

**TITLE: MOTOR DATA. ISOLATING RANGE S2-30 MIN DUTY CYCLE, AC 3-400V/50Hz THREE PHASE**  
**MODELS: CK, CKC**

| 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                  | <b>30</b>                  | 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                | <b>25</b>                  | 8,3                  | 2880              | 0,45               | 1,13                | 0,49                              | 1,22                               | 5,97                    | 0,63                         | 1,22                                 | Standard   | OPTIONAL  |
| 9                  | <b>60</b>                  | 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                | <b>50</b>                  | 16,7                 | 2880              | 0,81               | 2,02                | 1,46                              | 3,64                               | 11,45                   | 0,91                         | 3,64                                 | Standard   | OPTIONAL  |
| 9                  | <b>120</b>                 | 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                | <b>100</b>                 | 33,3                 | 2880              | 1,31               | 3,27                | 2,45                              | 6,13                               | 20,70                   | 0,85                         | 6,13                                 | Standard   | OPTIONAL  |
| 9                  | <b>250</b>                 | 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                | <b>200</b>                 | 66,7                 | 2880              | 1,00               | 2,50                | 3,36                              | 8,40                               | 34,47                   | 0,75                         | 8,40                                 | Standard   | N/A       |
| 9                  | <b>500</b>                 | 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                | <b>400</b>                 | 133,3                | 2880              | 3,05               | 7,63                | 8,11                              | 20,27                              | 73,43                   | 0,82                         | 20,27                                | Large      | N/A       |

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AC 3-400V/50Hz asynchronous motors. Short-time duty S2 - 30 min, based on nominal torque at 40°C ambient temperature. Insulation class H. 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.