

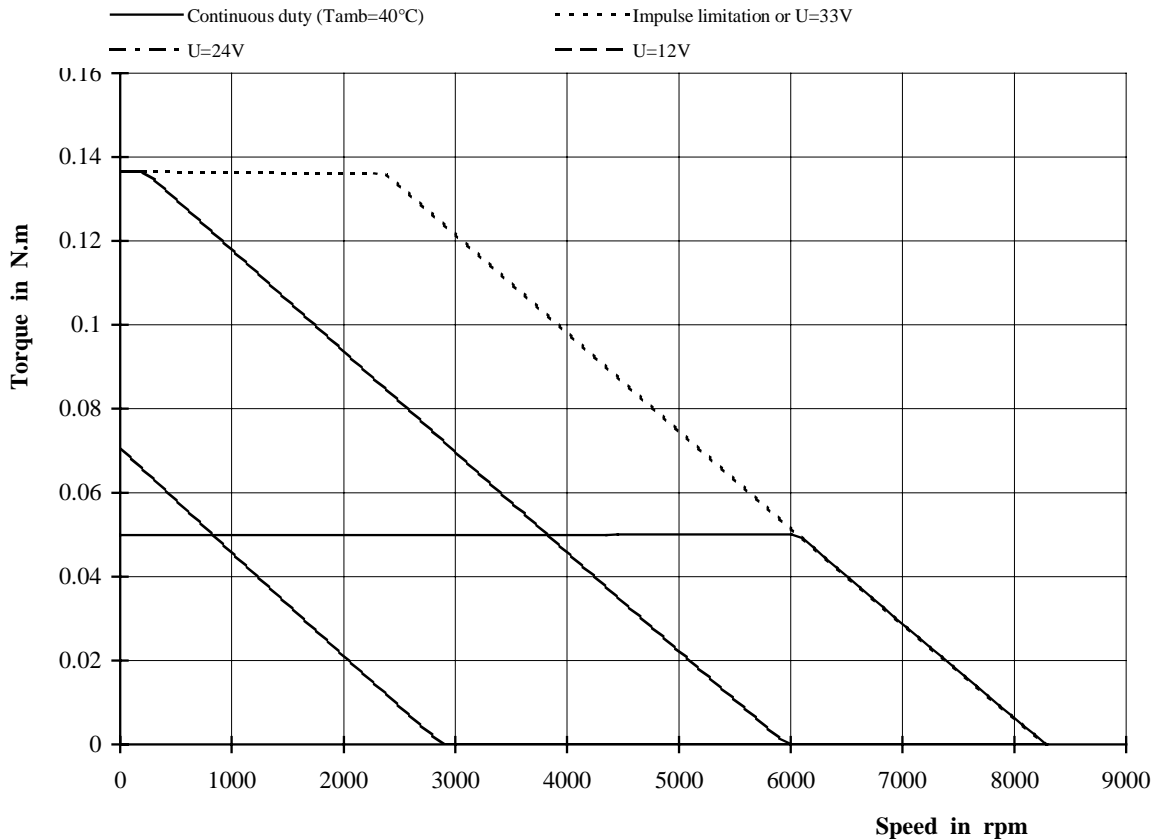
DC-SERVOMOTOR
RS110M

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|-----------|-------------------|-----------|
| Low speed torque | 0.05 | N.m | M_o |
| Permanent current at low speed | 1.5 | A | I_o |
| Supply voltage with loaded motor | 20.7 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 33 | V | U_{max} |
| Maximum speed | 8300 | rpm | N_{max} |
| Peak current | 4 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 3.85 | V | K_e |
| Torque constant | 0.037 | N.m/A | K_t |
| Static friction torque | 0.5 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.015 | N.cm | K_d |
| Winding resistance(25°C) | 4.5 | Ω | R_b |
| Winding inductance | 1.6 | mH | L |
| Rotor inertia | 0.0000024 | kg.m ² | J |
| Thermal time constant | 4.2 | min | T_{th} |
| Motor mass | 0.29 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

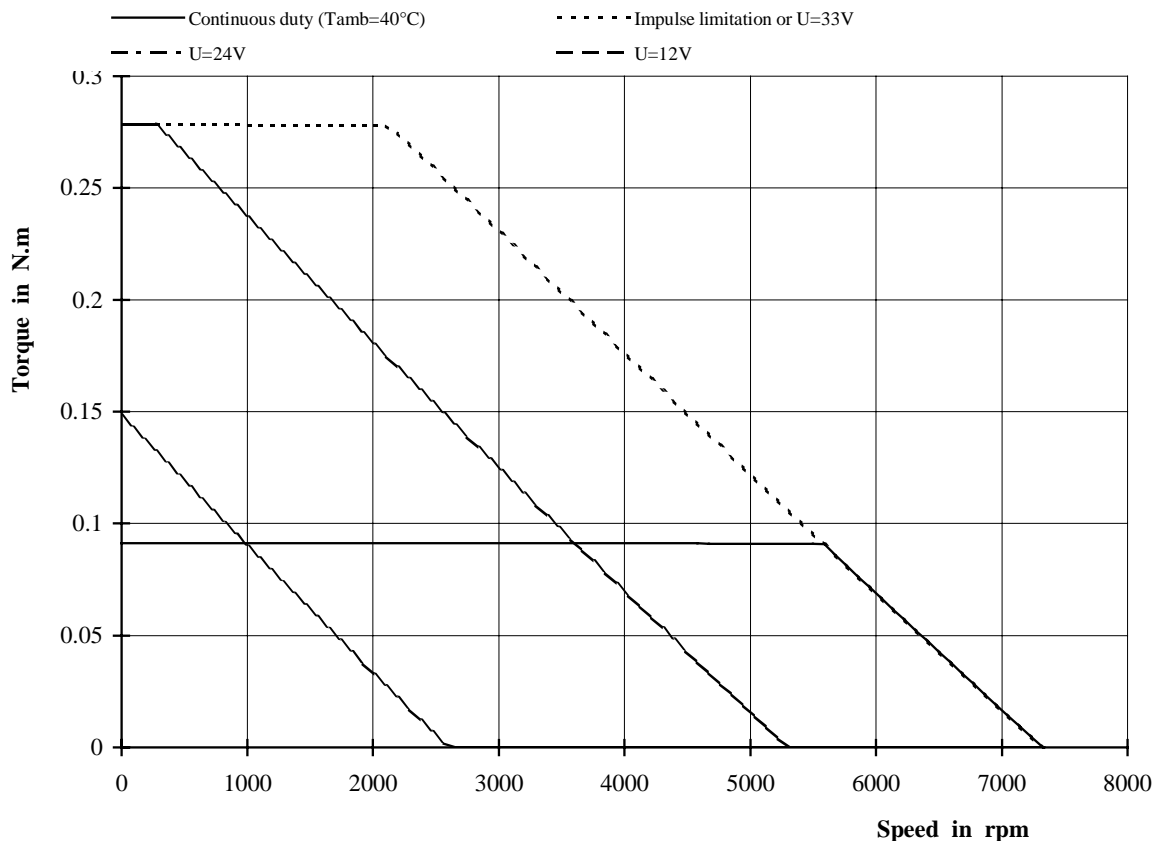
DC-SERVOMOTOR
RS120G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|------------------|-------------------|-------------|
| Low speed torque | 0.092 | N.m | <i>Mo</i> |
| Permanent current at low speed | 2.3 | A | <i>Io</i> |
| Supply voltage with loaded motor | 21 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 33 | V | <i>Umax</i> |
| Maximum speed | 7300 | rpm | <i>Nmax</i> |
| Peak current | 7 | A | <i>Imax</i> |
| Back emf constant at 1000 rpm (25°C)* | 4.4 | V | <i>Ke</i> |
| Torque constant | 0.042 | N.m/A | <i>Kt</i> |
| Static friction torque | 0.6 | N.cm | <i>Tf</i> |
| Viscous damping for 1000 rpm | 0.024 | N.cm | <i>Kd</i> |
| Winding resistance(25°C) | 2.3 | Ω | <i>Rb</i> |
| Winding inductance | 1.1 | mH | <i>L</i> |
| Rotor inertia | 0.0000041 | kg.m ² | <i>J</i> |
| Thermal time constant | 5.2 | min | <i>Tth</i> |
| Motor mass | 0.39 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

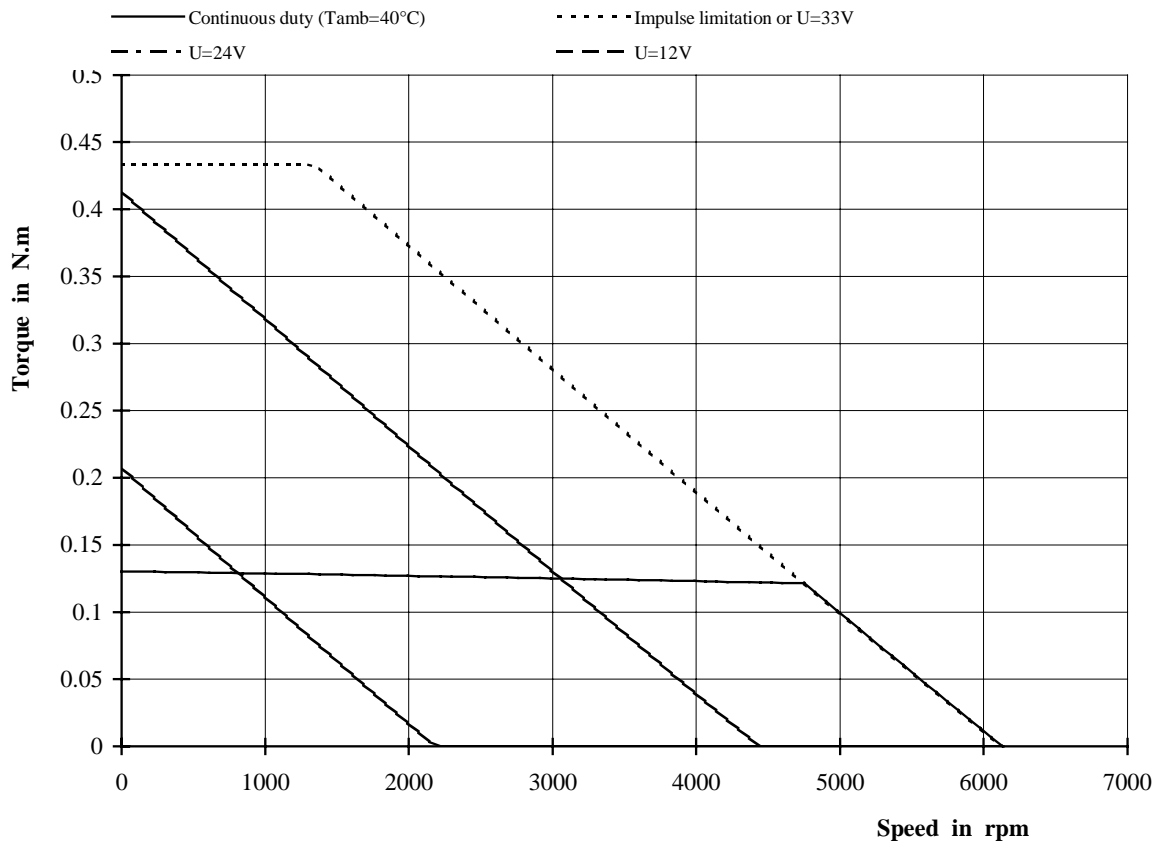
DC-S ERVOMOTOR
RS130E

PARVEX

8 avenue du Lac
 BP249
 F-21007 DIJON Cedex

| | | | |
|---------------------------------------|------------------|-------------------|------------------------|
| Low speed torque | 0.13 | N.m | <i>M₀</i> |
| Permanent current at low speed | 2.7 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 24 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 33 | V | <i>U_{max}</i> |
| Maximum speed | 6100 | rpm | <i>N_{max}</i> |
| Peak current | 9 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 5.3 | V | <i>K_e</i> |
| Torque constant | 0.051 | N.m/A | <i>K_t</i> |
| Static friction torque | 0.7 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.033 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 1.93 | Ω | <i>R_b</i> |
| Winding inductance | 1 | mH | <i>L</i> |
| Rotor inertia | 0.0000058 | kg.m ² | <i>J</i> |
| Thermal time constant | 6 | min | <i>T_{th}</i> |
| Motor mass | 0.49 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

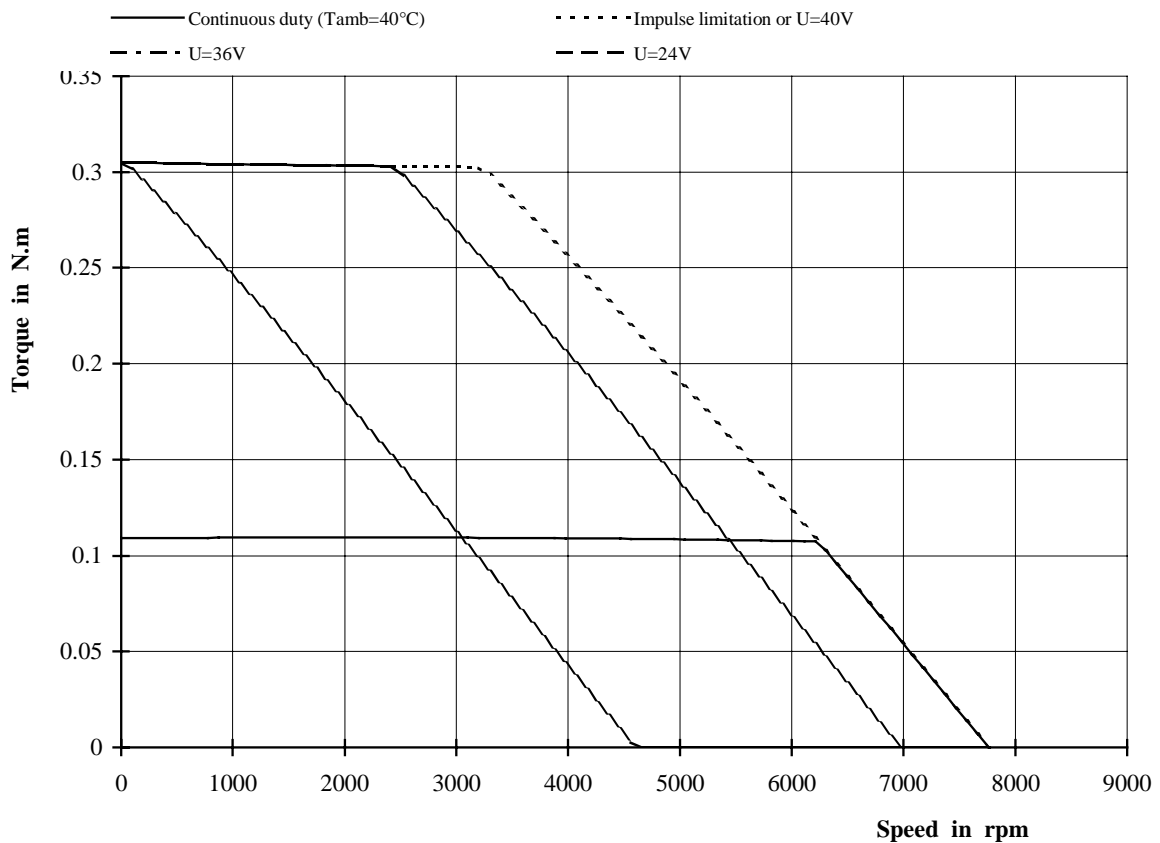
DC-SERVOMOTOR
RS210L

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|-----------------|-------------------|-------------|
| Low speed torque | 0.11 | N.m | <i>Mo</i> |
| Permanent current at low speed | 2.5 | A | <i>Io</i> |
| Supply voltage with loaded motor | 24 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 40 | V | <i>Umax</i> |
| Maximum speed | 7800 | rpm | <i>Nmax</i> |
| Peak current | 7 | A | <i>Imax</i> |
| Back emf constant at 1000 rpm (25°C)* | 5 | V | <i>Ke</i> |
| Torque constant | 0.048 | N.m/A | <i>Kt</i> |
| Static friction torque | 1.05 | N.cm | <i>Tf</i> |
| Viscous damping for 1000 rpm | 0.08 | N.cm | <i>Kd</i> |
| Winding resistance(25°C) | 2.33 | Ω | <i>Rb</i> |
| Winding inductance | 1.1 | mH | <i>L</i> |
| Rotor inertia | 0.000013 | kg.m ² | <i>J</i> |
| Thermal time constant | 5 | min | <i>Tth</i> |
| Motor mass | 0.53 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

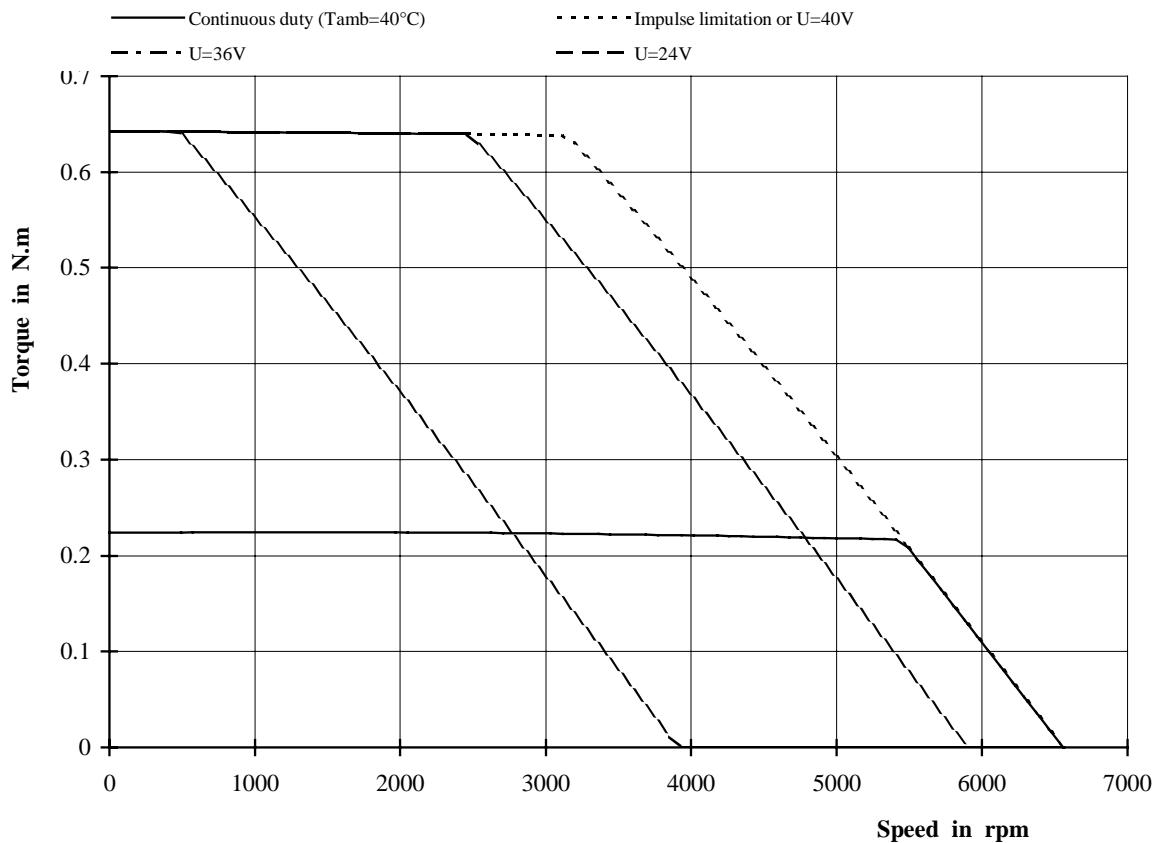
DC-S ERVOMOTOR
RS220F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|------------------|-------------------|-----------|
| Low speed torque | 0.225 | N.m | M_0 |
| Permanent current at low speed | 4.1 | A | I_0 |
| Supply voltage with loaded motor | 25.4 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 40 | V | U_{max} |
| Maximum speed | 6600 | rpm | N_{max} |
| Peak current | 12 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 6 | V | K_e |
| Torque constant | 0.057 | N.m/A | K_t |
| Static friction torque | 1.2 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.14 | N.cm | K_d |
| Winding resistance(25°C) | 1.12 | Ω | R_b |
| Winding inductance | 0.65 | mH | L |
| Rotor inertia | 0.0000195 | kg.m ² | J |
| Thermal time constant | 6.9 | min | T_{th} |
| Motor mass | 0.7 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

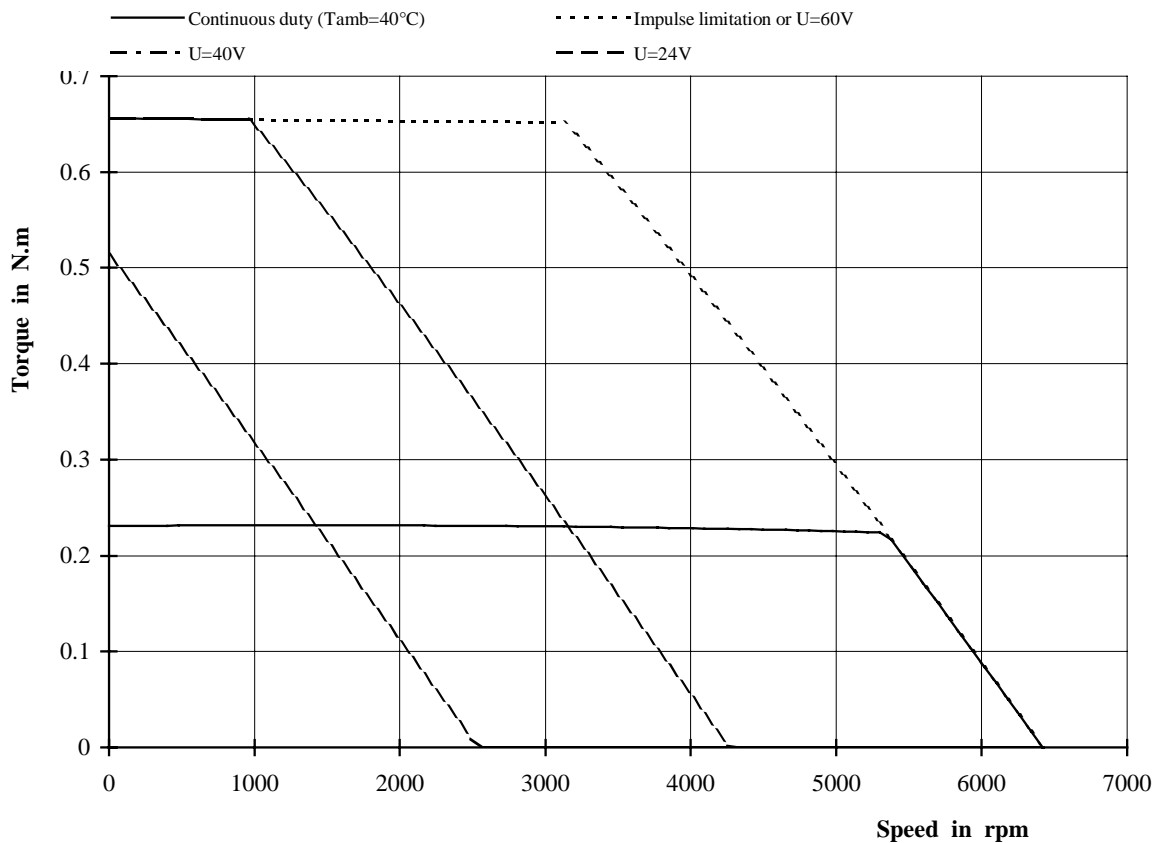
DC-SERVOMOTOR
RS220K

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------|-------------------|-----------|
| Low speed torque | 0.232 | N.m | M_o |
| Permanent current at low speed | 2.8 | A | I_o |
| Supply voltage with loaded motor | 39 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 60 | V | U_{max} |
| Maximum speed | 6400 | rpm | N_{max} |
| Peak current | 8 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 9.2 | V | K_e |
| Torque constant | 0.088 | N.m/A | K_t |
| Static friction torque | 1.2 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.14 | N.cm | K_d |
| Winding resistance(25°C) | 2.7 | Ω | R_b |
| Winding inductance | 1.53 | mH | L |
| Rotor inertia | 0.000195 | kg.m ² | J |
| Thermal time constant | 6.9 | min | T_{th} |
| Motor mass | 0.7 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

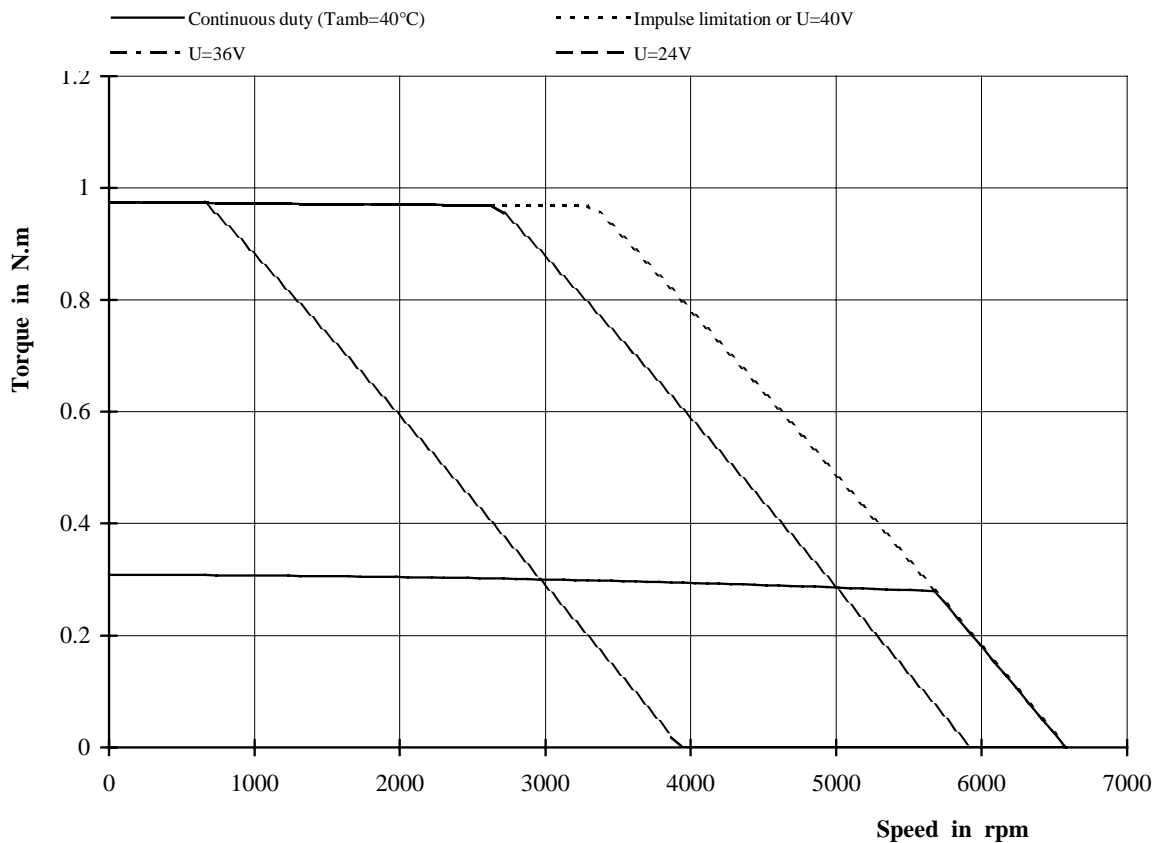
DC-SERVOMOTOR
RS230C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------|-------------------|-----------|
| Low speed torque | 0.31 | N.m | M_o |
| Permanent current at low speed | 5.6 | A | I_o |
| Supply voltage with loaded motor | 24 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 40 | V | U_{max} |
| Maximum speed | 6600 | rpm | N_{max} |
| Peak current | 18 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 6 | V | K_e |
| Torque constant | 0.057 | N.m/A | K_t |
| Static friction torque | 1.35 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.2 | N.cm | K_d |
| Winding resistance(25°C) | 0.67 | Ω | R_b |
| Winding inductance | 0.42 | mH | L |
| Rotor inertia | 0.000026 | kg.m ² | J |
| Thermal time constant | 7.5 | min | T_{th} |
| Motor mass | 0.87 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

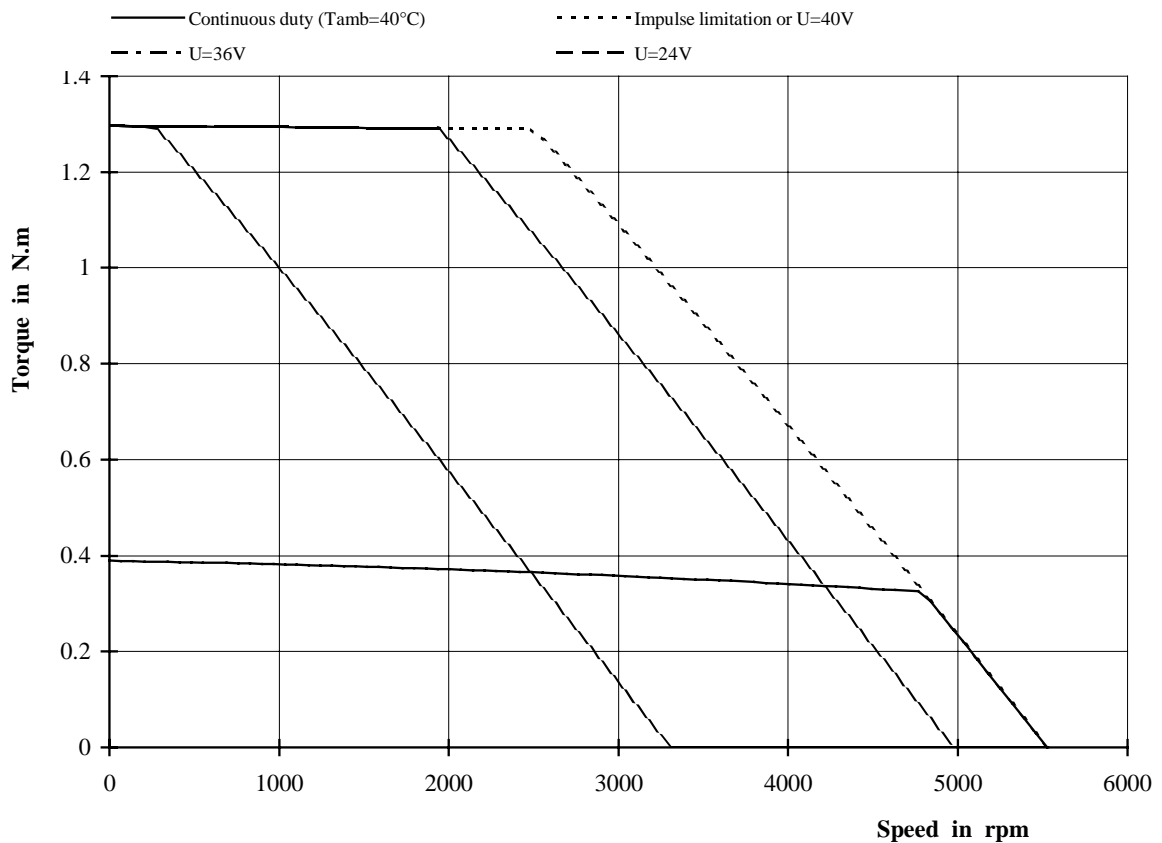
DC-SERVOMOTOR
RS240B

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|------------------|-------------------|------------------------|
| Low speed torque | 0.39 | N.m | <i>M₀</i> |
| Permanent current at low speed | 6 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 28 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 40 | V | <i>U_{max}</i> |
| Maximum speed | 5500 | rpm | <i>N_{max}</i> |
| Peak current | 20 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 7.2 | V | <i>K_e</i> |
| Torque constant | 0.068 | N.m/A | <i>K_t</i> |
| Static friction torque | 1.5 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.26 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.68 | Ω | <i>R_b</i> |
| Winding inductance | 0.45 | mH | <i>L</i> |
| Rotor inertia | 0.0000325 | kg.m ² | <i>J</i> |
| Thermal time constant | 7.5 | min | <i>T_{th}</i> |
| Motor mass | 1.04 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

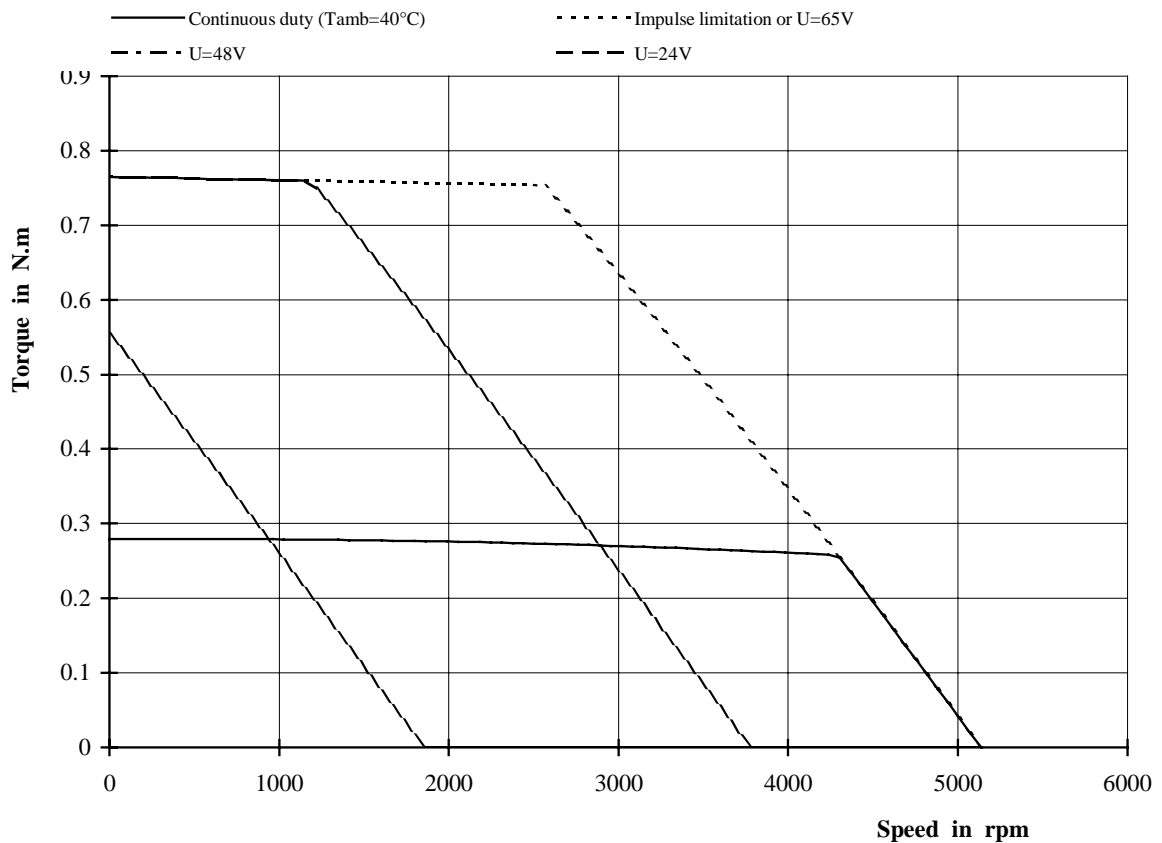
DC-SERVOMOTOR
RS310N

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------|-------------------|-----------|
| Low speed torque | 0.28 | N.m | M_o |
| Permanent current at low speed | 2.6 | A | I_o |
| Supply voltage with loaded motor | 50 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 65 | V | U_{max} |
| Maximum speed | 5100 | rpm | N_{max} |
| Peak current | 7 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 12.3 | V | K_e |
| Torque constant | 0.117 | N.m/A | K_t |
| Static friction torque | 2.2 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.43 | N.cm | K_d |
| Winding resistance(25°C) | 3.64 | Ω | R_b |
| Winding inductance | 4.4 | mH | L |
| Rotor inertia | 0.000054 | kg.m ² | J |
| Thermal time constant | 9 | min | T_{th} |
| Motor mass | 0.96 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

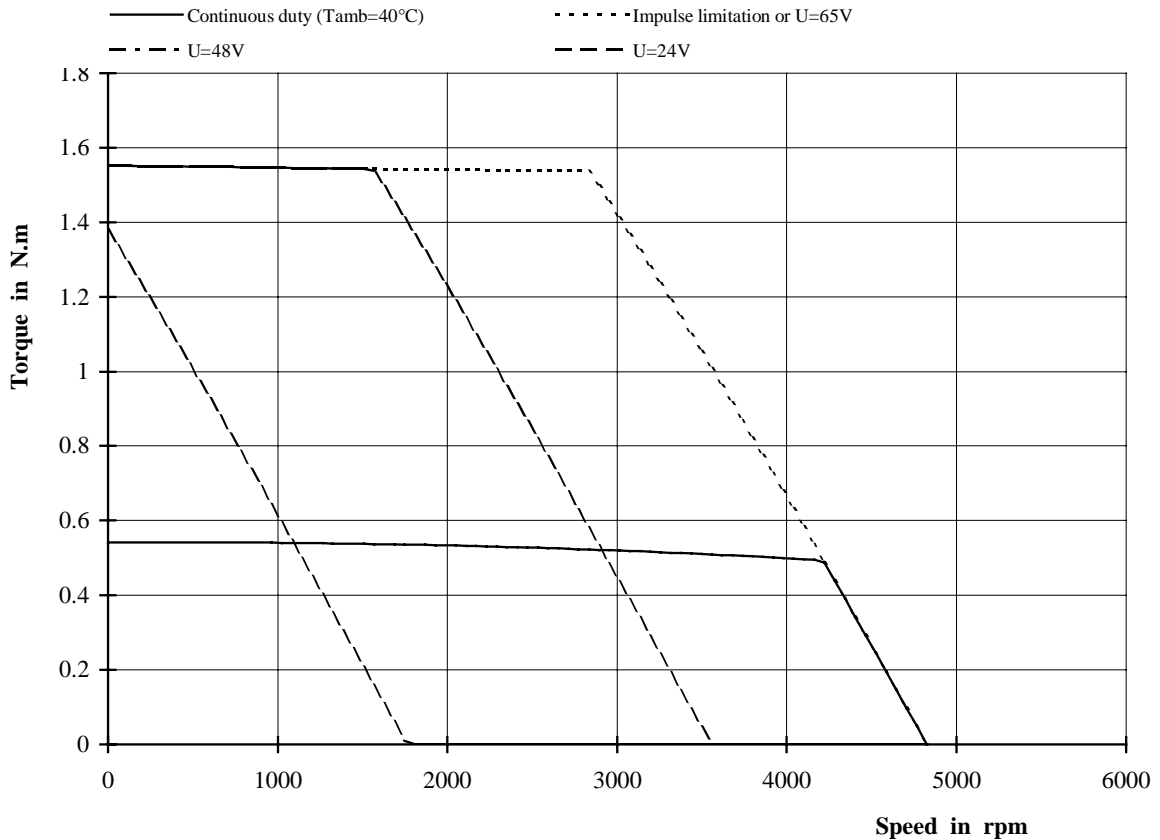
DC-SERVOMOTOR
RS320H

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|-----------------|-------------------|------------------------|
| Low speed torque | 0.54 | N.m | <i>M_o</i> |
| Permanent current at low speed | 4.5 | A | <i>I_o</i> |
| Supply voltage with loaded motor | 49 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 65 | V | <i>U_{max}</i> |
| Maximum speed | 4800 | rpm | <i>N_{max}</i> |
| Peak current | 13 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 13.3 | V | <i>K_e</i> |
| Torque constant | 0.127 | N.m/A | <i>K_t</i> |
| Static friction torque | 2.4 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.53 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 1.52 | Ω | <i>R_b</i> |
| Winding inductance | 2.2 | mH | <i>L</i> |
| Rotor inertia | 0.000083 | kg.m ² | <i>J</i> |
| Thermal time constant | 7 | min | <i>T_{th}</i> |
| Motor mass | 1.34 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

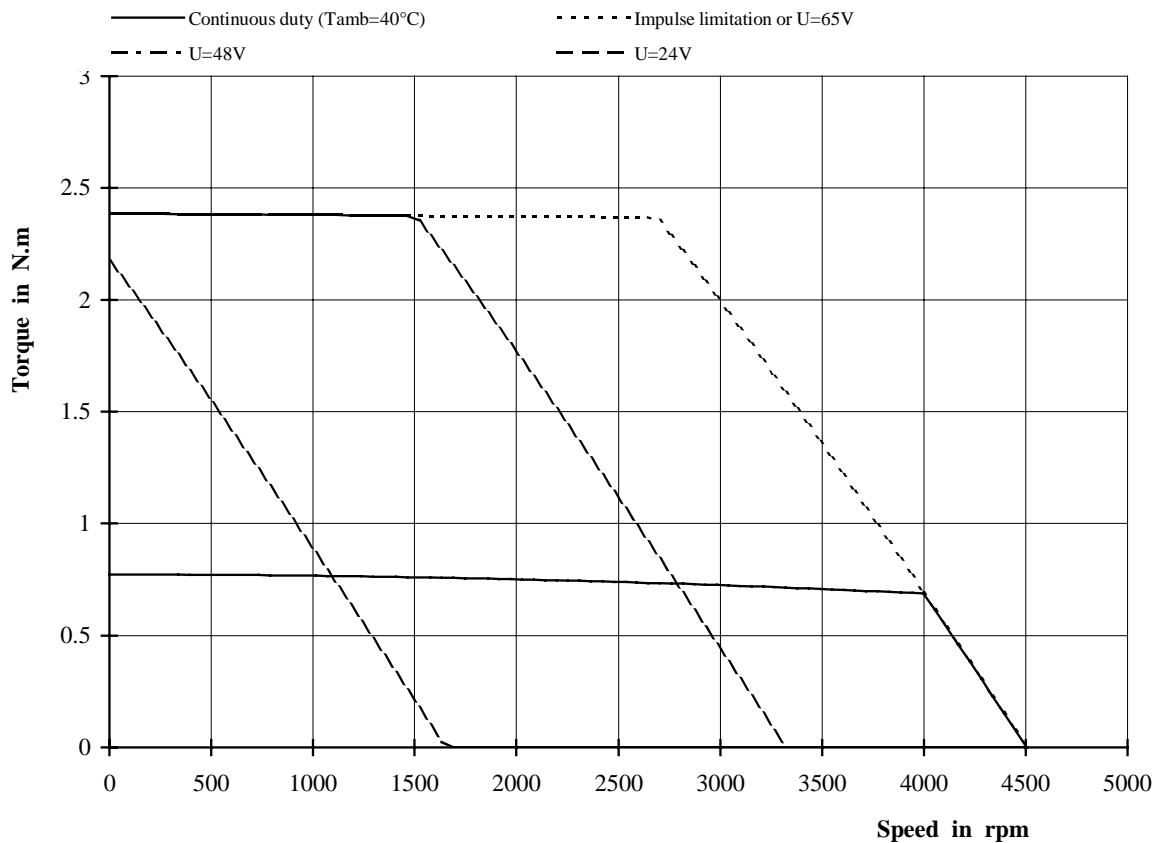
DC-S ERVOMOTOR
RS330E

PARVEX

8 avenue du Lac
 BP249
 F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------------|-------------------|------------------------|
| Low speed torque | 0.78 | N.m | <i>M₀</i> |
| Permanent current at low speed | 5.9 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 51 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 65 | V | <i>U_{max}</i> |
| Maximum speed | 4500 | rpm | <i>N_{max}</i> |
| Peak current | 18.5 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 14.3 | V | <i>K_e</i> |
| Torque constant | 0.137 | N.m/A | <i>K_t</i> |
| Static friction torque | 2.6 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.63 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 1.01 | Ω | <i>R_b</i> |
| Winding inductance | 1.65 | mH | <i>L</i> |
| Rotor inertia | 0.00011 | kg.m ² | <i>J</i> |
| Thermal time constant | 6.2 | min | <i>T_{th}</i> |
| Motor mass | 1.72 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

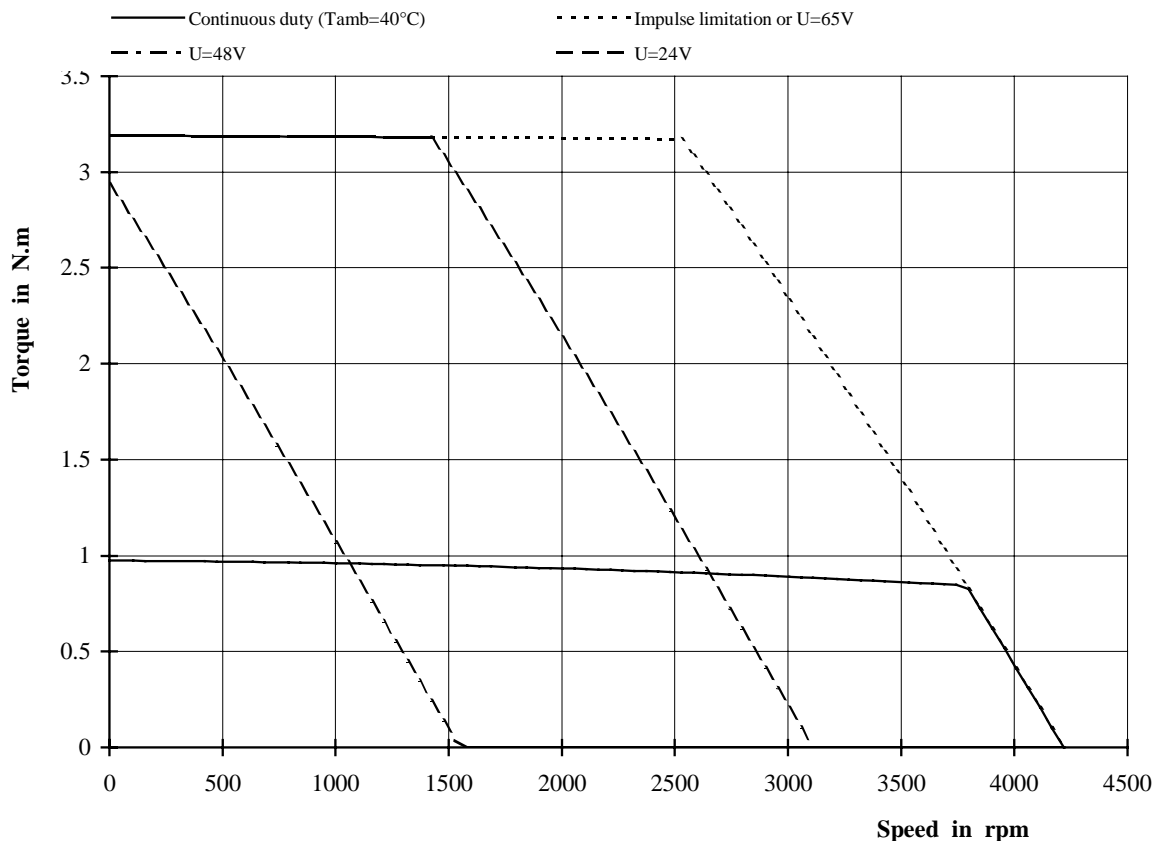
DC-SERVOMOTOR
RS340C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------------|-------------------|------------------------|
| Low speed torque | 0.98 | N.m | <i>M₀</i> |
| Permanent current at low speed | 6.9 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 53 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 65 | V | <i>U_{max}</i> |
| Maximum speed | 4200 | rpm | <i>N_{max}</i> |
| Peak current | 23 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 15.3 | V | <i>K_e</i> |
| Torque constant | 0.146 | N.m/A | <i>K_t</i> |
| Static friction torque | 2.8 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.73 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.8 | Ω | <i>R_b</i> |
| Winding inductance | 1.4 | mH | <i>L</i> |
| Rotor inertia | 0.00014 | kg.m ² | <i>J</i> |
| Thermal time constant | 6 | min | <i>T_{th}</i> |
| Motor mass | 2.1 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

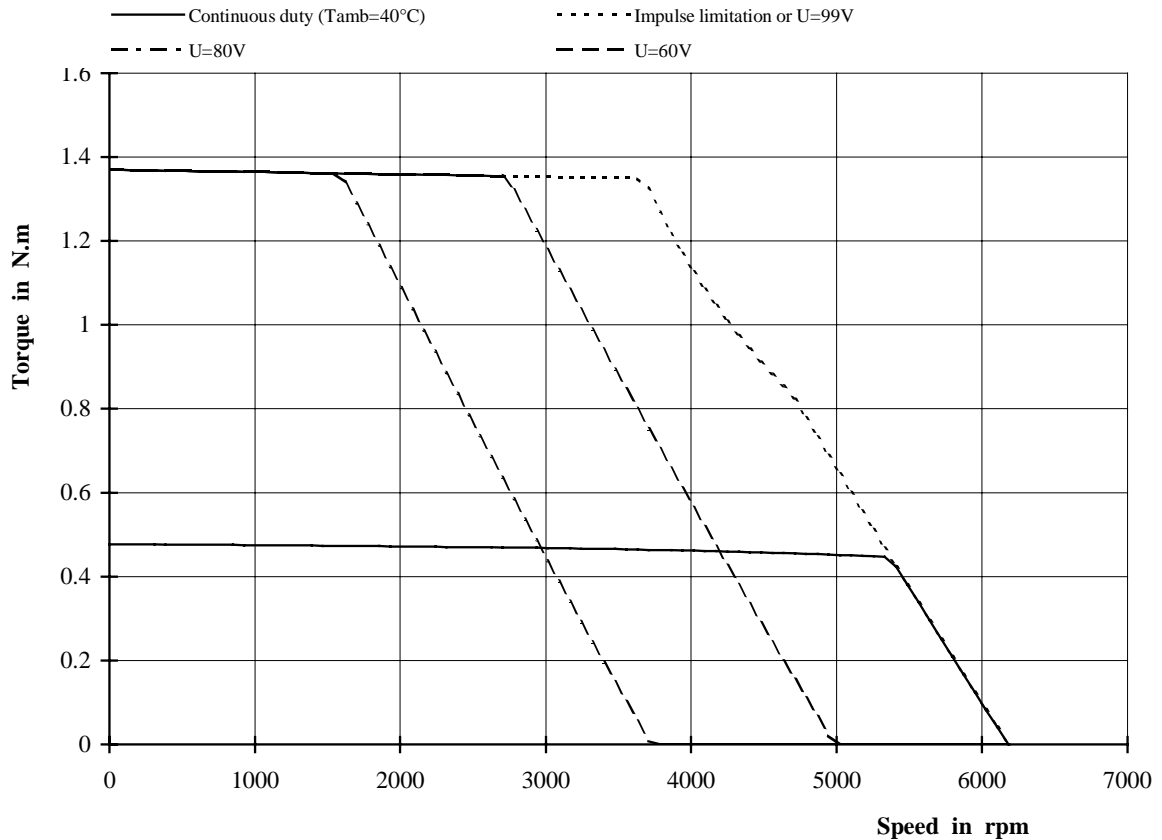
DC-SERVOMOTOR
RS410R

PARVEX

8 avenue du Lac
 BP249
 F-21007 DIJON Cedex

| | | | |
|---------------------------------------|-----------------|-------------------|------------------------|
| Low speed torque | 0.48 | N.m | <i>M₀</i> |
| Permanent current at low speed | 3.6 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 60 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 99 | V | <i>U_{max}</i> |
| Maximum speed | 6200 | rpm | <i>N_{max}</i> |
| Peak current | 10 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 15.6 | V | <i>K_e</i> |
| Torque constant | 0.15 | N.m/A | <i>K_t</i> |
| Static friction torque | 5.2 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.56 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 2.47 | Ω | <i>R_b</i> |
| Winding inductance | 4.2 | mH | <i>L</i> |
| Rotor inertia | 0.000137 | kg.m ² | <i>J</i> |
| Thermal time constant | 14 | min | <i>T_{th}</i> |
| Motor mass | 1.6 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

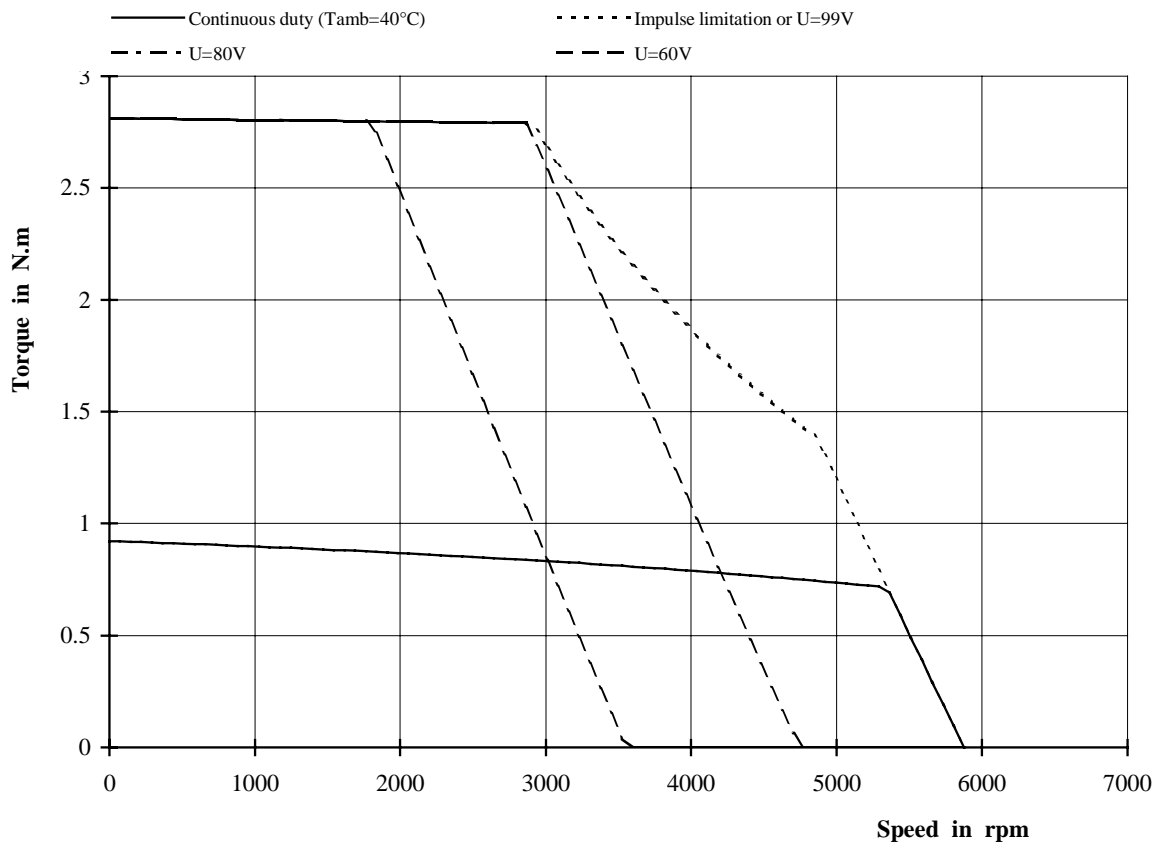
DC-S ERVOMOTOR
RS420J

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------|-------------------|-----------|
| Low speed torque | 0.93 | N.m | M_o |
| Permanent current at low speed | 6.2 | A | I_o |
| Supply voltage with loaded motor | 60 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 99 | V | U_{max} |
| Maximum speed | 5900 | rpm | N_{max} |
| Peak current | 19 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 16.6 | V | K_e |
| Torque constant | 0.16 | N.m/A | K_t |
| Static friction torque | 5.4 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.75 | N.cm | K_d |
| Winding resistance(25°C) | 0.96 | Ω | R_b |
| Winding inductance | 1.9 | mH | L |
| Rotor inertia | 0.000225 | kg.m ² | J |
| Thermal time constant | 12.5 | min | T_{th} |
| Motor mass | 2.2 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

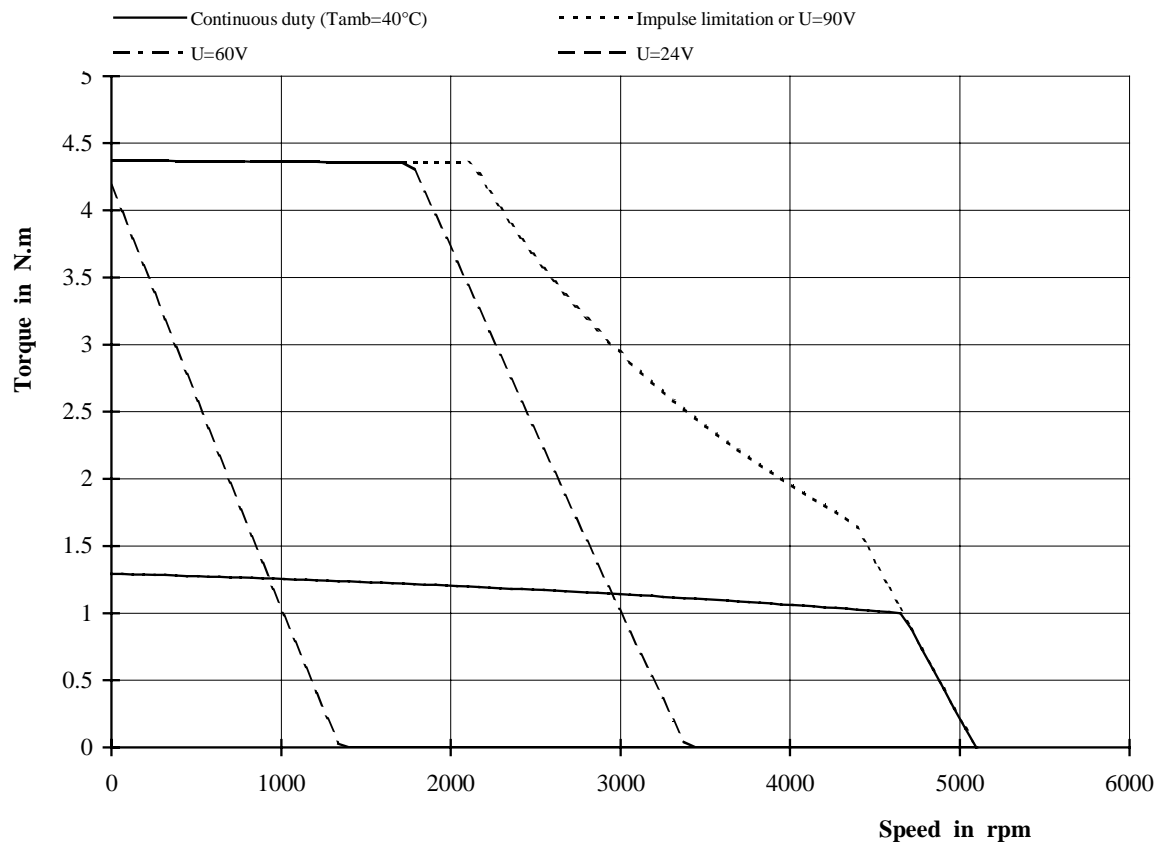
DC-SERVOMOTOR
RS430F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|---------|-------------------|-----------|
| Low speed torque | 1.3 | N.m | M_o |
| Permanent current at low speed | 8.1 | A | I_o |
| Supply voltage with loaded motor | 43 | V | U |
| Definition speed | 2000 | rpm | N |
| Maximum supply voltage | 90 | V | U_{max} |
| Maximum speed | 5100 | rpm | N_{max} |
| Peak current | 28 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 17.5 | V | K_e |
| Torque constant | 0.167 | N.m/A | K_t |
| Static friction torque | 5.7 | N.cm | T_f |
| Viscous damping for 1000 rpm | 0.94 | N.cm | K_d |
| Winding resistance(25°C) | 0.59 | Ω | R_b |
| Winding inductance | 1.33 | mH | L |
| Rotor inertia | 0.00031 | kg.m ² | J |
| Thermal time constant | 11.5 | min | T_{th} |
| Motor mass | 2.8 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

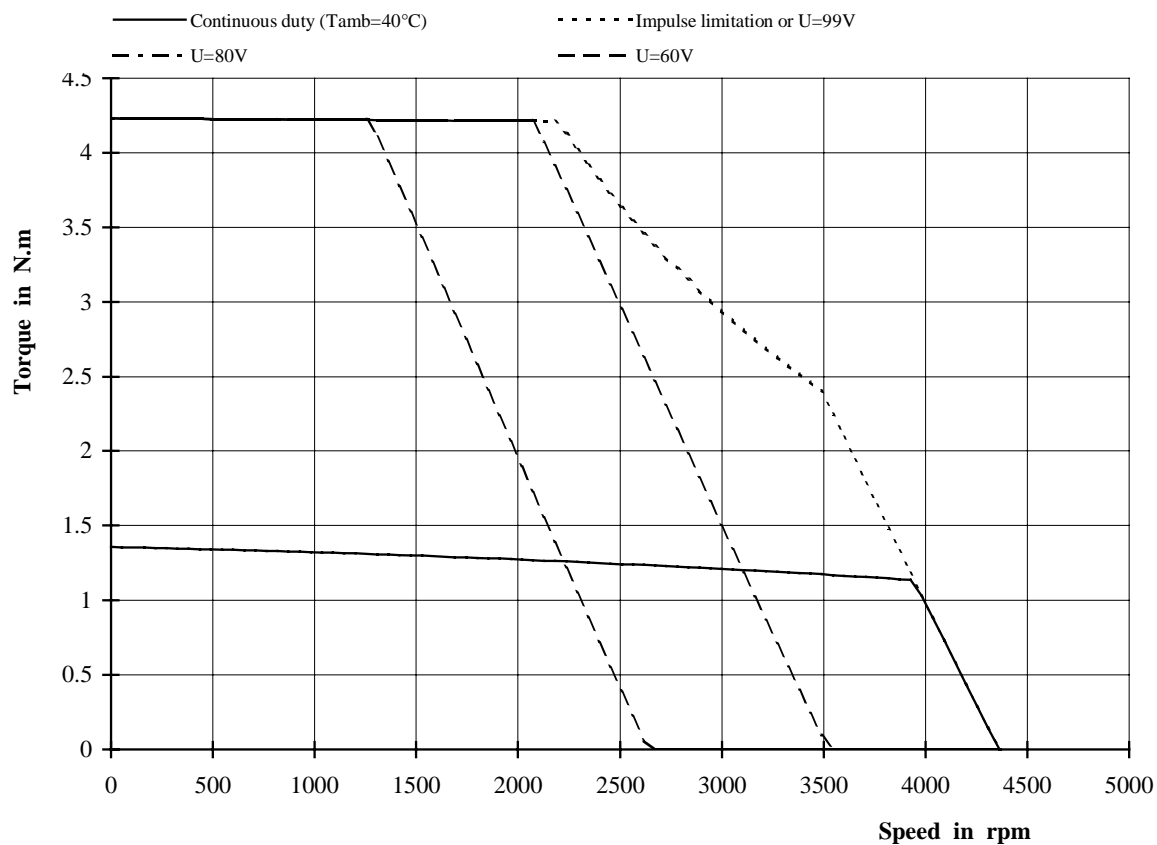
DC-S ERVOMOTOR
RS 430H

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------------|-------------------|------------------------|
| Low speed torque | 1.36 | N.m | <i>M₀</i> |
| Permanent current at low speed | 6.6 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 78 | V | <i>U</i> |
| Definition speed | 3000 | rpm | <i>N</i> |
| Maximum supply voltage | 99 | V | <i>U_{max}</i> |
| Maximum speed | 4400 | rpm | <i>N_{max}</i> |
| Peak current | 21 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 22.5 | V | <i>K_e</i> |
| Torque constant | 0.215 | N.m/A | <i>K_t</i> |
| Static friction torque | 5.7 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.94 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.94 | Ω | <i>R_b</i> |
| Winding inductance | 2.2 | mH | <i>L</i> |
| Rotor inertia | 0.00031 | kg.m ² | <i>J</i> |
| Thermal time constant | 11.5 | min | <i>T_{th}</i> |
| Motor mass | 2.8 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

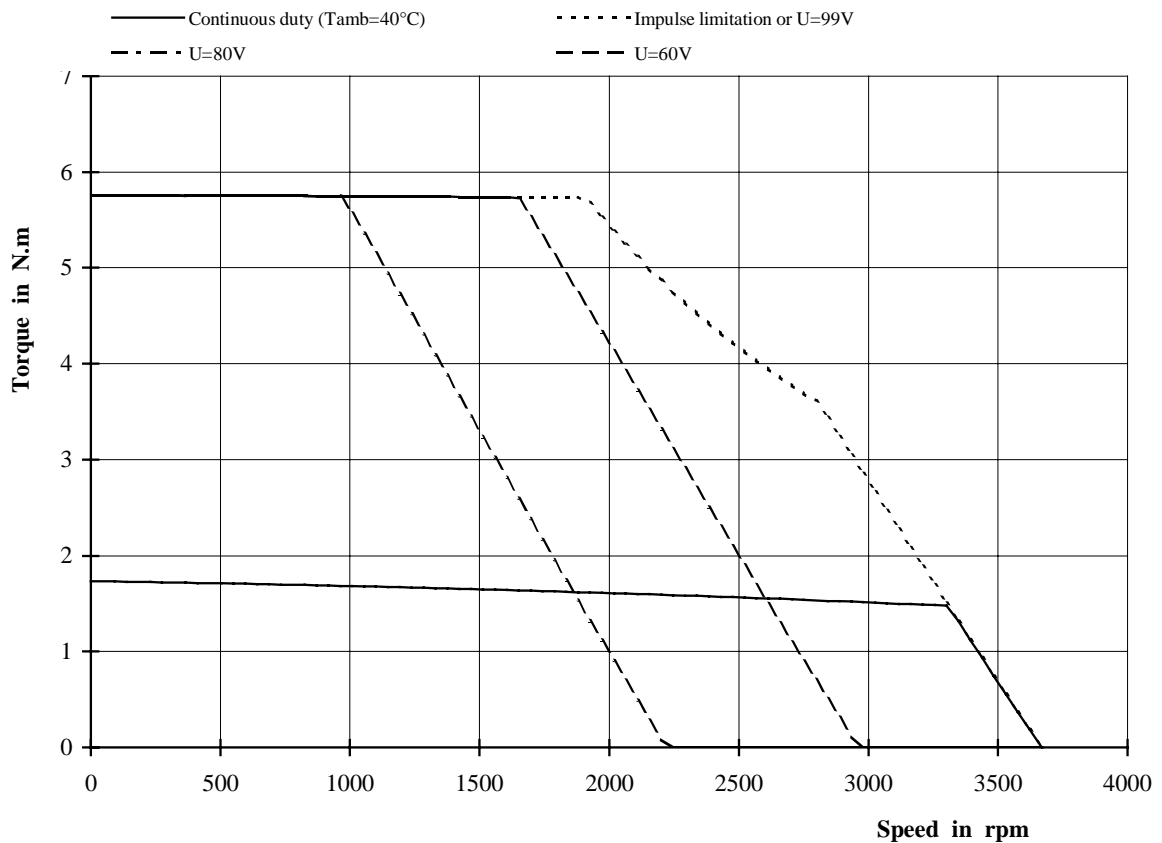
DC-SERVOMOTOR
RS440G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|--------|-------------------|-----------|
| Low speed torque | 1.74 | N.m | M_0 |
| Permanent current at low speed | 7 | A | I_0 |
| Supply voltage with loaded motor | 90 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 99 | V | U_{max} |
| Maximum speed | 3700 | rpm | N_{max} |
| Peak current | 24 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 27 | V | K_e |
| Torque constant | 0.256 | N.m/A | K_t |
| Static friction torque | 5.9 | N.cm | T_f |
| Viscous damping for 1000 rpm | 1.13 | N.cm | K_d |
| Winding resistance(25°C) | 0.9 | Ω | R_b |
| Winding inductance | 2.2 | mH | L |
| Rotor inertia | 0.0004 | kg.m ² | J |
| Thermal time constant | 10.5 | min | T_{th} |
| Motor mass | 3.4 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

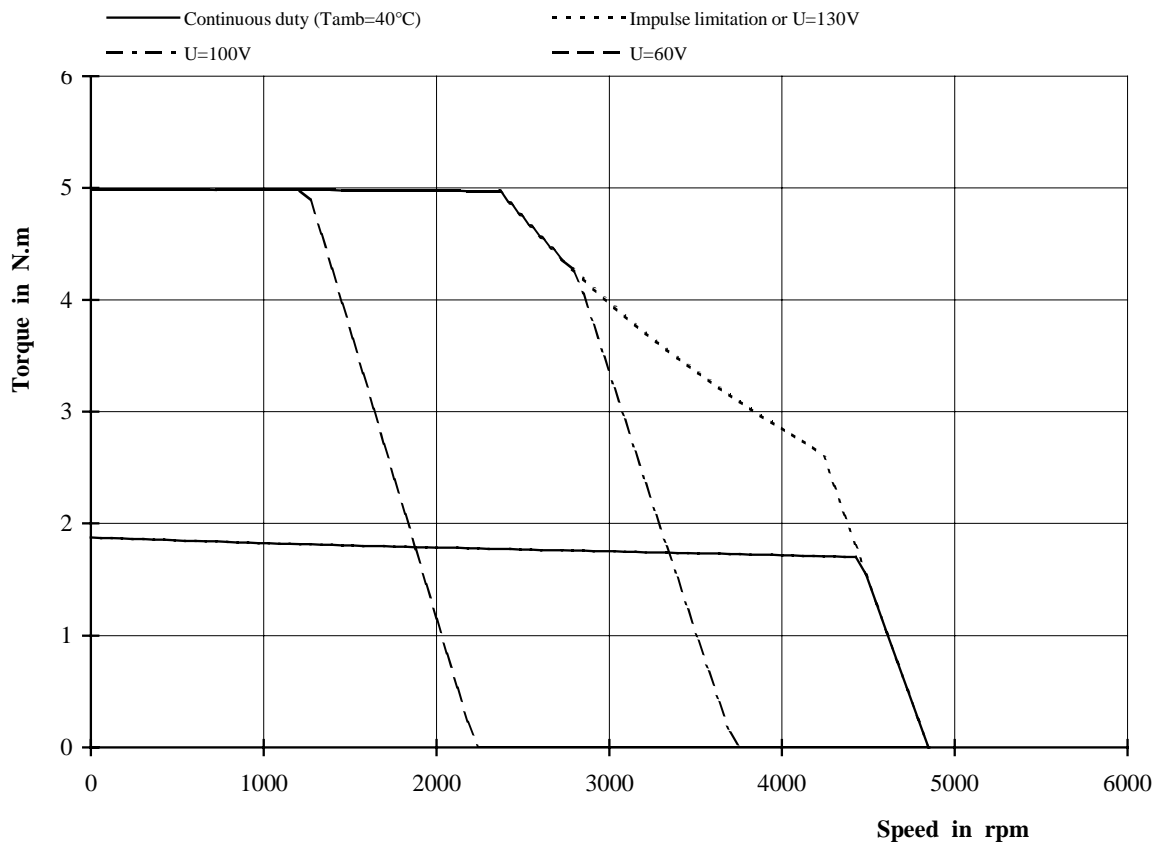
DC-SERVOMOTOR
RS510L

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|--------------|-------------------|------------------------|
| Low speed torque | 1.9 | N.m | <i>M₀</i> |
| Permanent current at low speed | 7.9 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 82 | V | <i>U</i> |
| Definition speed | 2700 | rpm | <i>N</i> |
| Maximum supply voltage | 130 | V | <i>U_{max}</i> |
| Maximum speed | 4850 | rpm | <i>N_{max}</i> |
| Peak current | 21 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 26.6 | V | <i>K_e</i> |
| Torque constant | 0.254 | N.m/A | <i>K_t</i> |
| Static friction torque | 12 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.71 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.71 | Ω | <i>R_b</i> |
| Winding inductance | 3.6 | mH | <i>L</i> |
| Rotor inertia | 0.001 | kg.m ² | <i>J</i> |
| Thermal time constant | 18 | min | <i>T_{th}</i> |
| Motor mass | 5.1 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

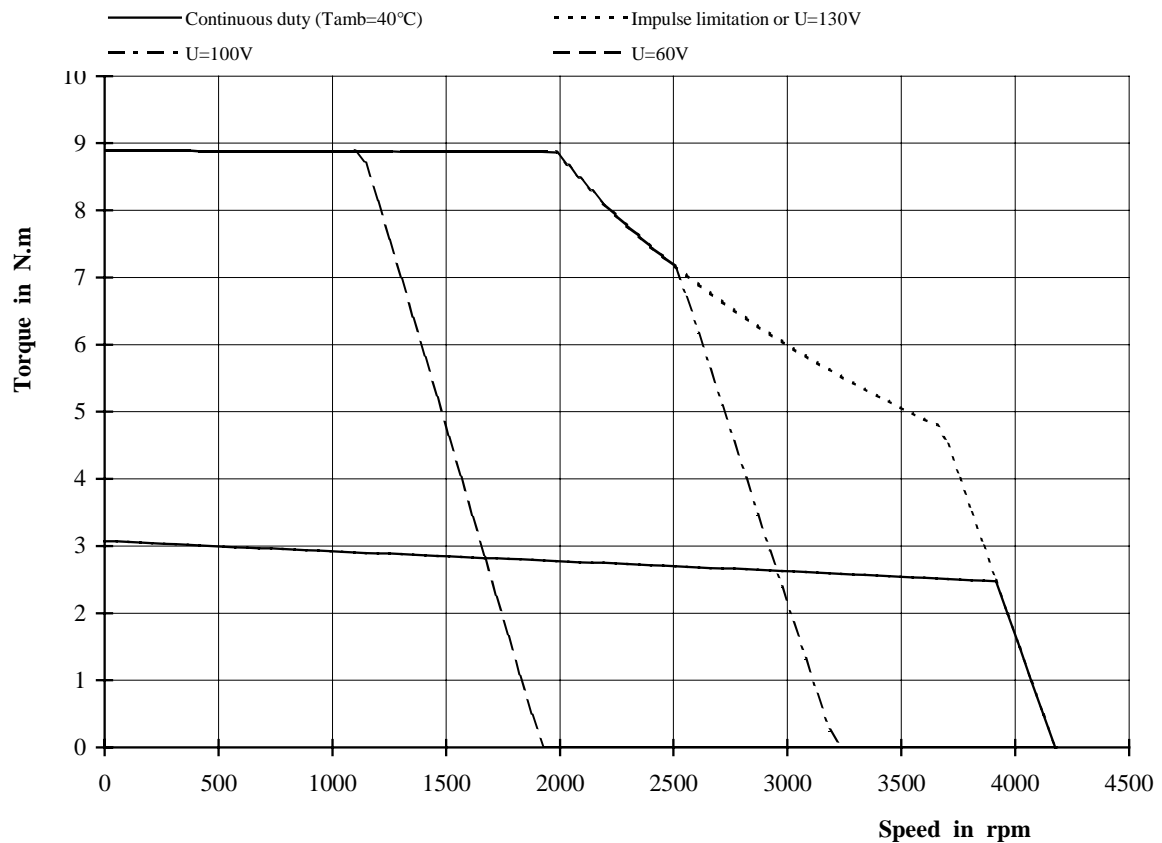
DC-SERVOMOTOR
RS520G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|----------------|-------------------|------------------------|
| Low speed torque | 3.1 | N.m | <i>M₀</i> |
| Permanent current at low speed | 10.9 | A | <i>I₀</i> |
| Supply voltage with loaded motor | 92 | V | <i>U</i> |
| Definition speed | 2700 | rpm | <i>N</i> |
| Maximum supply voltage | 130 | V | <i>U_{max}</i> |
| Maximum speed | 4200 | rpm | <i>N_{max}</i> |
| Peak current | 32 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 31 | V | <i>K_e</i> |
| Torque constant | 0.296 | N.m/A | <i>K_t</i> |
| Static friction torque | 13 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 0.92 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.4 | Ω | <i>R_b</i> |
| Winding inductance | 2.34 | mH | <i>L</i> |
| Rotor inertia | 0.00135 | kg.m ² | <i>J</i> |
| Thermal time constant | 17.8 | min | <i>T_{th}</i> |
| Motor mass | 6.3 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

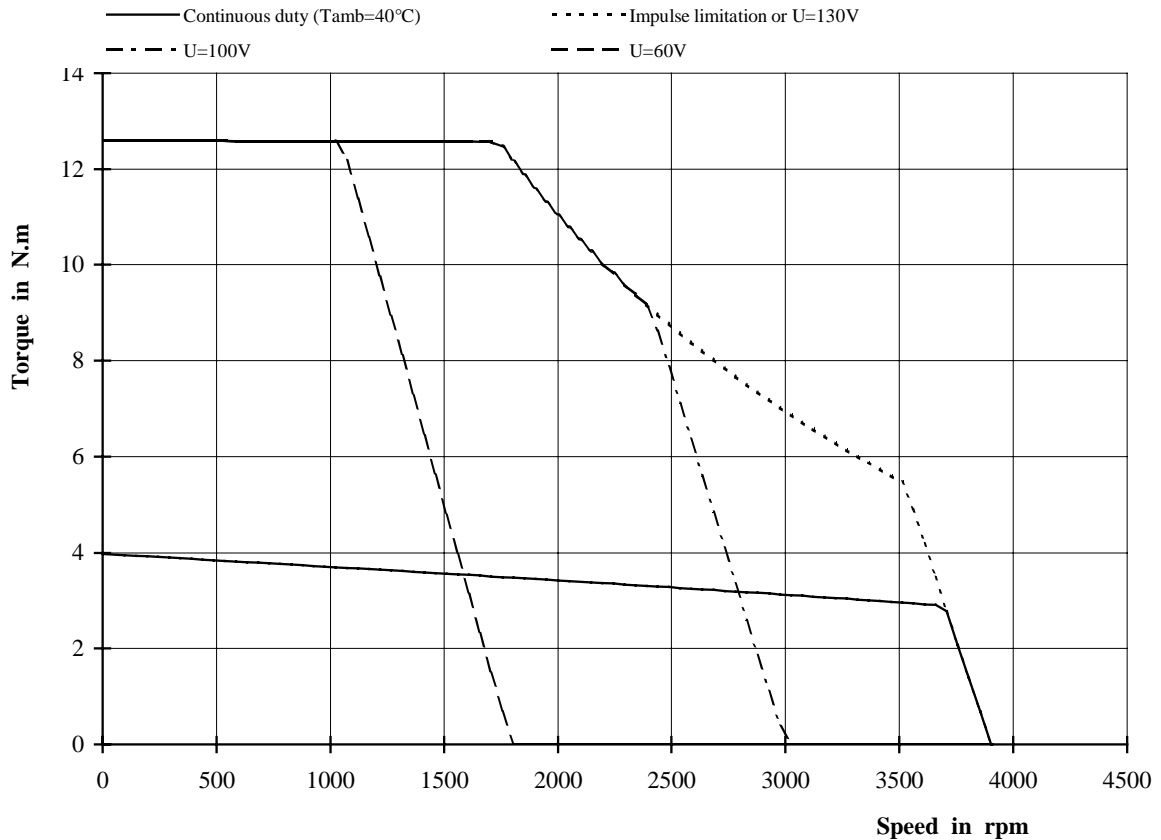
DC-SERVOMOTOR
RS530E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|---------------|-------------------|------------------------|
| Low speed torque | 4 | N.m | <i>M_o</i> |
| Permanent current at low speed | 13 | A | <i>I_o</i> |
| Supply voltage with loaded motor | 97 | V | <i>U</i> |
| Definition speed | 2700 | rpm | <i>N</i> |
| Maximum supply voltage | 130 | V | <i>U_{max}</i> |
| Maximum speed | 3900 | rpm | <i>N_{max}</i> |
| Peak current | 42 | A | <i>I_{max}</i> |
| Back emf constant at 1000 rpm (25°C)* | 33 | V | <i>K_e</i> |
| Torque constant | 0.32 | N.m/A | <i>K_t</i> |
| Static friction torque | 14 | N.cm | <i>T_f</i> |
| Viscous damping for 1000 rpm | 1.13 | N.cm | <i>K_d</i> |
| Winding resistance(25°C) | 0.29 | Ω | <i>R_b</i> |
| Winding inductance | 1.74 | mH | <i>L</i> |
| Rotor inertia | 0.0017 | kg.m ² | <i>J</i> |
| Thermal time constant | 19 | min | <i>T_{th}</i> |
| Motor mass | 7.5 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

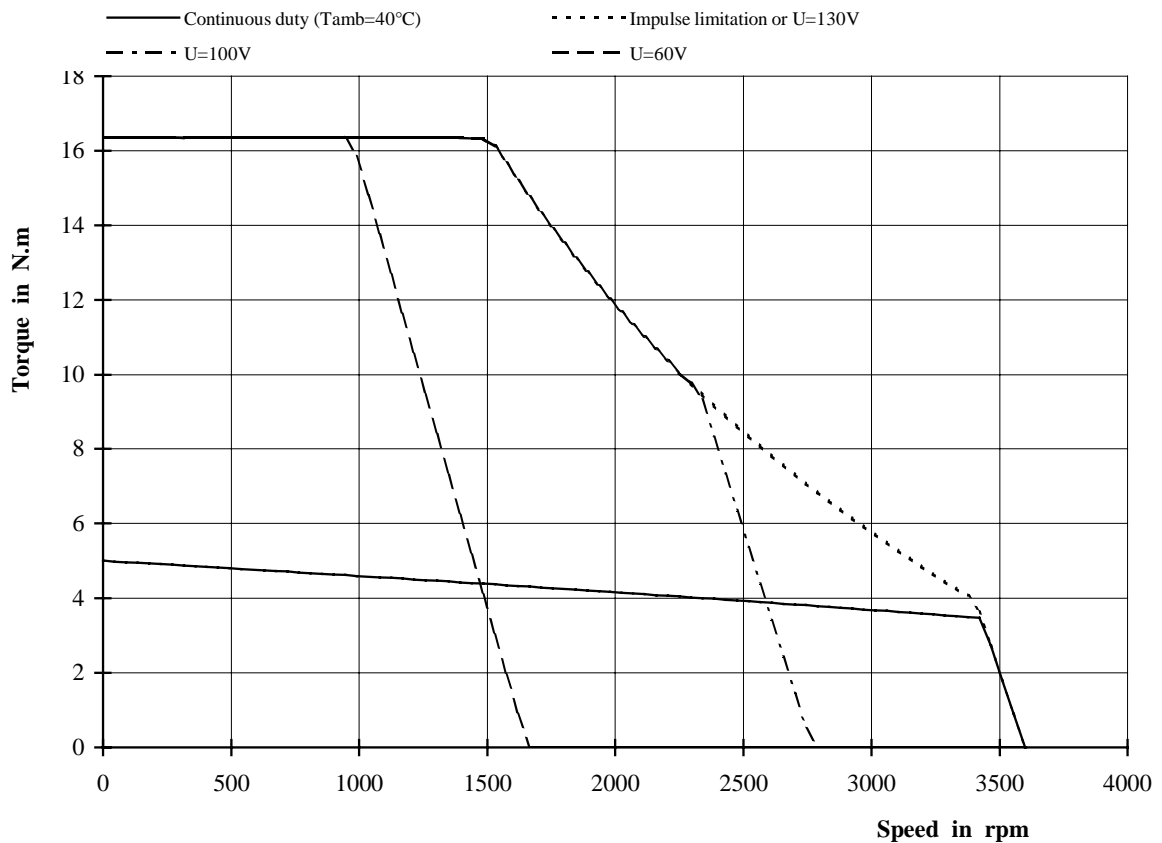
DC-SERVOMOTOR
RS540C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|---------|-------------------|-----------|
| Low speed torque | 5 | N.m | M_o |
| Permanent current at low speed | 15 | A | I_o |
| Supply voltage with loaded motor | 104 | V | U |
| Definition speed | 2700 | rpm | N |
| Maximum supply voltage | 130 | V | U_{max} |
| Maximum speed | 3600 | rpm | N_{max} |
| Peak current | 50 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 36 | V | K_e |
| Torque constant | 0.344 | N.m/A | K_t |
| Static friction torque | 15 | N.cm | T_f |
| Viscous damping for 1000 rpm | 1.34 | N.cm | K_d |
| Winding resistance(25°C) | 0.225 | Ω | R_b |
| Winding inductance | 1.5 | mH | L |
| Rotor inertia | 0.00205 | kg.m ² | J |
| Thermal time constant | 20.6 | min | T_{th} |
| Motor mass | 8.7 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

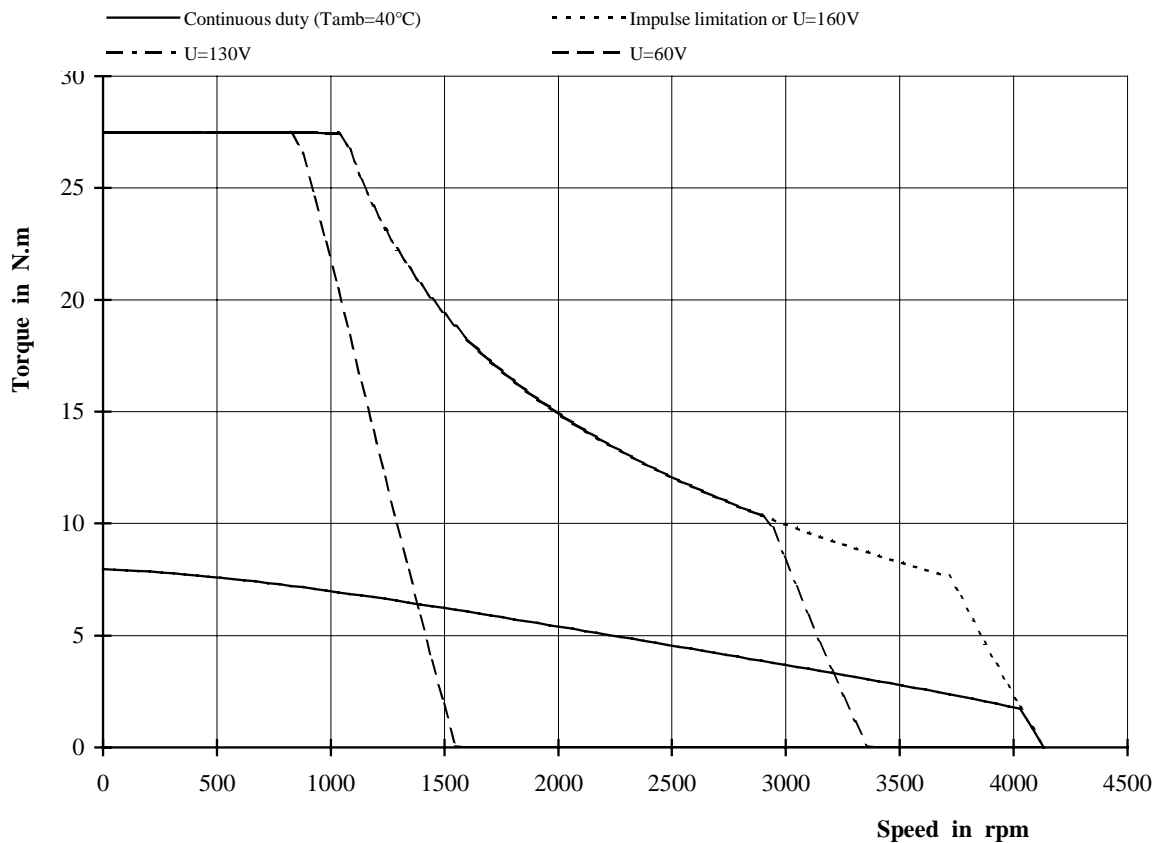
DC-SERVOMOTOR
RS620G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|--------|-------------------|-----------|
| Low speed torque | 8 | N.m | M_0 |
| Permanent current at low speed | 22.3 | A | I_0 |
| Supply voltage with loaded motor | 100 | V | U |
| Definition speed | 2400 | rpm | N |
| Maximum supply voltage | 160 | V | U_{max} |
| Maximum speed | 4100 | rpm | N_{max} |
| Peak current | 82 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 38.5 | V | K_e |
| Torque constant | 0.37 | N.m/A | K_t |
| Static friction torque | 20 | N.cm | T_f |
| Viscous damping for 1000 rpm | 5 | N.cm | K_d |
| Winding resistance(25°C) | 0.155 | Ω | R_b |
| Winding inductance | 1.78 | mH | L |
| Rotor inertia | 0.0053 | kg.m ² | J |
| Thermal time constant | 26.7 | min | T_{th} |
| Motor mass | 11.5 | kg | M |

All data are given in typical values under standard conditions



FICHER-001

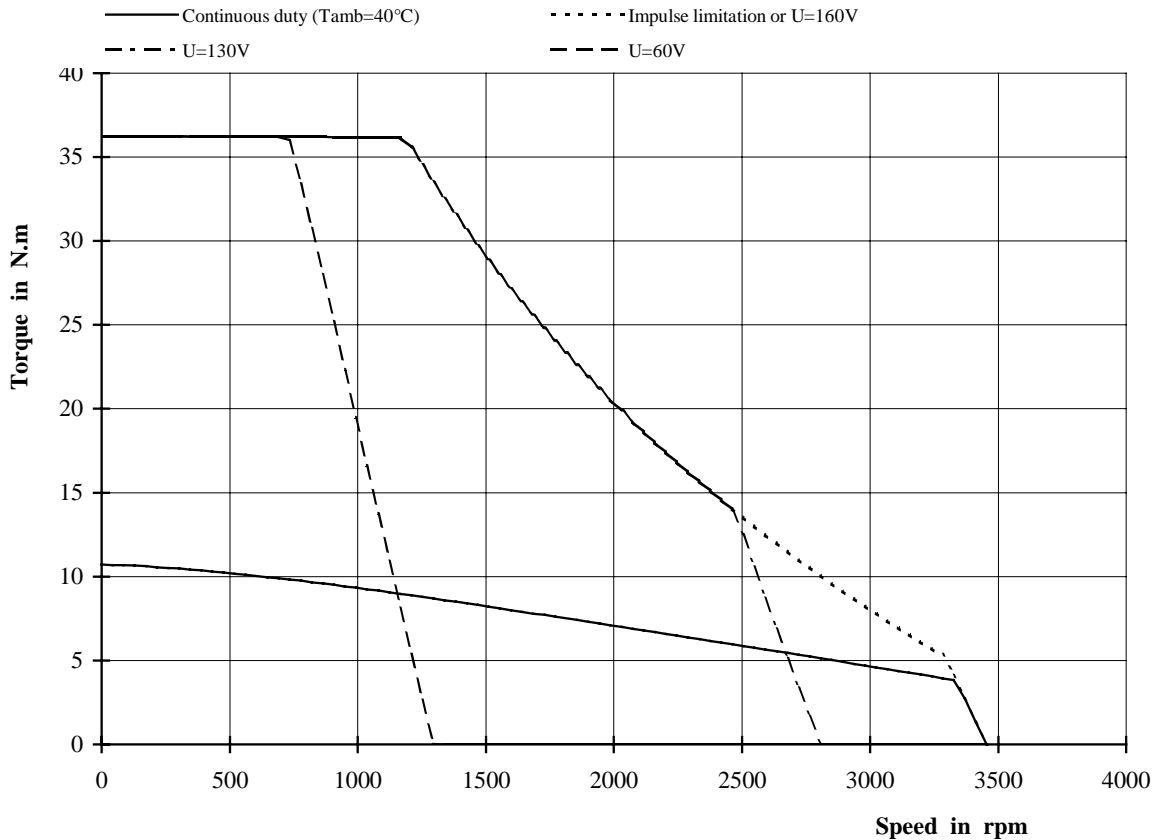
DC-SERVOMOTOR
RS630F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|---------------|-------------------|-------------|
| Low speed torque | 10.8 | N.m | <i>Mo</i> |
| Permanent current at low speed | 25 | A | <i>Io</i> |
| Supply voltage with loaded motor | 100 | V | <i>U</i> |
| Definition speed | 2000 | rpm | <i>N</i> |
| Maximum supply voltage | 160 | V | <i>Umax</i> |
| Maximum speed | 3460 | rpm | <i>Nmax</i> |
| Peak current | 90 | A | <i>Imax</i> |
| Back emf constant at 1000 rpm (25°C)* | 46 | V | <i>Ke</i> |
| Torque constant | 0.44 | N.m/A | <i>Kt</i> |
| Static friction torque | 22 | N.cm | <i>Tf</i> |
| Viscous damping for 1000 rpm | 6 | N.cm | <i>Kd</i> |
| Winding resistance(25°C) | 0.134 | Ω | <i>Rb</i> |
| Winding inductance | 1.62 | mH | <i>L</i> |
| Rotor inertia | 0.0068 | kg.m ² | <i>J</i> |
| Thermal time constant | 31 | min | <i>Tth</i> |
| Motor mass | 14 | kg | <i>M</i> |

All data are given in typical values under standard conditions



FICHER-001

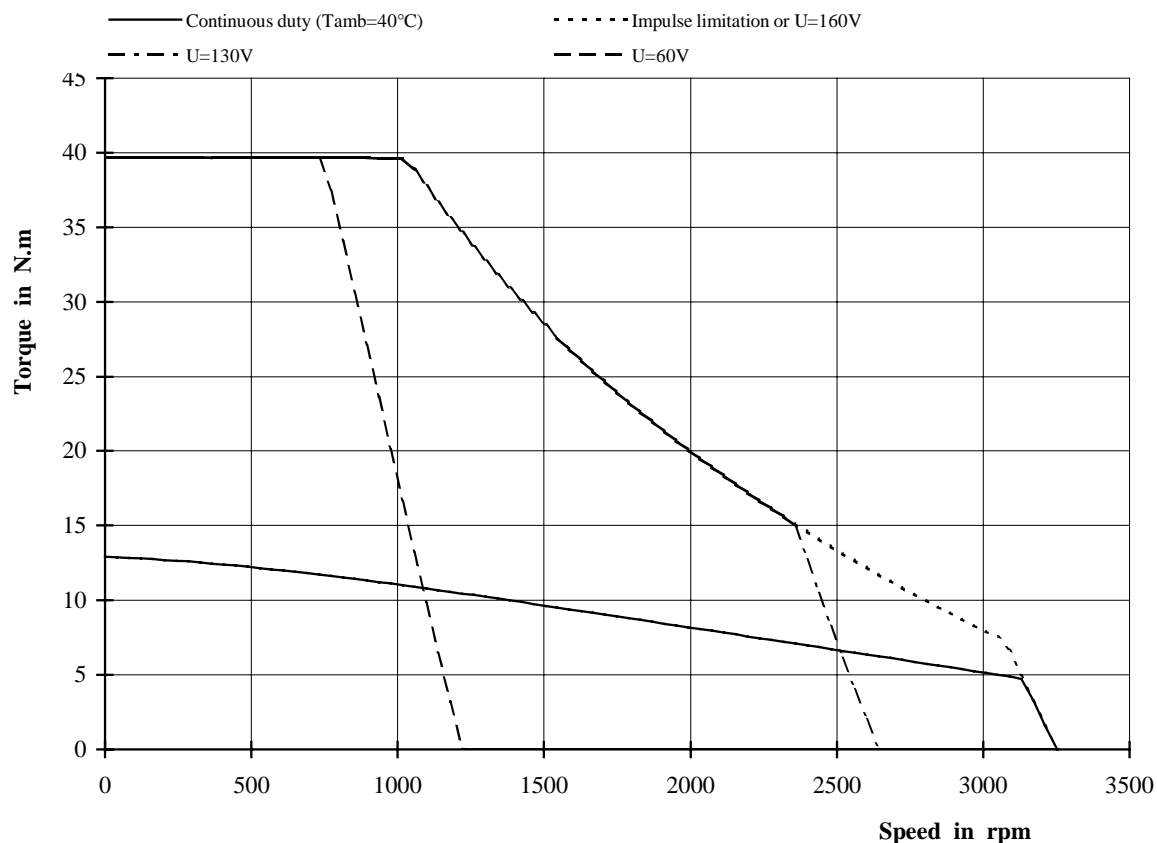
DC-SERVOMOTOR
RS640E

PARVEX

8 avenue du Lac
 BP249
 F-21007 DIJON Cedex

| | | | |
|---------------------------------------|---------------|-------------------|-------------|
| Low speed torque | 13 | N.m | <i>Mo</i> |
| Permanent current at low speed | 28 | A | <i>Io</i> |
| Supply voltage with loaded motor | 105 | V | <i>U</i> |
| Definition speed | 2000 | rpm | <i>N</i> |
| Maximum supply voltage | 160 | V | <i>Umax</i> |
| Maximum speed | 3250 | rpm | <i>Nmax</i> |
| Peak current | 90 | A | <i>Imax</i> |
| Back emf constant at 1000 rpm (25°C)* | 49 | V | <i>Ke</i> |
| Torque constant | 0.47 | N.m/A | <i>Kt</i> |
| Static friction torque | 24 | N.cm | <i>Tf</i> |
| Viscous damping for 1000 rpm | 7 | N.cm | <i>Kd</i> |
| Winding resistance(25°C) | 0.12 | Ω | <i>Rb</i> |
| Winding inductance | 1.38 | mH | <i>L</i> |
| Rotor inertia | 0.0083 | kg.m ² | <i>J</i> |
| Thermal time constant | 32.7 | min | <i>Tth</i> |
| Motor mass | 16.3 | kg | <i>M</i> |

All data are given in typical values under standard conditions



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