2022

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| JVU | NÁHON B-S1-M1B2-B0 | | | | | | | |
| | NEPLATÍ PRO ŠNEKOVÉ ROZVODOVKY | | | | | | | |
| ZD | 253 | Tr | 2 | zdvih | 5600 | 10,00 | ar | 0,05 |
| ZS | 1 688 | Tb | 2 | v | 0,100 | 0,1001 | ab | 0,05 |
| Mv | 1 613 | Tt | 0,25 | i | 146,6 | 156,0 | at | 0,40 |
| | | | | Cuus | 100% | Cuud | 49% | |
| 0% | 0% | 100% | 0% | 0% | 0% | | | |
| 0% | 0% | 0% | 0% | 0% | 0% | 100,0% | | |

Brždění měničem

ELL = DYNAMIKA
ELL/R = STATIKA

| | |
|---|---|
| M1 | počet motorů |
| S1-LL2 100- | počet serapidů |

1 Kategorie bezpečnosti řízení: KATEGORIE 1

0,25 s

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ARC | QDH 81M-00016-4096/4096 V001 SSI+ISI-HW20 H7/NUT 5 | | | | | | | | |
| 1 | 1 | výstup | vstup | d1 | | | | 4 | |
| | ov | 9,33 | 9,33 | 8 | | | | os | 11 |
| | | D4= | 8 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| STR | | | | | | | | | |
| 1 | - | výstup | vstup | d1 | d2 | | | 4 | |
| | ov | 9,33 | 9,33 | 8 | 8 | | | os | 10 |
| | | D3= | 8 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LL | LL2 10-M2 | | | | | | | | |
| 3 | 1 | výstup | vstup | p | 100 | Mr | 9 | Pt | x |
| | Pr | 1,9 | 2,3 | | | Md | 1866 | P | x |
| | P | 1,9 | 2,3 | | | Mb | 9 | nk | x |
| | n | 9,5 | 9,5 | | | Mt | 75 | n | x |
| | Mdr | 1875 | 2344 | Bdr>1 | 32,00 | Mrr | 0,00 | Mjr | 75 000 |
| | Md | 1866 | 2332 | Bd>1 | 32,16 | Mrb | 0,00 | Mjd | 75000 |
| | Mdb | 1875 | 1500 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 130000 |
| | Mdt | 1940 | 1552 | Bdt>1 | 4,09 | Ji | 0,000 | | 0 |
| | MBd | 7933 | 6347 | BBd>1 | 16,39 | Jri | 0,000 | | 0 |
| | Bdr*>2 | 69,3 | 55,5 | | | krr | 0,5 | FT | 200 |
| | Ms | 3301 | 3301 | Bs>1,5 | 39,39 | krb | 0,5 | Gj | 200 |
| | MBs | 4992 | 4992 | BBs>1 | 26,04 | krt | 4,0 | kn | 0,000 |
| | Bs*>1,5 | 39,4 | 39,4 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 80% | 1 | B70x64 | x | x | x | x | x |
| | uus | 100% | 1 | | | | | | |
| | | D3= | B70x64 | mm | | | | | |

| | | |
|---|---|---|
| 100% | vstup | |
| ZD | 253 | kg |
| ZS | 1688 | kg |
| Mv | 1 215 | kg |
| Mvk | 398 | kg |
| FDr | 93 | N |
| FD | 18658 | N |
| FDb | 93 | N |
| FDt | 746,33 | N |
| FT | 24 | kN |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B | 2HPS-12.24 | | | | | | | | |
| 1 | 1 | výstup | vstup | BB>1,5 | 1,51 | t11 AC | 0,180 | Pt | x |
| | Pr | 3,6 | 3,6 | Mdb* | 11 | t AC | 0,000 | P | x |
| | P | 3,5 | 3,5 | Mdt* | 11 | t11 DC | 0,018 | nk | x |
| | n | 1490 | 1490 | Ms* | 32 | t DC | 0,000 | n | x |
| | Mdr | 23 | 23 | | | Mrr | 0 | Mjr | |
| | Md | 22 | 22 | | | Mrb | 0 | Mjd | |
| | Mdb | 7 | 7 | Bdb>1,5 | 4,48 | Mrt | 1 | Mjs | 32 |
| | Mdt | 10 | 11 | Bdt>1 | 3,00 | Ji | 0,0009 | Mjs* | 32 |
| | MBd | 31 | 32 | BBd>1 | 1,04 | Jri | 0,002 | vm | 0,3 |
| | Bdb* | 3,11 | 2,80 | xb | 2 | krr | 78,0 | | x |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | 23,64 |
| | MBs | 32 | 32 | BBs>1 | 1,00 | krt | 624,0 | kn | 2 |
| | Bs*>1,5 | 1,51 | 1,51 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 24 | x | 24 | x | x | x |
| | uus | 100% | 1 | 90 | 20 | | | | 3 |
| | | D3= | 24 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PP | FRS130_i=40/SXA10038G628_i=3,9 | | | | | | | | |
| 3 | 156 | výstup | vstup | | | Mr | | Pt | 10 |
| | Pr | 2,34 | 3,5 | | | Md | | P | x |
| | P | 2,33 | 3,5 | | | Mb | | nk | 3500 |
| | n | 9,5 | 1490 | | | Mt | | n | x |
| | Mdr | 2344 | 22 | Bdr>1 | 1,20 | Mrr | 0,00 | Mjr | 2801 |
| | Md | 2332 | 22 | Bd>1 | 1,20 | Mrb | 0,00 | Mjd | 2801 |
| | Mdb | 1500 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 5407 |
| | Mdt | 1552 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | |
| | MBd | 6347 | 27 | NO-BBd | 0,85 | Jri | 0,000 | | |
| | NO-Bdr* | 2,31 | 1,55 | | | krr | 0,5 | | |
| | Ms | 3301 | 21 | Bs>1,5 | 1,51 | krb | 0,5 | Gj | 0 |
| | MBs | 4992 | 32 | BBs>1 | 1,08 | krt | 4,0 | kn | 4E-05 |
| | Bs*>1,5 | 1,64 | 1,64 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 67% | 1 | 24 | x | B70x64 | x | x | x |
| | uus | 100% | 13 | | | | | | |
| | | D1= | 24 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| M | Sg 100L-4B-M | | | | | | | | 100L |
| 1 | 1 | výstup | vstup | Kp | 1,20 | Mr | | Pt | x |
| | Pr | 3,5 | 3,6 | | | Md | | P | 3 |
| | P | 3,5 | 3,5 | kM | 1,14 | Mb | | n | x |
| | n | 1490 | 1490 | PŘETÁČÍME- Hz | | Mt | | nk | 1400 |
| | Mdr | 22 | 23 | Bdr>0,8 | 0,88 | Mrr | 0 | Mjr | 20,17 |
| | Md | 22 | 22 | NO-Bd | 0,90 | Mrb | 0 | Mjd | 20,17 |
| | Mdb | 6 | 7 | | | Mrt | 4 | Mjs | 20,17 |
| | Mdt | 7 | 10 | | | Ji | 0,0058 | P* | 3 |
| | MBd | 27 | 31 | | | Jri | 0,006 | | |
| | Bdr*>0,8 | 0,90 | 0,88 | | | krr | 78,0 | | |
| | Ms | 21 | 21 | | | krb | 78,0 | Gj | 24 |
| | MBs | 32 | 32 | | | krt | 624,0 | kn | 1 |
| DWB | Bs* | 0,95 | 0,95 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 28 | x | 24 | x | x | x |
| IDW | uus | 100% | 13 | | | | | | |
| | | D1= | 28 | mm | | | | | |

**Frekvenční měnič**

| | | | původní hodnoty | |
|---|---|---|---|---|
| I | 9 | A | 6,4 | UPRAVENÝ PROUD--MENŠÍ VÝKON |
| U | 420 | V | 400 | 8 |
| f | 52,5 | Hz | 50 | UPRAVENÁ FREKVENCE-VĚTŠÍ OTÁČKY |
| p | 2 | | 2 | |
| cos ϕ | 0,82 | | 0,82 | |
| ns | 1575 | min-1 | 1500 | |
| n | 1491 | min-1 | 1420 | |
| s | 0,0533 | | 0,0533 | |
| k | 2,7 | | 2,7 | |
| uu | 83,0% | | 83,0% | |
| Mz | 54,5 | Nm | | |
| Mj | 28,5 | Nm | 20,17 | 1,9081 |
| | | | | |
| P1 | 5,37 | kW | 3,64 | |
| P | 4,46 | kW | 3,02 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SH | | | | | | | | | |
| 3 | 1 | výstup | vstup | | | Mr | | Pt | x |
| AA | Pr | 3,5 | 3,5 | | | Md | | P | x |
| | P | 3,5 | 3,5 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| | Mdr | 22 | 22 | NO-Bdr | 0,76 | Mrr | 0,00 | Mjr | 17 |
| | Md | 22 | 22 | NO-Bd | 0,76 | Mrb | 0,00 | Mjd | 17 |
| | Mdb | 6 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 34 |
| | Mdt | 7 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | x |
| | MBd | 27 | 27 | BBd>1 | 1,25 | Jri | 0,000 | | x |
| | NO-Bdr* | 1,52 | 1,52 | | | krr | 78,0 | | x |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | x |
| | MBs | 32 | 32 | BBs>1 | 1,06 | krt | 624,0 | kn | 1,00 |
| | Bs*>1,5 | 1,61 | 1,61 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 20 | x | 24 | x | x | x |
| | uus | 100% | 13 | | | | | | |
| | | D2= | 20 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SH | | | | | | | | | |
| 20 | 1 | výstup | vstup | | | Mr | | Pt | x |
| | Pr | 3,5 | 3,5 | | | Md | | P | x |
| | P | 3,5 | 3,5 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| | Mdr | 22 | 22 | Bdr>1 | 220,73 | Mrr | 0,00 | Mjr | 4950 |
| | Md | 22 | 22 | Bd>1 | 221,83 | Mrb | 0,00 | Mjd | 4950 |
| | Mdb | 6 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 9900 |
| | Mdt | 7 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | x |
| | MBd | 27 | 27 | BBd>1 | 363,20 | Jri | 0,000 | | x |
| | Bdr*>2 | 441,46 | 441,46 | | | krr | 78,0 | | x |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | x |
| | MBs | 32 | 32 | BBs>1 | 309,38 | krt | 624,0 | kn | 1 |
| | Bs*>1,5 | 467,90 | 467,90 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 18 | x | 28 | x | x | x |
| | uus | 100% | 13 | | | | | | |
| | | D1= | 18 | mm | | | | | |

Nord
Fb 2,2
Mjs 10890

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| R | | | | | | | | | |
| 3 | 1 | výstup | vstup | vskut= | 0,100 | Mr | | Pt | x |
| | Pr | 3,5 | 3,5 | | | Md | | P | x |
| | P | 3,5 | 3,5 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| D3= | Mdr | 22 | 22 | Bdr>1 | 5,84 | Mrr | 0,00 | Mjr | 131 |
| | Md | 22 | 22 | Bd>1 | 3,90 | Mrb | 0,00 | Mjd | 87 |
| 20 | Mdb | 6 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 174 |
| | Mdt | 7 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | |
| | MBd | 27 | 27 | BBd>1 | 6,38 | Jri | 0,000 | | |
| | Bdr*>2 | 7,76 | 7,76 | | | krr | 78,0 | | |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | 5 |
| | MBs | 32 | 32 | BBs>1 | 5,44 | krt | 624,0 | kn | 1 |
| | Bs*>1,5 | 8,22 | 8,22 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 20 | 20 | 20 | 20 | x | x |
| | uus | 100% | 1234 | 100% | 100% | 0% | 0% | | |
| | | D4= | 20 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SH | | | | | | | | | |
| 15 | 1 | výstup | vstup | | | Mr | | Pt | x |
| | Pr | 3,5 | 3,5 | | | Md | | P | x |
| | P | 3,5 | 3,5 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| D1= | Mdr | 22 | 22 | Bdr>1 | 31,21 | Mrr | 0,00 | Mjr | 700 |
| | Md | 22 | 22 | Bd>1 | 31,37 | Mrb | 0,00 | Mjd | 700 |
| 20 | Mdb | 6 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 900 |
| | Mdt | 7 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | x |
| | MBd | 27 | 27 | BBd>1 | 33,02 | Jri | 0,000 | | x |
| | Bdr*>2 | 40,13 | 40,13 | | | krr | 78,0 | | x |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | x |
| | MBs | 32 | 32 | BBs>1 | 28,13 | krt | 624,0 | kn | 1 |
| | Bs*>1,5 | 42,54 | 42,54 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 20 | x | 18 | x | x | x |
| | uus | 100% | 13 | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| R | | | | | | | | | |
| 4 | 1 | výstup | vstup | | | Mr | | Pt | x |
| | Pr | 3,5 | 3,50 | | | Md | | P | |
| | P | 3,5 | 3,5 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| D2= | Mdr | 22 | 22 | Bdr>1 | 5,22 | Mrr | 0,00 | Mjr | 117 |
| | Md | 22 | 22 | Bd>1 | 3,50 | Mrb | 0,00 | Mjd | 78 |
| 18 | Mdb | 6 | 6 | Bdb>1,5 | 4,23 | Mrt | 0,00 | Mjs | 156 |
| | Mdt | 7 | 7 | Bdt>1 | 4,09 | Ji | 0,000 | | |
| | MBd | 27 | 27 | BBd>1 | 5,72 | Jri | 0,000 | | |
| | Bdr*>2 | 6,96 | 6,96 | | | krr | 78,0 | | |
| | Ms | 21 | 21 | Bs>1,5 | 1,51 | krb | 78,0 | Gj | 8 |
| | MBs | 32 | 32 | BBs>1 | 4,88 | krt | 624,0 | kn | 1 |
| | Bs*>1,5 | 7,37 | 7,37 | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 18 | 18 | 18 | 18 | x | x |
| | uus | 100% | 124 | 100% | 100% | | 0% | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SH | | | | | | | | | |
| 16 | 1 | výstup | vstup | | | Mr | | Pt | x |
| | Pr | 0,0 | 0,0 | | | Md | | P | x |
| | P | 0,0 | 0,0 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| D4= | Mdr | 0 | 0 | ###### | ###### | Mrr | 0,00 | Mjr | 700 |
| | Md | 0 | 0 | ###### | ###### | Mrb | 0,00 | Mjd | 700 |
| 18 | Mdb | 0 | 0 | ###### | ###### | Mrt | 0,00 | Mjs | 900 |
| | Mdt | 0 | 0 | ###### | ###### | Ji | 0,000 | | x |
| | MBd | 0 | 0 | ###### | ###### | Jri | 0,000 | | x |
| | ###### | ###### | ###### | | | krr | 78,0 | | x |
| | Ms | 0 | 0 | ###### | ###### | krb | 78,0 | Gj | x |
| | MBs | 0 | 0 | ###### | ###### | krt | 624,0 | kn | 1 |
| | ###### | ###### | ###### | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | 18 | x | 20 | x | x | x |
| | uus | 100% | 13 | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SH | | | | | | | | | |
| 9 | 1 | výstup | vstup | | | Mr | | Pt | x |
| | Pr | 0,0 | 0,0 | | | Md | | P | x |
| | P | 0,0 | 0,0 | | | Mb | | nk | x |
| | n | 1490 | 1490 | | | Mt | | n | x |
| | Mdr | 0 | 0 | ###### | ###### | Mrr | 0,00 | Mjr | 160 |
| | Md | 0 | 0 | ###### | ###### | Mrb | 0,00 | Mjd | 160 |
| | Mdb | 0 | 0 | ###### | ###### | Mrt | 0,00 | Mjs | 320 |
| | Mdt | 0 | 0 | ###### | ###### | Ji | 0,000 | | x |
| | MBd | 0 | 0 | ###### | ###### | Jri | 0,000 | | x |
| | ###### | ###### | ###### | | | krr | 78,0 | | x |
| | Ms | 0 | 0 | ###### | ###### | krb | 78,0 | Gj | x |
| | MBs | 0 | 0 | ###### | ###### | krt | 624,0 | kn | 1 |
| | ###### | ###### | ###### | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 100% | 1 | x | x | x | x | x | x |
| | uus | 100% | 13 | | | | | | |
| | | D1= | 24 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PP | FRS130_i=40/SXA10038G628_i=3,9 | | | | | | | | |
| 9 | 156 | výstup | vstup | | 0 | Mr | | Pt | 10 |
| | Pr | 0,0 | 0,0 | | 0 | Md | | P | x |
| | P | 0,0 | 0,0 | | 0 | Mb | | nk | 3500 |
| | n | 10 | 1490 | | 0 | Mt | | n | x |
| | Mdr | 0 | 0 | ###### | ###### | Mrr | 0,00 | Mjr | 2801 |
| | Md | 0 | 0 | ###### | ###### | Mrb | 0,00 | Mjd | 2801 |
| | Mdb | 0 | 0 | ###### | ###### | Mrt | 0,00 | Mjs | 5407 |
| | Mdt | 0 | 0 | ###### | ###### | Ji | 0,000 | | 0 |
| | MBd | 0 | 0 | ###### | ###### | Jri | 0,000 | | 0 |
| | ###### | ###### | ###### | | | krr | 0,5 | | 0 |
| | Ms | 0 | 0 | ###### | ###### | krb | 0,5 | Gj | 0 |
| | MBs | 0 | 0 | ###### | ###### | krt | 4,0 | kn | 4E-05 |
| | ###### | ###### | ###### | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 67% | 1 | 24 | x | B70x64 | x | x | x |
| | uus | 100% | 13 | | | | | | |
| | | D3= | B70x64 | mm | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LL | LL2 10-M2 | | | | | | | | |
| 9 | 1 | výstup | vstup | p | 100 | Mr | 0 | Pt | x |
| | Pr | 0,0 | 0,0 | | | Md | 0 | P | x |
| | P | 0,0 | 0,0 | | | Mb | 0 | nk | x |
| | n | 9,5 | 9,5 | | | Mt | 0 | n | x |
| | Mdr | 0 | 0 | ###### | ###### | Mrr | 0,00 | Mjr | 75000 |
| | Md | 0 | 0 | ###### | ###### | Mrb | 0,00 | Mjd | 75000 |
| | Mdb | 0 | 0 | ###### | ###### | Mrt | 0,00 | Mjs | 130000 |
| | Mdt | 0 | 0 | ###### | ###### | Ji | 0,000 | | 0 |
| | MBd | 0 | 0 | ###### | ###### | Jri | 0,000 | | 0 |
| | ###### | ###### | ###### | | | krr | 0,5 | FT | 200 |
| | Ms | 0 | 0 | ###### | ###### | krb | 0,5 | Gj | 0 |
| | MBs | 0 | 0 | ###### | ###### | krt | 4,0 | kn | 0,000 |
| | ###### | ###### | ###### | d1 | d2 | d3 | d4 | d5 | d6 |
| | uud | 80% | 1 | B70x64 | x | x | x | x | x |
| | uus | 100% | 1 | | | | | | |

| | | |
|---|---|---|
| 0% | vstup | |
| ZD | 0 | kg |
| ZS | 0 | kg |
| Mv | 0 | kg |
| Mvk | 0 | kg |
| FDr | 0 | N |
| FD | 0 | N |
| FDb | 0 | N |
| FDt | 0 | N |
| FT | 0 | kN |

**Vysvětlivky:**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ZD | zatížení dynamické | kg | Tr | doba pro rozběh | s | ar | zrychlení při rozběhu | m/s2 |
| ZS | zatížení statické | kg | Tb | doba pro zastavení | s | ab | zrychlení při zastavení | m/s2 |
| Mv | mrtvá zvedaná váha | kg | Tt | doba pro brždění při Stopu | s | at | zrychlení při Stopu | m/s2 |
| | | | | | | Cuud | celková účinnost dynamická | |
| | | | | | | Cuus | celková účinnost statická | |
| Pr | výkon pro rozjezd výpočtový od zátěže | kW | Pt | výkon termický komponenty | kW | Mr/Md/Mb/Mt/Mrr/Mrb/Mrt | pomocné výpočty momentů | |
| P | výkon pracovní výpočtový od zátěže | kW | P | výkon jmenovitý komponenty | kW | Ji/Jri/krr/krb/krt/kn | pomocné výpočty setrvačnosti | |
| n | otáčky | min-1 | n | otáčky jmenovité komponenty | min-1 | FDr/FD/FDb/FDt/FT | pomocné výpočty sil | |
| Mdr | moment při rozjezdu výpočtový od zátěže | Nm | nk | otáčky kritické komponenty | min-1 | Mdb/Mdt/Ms | pomocné výpočty momentů pro brzdu | |
| Md | moment pracovní výpočtový od zátěže | Nm | Mjr | moment jmenovitý pro rozběh komponenty | Nm | | | |
| Mdb | moment při brždění výpočtový od zátěže | Nm | Mjd | moment jmenovitý pracovní komponenty | Nm | BB | koeficient bezpečnosti brzdy | |
| Mdt | moment při Stop výpočtový od zátěže | Nm | Mjs | moment jmenovitý maximální komponenty | Nm | | | |
| MBd | moment při brždění výpočtový od navržené brzdy | Nm | P* | výkon navrhovaný výpočtový | kW | Kp | koeficient výkonového přetížení elektromotoru | |
| Bdr* | koeficient bezpečnosti dynamický při rozjezdu | - | Gj | váha komponenty | kg | kM | koeficient momentového přetížení elektromotoru | |
| Ms | moment statický výpočtový od zátěže | Nm | d1-d6 | průměry hřídelí komponenty | mm | | | |
| MBs | moment v klidu výpočtový od navržené brzdy | Nm | | | | | | |
| Bs* | koeficient bezpečnosti statický v klidu | - | | | | | | |
| uud | účinnost dynamická | % | Mjs* | navrhovaný výpočtový brzdný moment | Nm | | | |
| uus | účinnost statická | % | | | | | | |