

TITLE: MOTOR DATA. MODULATING RANGE S4-25% DUTY CYCLE, AC 3-400V/50Hz THREE PHASE
MODELS: CKR, 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 ϕ | Overcurrent prot. device setting (A) | Contactor | Thyristor | Maximum starts per hour | | |
|----------------|--------------------|----------------------------|----------------------|-------------------|--------------------|---------------------|-----------------------------------|------------------------------------|-------------------------|-----------------------------------|--------------------------------------|-----------|-----------|-------------------------|----------|------|
| CK30 | 009 | 9 | 30 | 10 | 720 | 0,22 | 0,56 | 0,23 | 0,56 | 1,01 | 0,67 | 0,56 | N/A | STANDARD | 1200 | |
| | 012 | 12 | | | 720 | 0,22 | 0,55 | 0,23 | 0,57 | 0,97 | 0,61 | 0,57 | 0,57 | N/A | STANDARD | 1200 |
| | 018 | 18 | | | 1440 | 0,23 | 0,58 | 0,28 | 0,70 | 1,92 | 0,51 | 0,70 | 0,70 | N/A | STANDARD | 1200 |
| | 024 | 24 | | | 1440 | 0,24 | 0,60 | 0,30 | 0,74 | 1,91 | 0,58 | 0,74 | 0,74 | N/A | STANDARD | 1200 |
| | 036 | 36 | | | 1440 | 0,27 | 0,68 | 0,31 | 0,78 | 2,21 | 0,68 | 0,78 | 0,78 | N/A | STANDARD | 1200 |
| | 048 | 48 | | | 1440 | 0,29 | 0,72 | 0,36 | 0,89 | 2,26 | 0,60 | 0,89 | 0,89 | N/A | STANDARD | 1200 |
| | 072 | 72 | | | 1440 | 0,35 | 0,86 | 0,44 | 1,11 | 3,68 | 0,54 | 1,11 | 1,11 | N/A | STANDARD | 1200 |
| | 096 | 96 | | | 1440 | 0,41 | 1,02 | 0,55 | 1,38 | 3,67 | 0,41 | 1,38 | 1,38 | N/A | STANDARD | 1200 |
| CK60 | 009 | 9 | 60 | 20 | 720 | 0,38 | 0,96 | 0,39 | 0,98 | 1,96 | 0,54 | 0,98 | N/A | STANDARD | 1200 | |
| | 012 | 12 | | | 720 | 0,39 | 0,97 | 0,42 | 1,06 | 1,91 | 0,54 | 1,06 | 1,06 | N/A | STANDARD | 1200 |
| | 018 | 18 | | | 1440 | 0,35 | 0,88 | 0,38 | 0,96 | 3,28 | 0,56 | 0,96 | 0,96 | N/A | STANDARD | 1200 |
| | 024 | 24 | | | 1440 | 0,42 | 1,06 | 0,49 | 1,23 | 3,63 | 0,54 | 1,23 | 1,23 | N/A | STANDARD | 1200 |
| | 036 | 36 | | | 1440 | 0,44 | 1,09 | 0,56 | 1,40 | 3,86 | 0,65 | 1,40 | 1,40 | N/A | STANDARD | 1200 |
| | 048 | 48 | | | 1440 | 0,46 | 1,16 | 0,73 | 1,83 | 3,90 | 0,55 | 1,83 | 1,83 | N/A | STANDARD | 1200 |
| | 072 | 72 | | | 1440 | 0,71 | 1,78 | 0,85 | 2,13 | 6,07 | 0,59 | 2,13 | 2,13 | N/A | STANDARD | 1200 |
| | 096 | 96 | | | 1440 | 0,74 | 1,85 | 1,03 | 2,57 | 6,22 | 0,58 | 2,57 | 2,57 | N/A | STANDARD | 1200 |
| CK120 | 009 | 9 | 120 | 40 | 720 | 0,39 | 0,98 | 0,49 | 1,23 | 2,50 | 0,50 | 1,23 | N/A | STANDARD | 1200 | |
| | 012 | 12 | | | 720 | 0,37 | 0,93 | 0,49 | 1,23 | 2,53 | 0,26 | 1,23 | 1,23 | N/A | STANDARD | 1200 |
| | 018 | 18 | | | 1440 | 0,41 | 1,03 | 0,56 | 1,40 | 3,83 | 0,70 | 1,40 | 1,40 | N/A | STANDARD | 1200 |
| | 024 | 24 | | | 1440 | 0,41 | 1,03 | 0,56 | 1,40 | 3,83 | 0,70 | 1,40 | 1,40 | N/A | STANDARD | 1200 |
| | 036 | 36 | | | 1440 | 0,65 | 1,63 | 0,89 | 2,23 | 7,67 | 0,43 | 2,23 | 2,23 | N/A | STANDARD | 1200 |
| | 048 | 48 | | | 1440 | 0,70 | 1,74 | 0,95 | 2,37 | 7,77 | 0,58 | 2,37 | 2,37 | N/A | STANDARD | 1200 |
| | 072 | 72 | | | 1440 | 0,88 | 2,19 | 1,27 | 3,17 | 10,13 | 0,66 | 3,17 | 3,17 | N/A | STANDARD | 1200 |
| | 096 | 96 | | | 1440 | 1,28 | 3,20 | 1,92 | 4,80 | 13,47 | 0,63 | 4,80 | 4,80 | N/A | STANDARD | 1200 |
| CK250 | 009 | 9 | 250 | 83,3 | 720 | 1,07 | 2,68 | 1,59 | 3,98 | 15,21 | 0,56 | 3,98 | N/A | STANDARD | 1200 | |
| | 012 | 12 | | | 720 | 0,91 | 2,27 | 0,99 | 2,47 | 6,63 | 0,47 | 2,47 | 2,47 | N/A | STANDARD | 1200 |
| | 018 | 18 | | | 1440 | 0,96 | 2,39 | 1,11 | 2,77 | 13,87 | 0,53 | 2,77 | 2,77 | N/A | STANDARD | 900 |
| | 024 | 24 | | | 1440 | 0,76 | 1,91 | 1,13 | 2,83 | 10,23 | 0,62 | 2,83 | 2,83 | N/A | STANDARD | 900 |
| | 036 | 36 | | | 1440 | 1,08 | 2,69 | 1,47 | 3,67 | 12,73 | 0,58 | 3,67 | 3,67 | N/A | STANDARD | 600 |
| | 048 | 48 | | | 1440 | 1,30 | 3,26 | 1,61 | 4,03 | 13,40 | 0,78 | 4,03 | 4,03 | N/A | STANDARD | 600 |
| | 072 | 72 | | | 1440 | 1,30 | 3,24 | 2,23 | 5,57 | 16,87 | 0,73 | 5,57 | 5,57 | N/A | STANDARD | 400 |
| | 096 | 96 | | | 1440 | 1,70 | 4,25 | 3,00 | 7,50 | 22,37 | 0,64 | 7,50 | 7,50 | N/A | STANDARD | 400 |
| CK500 | 009 | 9 | 500 | 166,7 | 720 | 1,26 | 3,16 | 1,49 | 3,73 | 11,67 | 0,29 | 3,73 | N/A | STANDARD | 1200 | |
| | 012 | 12 | | | 720 | 1,84 | 4,61 | 2,09 | 5,23 | 11,73 | 0,25 | 5,23 | 5,23 | N/A | STANDARD | 1200 |
| | 018 | 18 | | | 1440 | 1,11 | 2,78 | 1,81 | 4,53 | 12,90 | 0,53 | 4,53 | 4,53 | N/A | STANDARD | 900 |
| | 024 | 24 | | | 1440 | 1,25 | 3,13 | 1,92 | 4,80 | 21,93 | 0,53 | 4,80 | 4,80 | N/A | STANDARD | 900 |
| | 036 | 36 | | | 1440 | 1,41 | 3,53 | 2,52 | 6,30 | 19,43 | 0,74 | 6,30 | 6,30 | N/A | STANDARD | 600 |
| | 048 | 48 | | | 1440 | 1,76 | 4,40 | 3,12 | 7,80 | 21,53 | 0,70 | 7,80 | 7,80 | N/A | STANDARD | 600 |
| | 072 | 72 | | | 1440 | 2,36 | 5,89 | 4,19 | 10,47 | 32,17 | 0,58 | 10,47 | 10,47 | N/A | STANDARD | 400 |
| | 096 | 96 | | | 1440 | 3,30 | 8,26 | 5,61 | 14,03 | 55,77 | 0,60 | 14,03 | 14,03 | N/A | STANDARD | 400 |

AC 3-400V/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 thermostiches to protect the motor windings against overheating. Thermostiches are embedded in the motor windings: If those thermostiches 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.

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