|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p |
| 30 | 970 | 2,8 | номинальный 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 |
| M(0,8U1), Н\*м | 242,1601406 | 265,9574605 | 294,702364 | 329,984917 | 374,037495 | 429,912333 | 501,227545 | 589,210338 | 674,823697 | 626,198591 | 0 |
| I'2(0,8U1), А | 247,8811774 | 246,444746 | 244,584552 | 242,096374 | 238,630205 | 233,543172 | 225,548364 | 211,781503 | 185,055663 | 126,051571 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p | r'доб, Ом |
| 30 | 970 | 2,8 | номинальный 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 | 0,36 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 |
| 0,5ω, об/сек | 0 | 5,25 | 10,5 | 15,5 | 21 | 26 | 31,5 | 36,5 | 42 | 47 | 52,35 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 |
| M(0,5ω+r'доб), Н\*м | 812,0468772 | 834,8253434 | 852,031361 | 859,904068 | 852,993691 | 823,703421 | 762,088853 | 656,48284 | 495,863001 | 274,768559 | 0 |
| I'2(0,5ω+r'доб), А | 245,5190475 | 236,1640062 | 224,94038 | 211,382321 | 194,914063 | 174,849775 | 150,42757 | 120,911318 | 85,8006327 | 45,1625191 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p | k, U1/f1=k |
| 30 | 970 | 2,8 | 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 | 4,4 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,3) | Mп, Н\*м | 302,7001758 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 | 73 | Mк, Н\*м | 859,9855727 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 | 736,5129222 | Sк | 0,303657767 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 | 264,726879 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U1/f1=k,f1=40Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,125) | Mп, Н\*м | 106,7007371 |
| ω, об/сек | 0 | 8,4 | 17 | 25 | 34 | 42 | 50 | 59 | 67 | 76 | 84 | 73,5 | Mк, Н\*м | 471,8720407 |
| M(40Гц), Н\*м | 106,7007371 | 117,9487752 | 131,799881 | 149,249344 | 171,849847 | 202,130067 | 244,37301 | 305,816093 | 395,199109 | 471,433876 | 0 | 372,2407793 | Sк | 0,125257037 |
| I'2(40Гц), А | 164,5416811 | 164,1195028 | 163,566636 | 162,816141 | 161,749304 | 160,137367 | 157,488496 | 152,574872 | 141,616937 | 109,371108 | 0 | 121,4826362 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1=k,f1=30Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,1569) | Mп, Н\*м | 105,9560083 |
| ω, об/сек | 0 | 6,3 | 12,6 | 18,9 | 25,2 | 31,5 | 37,8 | 44,1 | 50,4 | 56,7 | 63 | 53,1153 | Mк, Н\*м | 402,8700984 |
| M(30Гц), Н\*м | 105,9560083 | 116,9313593 | 130,380758 | 147,212417 | 168,809606 | 197,341888 | 236,245319 | 290,488257 | 362,030152 | 396,441847 | 0 | 166,8144028 | Sк | 0,156946796 |
| I'2(30Гц), А | 141,9991178 | 141,5173234 | 140,888192 | 140,037417 | 138,83439 | 137,030579 | 134,101752 | 128,779807 | 117,384356 | 86,8585545 | 0 | 99,18046985 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1=k,f1=20Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2) | Mп, Н\*м | 91,90964118 |
| ω, об/сек | 0 | 4,2 | 8,4 | 12,6 | 16,8 | 21 | 25,2 | 29,4 | 33,6 | 37,8 | 42 | 33,6 | Mк, Н\*м | 303,1373804 |
| M(20Гц), Н\*м | 91,90964118 | 101,2235079 | 112,568102 | 126,65024 | 144,512642 | 167,708185 | 198,463683 | 239,191548 | 286,698248 | 289,351823 | 0 | 286,6982478 | Sк | 0,203834812 |
| I'2(20Гц), А | 107,983589 | 107,5076005 | 106,888231 | 106,054537 | 104,883161 | 103,142904 | 100,357016 | 95,4137059 | 85,2913011 | 60,5885186 | 0 | 85,29130111 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1=k,f1=10Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2658) | Mп, Н\*м | 56,0895846 |
| ω, об/сек | 0 | 2,1 | 4,2 | 6,3 | 8,4 | 10,5 | 12,6 | 14,7 | 16,8 | 18,9 | 21 | 30,8364 | Mк, Н\*м | 166,0795428 |
| M(10Гц), Н\*м | 56,0895846 | 61,65394047 | 68,3923522 | 76,6917922 | 87,1042869 | 100,406284 | 117,582621 | 139,238237 | 161,561342 | 153,40217 | 0 | 29,4697819 | Sк | 0,265833126 |
| I'2(10Гц), А | 59,64902324 | 59,32857246 | 58,9129796 | 58,3560232 | 57,5781378 | 56,4322901 | 54,621521 | 51,4756821 | 45,2736957 | 31,1944962 | 0 | 49,84403312 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p | k, U1/(f1)^(1/2)=k |
|  | 30 | 970 | 2,8 | номинальный 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 | 31,11 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Естественная характеристика | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,3) | Mп, Н\*м | 302,7001758 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 | 73 | Mк, Н\*м | 859,9855727 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 | 736,5129222 | Sк | 0,303657767 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 | 264,726879 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^(1/2)=k,f1=40Гц |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,125) | Mп, Н\*м | 5334,111493 |
| ω, об/сек | 0 | 8,4 | 17 | 25 | 34 | 42 | 50 | 59 | 67 | 76 | 84 | 73,5 | Mк, Н\*м | 23589,50972 |
| M(40Гц), Н\*м | 5334,111493 | 5896,415846 | 6588,85102 | 7461,17285 | 8591,00199 | 10104,7504 | 12216,5312 | 15288,1524 | 19756,5281 | 23567,6053 | 0 | 18608,8107 | Sк | 0,125257037 |
| I'2(40Гц), А | 1163,384477 | 1160,399485 | 1156,49047 | 1151,18412 | 1143,6411 | 1132,24397 | 1113,51525 | 1078,7737 | 1001,29612 | 773,303451 | 0 | 858,9374573 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^(1/2)=k,f1=30Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,1569) | Mп, Н\*м | 5296,881509 |
| ω, об/сек | 0 | 6,3 | 12,6 | 18,9 | 25,2 | 31,5 | 37,8 | 44,1 | 50,4 | 56,7 | 63 | 53,1153 | Mк, Н\*м | 20140,01102 |
| M(30Гц), Н\*м | 5296,881509 | 5845,553875 | 6517,90719 | 7359,34413 | 8439,01632 | 9865,38294 | 11810,2171 | 14521,8936 | 18098,3679 | 19818,6542 | 0 | 8339,273437 | Sк | 0,156946796 |
| I'2(30Гц), А | 1003,998308 | 1000,591802 | 996,14356 | 990,128195 | 981,622242 | 968,868482 | 948,160345 | 910,531771 | 829,960753 | 614,129461 | 0 | 701,2510039 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^(1/2)=k,f1=20Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2) | Mп, Н\*м | 4594,684971 |
| ω, об/сек | 0 | 4,2 | 8,4 | 12,6 | 16,8 | 21 | 25,2 | 29,4 | 33,6 | 37,8 | 42 | 33,6 | Mк, Н\*м | 15154,24005 |
| M(20Гц), Н\*м | 4594,684971 | 5060,297533 | 5627,42885 | 6331,41364 | 7224,37879 | 8383,95482 | 9921,46299 | 11957,503 | 14332,426 | 14465,0817 | 0 | 14332,42599 | Sк | 0,203834812 |
| I'2(20Гц), А | 763,4930575 | 760,127603 | 755,748375 | 749,853782 | 741,571622 | 729,267214 | 709,569723 | 674,618271 | 603,048268 | 428,388367 | 0 | 603,0482676 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^(1/2)=k,f1=10Гц |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2658) | Mп, Н\*м | 2803,992792 |
| ω, об/сек | 0 | 2,1 | 4,2 | 6,3 | 8,4 | 10,5 | 12,6 | 14,7 | 16,8 | 18,9 | 21 | 30,8364 | Mк, Н\*м | 8302,53681 |
| M(10Гц), Н\*м | 2803,992792 | 3082,162328 | 3419,02448 | 3833,9245 | 4354,45893 | 5019,44344 | 5878,11133 | 6960,70431 | 8076,66593 | 7668,77812 | 0 | 1473,233518 | Sк | 0,265833126 |
| I'2(10Гц), А | 421,7457075 | 419,4799748 | 416,541545 | 412,603609 | 407,103606 | 399,001942 | 386,198981 | 363,95647 | 320,105608 | 220,559267 | 0 | 352,4199705 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p | k, U1/f1^2=k |
| 30 | 970 | 2,8 | номинальный 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 | 0,088 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Естественная характеристика | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,3) | Mп, Н\*м | 302,7001758 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 | 73 | Mк, Н\*м | 859,9855727 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 | 736,5129222 | Sк | 0,303657767 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 | 264,726879 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^2=k,f1=40Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,125) | Mп, Н\*м | 0,042680295 |
| ω, об/сек | 0 | 8,4 | 17 | 25 | 34 | 42 | 50 | 59 | 67 | 76 | 84 | 73,5 | Mк, Н\*м | 0,188748816 |
| M(40Гц), Н\*м | 0,042680295 | 0,04717951 | 0,05271995 | 0,05969974 | 0,06873994 | 0,08085203 | 0,0977492 | 0,12232644 | 0,15807964 | 0,18857355 | 0 | 0,148896312 | Sк | 0,125257037 |
| I'2(40Гц), А | 3,290833622 | 3,282390056 | 3,27133273 | 3,25632281 | 3,23498608 | 3,20274734 | 3,14976992 | 3,05149745 | 2,83233874 | 2,18742217 | 0 | 2,429652724 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^2=k,f1=30Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,1569) | Mп, Н\*м | 0,042382403 |
| ω, об/сек | 0 | 6,3 | 12,6 | 18,9 | 25,2 | 31,5 | 37,8 | 44,1 | 50,4 | 56,7 | 63 | 53,1153 | Mк, Н\*м | 0,161148039 |
| M(30Гц), Н\*м | 0,042382403 | 0,046772544 | 0,0521523 | 0,05888497 | 0,06752384 | 0,07893676 | 0,09449813 | 0,1161953 | 0,14481206 | 0,15857674 | 0 | 0,066725761 | Sк | 0,156946796 |
| I'2(30Гц), А | 2,839982356 | 2,830346467 | 2,81776385 | 2,80074835 | 2,7766878 | 2,74061158 | 2,68203505 | 2,57559614 | 2,34768712 | 1,73717109 | 0 | 1,983609397 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^2=k,f1=20Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2) | Mп, Н\*м | 0,036763856 |
| ω, об/сек | 0 | 4,2 | 8,4 | 12,6 | 16,8 | 21 | 25,2 | 29,4 | 33,6 | 37,8 | 42 | 33,6 | Mк, Н\*м | 0,121254952 |
| M(20Гц), Н\*м | 0,036763856 | 0,040489403 | 0,04502724 | 0,0506601 | 0,05780506 | 0,06708327 | 0,07938547 | 0,09567662 | 0,1146793 | 0,11574073 | 0 | 0,114679299 | Sк | 0,203834812 |
| I'2(20Гц), А | 2,159671779 | 2,150152011 | 2,13776461 | 2,12109074 | 2,09766322 | 2,06285808 | 2,00714033 | 1,90827412 | 1,70582602 | 1,21177037 | 0 | 1,705826022 |  |  |
|  | | | | | | | | | | | | | | |
| U1/f1^2=k,f1=10Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2658) | Mп, Н\*м | 0,022435834 |
| ω, об/сек | 0 | 2,1 | 4,2 | 6,3 | 8,4 | 10,5 | 12,6 | 14,7 | 16,8 | 18,9 | 21 | 30,8364 | Mк, Н\*м | 0,066431817 |
| M(10Гц), Н\*м | 0,022435834 | 0,024661576 | 0,02735694 | 0,03067672 | 0,03484171 | 0,04016251 | 0,04703305 | 0,05569529 | 0,06462454 | 0,06136087 | 0 | 0,011787913 | Sк | 0,265833126 |
| I'2(10Гц), А | 1,192980465 | 1,186571449 | 1,17825959 | 1,16712046 | 1,15156276 | 1,1286458 | 1,09243042 | 1,02951364 | 0,90547391 | 0,62388992 | 0 | 0,996880662 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Двигатель: МТВ412-6 | Pн, кВт | nн, об/мин | Mm/Mn | cosϕ | Iс.н., А | Iс.х., А | rc, Ом | xc, Ом | Eр.н., В | Iр.н., А | rp, А | xр, Ом | ke | r'2, Ом | x'2, Ом | U, В | ω0, рад/сек | p | U=const |
| 30 | 970 | 2,8 | номинальный 0,73 | 70,5 | 42 | 0,125 | 0,23 | 259 | 72 | 0,055 | 0,225 | 1,4 | 0,11 | 0,44 | 220 | 104,7 | 3 |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Естественная характеристика | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,3) | Mп, Н\*м | 302,7001758 |
| ω, об/сек | 0 | 10,5 | 21 | 31 | 42 | 52 | 63 | 73 | 84 | 94 | 104,7 | 73 | Mк, Н\*м | 859,9855727 |
| M(ест), Н\*м | 302,7001758 | 332,4468257 | 368,377955 | 412,481147 | 467,546868 | 537,390416 | 626,534431 | 736,512922 | 843,529621 | 782,748239 | 0 | 736,5129222 | Sк | 0,303657767 |
| I'2(ест), А | 309,8514717 | 308,0559324 | 305,73069 | 302,620468 | 298,287757 | 291,928965 | 281,935455 | 264,726879 | 231,319579 | 157,564464 | 0 | 264,726879 |  |  |
|  | | | | | | | | | | | | | | |
| U=const, f1=40Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,125) | Mп, Н\*м | 166,7199018 |
| ω, об/сек | 0 | 8,4 | 17 | 25 | 34 | 42 | 50 | 59 | 67 | 76 | 84 | 73,5 | Mк, Н\*м | 737,3000637 |
| M(40Гц), Н\*м | 166,7199018 | 184,2949612 | 205,937314 | 233,2021 | 268,515386 | 315,82823 | 381,832828 | 477,837645 | 617,498608 | 736,615432 | 0 | 581,6262177 | Sк | 0,125257037 |
| I'2(40Гц), А | 205,6771014 | 205,1493785 | 204,458296 | 203,520176 | 202,18663 | 200,171708 | 196,86062 | 190,71859 | 177,021171 | 136,713886 | 0 | 151,8532952 |  |  |
|  | | | | | | | | | | | | | | |
| U=const, f1=30Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,1569) | Mп, Н\*м | 294,3222453 |
| ω, об/сек | 0 | 6,3 | 12,6 | 18,9 | 25,2 | 31,5 | 37,8 | 44,1 | 50,4 | 56,7 | 63 | 53,1153 | Mк, Н\*м | 1119,083607 |
| M(30Гц), Н\*м | 294,3222453 | 324,8093314 | 362,168773 | 408,923379 | 468,915573 | 548,171911 | 656,236996 | 806,911824 | 1005,63931 | 1101,22735 | 0 | 463,373341 | Sк | 0,156946796 |
| I'2(30Гц), А | 236,6651963 | 235,8622056 | 234,813654 | 233,395696 | 231,39065 | 228,384299 | 223,502921 | 214,633011 | 195,640593 | 144,764257 | 0 | 165,3007831 |  |  |
|  | | | | | | | | | | | | | | |
| U=const, f1=20Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2) | Mп, Н\*м | 574,4352573 |
| ω, об/сек | 0 | 4,2 | 8,4 | 12,6 | 16,8 | 21 | 25,2 | 29,4 | 33,6 | 37,8 | 42 | 33,6 | Mк, Н\*м | 1894,608627 |
| M(20Гц), Н\*м | 574,4352573 | 632,6469244 | 703,550637 | 791,564002 | 903,20401 | 1048,17616 | 1240,39802 | 1494,94717 | 1791,86405 | 1808,44889 | 0 | 1791,864049 | Sк | 0,203834812 |
| I'2(20Гц), А | 269,9589724 | 268,7690014 | 267,220576 | 265,136342 | 262,207902 | 257,85726 | 250,892541 | 238,534265 | 213,228253 | 151,471296 | 0 | 213,2282528 |  |  |
|  | | | | | | | | | | | | | | |
| U=const, f1=10Гц | | | | | | | | | | | | | | |
| S | 1 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,3 | 0,2 | 0,1 | 0 | Sк(0,2658) | Mп, Н\*м | 1402,239615 |
| ω, об/сек | 0 | 2,1 | 4,2 | 6,3 | 8,4 | 10,5 | 12,6 | 14,7 | 16,8 | 18,9 | 21 | 30,8364 | Mк, Н\*м | 4151,988569 |
| M(10Гц), Н\*м | 1402,239615 | 1541,348512 | 1709,80881 | 1917,29481 | 2177,60717 | 2510,15711 | 2939,56554 | 3480,95593 | 4039,03354 | 3835,05425 | 0 | 736,7445474 | Sк | 0,265833126 |
| I'2(10Гц), А | 298,2451162 | 296,6428623 | 294,564898 | 291,780116 | 287,890689 | 282,16145 | 273,107605 | 257,37841 | 226,368479 | 155,972481 | 0 | 249,2201656 |  |  |