

характеристики VRL

| Тип редуктора         | Мощность электродвигателя, кВт | Обороты на выходе, (n2) | Крутящий момент на выходе редуктора, (Н/м) | Передаточное число, (i) | Максимально допустимая радиальная нагрузка, (N) | Сервис фактор, (fs) | Вес, (кг)* |
|-----------------------|--------------------------------|-------------------------|--|-------------------------|---|---------------------|------------|
| <b>3 000 об./мин.</b> |                                |                         |  |                         |   |                     |            |
| VRL(F)120             | 2.2                            | 117                     | 179  | 23.28                   | 3280  | 1.70                | 44.5       |
|                       | 2.2                            | 125                     | 168  | 21.81                   | 3230  | 1.80                |            |
|                       | 2.2                            | 142                     | 148  | 19.27                   | 3150  | 2.0                 |            |
|                       | 2.2                            | 153                     | 138  | 17.89                   | 3100  | 2.1                 |            |
|                       | 2.2                            | 168                     | 125  | 16.22                   | 3030  | 2.2                 |            |
|                       | 2.2                            | 187                     | 112  | 14.56                   | 2950  | 2.4                 |            |
|                       | 2.2                            | 218                     | 97   | 12.54                   | 2850  | 2.6                 |            |
|                       | 2.2                            | 231                     | 91   | 11.79                   | 2800  | 2.7                 |            |
|                       | 2.2                            | 269                     | 78   | 10.15                   | 2700  | 2.9                 |            |
|                       | 2.2                            | 301                     | 70   | 9.07                    | 2620  | 3.2                 |            |
| 2.2                   | 341                            | 62                      | 8.01                                       | 2530                    | 3.3   |                     |            |
| VRL(F)120             | 3                              | 237                     | 121  | 11.79                   | 2670  | 2.1                 | 46         |
|                       | 3                              | 276                     | 104  | 10.15                   | 2580  | 2.2                 |            |
|                       | 3                              | 309                     | 93   | 9.07                    | 2510  | 2.4                 |            |
|                       | 3                              | 349                     | 82   | 8.01                    | 2430  | 2.5                 |            |
|                       | 3                              | 361                     | 79   | 7.76                    | 2370  | 2.1                 |            |
|                       | 3                              | 402                     | 71   | 6.96                    | 2310  | 2.3                 |            |
|                       | 3                              | 467                     | 61   | 6.00                    | 2220  | 2.5                 |            |
|                       | 3                              | 496                     | 58   | 5.64                    | 2190  | 2.7                 |            |
|                       | 3                              | 577                     | 50   | 4.85                    | 2100  | 3.0                 |            |
|                       | 3                              | 646                     | 44   | 4.34                    | 2040  | 3.3                 |            |
| 3                     | 731                            | 39                      | 3.83                                       | 1970                    | 3.7   |                     |            |
| VRL(F)120             | 4                              | 176                     | 215  | 16.22                   | 2640  | 1.25                | 52         |
|                       | 4                              | 196                     | 195  | 14.56                   | 2600  | 1.35                |            |
|                       | 4                              | 228                     | 168  | 12.54                   | 2540  | 1.50                |            |
|                       | 4                              | 242                     | 158  | 11.79                   | 2510  | 1.55                |            |
|                       | 4                              | 282                     | 136  | 10.15                   | 2440  | 1.70                |            |
|                       | 4                              | 315                     | 121  | 9.07                    | 2390  | 1.80                |            |
|                       | 4                              | 357                     | 107  | 8.01                    | 2320  | 1.80                |            |
|                       | 4                              | 369                     | 104  | 7.76                    | 2250  | 1.85                |            |
|                       | 4                              | 411                     | 93   | 6.96                    | 2200  | 1.95                |            |
|                       | 4                              | 477                     | 80   | 6.00                    | 2130  | 2.0                 |            |
|                       | 4                              | 507                     | 75   | 5.64                    | 2100  | 2.1                 |            |
|                       | 4                              | 589                     | 65   | 4.85                    | 2020  | 2.3                 |            |
| 4                     | 660                            | 58                      | 4.34                                       | 1970                    | 2.5   |                     |            |
| 4                     | 746                            | 51                      | 3.83                                       | 1910                    | 2.8   |                     |            |
| VRL(F)120             | 5.5                            | 230                     | 230  | 12.54                   | 1730  | 1.10                | 70.5       |
|                       | 5.5                            | 244                     | 215  | 11.79                   | 1910  | 1.15                |            |
|                       | 5.5                            | 284                     | 185  | 10.15                   | 2250  | 1.25                |            |
|                       | 5.5                            | 318                     | 165  | 9.07                    | 2220  | 1.35                |            |
|                       | 5.5                            | 359                     | 146  | 8.01                    | 2170  | 1.40                |            |
|                       | 5.5                            | 480                     | 109  | 6.00                    | 2000  | 1.45                |            |
|                       | 5.5                            | 511                     | 103  | 5.64                    | 1970  | 1.50                |            |
|                       | 5.5                            | 593                     | 89   | 4.85                    | 1920  | 1.70                |            |
|                       | 5.5                            | 664                     | 79   | 4.34                    | 1870  | 1.85                |            |
| 5.5                   | 752                            | 70                      | 3.83                                       | 1820                    | 2.1   |                     |            |
| <b>1 500 об./мин.</b> |                                |                         |  |                         |   |                     |            |
| VRL(F)120             | 0.12                           | 7.8                     | 147  | 176.88                  | 6000  | 2.00                | 23.7       |
|                       | 0.12                           | 8.5                     | 135  | 162.94                  | 6030  | 2.20                |            |
|                       | 0.12                           | 9.9                     | 116  | 139.99                  | 6070  | 2.60                |            |
|                       | 0.12                           | 11                      | 101  | 121.87                  | 6100  | 3.00                |            |
|                       | 0.12                           | 12                      | 95   | 114.17                  | 6110  | 3.20                |            |
|                       | 0.12                           | 14                      | 84   | 100.86                  | 6120  | 3.60                |            |
|                       | 0.12                           | 15                      | 78   | 93.68                   | 6130  | 3.90                |            |



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|---------------|--------------------------------|-------------------------|--|-------------------------|---|---------------------|------------|
| VRL(F)120     | 0.18                           | 7.5                     | 230  | 176.88                  | 5740  | 1.30                | 24.2       |
|               | 0.18                           | 8.1                     | 210  | 162.94                  | 5810  | 1.40                |            |
|               | 0.18                           | 9.4                     | 182  | 139.99                  | 5910  | 1.65                |            |
|               | 0.18                           | 11                      | 159  | 121.87                  | 5980  | 1.90                |            |
|               | 0.18                           | 12                      | 149  | 114.17                  | 6000  | 2.00                |            |
|               | 0.18                           | 13                      | 131  | 100.86                  | 6040  | 2.30                |            |
|               | 0.18                           | 14                      | 122  | 93.68                   | 6060  | 2.50                |            |
|               | 0.18                           | 16                      | 111  | 84.9                    | 6080  | 2.70                |            |
| VRL(F)120     | 0.25                           | 7.3                     | 325  | 176.88                  | 5280  | 0.90                | 26         |
|               | 0.25                           | 8.0                     | 300  | 162.94                  | 5420  | 1.00                |            |
|               | 0.25                           | 9.3                     | 255  | 139.99                  | 5630  | 1.15                |            |
|               | 0.25                           | 11                      | 225  | 121.87                  | 5770  | 1.35                |            |
|               | 0.25                           | 12                      | 210  | 114.17                  | 5820  | 1.45                |            |
|               | 0.25                           | 13                      | 185  | 100.86                  | 5900  | 1.60                |            |
|               | 0.25                           | 14                      | 172  | 93.68                   | 5940  | 1.75                |            |
|               | 0.25                           | 15                      | 156  | 84.9                    | 5980  | 1.90                |            |
|               | 0.25                           | 17                      | 140  | 76.23                   | 6020  | 2.10                |            |
|               | 0.25                           | 19                      | 126  | 68.54                   | 6050  | 2.40                |            |
|               | 0.25                           | 20                      | 118  | 64.21                   | 6070  | 2.50                |            |
|               | 0.25                           | 23                      | 104  | 56.73                   | 6090  | 2.90                |            |
| VRL(F)120     | 0.37                           | 9.9                     | 360  | 139.99                  | 3490  | 0.85                | 26.8       |
|               | 0.37                           | 11                      | 310  | 121.87                  | 5350  | 0.95                |            |
|               | 0.37                           | 12                      | 290  | 114.17                  | 5460  | 1.05                |            |
|               | 0.37                           | 14                      | 260  | 100.86                  | 5630  | 1.15                |            |
|               | 0.37                           | 15                      | 240  | 93.68                   | 5700  | 1.25                |            |
|               | 0.37                           | 16                      | 215  | 84.9                    | 5790  | 1.40                |            |
|               | 0.37                           | 18                      | 195  | 76.23                   | 5870  | 1.55                |            |
|               | 0.37                           | 20                      | 176  | 68.54                   | 5930  | 1.70                |            |
|               | 0.37                           | 21                      | 164  | 64.21                   | 5960  | 1.80                |            |
|               | 0.37                           | 24                      | 145  | 56.73                   | 6010  | 2.10                |            |
|               | 0.37                           | 26                      | 135  | 52.69                   | 5990  | 2.20                |            |
|               | 0.37                           | 29                      | 122  | 47.75                   | 5820  | 2.5                 |            |
|               | 0.37                           | 32                      | 110  | 42.87                   | 5650  | 2.7                 |            |
|               | 0.37                           | 37                      | 95   | 36.93                   | 5410  | 2.8                 |            |
|               | 0.37                           | 40                      | 89   | 34.73                   | 5310  | 3.1                 |            |
|               | 0.37                           | 41                      | 87   | 33.79                   | 5270  | 3.2                 |            |
|               | 0.37                           | 44                      | 80   | 31.12                   | 5150  | 3.4                 |            |
| 0.37          | 52                             | 69                      | 26.74                                      | 4920                    | 4.4   |                     |            |
| VRL(F)120     | 0.55                           | 15                      | 360  | 93.68                   | 3280  | 0.85                | 31.1       |
|               | 0.55                           | 16                      | 330  | 84.9                    | 5230  | 0.90                |            |
|               | 0.55                           | 18                      | 295  | 76.23                   | 5450  | 1.00                |            |
|               | 0.55                           | 20                      | 265  | 68.54                   | 5600  | 1.15                |            |
|               | 0.55                           | 21                      | 250  | 64.21                   | 5670  | 1.20                |            |
|               | 0.55                           | 24                      | 220  | 56.73                   | 5790  | 1.35                |            |
|               | 0.55                           | 26                      | 205  | 52.69                   | 5770  | 1.45                |            |
|               | 0.55                           | 28                      | 184  | 47.75                   | 5630  | 1.65                |            |
|               | 0.55                           | 32                      | 166  | 42.87                   | 5470  | 1.80                |            |
|               | 0.55                           | 37                      | 143  | 36.93                   | 5260  | 2.1                 |            |
| 0.55          | 39                             | 134                     | 34.73                                      | 5180                    | 2.2   |                     |            |

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|---------------|--------------------------------|-------------------------|--|-------------------------|---|---------------------|------------|
| VRL(F)120     | 0.55                           | 28                      | 184  | 47.75                   | 5630  | 1.65                | 31.1       |
|               | 0.55                           | 32                      | 166  | 42.87                   | 5470  | 1.80                |            |
|               | 0.55                           | 37                      | 143  | 36.93                   | 5260  | 2.1                 |            |
|               | 0.55                           | 39                      | 134  | 34.73                   | 5180  | 2.2                 |            |
|               | 0.55                           | 46                      | 115  | 29.88                   | 4970  | 2.6                 |            |
|               | 0.55                           | 51                      | 103  | 26.74                   | 4820  | 2.9                 |            |
|               | 0.55                           | 58                      | 90   | 23.28                   | 4630  | 3.3                 |            |
| VRL(F)120     | 0.75                           | 20                      | 355  | 68.54                   | 3660  | 0.85                | 32.1       |
|               | 0.75                           | 21                      | 335  | 64.21                   | 4950  | 0.90                |            |
|               | 0.75                           | 24                      | 295  | 56.73                   | 5450  | 1.00                |            |
|               | 0.75                           | 26                      | 275  | 52.69                   | 5480  | 1.10                |            |
|               | 0.75                           | 29                      | 250  | 47.75                   | 5370  | 1.20                |            |
|               | 0.75                           | 32                      | 225  | 42.87                   | 5240  | 1.35                |            |
|               | 0.75                           | 37                      | 192  | 36.93                   | 5060  | 1.55                |            |
|               | 0.75                           | 40                      | 180  | 34.73                   | 4980  | 1.65                |            |
|               | 0.75                           | 46                      | 155  | 29.88                   | 4800  | 1.95                |            |
|               | 0.75                           | 52                      | 139  | 26.74                   | 4660  | 2.2                 |            |
|               | 0.75                           | 58                      | 122  | 23.59                   | 4510  | 2.5                 |            |
|               | 0.75                           | 59                      | 121  | 23.28                   | 4490  | 2.5                 |            |
|               | 0.75                           | 63                      | 113  | 21.81                   | 4420  | 2.7                 |            |
| VRL(F)120     | 1.1                            | 29                      | 360  | 47.75                   | 3500  | 0.85                | 34.7       |
|               | 1.1                            | 33                      | 320  | 42.87                   | 4850  | 0.95                |            |
|               | 1.1                            | 38                      | 275  | 36.93                   | 4720  | 1.10                |            |
|               | 1.1                            | 40                      | 260  | 34.73                   | 4660  | 1.15                |            |
|               | 1.1                            | 47                      | 225  | 29.88                   | 4520  | 1.35                |            |
|               | 1.1                            | 52                      | 200  | 26.70                   | 4410  | 1.50                |            |
|               | 1.1                            | 59                      | 177  | 23.59                   | 4290  | 1.70                |            |
|               | 1.1                            | 64                      | 164  | 21.81                   | 4210  | 1.85                |            |
|               | 1.1                            | 73                      | 145  | 19.27                   | 4080  | 2.0                 |            |
|               | 1.1                            | 78                      | 134  | 17.89                   | 4010  | 2.2                 |            |
|               | 1.1                            | 86                      | 122  | 16.22                   | 3910  | 2.3                 |            |
|               | 1.1                            | 96                      | 109  | 14.56                   | 3800  | 2.4                 |            |
|               | 1.1                            | 112                     | 94   | 12.54                   | 3650  | 2.7                 |            |
|               | 1.1                            | 119                     | 89   | 11.79                   | 3590  | 2.8                 |            |
| 1.1           | 138                            | 76                      | 10.15                                      | 3450                    | 3.0   |                     |            |
| VRL(F)120     | 1.5                            | 38                      | 375  | 36.93                   | 2380  | 0.80                | 37.4       |
|               | 1.5                            | 41                      | 355  | 34.73                   | 3840  | 0.85                |            |
|               | 1.5                            | 47                      | 305  | 29.88                   | 4220  | 1.00                |            |
|               | 1.5                            | 53                      | 270  | 26.70                   | 4140  | 1.10                |            |
|               | 1.5                            | 60                      | 240  | 23.59                   | 4050  | 1.25                |            |
|               | 1.5                            | 61                      | 235  | 23.28                   | 4040  | 1.25                |            |
|               | 1.5                            | 65                      | 220  | 21.81                   | 3990  | 1.35                |            |
|               | 1.5                            | 73                      | 196  | 19.27                   | 3890  | 1.50                |            |
|               | 1.5                            | 79                      | 182  | 17.89                   | 3830  | 1.60                |            |
|               | 1.5                            | 87                      | 165  | 16.22                   | 3740  | 1.65                |            |
|               | 1.5                            | 97                      | 148  | 14.56                   | 3650  | 1.80                |            |
|               | 1.5                            | 112                     | 127  | 12.54                   | 3520  | 1.95                |            |
| 1.5           | 120                            | 120                     | 11.79                                      | 3470                    | 2.0   |                     |            |
| 1.5           | 139                            | 103                     | 10.15                                      | 3340                    | 2.1   |                     |            |



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|---------------|--------------------------------|-------------------------|--|-------------------------|---|---------------------|------------|
| VRL(F)120     | 1.5                            | 155                     | 92   | 9.07                    | 3240  | 2.2                 | 37.4       |
|               | 1.5                            | 176                     | 81   | 8.01                    | 3140  | 2.2                 |            |
|               | 1.5                            | 182                     | 79   | 7.76                    | 3060  | 2.4                 |            |
|               | 1.5                            | 203                     | 71   | 6.96                    | 2980  | 2.5                 |            |
|               | 1.5                            | 235                     | 61   | 6.00                    | 2860  | 2.6                 |            |
|               | 1.5                            | 250                     | 57   | 5.64                    | 2810  | 2.7                 |            |
|               | 1.5                            | 291                     | 49   | 4.85                    | 2700  | 3.0                 |            |
|               | 1.5                            | 325                     | 44   | 4.34                    | 2610  | 3.3                 |            |
| VRL(F)120     | 2.2                            | 73                      | 285  | 19.27                   | 3550  | 1.05                | 45.2       |
|               | 2.2                            | 87                      | 240  | 16.22                   | 3460  | 1.15                |            |
|               | 2.2                            | 97                      | 215  | 14.56                   | 3400  | 1.20                |            |
|               | 2.2                            | 112                     | 187  | 12.54                   | 3310  | 1.35                |            |
|               | 2.2                            | 120                     | 176  | 11.79                   | 3270  | 1.40                |            |
|               | 2.2                            | 139                     | 151  | 10.15                   | 3160  | 1.40                |            |
|               | 2.2                            | 155                     | 135  | 9.07                    | 3090  | 1.50                |            |
|               | 2.2                            | 176                     | 119  | 8.01                    | 3000  | 1.55                |            |
|               | 2.2                            | 182                     | 116  | 7.76                    | 2910  | 1.65                |            |
|               | 2.2                            | 203                     | 104  | 6.96                    | 2840  | 1.70                |            |
|               | 2.2                            | 235                     | 89   | 6.00                    | 2740  | 1.75                |            |
|               | 2.2                            | 250                     | 84   | 5.64                    | 2700  | 1.85                |            |
|               | 2.2                            | 291                     | 72   | 4.85                    | 2600  | 2.1                 |            |
| VRL(F)120     | 3                              | 86                      | 330  | 16.22                   | 2030  | 0.85                | 48.5       |
|               | 3                              | 96                      | 300  | 14.56                   | 2500  | 0.90                |            |
|               | 3                              | 112                     | 255  | 12.54                   | 3040  | 0.95                |            |
|               | 3                              | 119                     | 240  | 11.79                   | 3040  | 1.00                |            |
|               | 3                              | 138                     | 210  | 10.15                   | 2970  | 1.10                |            |
|               | 3                              | 154                     | 186  | 9.07                    | 2910  | 1.20                |            |
|               | 3                              | 175                     | 164  | 8.01                    | 2840  | 1.25                |            |
|               | 3                              | 181                     | 159  | 7.76                    | 2740  | 1.05                |            |
|               | 3                              | 201                     | 143  | 6.96                    | 2680  | 1.10                |            |
|               | 3                              | 233                     | 123  | 6.00                    | 2610  | 1.25                |            |
|               | 3                              | 248                     | 115  | 5.64                    | 2580  | 1.35                |            |
|               | 3                              | 288                     | 99   | 4.85                    | 2490  | 1.50                |            |
|               | 3                              | 323                     | 89   | 4.34                    | 2430  | 1.65                |            |
| VRL(F)120     | 4                              | 140                     | 275  | 10.15                   | 1960  | 0.85                | 55         |
|               | 4                              | 157                     | 245  | 9.07                    | 2350  | 0.85                |            |
|               | 4                              | 177                     | 215  | 8.01                    | 2640  | 0.90                |            |
|               | 4                              | 204                     | 187  | 6.96                    | 2480  | 0.95                |            |
|               | 4                              | 237                     | 161  | 6.00                    | 2430  | 0.95                |            |
|               | 4                              | 252                     | 152  | 5.64                    | 2410  | 1.00                |            |
|               | 4                              | 293                     | 131  | 4.85                    | 2350  | 1.15                |            |
|               | 4                              | 327                     | 117  | 4.34                    | 2300  | 1.25                |            |
| VRL(F)120     | 5.5                            | 295                     | 178  | 4.85                    | 1870  | 0.85                | 66.7       |
|               | 5.5                            | 330                     | 159  | 4.34                    | 2110  | 0.90                |            |
|               | 5.5                            | 373                     | 141  | 3.83                    | 2080  | 1.00                |            |
| VRL(F)120P115 | 0.12                           | 2.40                    | 375  | 572                     | 2500  | 0.80                | 40.7       |
|               | 0.12                           | 2.70                    | 355  | 510                     | 3780  | 0.85                |            |
|               | 0.12                           | 2.80                    | 330  | 502                     | 5140  | 0.90                |            |
|               | 0.12                           | 3.20                    | 300  | 429                     | 5430  | 1.00                |            |

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|-----------------------|--------------------------------|-------------------------|--|-------------------------|---|---------------------|------------|
| VRL(F)120P115         | 0.12                           | 3.40                    | 255  | 408                     | 5630  | 1.15                | 40.7       |
|                       | 0.12                           | 3.70                    | 255  | 372                     | 5640  | 1.15                |            |
|                       | 0.12                           | 4.00                    | 240  | 348                     | 5710  | 1.25                |            |
|                       | 0.12                           | 4.6                     | 205  | 301                     | 5840  | 1.50                |            |
|                       | 0.12                           | 5.4                     | 169  | 255                     | 5950  | 1.75                |            |
|                       | 0.12                           | 6.1                     | 150  | 228                     | 6000  | 2.00                |            |
| VRL(F)120P115         | 0.18                           | 4.4                     | 335  | 301                     | 4780  | 0.90                | 41.2       |
|                       | 0.18                           | 5.2                     | 285  | 255                     | 5510  | 1.05                |            |
|                       | 0.18                           | 5.8                     | 250  | 228                     | 5660  | 1.20                |            |
|                       | 0.18                           | 6.8                     | 210  | 195                     | 5810  | 1.40                |            |
| VRL(F)120P115         | 0.25                           | 5.7                     | 365  | 228                     | 3070  | 0.80                | 44         |
|                       | 0.25                           | 6.7                     | 310  | 195                     | 5370  | 0.95                |            |
|                       | 0.25                           | 7.1                     | 290  | 182                     | 5480  | 1.05                |            |
|                       | 0.25                           | 8.5                     | 240  | 154                     | 5700  | 1.25                |            |
| <b>1 000 об./мин.</b> |                                |                         |  |                         |   |                     |            |
| VRL(F)120             | 0.12                           | 5.1                     | 225  | 176.88                  | 5760  | 1.35                | 24.5       |
|                       | 0.12                           | 5.5                     | 210  | 162.94                  | 7830  | 1.45                |            |
|                       | 0.12                           | 6.4                     | 178  | 139.99                  | 5920  | 1.70                |            |
|                       | 0.12                           | 7.4                     | 155  | 121.87                  | 5980  | 1.95                |            |