8	45,7	0,988	16,8	Standard
	<b>230</b>	230	<b>100</b>	33,3	3500	1,1	5	4,004	18,2	42,2	0,811	18,2	Standard
<b>CK250</b>	<b>21</b>	21	<b>250</b>	83,3	1750	0,53	2,4	1,43	6,5	17,7	0,936	6,5	Standard
	<b>29</b>	29			1750	0,57	2,6	1,61	7,3	17,8	0,957	7,3	Standard
	<b>43</b>	43			1750	0,70	3,2	2,16	9,8	26,4	0,848	9,8	Standard
	<b>57</b>	57			1750	0,75	3,4	2,618	11,9	26	0,863	11,9	Standard

AC 1-220V/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.**

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