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| BRUSHLESS MOTORS | |
| EX310EAK | |
| ELECTRONIC DRIVE | |
| DRIVE 2.5/10 Arms 230 Vac | |

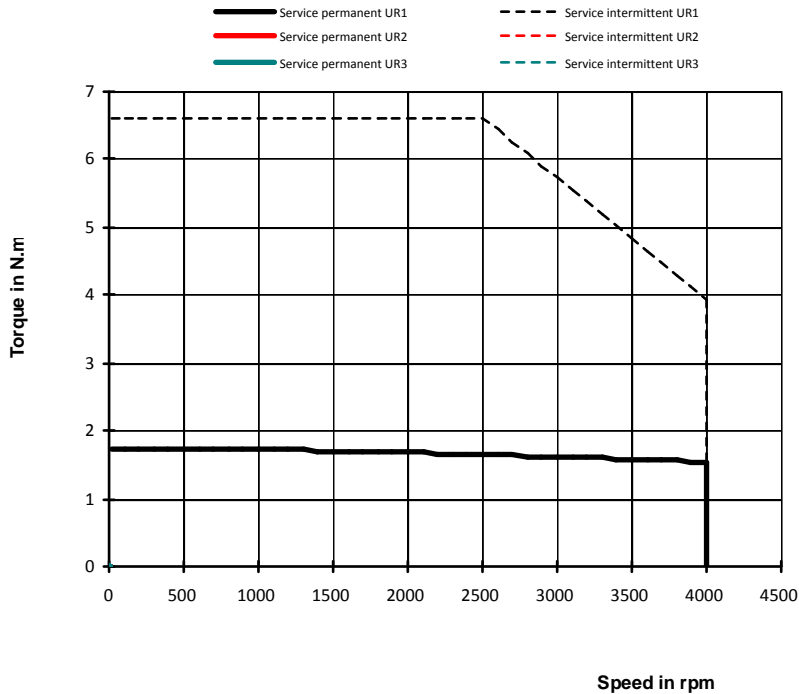
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|----|
| Max voltage of the mains | Ur max | V_{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 15000 | |
| Torque at low speed | M_o | Nm | 1.75 | |
| Permanent current at low speed | I_o | A_{rms} | 2.16 | |
| Peak torque | M_p | Nm | 6.6 | -- |
| Current for the peak torque | I_p | A_{rms} | 9.85 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 50.9 | |
| Torque sensitivity | K_t | Nm/A_{rms} | 0.81 | |
| Winding resistance (25°C)* | R_b | W | 6.58 | |
| Winding inductance* | L | mH | 20.3 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 7.9 | |
| Thermal time constant | Tth | min | 20 | |
| Motor mass | M | kg | 2.4 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4000 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 1.54 | - |
| Rated current | In1 In2 In3 | A_{rms} | 1.96 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 640 | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| Création: 21 oct 2003 | Edition: 03/nov/2010 | EX310EAK | |
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| BRUSHLESS MOTORS | |
| EX310EAP | |
| ELECTRONIC DRIVE | |
| DRIVE 1.5/6 Arms 400 Vac | |

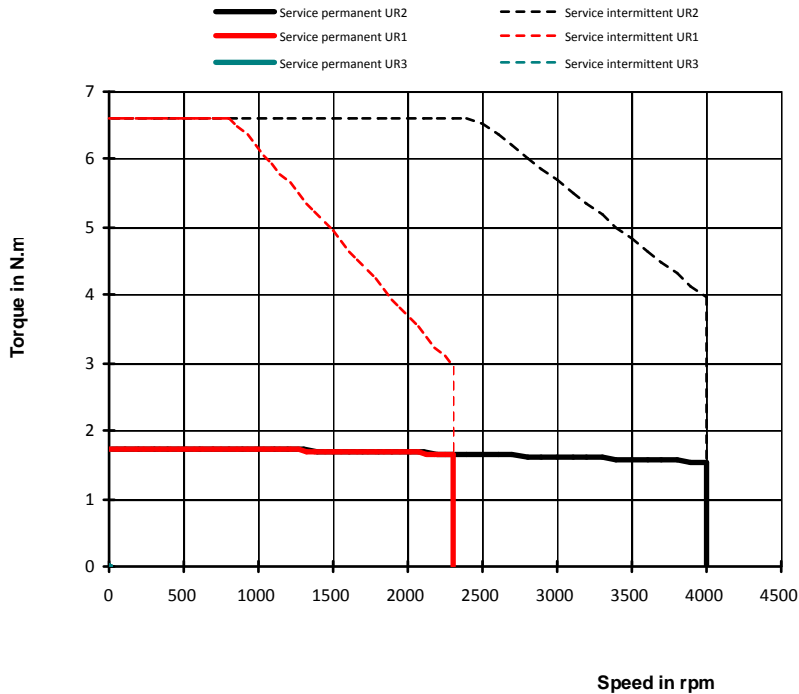
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 15000 | | |
| Torque at low speed | M_o | Nm | 1.75 | | |
| Permanent current at low speed | I_o | A_{rms} | 1.24 | | |
| Peak torque | M_p | Nm | 6.6 | -- | |
| Current for the peak torque | I_p | A_{rms} | 5.64 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 88.9 | | |
| Torque sensitivity | K_t | Nm/A_{rms} | 1.42 | | |
| Winding resistance (25°C)* | R_b | W | 20.7 | | |
| Winding inductance* | L | mH | 62 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 7.9 | | |
| Thermal time constant | Tth | min | 20 | | |
| Motor mass | M | kg | 2.4 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2300 | 4000 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 1.66 | 1.54 | - |
| Rated current | In1 In2 In3 | A_{rms} | 1.19 | 1.12 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 400 | 640 | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX420EAJ | |
| ELECTRONIC DRIVE | |
| DRIVE 5/20 Arms 230 Vac |   |

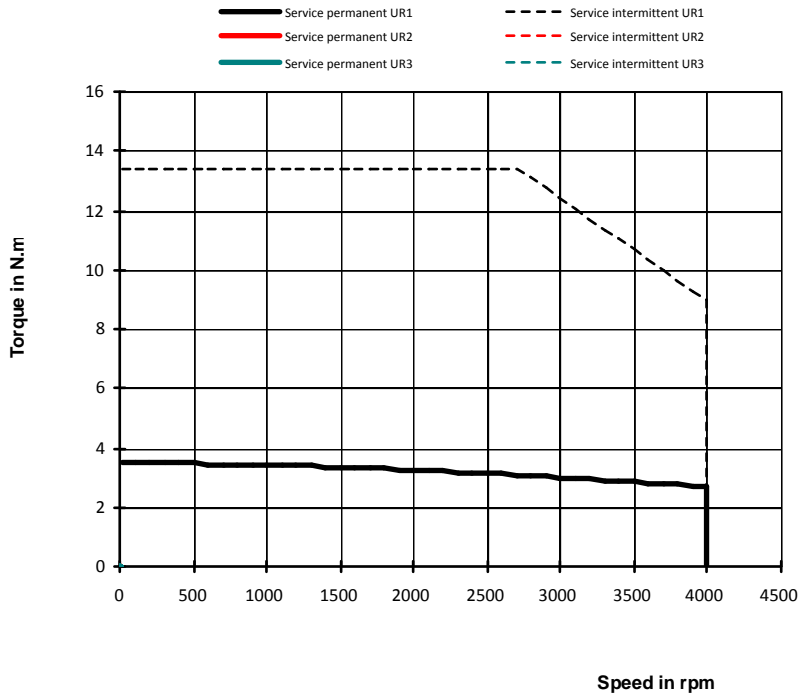
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 12000 | |
| Torque at low speed | M_o | Nm | 3.5 | |
| Permanent current at low speed | I_o | A_{rms} | 4.26 | |
| Peak torque | M_p | Nm | 13.4 | -- |
| Current for the peak torque | I_p | A_{rms} | 19.6 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 51.4 | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 0.821 | |
| Winding resistance (25°C)* | R_b | W | 2.3 | |
| Winding inductance* | L | mH | 11 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 29 | |
| Thermal time constant | Tth | min | 12 | |
| Motor mass | M | kg | 5.8 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4000 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 2.67 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 3.33 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 1120 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| DRIVE 2.5/12 Arms 400 Vac | |

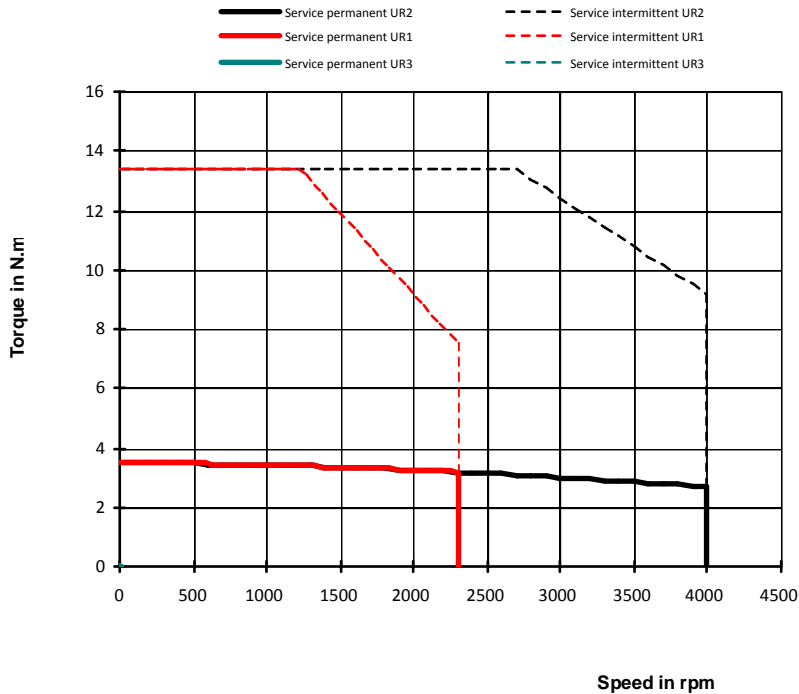
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| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 12000 | | |
| Torque at low speed | M_o | Nm | 3.5 | | |
| Permanent current at low speed | I_o | A_{rms} | 2.46 | | |
| Peak torque | M_p | Nm | 13.4 | -- | |
| Current for the peak torque | I_p | A_{rms} | 11.3 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 89 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.42 | | |
| Winding resistance (25°C)* | R_b | W | 7.2 | | |
| Winding inductance* | L | mH | 33 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 29 | | |
| Thermal time constant | Tth | min | 12 | | |
| Motor mass | M | kg | 5.8 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2300 | 4000 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.18 | 2.67 | - |
| Rated current | In1 In2 In3 | A_{rms} | 2.26 | 1.92 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 770 | 1120 | - |

All data are given in typical values under standard conditions

* Phase to phase

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| EX420EAV | |
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| DRIVE 1.5/6 Arms 400 Vac | |

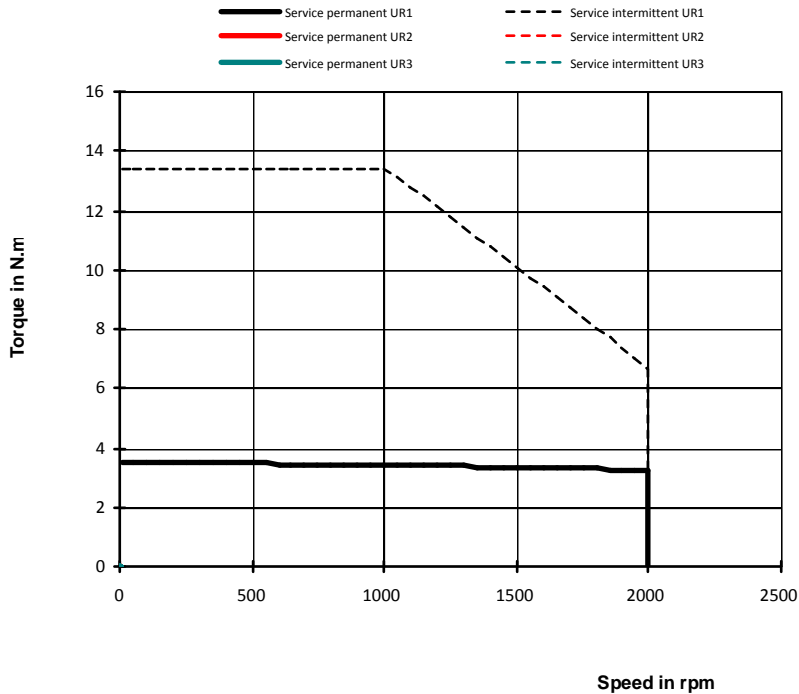
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|----|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 12000 | | |
| Torque at low speed | M_o | Nm | 3.5 | | |
| Permanent current at low speed | I_o | A_{rms} | 1.24 | | |
| Peak torque | M_p | Nm | 13.4 | -- | |
| Current for the peak torque | I_p | A_{rms} | 5.68 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 177 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 2.83 | | |
| Winding resistance (25°C)* | R_b | W | 28.4 | | |
| Winding inductance* | L | mH | 131 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 29 | | |
| Thermal time constant | Tth | min | 12 | | |
| Motor mass | M | kg | 5.8 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 400 | - | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2000 | - | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.25 | - | - |
| Rated current | In1 In2 In3 | A_{rms} | 1.16 | - | - |
| Rated power | Pn1 Pn2 Pn3 | W | 680 | - | - |

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* Phase to phase

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Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| DRIVE 6/20 Arms 230 Vac |   |

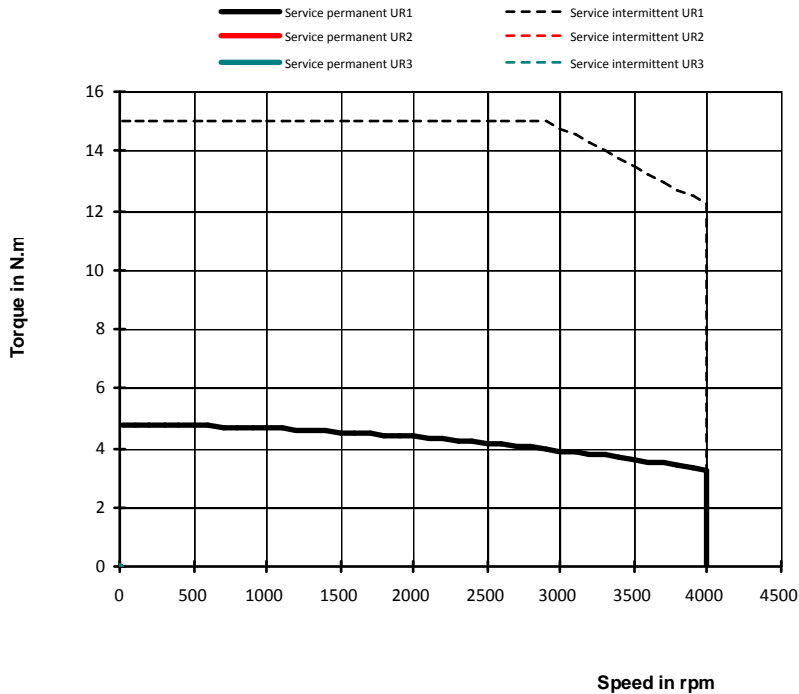
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|----------------|------------------------------------|-------|-----|
| Max voltage of the mains | Ur max | V _{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 12000 | |
| Torque at low speed | M _o | Nm | 4.8 | |
| Permanent current at low speed | I _o | A _{rms} | 5.79 | |
| Peak torque | M _p | Nm | 18.8 | -- |
| Current for the peak torque | I _p | A _{rms} | 26.6 | -- |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 51.8 | |
| Torque sensitivity | Kt | Nm/A _{rms} | 0.828 | |
| Winding resistance (25°C)* | Rb | W | 1.38 | |
| Winding inductance* | L | mH | 6.8 | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 42.6 | |
| Thermal time constant | Tth | min | 18 | |
| Motor mass | M | kg | 7 | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4000 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.28 | - - |
| Rated current | In1 In2 In3 | A _{rms} | 4.07 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 1370 | - - |

All data are given in typical values under standard conditions

* Phase to phase

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Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| EX430EAJ | |
| ELECTRONIC DRIVE | |
| DRIVE 5/20 Arms 230 Vac |   |

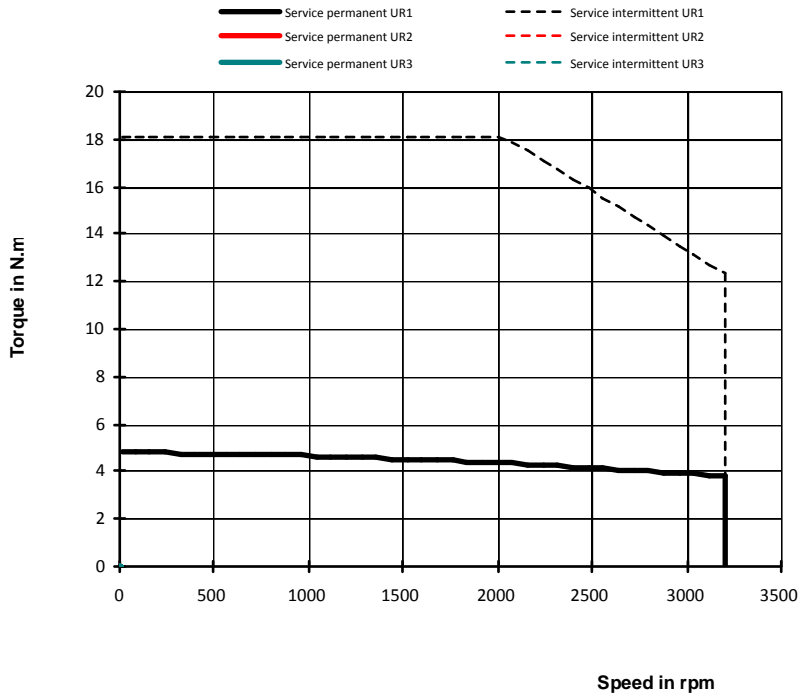
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|----------------|------------------------------------|-------|-----|
| Max voltage of the mains | Ur max | V _{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 12000 | |
| Torque at low speed | M _o | Nm | 4.8 | |
| Permanent current at low speed | I _o | A _{rms} | 4.57 | |
| Peak torque | M _p | Nm | 18.8 | -- |
| Current for the peak torque | I _p | A _{rms} | 21 | -- |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 65.6 | |
| Torque sensitivity | Kt | Nm/A _{rms} | 1.05 | |
| Winding resistance (25°C)* | Rb | W | 2.19 | |
| Winding inductance* | L | mH | 10.9 | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 42.6 | |
| Thermal time constant | Tth | min | 18 | |
| Motor mass | M | kg | 7 | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 3200 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.79 | - - |
| Rated current | In1 In2 In3 | A _{rms} | 3.68 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 1270 | - - |

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| BRUSHLESS MOTORS | |
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| ELECTRONIC DRIVE | |
| DRIVE 3.5/12 Arms 400 Vac | |

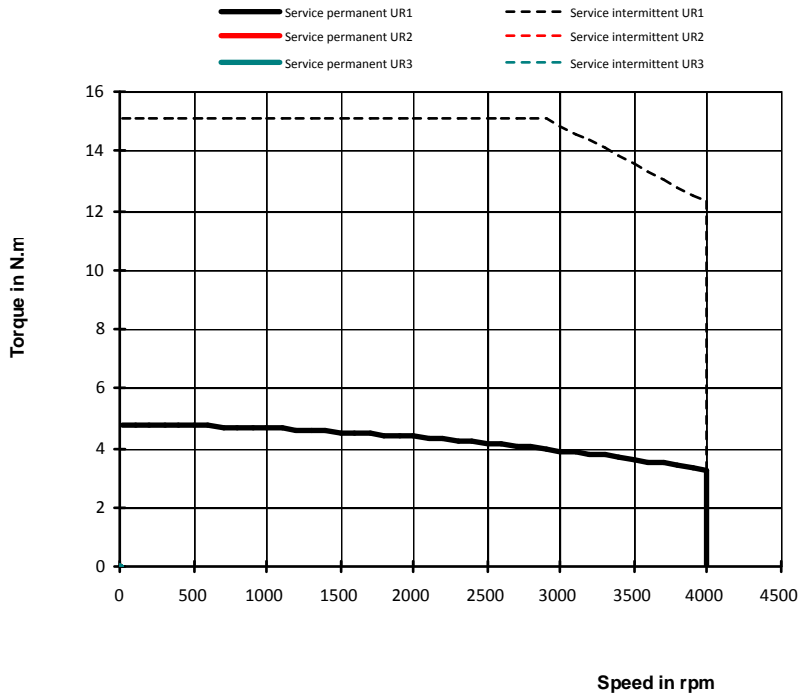
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 400 | |
| Max mechanical speed | Nmax | t/min | 12000 | |
| Torque at low speed | M_o | Nm | 4.8 | |
| Permanent current at low speed | I_o | A_{rms} | 3.3 | |
| Peak torque | M_p | Nm | 18.8 | -- |
| Current for the peak torque | I_p | A_{rms} | 15.1 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 90.9 | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.45 | |
| Winding resistance (25°C)* | R_b | W | 4.22 | |
| Winding inductance* | L | mH | 21 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 42.6 | |
| Thermal time constant | Tth | min | 18 | |
| Motor mass | M | kg | 7 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 400 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4000 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.28 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 2.32 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 1370 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| DRIVE 2.5/12 Arms 400 Vac | |

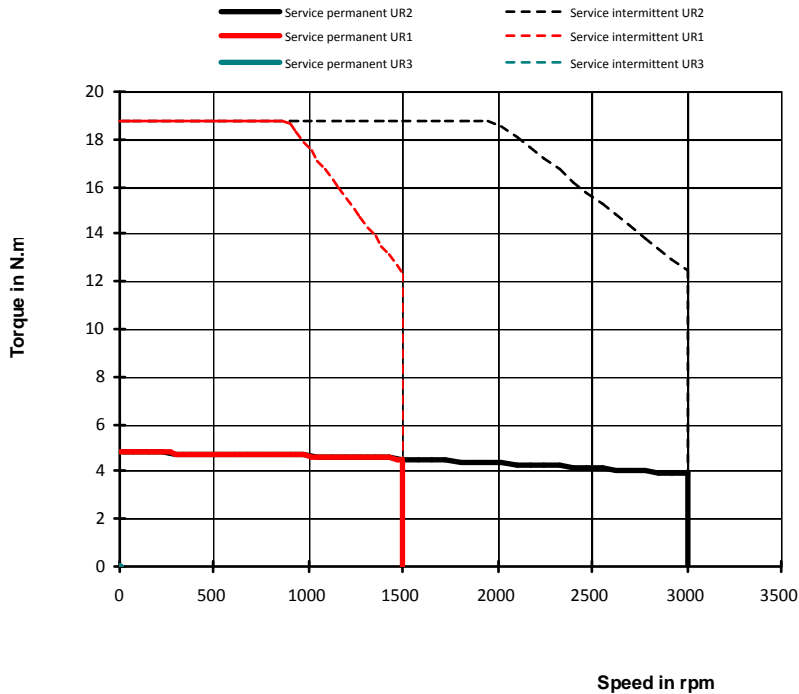
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| | | | | | |
|---------------------------------------|----------------|------------------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V _{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 12000 | | |
| Torque at low speed | M _o | Nm | 4.8 | | |
| Permanent current at low speed | I _o | A _{rms} | 2.46 | | |
| Peak torque | M _p | Nm | 18.8 | -- | |
| Current for the peak torque | I _p | A _{rms} | 11.3 | -- | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 122 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 1.95 | | |
| Winding resistance (25°C)* | Rb | W | 7.26 | | |
| Winding inductance* | L | mH | 37.8 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 42.6 | | |
| Thermal time constant | Tth | min | 18 | | |
| Motor mass | M | kg | 7 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 1500 | 3000 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 4.53 | 3.90 | - |
| Rated current | In1 In2 In3 | A _{rms} | 2.34 | 2.03 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 710 | 1230 | - |

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Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX620EAO | |
| ELECTRONIC DRIVE | |
| DRIVE 6/23 Arms 400 Vac | |

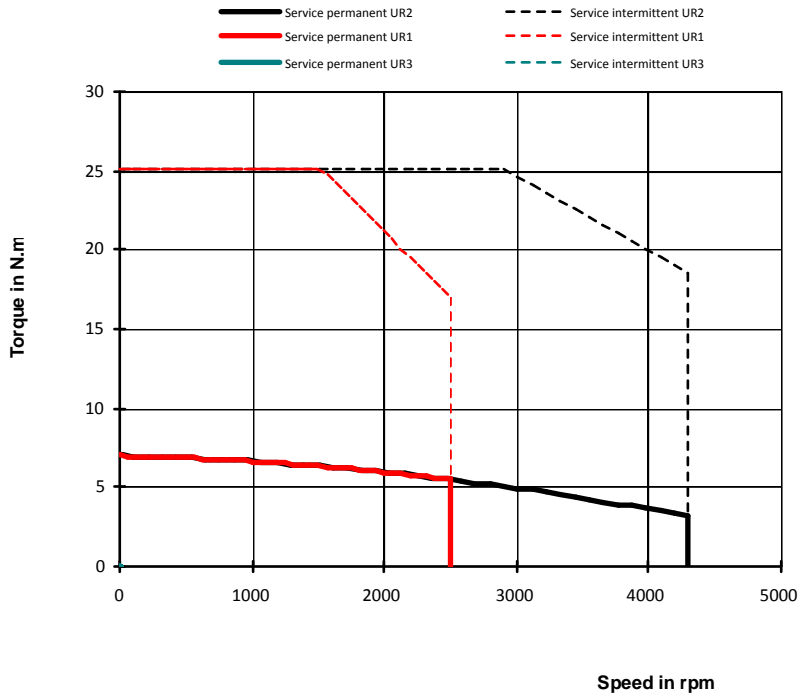
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| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 10000 | | |
| Torque at low speed | M_o | Nm | 7 | | |
| Permanent current at low speed | I_o | A_{rms} | 5.51 | | |
| Peak torque | M_p | Nm | 26.7 | -- | |
| Current for the peak torque | I_p | A_{rms} | 24.8 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 81.7 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.27 | | |
| Winding resistance (25°C)* | R_b | W | 1.63 | | |
| Winding inductance* | L | mH | 14 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 98 | | |
| Thermal time constant | Tth | min | 27 | | |
| Motor mass | M | kg | 11.3 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2500 | 4300 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 5.49 | 3.13 | - |
| Rated current | In1 In2 In3 | A_{rms} | 4.47 | 2.75 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 1440 | 1410 | - |

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* Phase to phase

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Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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 网址：www.runcheng.net

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| BRUSHLESS MOTORS | |
| EX630EAI | |
| ELECTRONIC DRIVE | |
| DRIVE 10/36 Arms 230 Vac | |

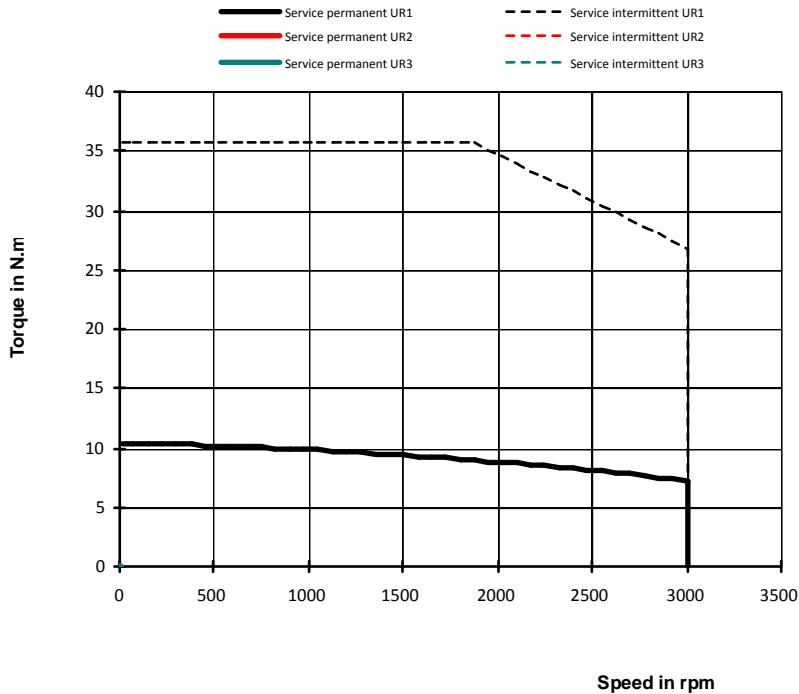
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 10000 | |
| Torque at low speed | M_o | Nm | 10.4 | |
| Permanent current at low speed | I_o | A_{rms} | 9.28 | |
| Peak torque | M_p | Nm | 40.0 | -- |
| Current for the peak torque | I_p | A_{rms} | 42.2 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 68.2 | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.12 | |
| Winding resistance (25°C)* | R_b | W | 0.595 | |
| Winding inductance* | L | mH | 6.06 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 147 | |
| Thermal time constant | Tth | min | 33 | |
| Motor mass | M | kg | 12.5 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 3000 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 7.24 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 6.75 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 2270 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX630EAN | |
| ELECTRONIC DRIVE | |
| DRIVE 7/23 Arms 400 Vac | |

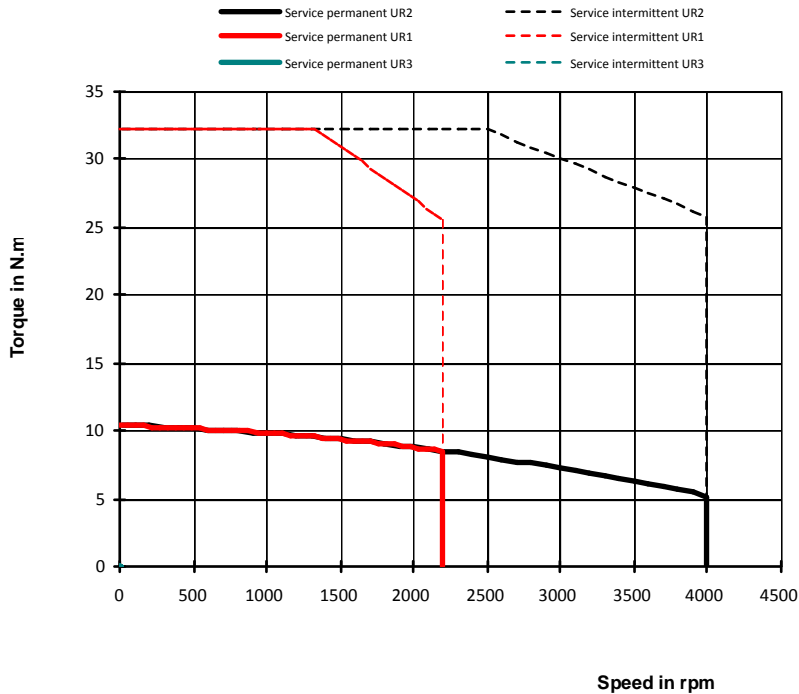
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 10000 | | |
| Torque at low speed | M_o | Nm | 10.4 | | |
| Permanent current at low speed | I_o | A_{rms} | 6.92 | | |
| Peak torque | M_p | Nm | 40.0 | -- | |
| Current for the peak torque | I_p | A_{rms} | 31.4 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 91.6 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.5 | | |
| Winding resistance (25°C)* | R_b | W | 1.12 | | |
| Winding inductance* | L | mH | 10.9 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 147 | | |
| Thermal time constant | Tth | min | 33 | | |
| Motor mass | M | kg | 12.5 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2200 | 4000 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 8.52 | 5.20 | - |
| Rated current | In1 In2 In3 | A_{rms} | 5.81 | 3.76 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 1960 | 2180 | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| EX630EAY | |
| ELECTRONIC DRIVE | |
| DRIVE 6/23 Arms 400 Vac | |

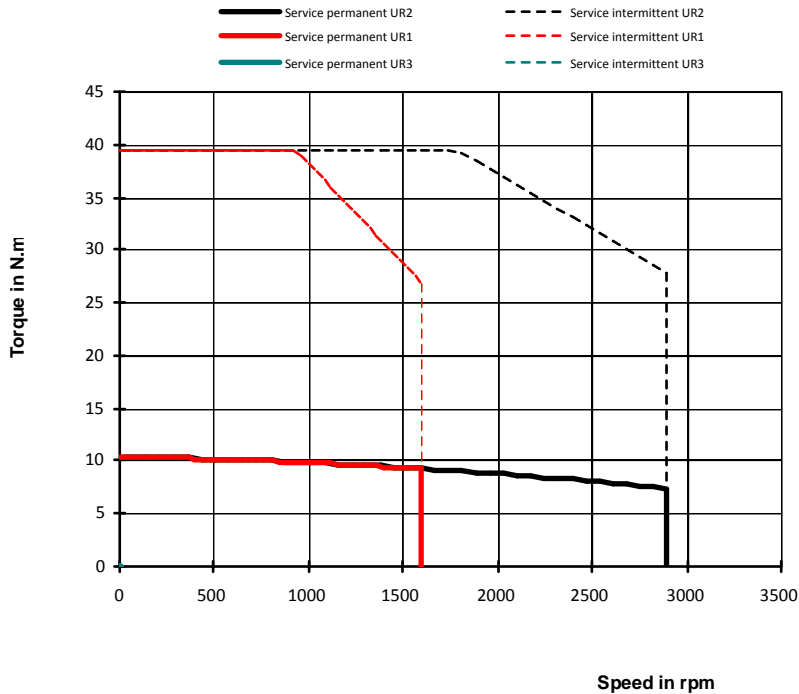
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|----------------|------------------------------------|-------|------|---|
| Max voltage of the mains | Ur max | V _{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 10000 | | |
| Torque at low speed | M _o | Nm | 10.4 | | |
| Permanent current at low speed | I _o | A _{rms} | 5.11 | | |
| Peak torque | M _p | Nm | 40.0 | -- | |
| Current for the peak torque | I _p | A _{rms} | 23.2 | -- | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 124 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 2.03 | | |
| Winding resistance (25°C)* | Rb | W | 1.94 | | |
| Winding inductance* | L | mH | 20 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 147 | | |
| Thermal time constant | Tth | min | 33 | | |
| Motor mass | M | kg | 12.5 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 1600 | 2900 | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 9.27 | 7.42 | - |
| Rated current | In1 In2 In3 | A _{rms} | 4.63 | 3.80 | - |
| Rated power | Pn1 Pn2 Pn3 | W | 1550 | 2250 | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX820EAL | |
| ELECTRONIC DRIVE | |
| DRIVE 15/67 Arms 230 Vac | |

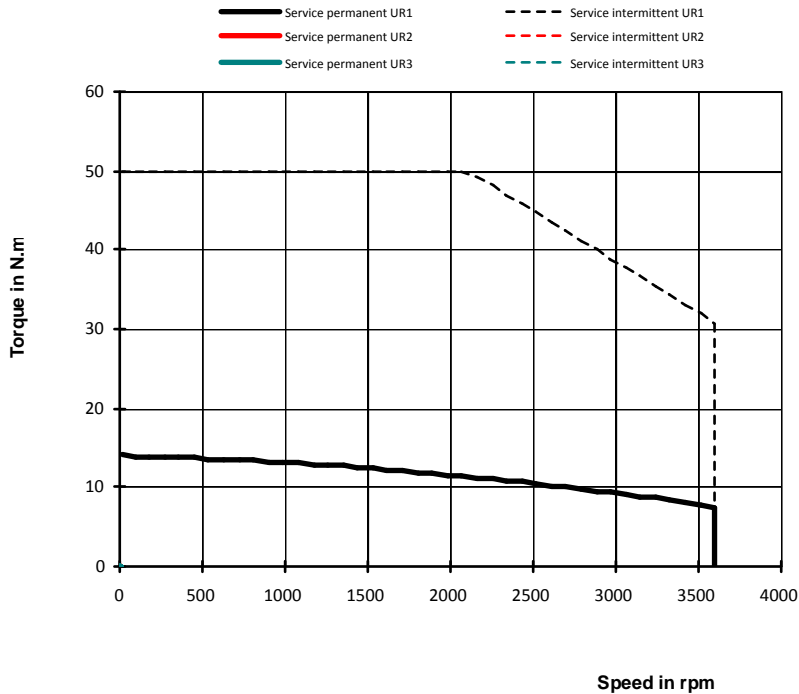
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 8000 | |
| Torque at low speed | M_o | Nm | 14 | |
| Permanent current at low speed | I_o | A_{rms} | 14.9 | |
| Peak torque | M_p | Nm | 50.0 | -- |
| Current for the peak torque | I_p | A_{rms} | 66.9 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 58.1 | |
| Torque sensitivity | K_t | Nm/A_{rms} | 0.943 | |
| Winding resistance (25°C)* | R_b | W | 0.379 | |
| Winding inductance* | L | mH | 3.35 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 320 | |
| Thermal time constant | Tth | min | 34 | |
| Motor mass | M | kg | 24 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 3600 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 7.53 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 8.30 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 2840 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX820EAR | |
| ELECTRONIC DRIVE | |
| DRIVE 10/42 Arms 400 Vac | |

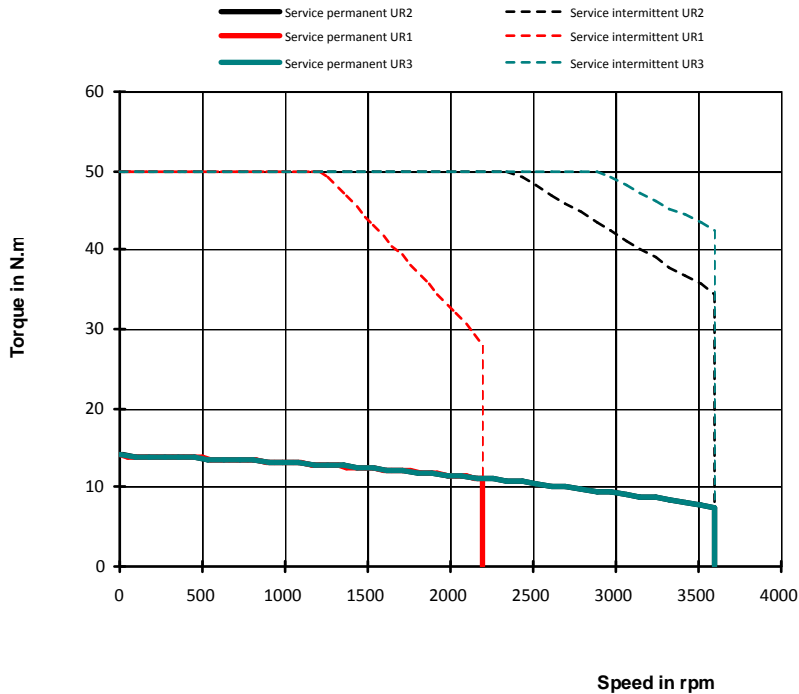
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|------|
| Max voltage of the mains | Ur max | V_{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M_o | Nm | 14 | | |
| Permanent current at low speed | I_o | A_{rms} | 9.28 | | |
| Peak torque | M_p | Nm | 50.0 | -- | |
| Current for the peak torque | I_p | A_{rms} | 41.8 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 93 | | |
| Torque sensitivity | K_t | Nm/A_{rms} | 1.51 | | |
| Winding resistance (25°C)* | R_b | W | 1.01 | | |
| Winding inductance* | L | mH | 8.57 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 320 | | |
| Thermal time constant | Tth | min | 34 | | |
| Motor mass | M | kg | 24 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2200 | 3600 | 3600 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 11.16 | 7.53 | 7.53 |
| Rated current | In1 In2 In3 | A_{rms} | 7.49 | 5.19 | 5.19 |
| Rated power | Pn1 Pn2 Pn3 | W | 2570 | 2840 | 2840 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values




Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
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| ELECTRONIC DRIVE | |
| DRIVE 6/25 Arms 400 Vac |   |

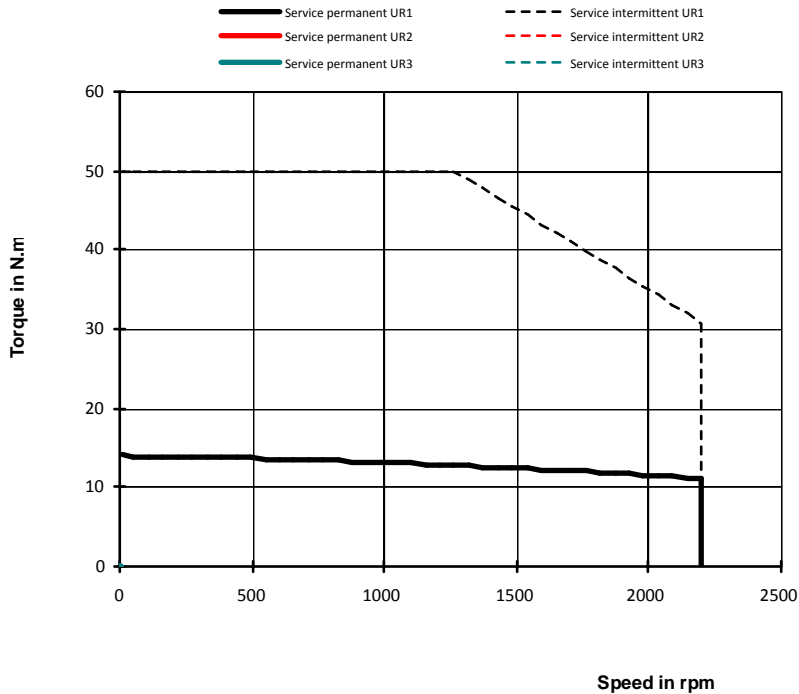
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|----------------|------------------------------------|-------|-----|
| Max voltage of the mains | Ur max | V _{rms} | 400 | |
| Max mechanical speed | Nmax | t/min | 8000 | |
| Torque at low speed | M _o | Nm | 14 | |
| Permanent current at low speed | I _o | A _{rms} | 5.4 | |
| Peak torque | M _p | Nm | 50.0 | -- |
| Current for the peak torque | I _p | A _{rms} | 24.3 | -- |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 160 | |
| Torque sensitivity | Kt | Nm/A _{rms} | 2.59 | |
| Winding resistance (25°C)* | Rb | W | 2.96 | |
| Winding inductance* | L | mH | 25.3 | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 320 | |
| Thermal time constant | Tth | min | 34 | |
| Motor mass | M | kg | 24 | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 400 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2200 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 11.16 | - - |
| Rated current | In1 In2 In3 | A _{rms} | 4.36 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 2570 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX840EAJ | |
| ELECTRONIC DRIVE | |
| DRIVE 16/73 Arms 230 Vac | |

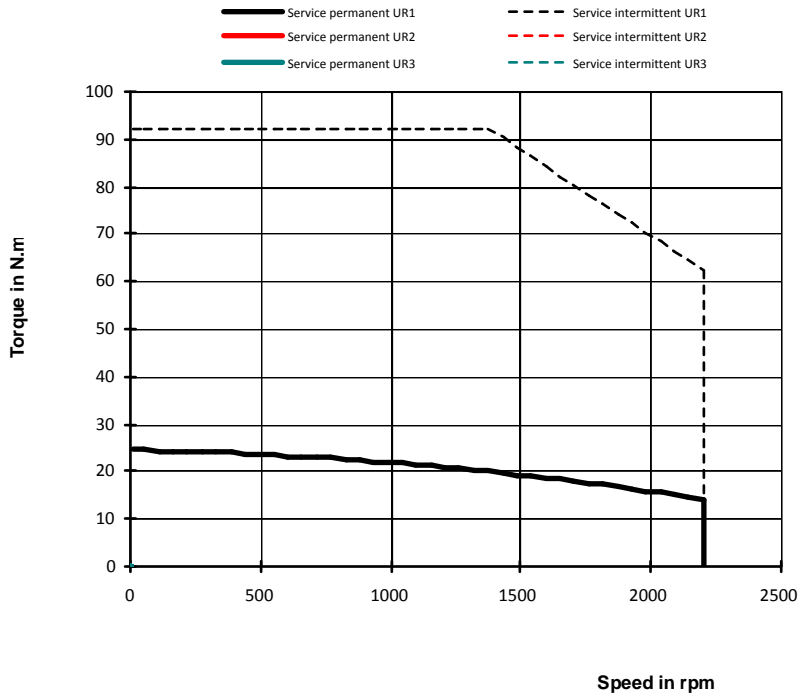
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 230 | |
| Max mechanical speed | Nmax | t/min | 8000 | |
| Torque at low speed | M_o | Nm | 24.5 | |
| Permanent current at low speed | I_o | A_{rms} | 16 | |
| Peak torque | M_p | Nm | 92.0 | -- |
| Current for the peak torque | I_p | A_{rms} | 72.7 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 94.2 | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.53 | |
| Winding resistance (25°C)* | R_b | W | 0.371 | |
| Winding inductance* | L | mH | 4.28 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 620 | |
| Thermal time constant | Tth | min | 52 | |
| Motor mass | M | kg | 32 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2200 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 14.18 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 9.54 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 3270 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| BRUSHLESS MOTORS | |
| EX840EAK | |
| ELECTRONIC DRIVE | |
| DRIVE 15/70 Arms 400 Vac | |

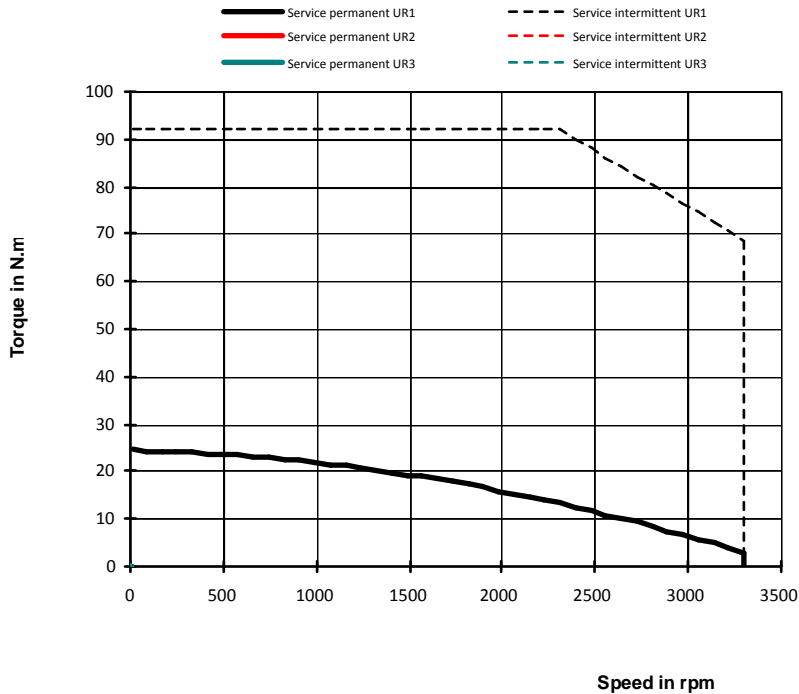
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|----|---|
| Max voltage of the mains | Ur max | V_{rms} | 400 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M_o | Nm | 24.5 | | |
| Permanent current at low speed | I_o | A_{rms} | 14.3 | | |
| Peak torque | M_p | Nm | 92.0 | -- | |
| Current for the peak torque | I_p | A_{rms} | 64.7 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 106 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.72 | | |
| Winding resistance (25°C)* | R_b | W | 0.493 | | |
| Winding inductance* | L | mH | 5.42 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 620 | | |
| Thermal time constant | Tth | min | 52 | | |
| Motor mass | M | kg | 32 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 400 | - | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 3300 | - | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 2.85 | - | - |
| Rated current | In1 In2 In3 | A_{rms} | 2.07 | - | - |
| Rated power | Pn1 Pn2 Pn3 | W | 990 | - | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| EX840EAQ | |
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| DRIVE 10/40 Arms 400 Vac | |

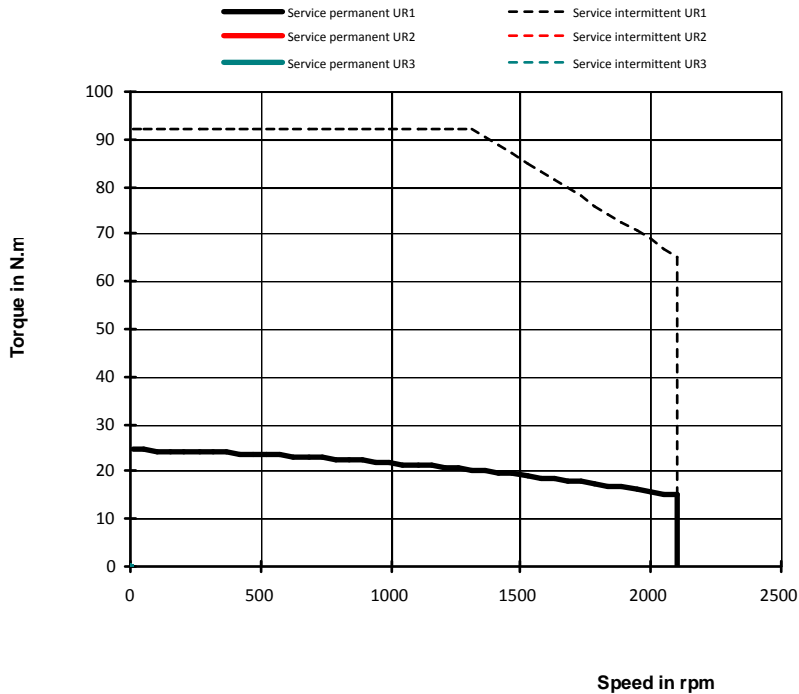
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | |
|---------------------------------------|-------------|------------------------|-------|-----|
| Max voltage of the mains | Ur max | V_{rms} | 400 | |
| Max mechanical speed | Nmax | t/min | 8000 | |
| Torque at low speed | M_o | Nm | 24.5 | |
| Permanent current at low speed | I_o | A_{rms} | 8.55 | |
| Peak torque | M_p | Nm | 92.0 | -- |
| Current for the peak torque | I_p | A_{rms} | 38.8 | -- |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 177 | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 2.87 | |
| Winding resistance (25°C)* | R_b | W | 1.36 | |
| Winding inductance* | L | mH | 15.1 | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 620 | |
| Thermal time constant | Tth | min | 52 | |
| Motor mass | M | kg | 32 | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 400 | - - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2100 | - - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 15.01 | - - |
| Rated current | In1 In2 In3 | A_{rms} | 5.37 | - - |
| Rated power | Pn1 Pn2 Pn3 | W | 3300 | - - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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BRUSHLESS MOTORS

EX860EAD

ELECTRONIC DRIVE

DRIVE 30/135 Arms 230 Vac



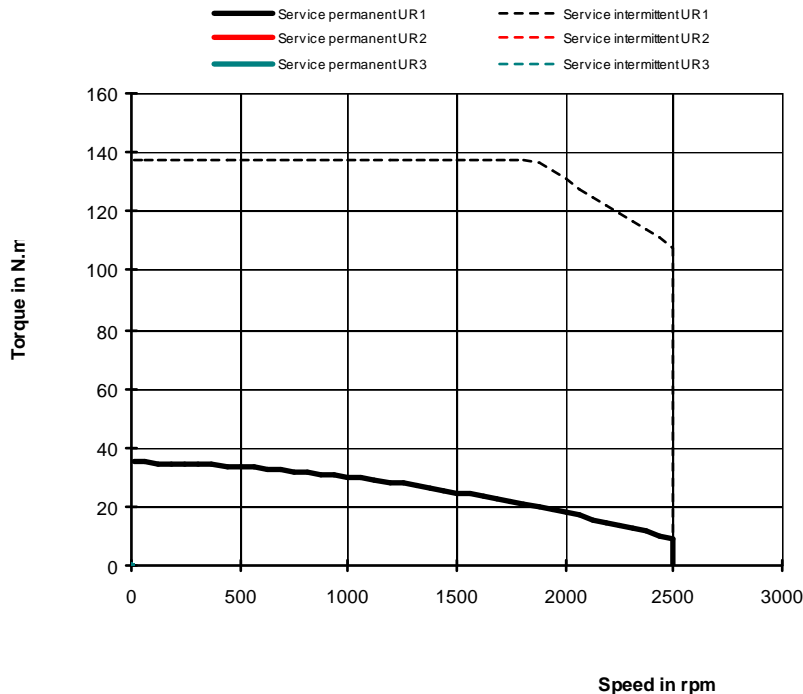
Characteristics are given for an optimal drive of the motor and an adaptive phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|----|---|
| Max voltage of the mains | Ur max | V_{rms} | 230 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M_b | Nm | 35 | | |
| Permanent current at low speed | I_o | A_{rms} | 27.9 | | |
| Peak torque | M_p | Nm | 137.0 | -- | |
| Current for the peak torque | I_p | A_{rms} | 133 | -- | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 78.7 | | |
| Torque sensitivity | K_t | Nm/ A_{rms} | 1.26 | | |
| Winding resistance (25°C)* | R_b | W | 0.156 | | |
| Winding inductance* | L | mH | 2.03 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 920 | | |
| Thermal time constant | T_{th} | min | 60 | | |
| Motor mass | M | kg | 40 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | - | - |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2500 | - | - |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 9.00 | - | - |
| Rated current | In1 In2 In3 | A_{rms} | 7.82 | - | - |
| Rated power | Pn1 Pn2 Pn3 | W | 2360 | - | - |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptive phase advance

FICHE-009

Création: 18 mai 2004

Edition: 03/nov/2010

EX860EAD

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Parker 核心代理商

北京润诚时代科技有限公司

自动化事业部

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|---------------------------------|--|
| BRUSHLESS MOTORS | |
| EX860EAJ | |
| ELECTRONIC DRIVE | |
| DRIVE 16/70 Arms 400 Vac | |

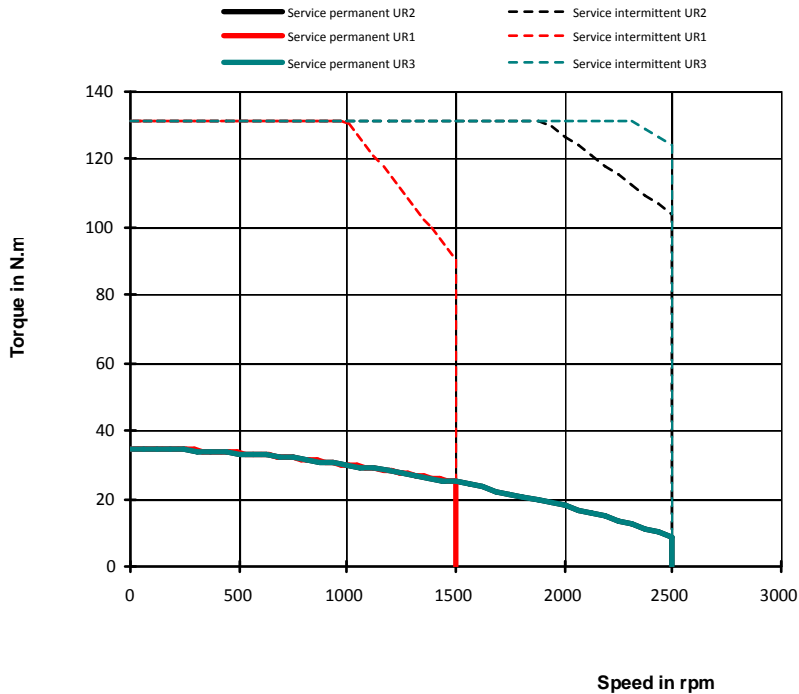
Characteristics are given for an optimal drive of the motor and an adaptative phase advance

| | | | | | |
|---------------------------------------|-------------|------------------------|-------|------|------|
| Max voltage of the mains | Ur max | V_{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M_o | Nm | 35 | | |
| Permanent current at low speed | I_o | A_{rms} | 15.7 | | |
| Peak torque | M_p | Nm | 137.0 | -- | |
| Current for the peak torque | I_p | A_{rms} | 75 | -- | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V_{rms} | 140 | | |
| Torque sensitivity | Kt | Nm/ A_{rms} | 2.23 | | |
| Winding resistance (25°C)* | Rb | W | 0.499 | | |
| Winding inductance* | L | mH | 6.43 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 920 | | |
| Thermal time constant | Tth | min | 60 | | |
| Motor mass | M | kg | 40 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 1500 | 2500 | 2500 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 24.80 | 9.00 | 9.00 |
| Rated current | In1 In2 In3 | A_{rms} | 11.28 | 4.40 | 4.40 |
| Rated power | Pn1 Pn2 Pn3 | W | 3900 | 2360 | 2360 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

FICHE-009

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| Création: 18 mai 2004 | Edition: 03/nov/2010 | EX860EAJ |
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BRUSHLESS MOTORS

EX310UUAU

ELECTRONIC DRIVE

DRIVE 2.5/7 Arms 400 Vac




Characteristics are given for an optimal drive of the motor and an adaptative phase advance

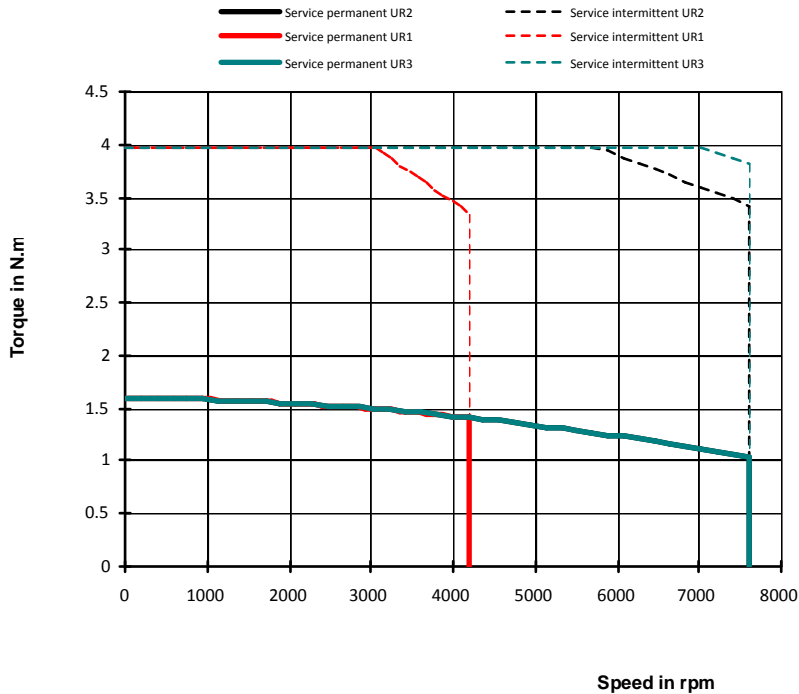
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|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 15000 | | |
| Torque at low speed | M _o | Nm | 1.6 | | |
| Permanent current at low speed | I _o | A _{rms} | 2.46 | | |
| Peak torque | M _p | Nm | 4.0 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 6.29 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 41 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 0.652 | | |
| Winding resistance (25°C)* | Rb | W | 4.29 | | |
| Winding inductance* | L | mH | 13.2 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 7.9 | | |
| Thermal time constant | Tth | min | 20 | | |
| Motor mass | M | kg | 2.4 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4200 | 7600 | 7600 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 1.41 | 1.03 | 1.03 |
| Rated current | In1 In2 In3 | A _{rms} | 2.24 | 1.74 | 1.74 |
| Rated power | Pn1 Pn2 Pn3 | W | 620 | 820 | 820 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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EX310UUAU

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BRUSHLESS MOTORS

EX420UAI

ELECTRONIC DRIVE

DRIVE 4.5/11 Arms 400 Vac

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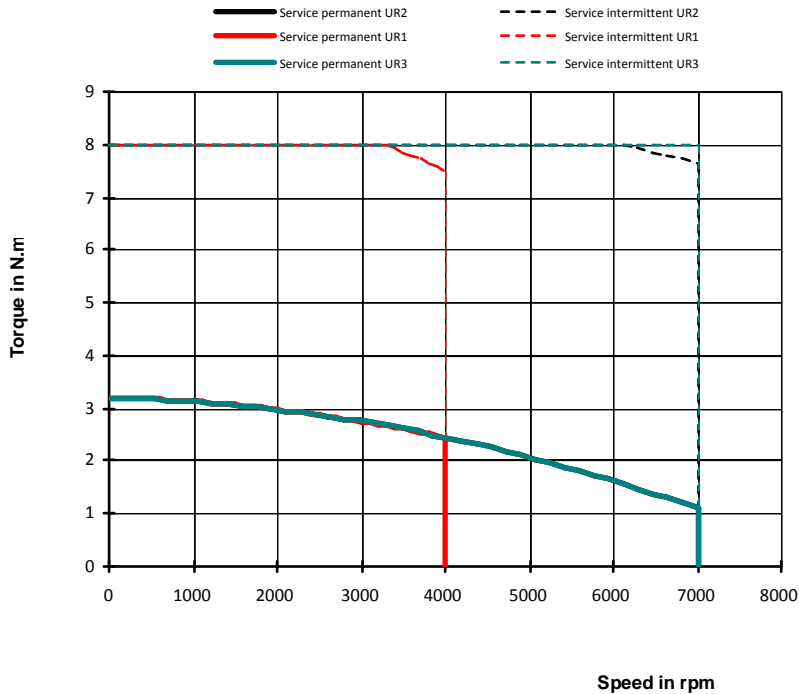
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|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 12000 | | |
| Torque at low speed | M _o | Nm | 3.2 | | |
| Permanent current at low speed | I _o | A _{rms} | 4.15 | | |
| Peak torque | M _p | Nm | 8.0 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 10.8 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 48.3 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 0.772 | | |
| Winding resistance (25°C)* | Rb | W | 1.94 | | |
| Winding inductance* | L | mH | 9.72 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 29 | | |
| Thermal time constant | Tth | min | 12 | | |
| Motor mass | M | kg | 5.8 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 4000 | 7000 | 7000 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 2.45 | 1.10 | 1.10 |
| Rated current | In1 In2 In3 | A _{rms} | 3.25 | 1.58 | 1.58 |
| Rated power | Pn1 Pn2 Pn3 | W | 1030 | 800 | 800 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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BRUSHLESS MOTORS

EX430UAG

ELECTRONIC DRIVE

DRIVE 5/12 Arms 400 Vac




Characteristics are given for an optimal drive of the motor and an adaptative phase advance

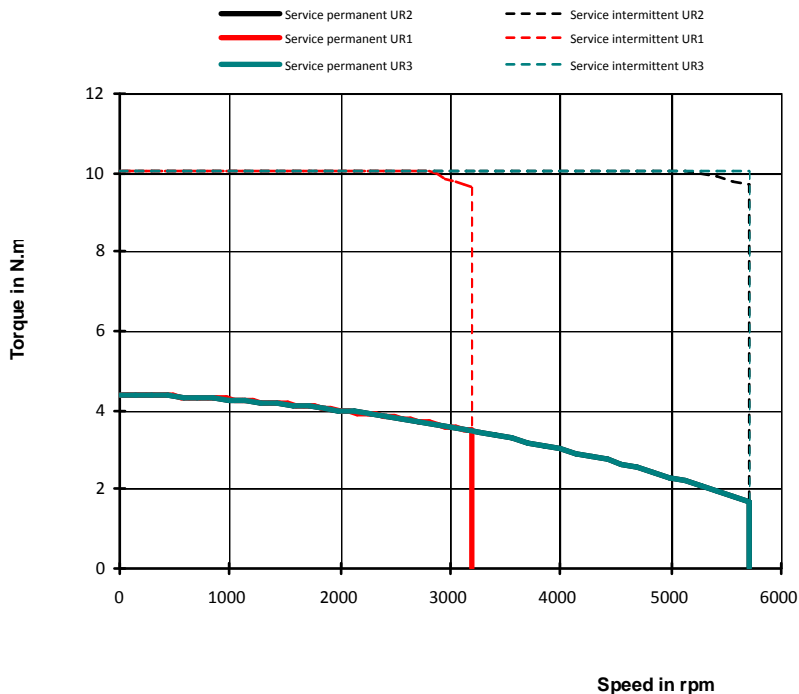
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|---------------------------------------|-------------|------------------------|-------|------|-----------------|
| Max voltage of the mains | Ur max | V_{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 12000 | | |
| Torque at low speed | M_o | Nm | 4.4 | | |
| Permanent current at low speed | I_o | A_{rms} | 4.88 | | |
| Peak torque | M_p | Nm | 11.0 | | à Nn/2, Ip S3 : |
| Current for the peak torque | I_p | A_{rms} | 12.6 | | 1% de 60s |
| Back emf constant at 1000 rpm (25°C)* | Ke | V_{rms} | 56.4 | | |
| Torque sensitivity | Kt | Nm/ A_{rms} | 0.902 | | |
| Winding resistance (25°C)* | Rb | W | 1.5 | | |
| Winding inductance* | L | mH | 8.07 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 42.6 | | |
| Thermal time constant | Tth | min | 18 | | |
| Motor mass | M | kg | 7 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 3200 | 5700 | 5700 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 3.48 | 1.72 | 1.72 |
| Rated current | In1 In2 In3 | A_{rms} | 3.94 | 2.07 | 2.07 |
| Rated power | Pn1 Pn2 Pn3 | W | 1170 | 1020 | 1020 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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EX430UAG

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BRUSHLESS MOTORS

EX620UAM

ELECTRONIC DRIVE

DRIVE 6/17 Arms 400 Vac

Characteristics are given for an optimal drive of the motor and an adaptative phase advance

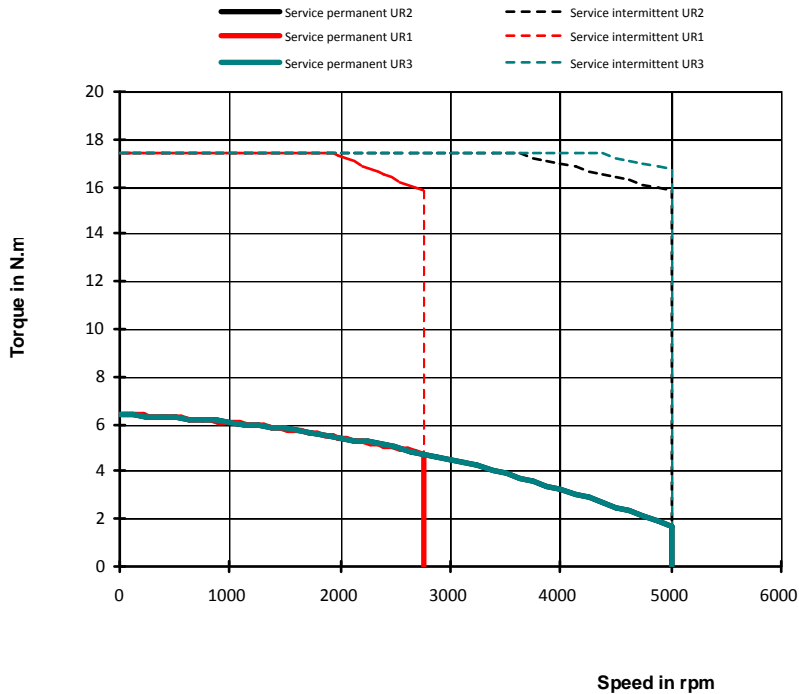
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|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 10000 | | |
| Torque at low speed | M _o | Nm | 6.4 | | |
| Permanent current at low speed | I _o | A _{rms} | 6.02 | | |
| Peak torque | M _p | Nm | 17.4 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 16.2 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 68.8 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 1.06 | | |
| Winding resistance (25°C)* | Rb | W | 1.08 | | |
| Winding inductance* | L | mH | 9.92 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 98 | | |
| Thermal time constant | Tth | min | 27 | | |
| Motor mass | M | kg | 11.3 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2750 | 5000 | 5000 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 4.76 | 1.71 | 1.71 |
| Rated current | In1 In2 In3 | A _{rms} | 4.67 | 1.95 | 1.95 |
| Rated power | Pn1 Pn2 Pn3 | W | 1370 | 890 | 890 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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BRUSHLESS MOTORS

EX630UAK

ELECTRONIC DRIVE

DRIVE 8/20 Arms 400 Vac

Characteristics are given for an optimal drive of the motor and an adaptative phase advance

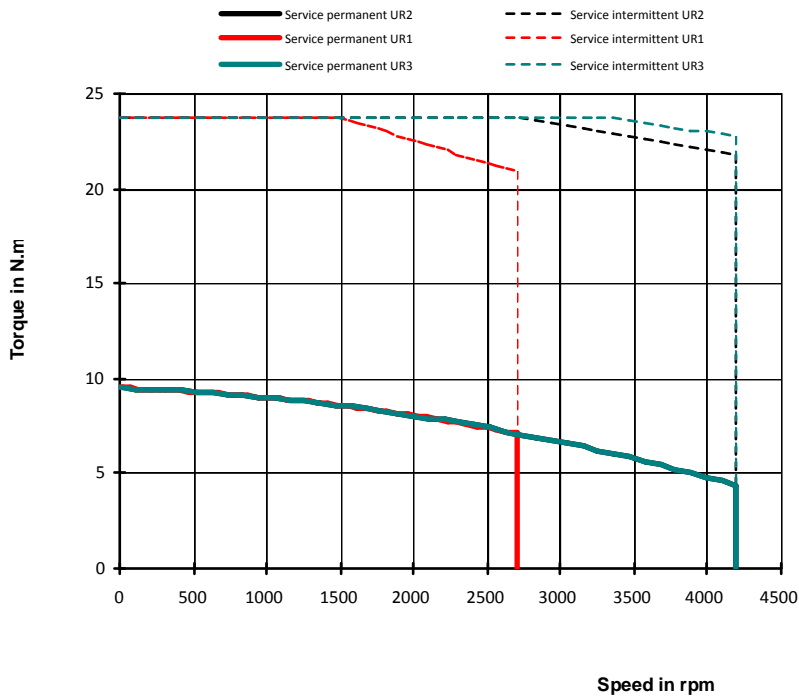
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|---------------------------------------|-------------|------------------------|-------|------|-----------------|
| Max voltage of the mains | Ur max | V_{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 10000 | | |
| Torque at low speed | M_o | Nm | 9.5 | | |
| Permanent current at low speed | I_o | A_{rms} | 7.91 | | |
| Peak torque | M_p | Nm | 23.8 | | à Nn/2, Ip S3 : |
| Current for the peak torque | I_p | A_{rms} | 19.4 | | 1% de 60s |
| Back emf constant at 1000 rpm (25°C)* | Ke | V_{rms} | 73.6 | | |
| Torque sensitivity | Kt | Nm/ A_{rms} | 1.2 | | |
| Winding resistance (25°C)* | Rb | W | 0.674 | | |
| Winding inductance* | L | mH | 7.06 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 147 | | |
| Thermal time constant | Tth | min | 33 | | |
| Motor mass | M | kg | 12.5 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2700 | 4200 | 4200 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 7.12 | 4.38 | 4.38 |
| Rated current | In1 In2 In3 | A_{rms} | 6.16 | 4.02 | 4.02 |
| Rated power | Pn1 Pn2 Pn3 | W | 2010 | 1920 | 1920 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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| Création: 27 août 2207 | Edition: 03/nov/2010 | EX630UAK | .e |
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BRUSHLESS MOTORS

EX820UAQ

ELECTRONIC DRIVE

DRIVE 10/23 Arms 400 Vac




Characteristics are given for an optimal drive of the motor and an adaptative phase advance

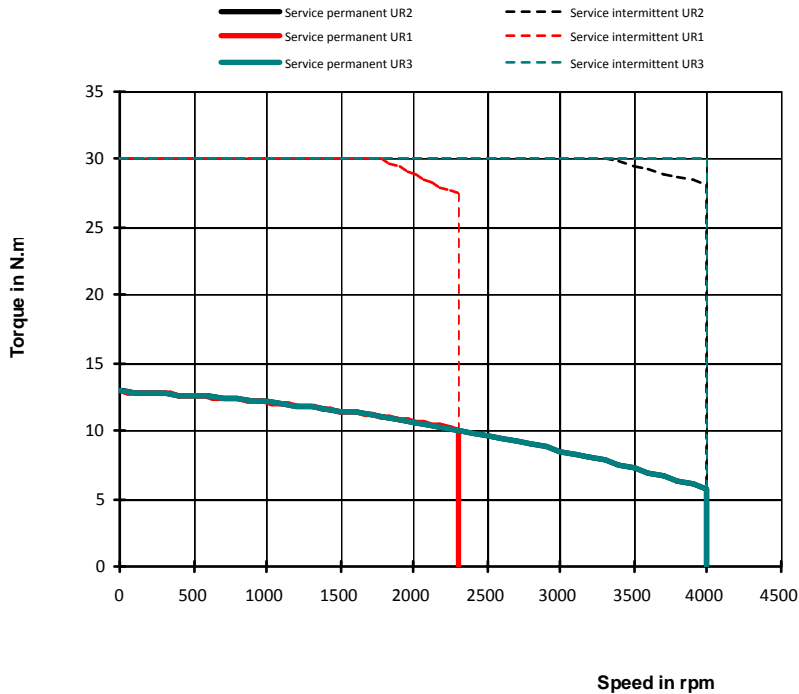
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|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M _o | Nm | 12.9 | | |
| Permanent current at low speed | I _o | A _{rms} | 9.1 | | |
| Peak torque | M _p | Nm | 30.0 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 22.8 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 87.2 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 1.42 | | |
| Winding resistance (25°C)* | Rb | W | 0.889 | | |
| Winding inductance* | L | mH | 7.53 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 320 | | |
| Thermal time constant | Tth | min | 34 | | |
| Motor mass | M | kg | 24 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 2300 | 4000 | 4000 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 10.10 | 5.77 | 5.77 |
| Rated current | In1 In2 In3 | A _{rms} | 7.21 | 4.27 | 4.27 |
| Rated power | Pn1 Pn2 Pn3 | W | 2430 | 2410 | 2410 |

All data are given in typical values under standard conditions

* Phase to phase

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BRUSHLESS MOTORS

EX840UAL

ELECTRONIC DRIVE

DRIVE 13/35 Arms 400 Vac




Characteristics are given for an optimal drive of the motor and an adaptative phase advance

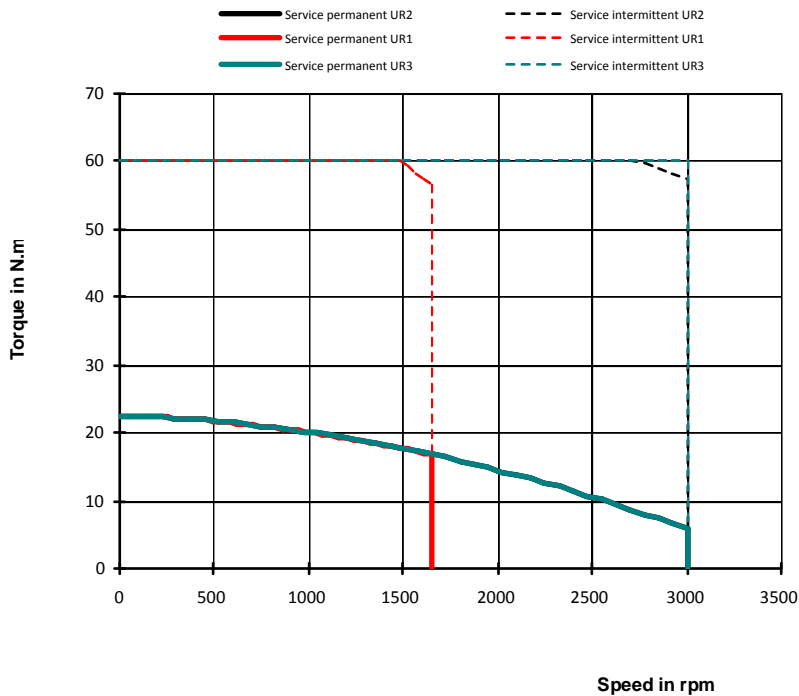
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|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M _o | Nm | 22.6 | | |
| Permanent current at low speed | I _o | A _{rms} | 12 | | |
| Peak torque | M _p | Nm | 60.0 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 34.6 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 118 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 1.89 | | |
| Winding resistance (25°C)* | Rb | W | 0.579 | | |
| Winding inductance* | L | mH | 6.69 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 620 | | |
| Thermal time constant | Tth | min | 52 | | |
| Motor mass | M | kg | 32 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 1650 | 3000 | 3000 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 16.80 | 5.84 | 5.84 |
| Rated current | In1 In2 In3 | A _{rms} | 9.00 | 3.39 | 3.39 |
| Rated power | Pn1 Pn2 Pn3 | W | 2900 | 1830 | 1830 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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BRUSHLESS MOTORS

EX860UAJ

ELECTRONIC DRIVE

DRIVE 15/45 Arms 400 Vac

Characteristics are given for an optimal drive of the motor and an adaptative phase advance

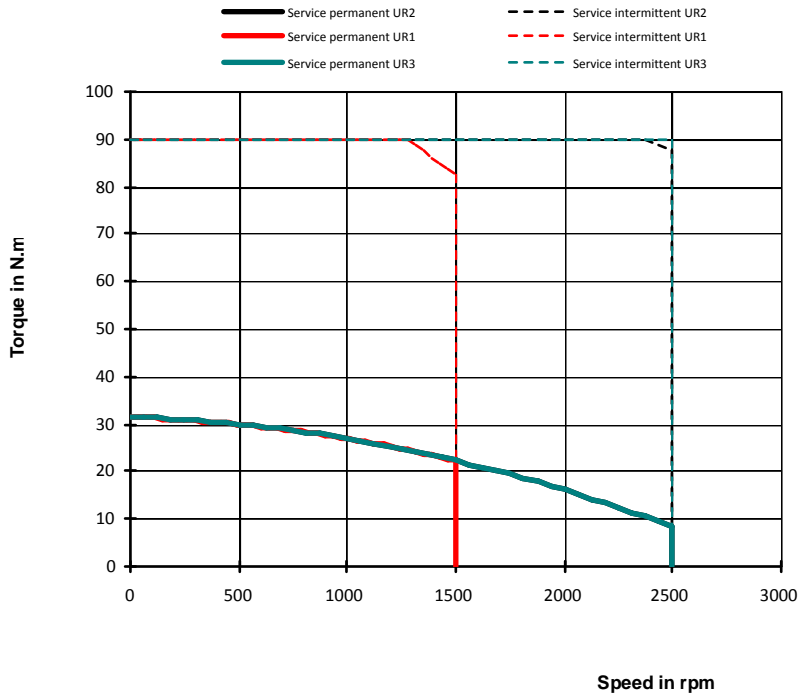
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| | | | | | |
|---------------------------------------|----------------|------------------------------------|-------|-----------------|------|
| Max voltage of the mains | Ur max | V _{rms} | 480 | | |
| Max mechanical speed | Nmax | t/min | 8000 | | |
| Torque at low speed | M _o | Nm | 31.4 | | |
| Permanent current at low speed | I _o | A _{rms} | 13.9 | | |
| Peak torque | M _p | Nm | 90.0 | à Nn/2, Ip S3 : | |
| Current for the peak torque | I _p | A _{rms} | 43.5 | 1% de 60s | |
| Back emf constant at 1000 rpm (25°C)* | Ke | V _{rms} | 140 | | |
| Torque sensitivity | Kt | Nm/A _{rms} | 2.26 | | |
| Winding resistance (25°C)* | Rb | W | 0.499 | | |
| Winding inductance* | L | mH | 6.43 | | |
| Rotor inertia | J | kgm ² x10 ⁻⁵ | 920 | | |
| Thermal time constant | Tth | min | 60 | | |
| Motor mass | M | kg | 40 | | |
| Voltage of the mains | UR1 UR2 UR3 | V _{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | t/min | 1500 | 2500 | 2500 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 22.30 | 8.31 | 8.31 |
| Rated current | In1 In2 In3 | A _{rms} | 10.01 | 4.01 | 4.01 |
| Rated power | Pn1 Pn2 Pn3 | W | 3500 | 2180 | 2180 |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor and an adaptative phase advance

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