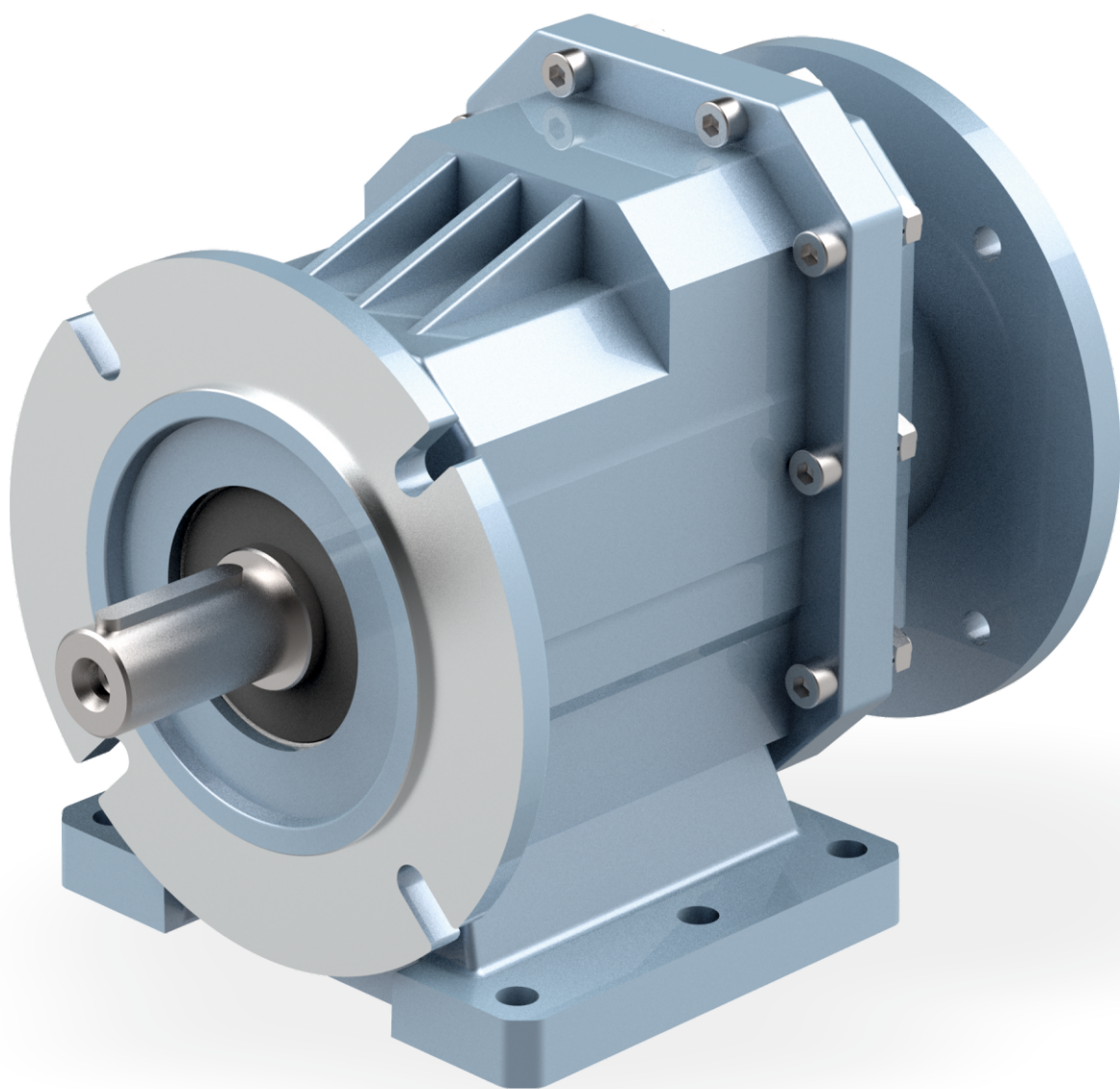




**ЦИЛИНДРИЧЕСКИЙ РЕДУКТОР  
TRC DRIVE EXPERTS**

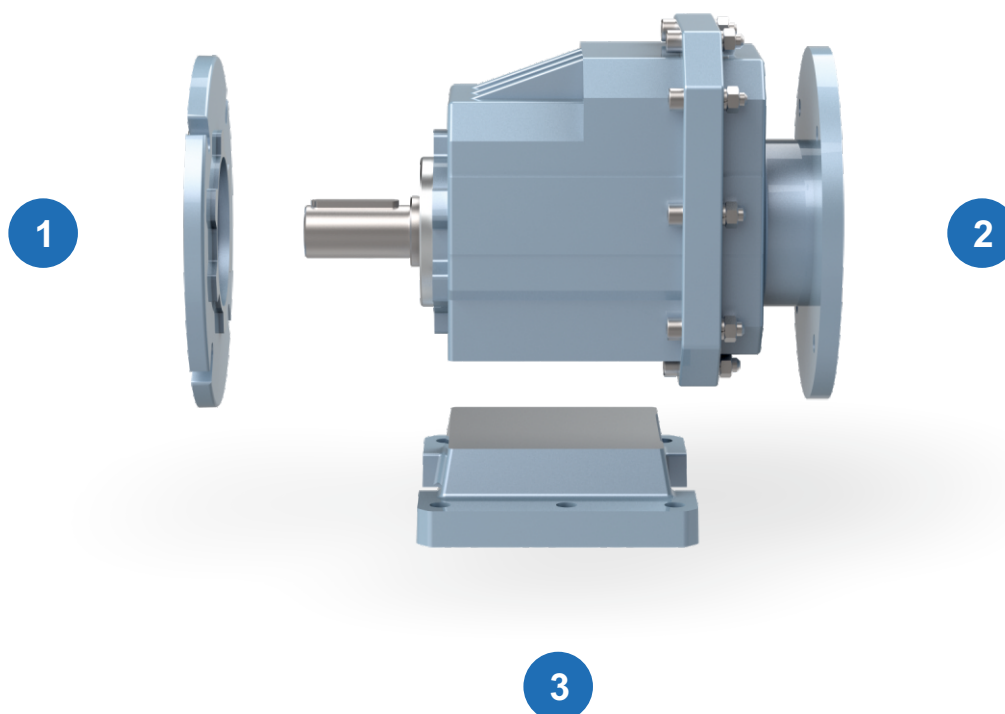
## ХАРАКТЕРИСТИКИ ПРОДУКТА

Серия TRC включает четыре типоразмера редуктора и подходит для двигателей мощностью от 0,12 до 4,0 кВт.

Доступны передаточные числа от 1:3,66 до 1:58,09.

Конструкция обеспечивает крутящий момент до 500 Нм.

По своему усмотрению на данный редуктор можно установить лапы, выходной фланец (присоединительные и габаритные размеры которых, аналогичны размерам ведущих производителей редукторов) и использовать различные монтажные положения в соответствии с требованиями Заказчика.



1 – Выходной фланец; 2 – Входной фланец для электродвигателя; 3 – Лапы.

## ПРЕИМУЩЕСТВО ДАННОГО ПРОДУКТА

- Модульная система
- Высокая эффективность
- Низкий уровень шума
- Компактный дизайн
- Универсальное монтажное положение
- Малый вес, благодаря алюминиевому корпусу
- Колесные пары закалены
- Все ступени отшлифованы
- Разнообразные варианты монтажа

# КОДООБРАЗОВАНИЕ

**TRC03 - 30 - PAM90B14 - 5.48 - F200 - B04 - M1 - S220**

1

2

3

4

5

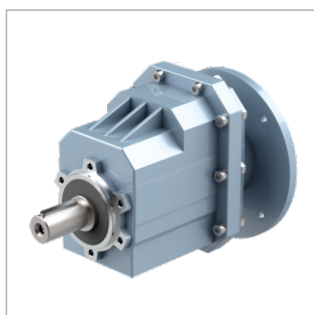
6

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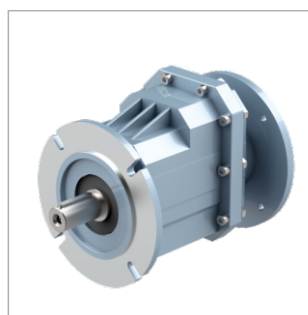
8

| № | КОММЕНТАРИЙ                                                                         |
|---|-------------------------------------------------------------------------------------|
| 1 | Серийное обозначение: <b>TRC</b><br>Размер корпуса редуктора: <b>01, 02, 03, 04</b> |
| 2 | Диаметр выходного вала: <b>19, 20, 24, 25, 28, 30, 35 мм</b>                        |
| 3 | Входной фланец: <b>PAM90B14(B5)</b>                                                 |
| 4 | Передаточное число редуктора: <b>i</b>                                              |
| 5 | Выходной фланец редуктора: <b>F120, F140, F160, F200, F250</b>                      |
| 6 | Лапы редуктора: <b>B01, B02, B03, B04, B05, M01, M03, M04</b>                       |
| 7 | Монтажное положение: <b>M1</b>                                                      |
| 8 | Минеральное масло: <b>M220</b><br>Синтетическое масло: <b>S220</b>                  |

## ВАРИАНТЫ ИСПОЛНЕНИЯ



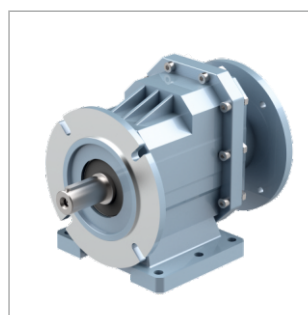
- TRC...PAM(B14/B5)



- TRC...PAM(B14/B5)...F



- TRC...PAM(B14/B5)...B(M)



- TRC...PAM(B14/B5)...F-B(M)

## Производительность

$P_1$  Входная мощность

$P_2$  Выходная мощность

$P_{1n}$  Номинальная входная мощность

$f_s$  Сервис фактор

$\eta$  Коэффициент эффективности: 92% (3-ступенчатый) 94% (2-ступенчатый)

$$P_1 = \frac{P_2}{\eta} [\text{kW}]$$

$$P_{1n} \geq P_1 * f_s [\text{kW}]$$

## Определение коэффициента передаточного отношения

$n_1$  Входная скорость

$n_2$  Выходная скорость

$i$  Передаточное число

$$i = \frac{n_1}{n_2}$$

Коэффициент передаточного отношения указывается с точностью до двух знаков после запятой.

## Крутящий момент

$M_2$  Крутящий момент на выходном валу

$M_{2n}$  Номинальный крутящий момент

$P_1$  Входная мощность

$\eta$  Коэффициент эффективности

$f_s$  Сервис фактор

$$M_2 = \frac{9550 * P_1 * \eta}{n_2} [\text{Nm}]$$

$$M_{2n} \geq M_2 * f_s [\text{Nm}]$$

## Сервис фактор

Срок службы редуктора существенно зависит от 3-х параметров:

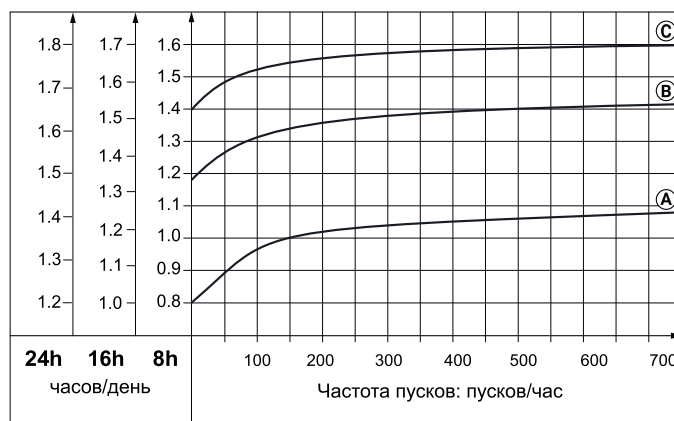
- Тип нагрузки рабочего оборудования A/B/C
- Продолжительность рабочего времени: часов/день
- Частота пусков: пусков/час

## Классы нагрузки

A Равномерная нагрузка  $f_a \leq 0,2$

B Нагрузка с умеренным воздействием  $0,2 < f_a \leq 3$

C Нагрузка с сильными ударами  $3 < f_a \leq 10$



## Коэффициент ускорения

$f_a$  Коэффициент ускорения

$J_c$  Момент сниженной инерции внешней нагрузки на выходном валу [ $\text{кгм}^2$ ]

$J_m$  Момент инерции двигателя [ $\text{кгм}^2$ ]

$$f_a = \frac{J_c}{J_m}$$

Для достижения приемлемого срока службы редуктора, коэффициент ускорения должен быть равен или превышать расчетный.

# ТЕХНИЧЕСКИЕ ПАРАМЕТРЫ

## Радиальная нагрузка

Для расчета радиальной нагрузки  $F_r$  необходимо учитывать тип элемента силовой нагрузки на вал шестерни. Разные элементы силовой нагрузки приводят к разным коэффициентам  $f_z$ .

| Тип силовой нагрузки | Коэффициент силовой нагрузки, $f_z$ |      |
|----------------------|-------------------------------------|------|
| Зубчатая передача    | $\geq 17$ зубьев                    | 1,00 |
|                      | $< 17$ зубьев                       | 1,15 |
| Звёздочка            | $\geq 20$ зубьев                    | 1,00 |
|                      | $< 20$ зубьев                       | 1,25 |
|                      | $< 13$ зубьев                       | 1,40 |
| Клиномременный шкив  | Нагрузка при растяжении             | 1,75 |
| Плоскоременный шкив  | Нагрузка при растяжении             | 2,50 |
| Шкив зубчатого ремня | Нагрузка при растяжении             | 2,50 |

Радиальная нагрузка, возникающая на валу редуктора, рассчитывается следующим образом:

$F_{r1/2}$  Расчетная радиальная нагрузка [N]

$M_{t1/2}$  Крутящий момент, действующий на вал редуктора [Nm]

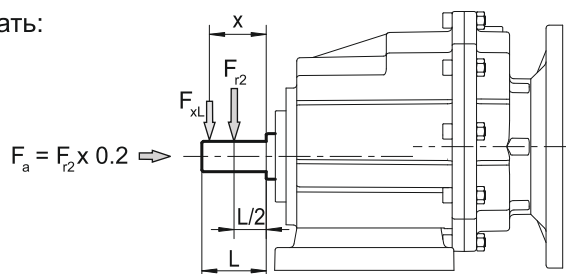
$d_0$  Диаметр элемента силовой передачи [мм]

$f_z$  Коэффициент для элемента силовой передачи

$$F_r = \frac{M * 2000 * f_z}{d_0} [N]$$

Радиальную нагрузку в точке  $x$  можно рассчитать:

$$F_{x2} = \frac{F_{r2(max)} * a}{b + x}$$



$$F_a = F_{r2} * 0.2$$

## Постоянные передачи – Входной вал

| Постоянные передачи | TRC01 | TRC02 | TRC03 | TRC04 |
|---------------------|-------|-------|-------|-------|
| a                   | 103   | 116.5 | 130   | 147   |
| b                   | 83    | 91.5  | 100   | 112   |

## Ориентировочные номинальные значения $F_{r2}$

| n2[ $\text{min}^{-1}$ ] | 20    | 40   | 60   | 80   | 100  | 120  | 150  | 180  | 250  | 400  |
|-------------------------|-------|------|------|------|------|------|------|------|------|------|
| $F_{r2}$<br>max<br>[N]  | TRC01 | 2600 | 2560 | 2230 | 2030 | 1860 | 1770 | 1630 | 1540 | 1390 |
|                         | TRC02 | 4500 | 4270 | 3730 | 3300 | 3100 | 2970 | 2710 | 2650 | 1900 |
|                         | TRC03 | 6000 | 5860 | 5000 | 4650 | 4100 | 3900 | 3530 | 3530 | 2770 |
|                         | TRC04 | 8000 | 7950 | 6590 | 6310 | 5580 | 5310 | 4800 | 4800 | 3700 |

# ТАБЛИЦА ПОДБОРА РЕДУКТОРА

**TRC01...**

**$n_1=1400$ об./мин.**

**120Nm**

| i     | $n_2$<br>[об/мин.] | $M_{2max}$<br>[Nm] | $F_{r2}$<br>[N] | 63B5 | 71B5<br>71B14 | 80B5<br>80B14 | 90B5<br>90B14 |
|-------|--------------------|--------------------|-----------------|------|---------------|---------------|---------------|
| 53.33 | 26                 | 120                | 2600            |      |               |               |               |
| 45.89 | 31                 | 120                | 2600            |      |               |               |               |
| 40.10 | 35                 | 120                | 2600            |      |               |               |               |
| 35.47 | 39                 | 120                | 2560            |      |               |               |               |
| 28.50 | 49                 | 120                | 2380            |      |               |               |               |
| 23.56 | 59                 | 120                | 2230            |      |               |               |               |
| 19.83 | 71                 | 120                | 2100            |      |               |               |               |
| 17.86 | 78                 | 90                 | 2030            |      |               |               |               |
| 14.62 | 96                 | 120                | 1900            |      |               |               |               |
| 13.80 | 101                | 90                 | 1860            |      |               |               |               |
| 11.90 | 118                | 120                | 1770            |      |               |               |               |
| 9.81  | 143                | 120                | 1660            |      |               |               |               |
| 9.17  | 153                | 80                 | 1630            |      |               |               |               |
| 7.72  | 181                | 80                 | 1540            |      |               |               |               |
| 5.69  | 246                | 70                 | 1390            |      |               |               |               |
| 4.63  | 302                | 70                 | 1290            |      |               |               |               |
| 3.82  | 366                | 70                 | 1210            |      |               |               |               |

**TRC02...**

**$n_1=1400$ об./мин.**

**200Nm**

| i     | $n_2$<br>[об/мин.] | $M_{2max}$<br>[Nm] | $F_{r2}$<br>[N] | 63B5 | 71B5<br>71B14 | 80B5<br>80B14 | 90B5<br>90B14 |
|-------|--------------------|--------------------|-----------------|------|---------------|---------------|---------------|
| 54    | 26                 | 200                | 4500            |      |               |               |               |
| 46.46 | 30                 | 200                | 4500            |      |               |               |               |
| 40.60 | 34                 | 200                | 4500            |      |               |               |               |
| 35.91 | 39                 | 200                | 4270            |      |               |               |               |
| 28.88 | 48                 | 200                | 3970            |      |               |               |               |
| 23.85 | 59                 | 200                | 3730            |      |               |               |               |
| 20.08 | 70                 | 200                | 3520            |      |               |               |               |
| 17.10 | 82                 | 140                | 3330            |      |               |               |               |
| 14.81 | 95                 | 200                | 3180            |      |               |               |               |
| 13.21 | 106                | 140                | 3060            |      |               |               |               |
| 12.05 | 116                | 200                | 2970            |      |               |               |               |
| 9.93  | 141                | 200                | 2780            |      |               |               |               |
| 8.78  | 159                | 120                | 2670            |      |               |               |               |
| 7.39  | 189                | 120                | 2520            |      |               |               |               |
| 5.45  | 257                | 100                | 2280            |      |               |               |               |
| 4.43  | 316                | 100                | 2120            |      |               |               |               |
| 3.66  | 383                | 80                 | 1990            |      |               |               |               |

# ТАБЛИЦА ПОДБОРА РЕДУКТОРА

TRC03...

$n_1=1400$ об./мин.

300Nm

| i     | $n_2$<br>[об/мин.] | $M_{2max}$<br>[Nm] | $F_{r2}$<br>[N] | 71B5<br>71B14 | 80B5<br>80B14 | 90B5<br>90B14 | 100B5<br>100B14 | 112B5<br>112B14 |
|-------|--------------------|--------------------|-----------------|---------------|---------------|---------------|-----------------|-----------------|
| 58.09 | 24                 | 300                | 6000            |               |               |               |                 |                 |
| 50.02 | 28                 | 300                | 6000            |               |               |               |                 |                 |
| 43.75 | 32                 | 300                | 6000            |               |               |               |                 |                 |
| 38.73 | 36                 | 300                | 6000            |               |               |               |                 |                 |
| 34.62 | 40                 | 300                | 5860            |               |               |               |                 |                 |
| 28.30 | 49                 | 300                | 5480            |               |               |               |                 |                 |
| 21.78 | 64                 | 280                | 5020            |               |               |               |                 |                 |
| 17.33 | 81                 | 280                | 4660            |               |               |               |                 |                 |
| 15.06 | 93                 | 260                | 4440            |               |               |               |                 |                 |
| 12.37 | 113                | 260                | 4160            |               |               |               |                 |                 |
| 10.28 | 136                | 240                | 3910            |               |               |               |                 |                 |
| 7.93  | 177                | 180                | 3590            |               |               |               |                 |                 |
| 6.31  | 222                | 180                | 3320            |               |               |               |                 |                 |
| 5.48  | 255                | 150                | 3170            |               |               |               |                 |                 |
| 4.50  | 311                | 150                | 2970            |               |               |               |                 |                 |
| 3.74  | 374                | 150                | 2790            |               |               |               |                 |                 |

TRC04...

$n_1=1400$ об./мин.

500Nm

| i     | $n_2$<br>[об/мин.] | $M_{2max}$<br>[Nm] | $F_{r2}$<br>[N] | 80B5<br>80B14 | 90B5<br>90B14 | 100B5<br>100B14 | 112B5<br>112B14 |
|-------|--------------------|--------------------|-----------------|---------------|---------------|-----------------|-----------------|
| 58.09 | 24                 | 500                | 8000            |               |               |                 |                 |
| 50.02 | 28                 | 500                | 8000            |               |               |                 |                 |
| 43.75 | 32                 | 500                | 8000            |               |               |                 |                 |
| 38.73 | 36                 | 500                | 8000            |               |               |                 |                 |
| 34.62 | 40                 | 500                | 7950            |               |               |                 |                 |
| 28.30 | 49                 | 500                | 7430            |               |               |                 |                 |
| 21.78 | 64                 | 480                | 6810            |               |               |                 |                 |
| 17.33 | 81                 | 480                | 6310            |               |               |                 |                 |
| 15.06 | 93                 | 460                | 6020            |               |               |                 |                 |
| 12.37 | 113                | 460                | 5640            |               |               |                 |                 |
| 10.28 | 136                | 440                | 5300            |               |               |                 |                 |
| 7.93  | 177                | 260                | 4860            |               |               |                 |                 |
| 6.31  | 222                | 260                | 4510            |               |               |                 |                 |
| 5.48  | 255                | 230                | 4300            |               |               |                 |                 |
| 4.50  | 311                | 230                | 4030            |               |               |                 |                 |
| 3.74  | 374                | 200                | 3780            |               |               |                 |                 |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.12 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i     | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |    |
|---------|-----------------------------|-------------------------|-------|------------------------|----------------|------------------|-------------------------------|---------------|------|----|
|         | 26                          | 42                      | 53.33 | 2600                   | 2.9            | TRC01            | 63B5                          | 4P            | 22   |    |
|         | 31                          | 36                      | 45.89 | 2600                   | 3.3            |                  |                               |               |      |    |
|         | 35                          | 32                      | 40.10 | 2600                   | 3.8            |                  |                               |               |      |    |
|         | 39                          | 28                      | 35.47 | 2560                   | 4.3            |                  |                               |               |      |    |
|         | 49                          | 22                      | 28.50 | 2380                   | 5.4            |                  |                               |               |      |    |
|         | 59                          | 18.5                    | 23.56 | 2230                   | 6.5            |                  |                               |               |      |    |
|         | 71                          | 15.6                    | 19.83 | 2100                   | 7.7            |                  |                               |               |      |    |
|         | 78                          | 14.0                    | 17.86 | 2030                   | 6.4            |                  |                               |               |      |    |
|         | 96                          | 11.5                    | 14.62 | 1900                   | 10.4           |                  |                               |               |      |    |
|         | 101                         | 10.8                    | 13.80 | 1860                   | 8.3            |                  |                               |               |      |    |
|         | 118                         | 9.4                     | 11.90 | 1770                   | 12.8           |                  |                               |               |      |    |
|         | 143                         | 7.7                     | 9.81  | 1660                   | 15.6           |                  |                               |               |      |    |
|         | 153                         | 7.2                     | 9.17  | 1630                   | 11.1           |                  |                               |               |      |    |
|         | 181                         | 6.1                     | 7.72  | 1540                   | 13.2           |                  |                               |               |      |    |
|         | 246                         | 4.5                     | 5.69  | 1390                   | 15.7           |                  |                               |               |      |    |
|         | 302                         | 3.6                     | 4.63  | 1290                   | 19.2           |                  |                               |               |      |    |
|         | 366                         | 3.0                     | 3.82  | 1210                   | 23.3           |                  |                               |               |      |    |
|         | 0.18 kW                     | 16.9                    | 65    | 53.33                  | 2600           | 1.8              | TRC01                         | 63B5          | 6P   | 22 |
| 19.6    |                             | 56                      | 45.89 | 2600                   | 2.1            |                  |                               |               |      |    |
| 22      |                             | 49                      | 40.10 | 2600                   | 2.4            |                  |                               |               |      |    |
| 25      |                             | 43                      | 35.47 | 2560                   | 2.8            |                  |                               |               |      |    |
| 32      |                             | 35                      | 28.50 | 2380                   | 3.4            |                  |                               |               |      |    |
| 38      |                             | 29                      | 23.56 | 2230                   | 4.2            |                  |                               |               |      |    |
| 45      |                             | 24                      | 19.83 | 2100                   | 5.0            |                  |                               |               |      |    |
| 50      |                             | 22                      | 17.86 | 2030                   | 4.1            |                  |                               |               |      |    |
| 62      |                             | 17.9                    | 14.62 | 1900                   | 6.7            |                  |                               |               |      |    |
| 65      |                             | 16.9                    | 13.80 | 1860                   | 5.3            |                  |                               |               |      |    |
| 76      |                             | 14.5                    | 11.90 | 1770                   | 8.2            |                  |                               |               |      |    |
| 92      |                             | 12.0                    | 9.81  | 1660                   | 10.0           |                  |                               |               |      |    |
| 98      |                             | 11.2                    | 9.17  | 1630                   | 7.1            |                  |                               |               |      |    |
| 117     |                             | 9.4                     | 7.72  | 1540                   | 8.5            |                  |                               |               |      |    |
| 158     |                             | 7.0                     | 5.69  | 1390                   | 10.1           |                  |                               |               |      |    |
| 194     |                             | 5.7                     | 4.63  | 1290                   | 12.4           |                  |                               |               |      |    |
| 236     |                             | 4.7                     | 3.82  | 1210                   | 15.0           |                  |                               |               |      |    |
|         |                             | 26                      | 63    | 53.33                  | 2600           | 1.9              | TRC01                         | 63B5          | 4P   | 22 |
|         |                             | 31                      | 54    | 45.89                  | 2600           | 2.2              |                               |               |      |    |
|         | 35                          | 47                      | 40.10 | 2600                   | 2.5            |                  |                               |               |      |    |
|         | 39                          | 42                      | 35.47 | 2560                   | 2.9            |                  |                               |               |      |    |
|         | 49                          | 34                      | 28.50 | 2380                   | 3.6            |                  |                               |               |      |    |
|         | 59                          | 28                      | 23.56 | 2230                   | 4.3            |                  |                               |               |      |    |
|         | 71                          | 23                      | 19.83 | 2100                   | 5.1            |                  |                               |               |      |    |
|         | 78                          | 21                      | 17.86 | 2030                   | 4.3            |                  |                               |               |      |    |
|         | 96                          | 17.2                    | 14.62 | 1900                   | 7.0            |                  |                               |               |      |    |
|         | 101                         | 16.3                    | 13.80 | 1860                   | 5.5            |                  |                               |               |      |    |
|         | 118                         | 14.0                    | 11.90 | 1770                   | 8.6            |                  |                               |               |      |    |
|         | 143                         | 11.6                    | 9.81  | 1660                   | 10.4           |                  |                               |               |      |    |
|         | 153                         | 10.8                    | 9.17  | 1630                   | 7.4            |                  |                               |               |      |    |
|         | 181                         | 9.1                     | 7.72  | 1540                   | 8.8            |                  |                               |               |      |    |
|         | 246                         | 6.7                     | 5.69  | 1390                   | 10.4           |                  |                               |               |      |    |
|         | 302                         | 5.5                     | 4.63  | 1290                   | 12.8           |                  |                               |               |      |    |
|         | 366                         | 4.5                     | 3.82  | 1210                   | 15.5           |                  |                               |               |      |    |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.18 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i     | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|-------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         | 16.9                        | 98                      | 53.33 | 2600                   | 1.2            | TRC01            | 71B5/B14                      | 6P            | 22   |
|         | 19.6                        | 84                      | 45.89 | 2600                   | 1.4            |                  |                               |               |      |
|         | 22                          | 74                      | 40.10 | 2600                   | 1.6            |                  |                               |               |      |
|         | 25                          | 65                      | 35.47 | 2600                   | 1.8            |                  |                               |               |      |
|         | 32                          | 52                      | 28.50 | 2600                   | 2.3            |                  |                               |               |      |
|         | 38                          | 43                      | 23.56 | 2580                   | 2.8            |                  |                               |               |      |
|         | 45                          | 36                      | 19.83 | 2440                   | 3.3            |                  |                               |               |      |
|         | 50                          | 33                      | 17.86 | 2360                   | 2.7            |                  |                               |               |      |
|         | 26                          | 64                      | 54.00 | 4500                   | 3.1            | TRC02            | 63B5                          | 4P            | 23   |
|         | 30                          | 55                      | 46.46 | 4500                   | 3.7            |                  |                               |               |      |
|         | 34                          | 48                      | 40.60 | 4500                   | 4.2            |                  |                               |               |      |
|         | 39                          | 42                      | 35.91 | 4270                   | 4.7            |                  |                               |               |      |
|         | 16.7                        | 99                      | 54.00 | 4500                   | 2.0            | TRC02            | 71B5/B14                      | 6P            | 23   |
|         | 19.4                        | 85                      | 46.46 | 4500                   | 2.3            |                  |                               |               |      |
|         | 22                          | 74                      | 40.60 | 4500                   | 2.7            |                  |                               |               |      |
| 25      | 66                          | 35.91                   | 4500  | 3.0                    |                |                  |                               |               |      |
| 31      | 53                          | 28.88                   | 4500  | 3.8                    |                |                  |                               |               |      |
| 0.25 kW | 26                          | 87                      | 53.33 | 2600                   | 1.4            | TRC01            | 71B5/B14                      | 4P            | 22   |
|         | 31                          | 75                      | 45.89 | 2600                   | 1.6            |                  |                               |               |      |
|         | 35                          | 66                      | 40.10 | 2600                   | 1.8            |                  |                               |               |      |
|         | 39                          | 58                      | 35.47 | 2560                   | 2.1            |                  |                               |               |      |
|         | 49                          | 47                      | 28.50 | 2380                   | 2.6            |                  |                               |               |      |
|         | 59                          | 39                      | 23.56 | 2230                   | 3.1            |                  |                               |               |      |
|         | 71                          | 32                      | 19.83 | 2100                   | 3.7            |                  |                               |               |      |
|         | 78                          | 29                      | 17.86 | 2030                   | 3.1            |                  |                               |               |      |
|         | 96                          | 24                      | 14.62 | 1900                   | 5.0            |                  |                               |               |      |
|         | 101                         | 23                      | 13.80 | 1860                   | 4.0            |                  |                               |               |      |
|         | 118                         | 19.5                    | 11.90 | 1770                   | 6.2            |                  |                               |               |      |
|         | 143                         | 16.1                    | 9.81  | 1660                   | 7.5            |                  |                               |               |      |
|         | 153                         | 15.0                    | 9.17  | 1630                   | 5.3            |                  |                               |               |      |
|         | 181                         | 12.6                    | 7.72  | 1540                   | 6.3            |                  |                               |               |      |
|         | 246                         | 9.3                     | 5.69  | 1390                   | 7.5            |                  |                               |               |      |
|         | 302                         | 7.6                     | 4.63  | 1290                   | 9.2            |                  |                               |               |      |
|         | 366                         | 6.3                     | 3.82  | 1210                   | 11.2           |                  |                               |               |      |
|         | 16.9                        | 136                     | 53.33 | 2600                   | 0.88           | TRC01            | 71B5/B14                      | 6P            | 22   |
|         | 19.6                        | 117                     | 45.89 | 2600                   | 1.0            |                  |                               |               |      |
|         | 22                          | 102                     | 40.10 | 2600                   | 1.2            |                  |                               |               |      |
|         | 25                          | 90                      | 35.47 | 2600                   | 1.3            |                  |                               |               |      |
|         | 32                          | 73                      | 28.50 | 2600                   | 1.7            |                  |                               |               |      |
|         | 38                          | 60                      | 23.56 | 2580                   | 2.0            |                  |                               |               |      |
|         | 45                          | 51                      | 19.83 | 2440                   | 2.4            |                  |                               |               |      |
|         | 50                          | 45                      | 17.86 | 2360                   | 2.0            |                  |                               |               |      |
|         | 62                          | 37                      | 14.62 | 2200                   | 3.2            |                  |                               |               |      |
|         | 65                          | 35                      | 13.80 | 2160                   | 2.6            |                  |                               |               |      |
|         | 76                          | 30                      | 11.90 | 2060                   | 4.0            |                  |                               |               |      |
|         | 92                          | 25                      | 9.81  | 1930                   | 4.8            |                  |                               |               |      |
|         | 98                          | 23                      | 9.17  | 1890                   | 3.4            |                  |                               |               |      |
|         | 117                         | 19.7                    | 7.72  | 1780                   | 4.1            |                  |                               |               |      |
|         | 158                         | 14.5                    | 5.69  | 1610                   | 4.8            |                  |                               |               |      |
|         | 194                         | 11.8                    | 4.63  | 1500                   | 5.9            |                  |                               |               |      |
| 236     | 9.7                         | 3.82                    | 1410  | 7.2                    |                |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.25 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         | 26                          | 88                      | <b>54.00</b> | 4500                   | 2.3            | TRC02            | 71B5/B14                      | 4P            | 23   |
|         | 30                          | 76                      | <b>46.46</b> | 4500                   | 2.6            |                  |                               |               |      |
|         | 34                          | 66                      | <b>40.60</b> | 4500                   | 3.0            |                  |                               |               |      |
|         | 39                          | 59                      | <b>35.91</b> | 4270                   | 3.4            |                  |                               |               |      |
|         | 16.7                        | 138                     | <b>54.00</b> | 4500                   | 1.5            | TRC02            | 71B5/B14                      | 6P            | 23   |
|         | 19.4                        | 118                     | <b>46.46</b> | 4500                   | 1.7            |                  |                               |               |      |
|         | 22                          | 103                     | <b>40.60</b> | 4500                   | 1.9            |                  |                               |               |      |
|         | 25                          | 91                      | <b>35.91</b> | 4500                   | 2.2            |                  |                               |               |      |
|         | 31                          | 74                      | <b>28.88</b> | 4500                   | 2.7            |                  |                               |               |      |
| 0.37 kW | 26                          | 129                     | <b>53.33</b> | 2600                   | 0.93           | TRC01            | 71B5/B14                      | 4P            | 22   |
|         | 31                          | 111                     | <b>45.89</b> | 2600                   | 1.1            |                  |                               |               |      |
|         | 35                          | 97                      | <b>40.10</b> | 2600                   | 1.2            |                  |                               |               |      |
|         | 39                          | 86                      | <b>35.47</b> | 2560                   | 1.4            |                  |                               |               |      |
|         | 49                          | 69                      | <b>28.50</b> | 2380                   | 1.7            |                  |                               |               |      |
|         | 59                          | 57                      | <b>23.56</b> | 2230                   | 2.1            |                  |                               |               |      |
|         | 71                          | 48                      | <b>19.83</b> | 2100                   | 2.5            |                  |                               |               |      |
|         | 78                          | 43                      | <b>17.86</b> | 2030                   | 2.1            |                  |                               |               |      |
|         | 96                          | 35                      | <b>14.62</b> | 1900                   | 3.4            |                  |                               |               |      |
|         | 101                         | 33                      | <b>13.80</b> | 1860                   | 2.7            |                  |                               |               |      |
|         | 118                         | 29                      | <b>11.90</b> | 1770                   | 4.2            |                  |                               |               |      |
|         | 143                         | 24                      | <b>9.81</b>  | 1660                   | 5.0            |                  |                               |               |      |
|         | 153                         | 22                      | <b>9.17</b>  | 1630                   | 3.6            |                  |                               |               |      |
|         | 181                         | 18.7                    | <b>7.72</b>  | 1540                   | 4.3            |                  |                               |               |      |
|         | 246                         | 13.8                    | <b>5.69</b>  | 1390                   | 5.1            |                  |                               |               |      |
|         | 302                         | 11.2                    | <b>4.63</b>  | 1290                   | 6.2            |                  |                               |               |      |
|         | 366                         | 9.3                     | <b>3.82</b>  | 1210                   | 7.6            |                  |                               |               |      |
|         | 25                          | 134                     | <b>35.47</b> | 2600                   | 0.90           | TRC01            | 80B5/B14                      | 6P            | 22   |
|         | 32                          | 107                     | <b>28.50</b> | 2600                   | 1.1            |                  |                               |               |      |
|         | 38                          | 89                      | <b>23.56</b> | 2580                   | 1.4            |                  |                               |               |      |
|         | 45                          | 75                      | <b>19.83</b> | 2440                   | 1.6            |                  |                               |               |      |
|         | 50                          | 67                      | <b>17.86</b> | 2360                   | 1.3            |                  |                               |               |      |
|         | 62                          | 55                      | <b>14.62</b> | 2200                   | 2.2            |                  |                               |               |      |
|         | 65                          | 52                      | <b>13.80</b> | 2160                   | 1.7            |                  |                               |               |      |
|         | 76                          | 45                      | <b>11.90</b> | 2060                   | 2.7            |                  |                               |               |      |
|         | 92                          | 37                      | <b>9.81</b>  | 1930                   | 3.2            |                  |                               |               |      |
|         | 98                          | 35                      | <b>9.17</b>  | 1890                   | 2.3            |                  |                               |               |      |
|         | 117                         | 29                      | <b>7.72</b>  | 1780                   | 2.7            |                  |                               |               |      |
|         | 26                          | 131                     | <b>54.00</b> | 4500                   | 1.5            | TRC02            | 71B5/B14                      | 4P            | 23   |
|         | 30                          | 113                     | <b>46.46</b> | 4500                   | 1.8            |                  |                               |               |      |
|         | 34                          | 98                      | <b>40.60</b> | 4500                   | 2.0            |                  |                               |               |      |
|         | 39                          | 87                      | <b>35.91</b> | 4270                   | 2.3            |                  |                               |               |      |
|         | 48                          | 70                      | <b>28.88</b> | 3970                   | 2.9            |                  |                               |               |      |
|         | 59                          | 58                      | <b>23.85</b> | 3730                   | 3.5            |                  |                               |               |      |
|         | 70                          | 49                      | <b>20.08</b> | 3520                   | 4.1            |                  |                               |               |      |
|         | 82                          | 41                      | <b>17.10</b> | 3330                   | 3.4            |                  |                               |               |      |
|         | 95                          | 36                      | <b>14.81</b> | 3180                   | 5.6            |                  |                               |               |      |
|         | 16.7                        | 204                     | <b>54.00</b> | 4500                   | 1.0            | TRC02            | 80B5/B14                      | 6P            | 23   |
|         | 19.4                        | 175                     | <b>46.46</b> | 4500                   | 1.1            |                  |                               |               |      |
|         | 22                          | 153                     | <b>40.60</b> | 4500                   | 1.3            |                  |                               |               |      |
|         | 25                          | 135                     | <b>35.91</b> | 4500                   | 1.5            |                  |                               |               |      |
|         | 31                          | 109                     | <b>28.88</b> | 4500                   | 1.8            |                  |                               |               |      |
|         | 38                          | 90                      | <b>23.85</b> | 4320                   | 2.2            |                  |                               |               |      |
|         | 45                          | 76                      | <b>20.08</b> | 4080                   | 2.6            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.37 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         |                             |                         |              |                        |                |                  |                               |               |      |
| 0.37 kW | 53                          | 64                      | <b>17.10</b> | 3860                   | 2.2            | TRC02            | 80B5/B14                      | 6P            | 23   |
|         | 68                          | 50                      | <b>13.21</b> | 3550                   | 2.8            |                  |                               |               |      |
|         | 24                          | 141                     | <b>58.09</b> | 6000                   | 2.1            | TRC03            | 71B5                          | 4P            | 24   |
|         | 28                          | 121                     | <b>50.02</b> | 6000                   | 2.5            |                  |                               |               |      |
|         | 32                          | 106                     | <b>43.75</b> | 6000                   | 2.8            |                  |                               |               |      |
|         | 36                          | 94                      | <b>38.73</b> | 6000                   | 3.2            |                  |                               |               |      |
|         | 40                          | 84                      | <b>34.62</b> | 5860                   | 3.6            |                  |                               |               |      |
|         | 15.5                        | 219                     | <b>58.09</b> | 6000                   | 1.4            | TRC03            | 80B5/B14                      | 6P            | 24   |
|         | 18                          | 189                     | <b>50.02</b> | 6000                   | 1.6            |                  |                               |               |      |
|         | 21                          | 165                     | <b>43.75</b> | 6000                   | 1.8            |                  |                               |               |      |
|         | 23                          | 146                     | <b>38.73</b> | 6000                   | 2.1            |                  |                               |               |      |
|         | 26                          | 130                     | <b>34.62</b> | 6000                   | 2.3            |                  |                               |               |      |
|         | 32                          | 107                     | <b>28.30</b> | 6000                   | 2.8            |                  |                               |               |      |
|         | 41                          | 82                      | <b>21.78</b> | 5820                   | 3.4            |                  |                               |               |      |
| 0.55 kW | 53                          | 96                      | <b>53.33</b> | 2320                   | 1.2            | TRC01            | 71B5/B14                      | 2P            | 22   |
|         | 61                          | 83                      | <b>45.89</b> | 2210                   | 1.5            |                  |                               |               |      |
|         | 70                          | 72                      | <b>40.10</b> | 2110                   | 1.7            |                  |                               |               |      |
|         | 79                          | 64                      | <b>35.47</b> | 2030                   | 1.9            |                  |                               |               |      |
|         | 98                          | 51                      | <b>28.50</b> | 1880                   | 2.3            |                  |                               |               |      |
|         | 119                         | 42                      | <b>23.56</b> | 1770                   | 2.8            |                  |                               |               |      |
|         | 141                         | 36                      | <b>19.83</b> | 1670                   | 3.4            |                  |                               |               |      |
|         | 157                         | 32                      | <b>17.86</b> | 1610                   | 2.8            |                  |                               |               |      |
|         | 203                         | 25                      | <b>13.80</b> | 1480                   | 3.6            | TRC01            | 80B5/B14                      | 4P            | 22   |
|         | 39                          | 128                     | <b>35.47</b> | 2560                   | 0.94           |                  |                               |               |      |
|         | 49                          | 103                     | <b>28.50</b> | 2380                   | 1.2            |                  |                               |               |      |
|         | 59                          | 85                      | <b>23.56</b> | 2230                   | 1.4            |                  |                               |               |      |
|         | 71                          | 71                      | <b>19.83</b> | 2100                   | 1.7            |                  |                               |               |      |
|         | 78                          | 64                      | <b>17.86</b> | 2030                   | 1.4            |                  |                               |               |      |
|         | 96                          | 53                      | <b>14.62</b> | 1900                   | 2.3            |                  |                               |               |      |
|         | 101                         | 50                      | <b>13.80</b> | 1860                   | 1.8            |                  |                               |               |      |
|         | 118                         | 43                      | <b>11.90</b> | 1770                   | 2.8            |                  |                               |               |      |
|         | 143                         | 35                      | <b>9.81</b>  | 1660                   | 3.4            |                  |                               |               |      |
|         | 153                         | 33                      | <b>9.17</b>  | 1630                   | 2.4            |                  |                               |               |      |
|         | 181                         | 28                      | <b>7.72</b>  | 1540                   | 2.9            |                  |                               |               |      |
|         | 246                         | 20                      | <b>5.69</b>  | 1390                   | 3.4            |                  |                               |               |      |
|         | 302                         | 16.7                    | <b>4.63</b>  | 1290                   | 4.2            |                  |                               |               |      |
|         | 366                         | 13.8                    | <b>3.82</b>  | 1210                   | 5.1            | TRC01            | 80B5/B14                      | 6P            | 22   |
|         | 38                          | 132                     | <b>23.56</b> | 2580                   | 0.91           |                  |                               |               |      |
|         | 45                          | 111                     | <b>19.83</b> | 2440                   | 1.1            |                  |                               |               |      |
|         | 62                          | 82                      | <b>14.62</b> | 2200                   | 1.5            |                  |                               |               |      |
|         | 65                          | 77                      | <b>13.80</b> | 2160                   | 1.2            |                  |                               |               |      |
|         | 76                          | 67                      | <b>11.90</b> | 2060                   | 1.8            |                  |                               |               |      |
|         | 92                          | 55                      | <b>9.81</b>  | 1930                   | 2.2            |                  |                               |               |      |
|         | 98                          | 51                      | <b>9.17</b>  | 1890                   | 1.6            |                  |                               |               |      |
|         | 117                         | 43                      | <b>7.72</b>  | 1780                   | 1.8            |                  |                               |               |      |
|         | 158                         | 32                      | <b>5.69</b>  | 1610                   | 2.2            |                  |                               |               |      |
|         | 194                         | 26                      | <b>4.63</b>  | 1500                   | 2.7            |                  |                               |               |      |
|         | 236                         | 21                      | <b>3.82</b>  | 1410                   | 3.3            |                  |                               |               |      |
|         | 52                          | 97                      | <b>54.00</b> | 3880                   | 2.1            | TRC02            | 71B5/B14                      | 2P            | 23   |
|         | 60                          | 84                      | <b>46.46</b> | 3690                   | 2.4            |                  |                               |               |      |
|         | 69                          | 73                      | <b>40.60</b> | 3530                   | 2.7            |                  |                               |               |      |
|         | 78                          | 65                      | <b>35.91</b> | 3390                   | 3.1            |                  |                               |               |      |
|         | 97                          | 52                      | <b>28.88</b> | 3150                   | 3.8            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.55 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         | 26                          | 194                     | <b>54.00</b> | 4500                   | 1.0            | TRC02            | 80B5/B14                      | 4P            | 23   |
|         | 30                          | 167                     | <b>46.46</b> | 4500                   | 1.2            |                  |                               |               |      |
|         | 34                          | 146                     | <b>40.60</b> | 4500                   | 1.4            |                  |                               |               |      |
|         | 39                          | 129                     | <b>35.91</b> | 4270                   | 1.5            |                  |                               |               |      |
|         | 48                          | 104                     | <b>28.88</b> | 3970                   | 1.9            |                  |                               |               |      |
|         | 59                          | 86                      | <b>23.85</b> | 3730                   | 2.3            |                  |                               |               |      |
|         | 70                          | 72                      | <b>20.08</b> | 3520                   | 2.8            |                  |                               |               |      |
|         | 82                          | 62                      | <b>17.10</b> | 3330                   | 2.3            |                  |                               |               |      |
|         | 95                          | 53                      | <b>14.81</b> | 3180                   | 3.7            |                  |                               |               |      |
|         | 106                         | 48                      | <b>13.21</b> | 3060                   | 2.9            |                  |                               |               |      |
|         | 22                          | 227                     | <b>40.60</b> | 4500                   | 0.88           | TRC02            | 80B5/B14                      | 6P            | 23   |
|         | 25                          | 201                     | <b>35.91</b> | 4500                   | 1.0            |                  |                               |               |      |
|         | 31                          | 162                     | <b>28.88</b> | 4500                   | 1.2            |                  |                               |               |      |
|         | 38                          | 134                     | <b>23.85</b> | 4320                   | 1.5            |                  |                               |               |      |
|         | 45                          | 113                     | <b>20.08</b> | 4080                   | 1.8            |                  |                               |               |      |
|         | 53                          | 96                      | <b>17.10</b> | 3860                   | 1.5            |                  |                               |               |      |
|         | 61                          | 83                      | <b>14.81</b> | 3680                   | 2.4            |                  |                               |               |      |
|         | 68                          | 74                      | <b>13.21</b> | 3550                   | 1.9            |                  |                               |               |      |
|         | 103                         | 49                      | <b>8.78</b>  | 3090                   | 2.4            |                  |                               |               |      |
|         | 24                          | 209                     | <b>58.09</b> | 6000                   | 1.4            | TRC03            | 80B5/B14                      | 4P            | 24   |
|         | 28                          | 180                     | <b>50.02</b> | 6000                   | 1.7            |                  |                               |               |      |
|         | 32                          | 158                     | <b>43.75</b> | 6000                   | 1.9            |                  |                               |               |      |
|         | 36                          | 139                     | <b>38.73</b> | 6000                   | 2.2            |                  |                               |               |      |
|         | 40                          | 125                     | <b>34.62</b> | 5860                   | 2.4            |                  |                               |               |      |
|         | 49                          | 102                     | <b>28.30</b> | 5480                   | 2.9            |                  |                               |               |      |
|         | 64                          | 78                      | <b>21.78</b> | 5020                   | 3.6            |                  |                               |               |      |
|         | 81                          | 62                      | <b>17.33</b> | 4660                   | 4.5            |                  |                               |               |      |
|         | 15.5                        | 325                     | <b>58.09</b> | 6000                   | 0.92           | TRC03            | 80B5/B14                      | 6P            | 24   |
|         | 18                          | 280                     | <b>50.02</b> | 6000                   | 1.1            |                  |                               |               |      |
|         | 21                          | 245                     | <b>43.75</b> | 6000                   | 1.2            |                  |                               |               |      |
|         | 23                          | 217                     | <b>38.73</b> | 6000                   | 1.4            |                  |                               |               |      |
|         | 26                          | 194                     | <b>34.62</b> | 6000                   | 1.5            |                  |                               |               |      |
|         | 32                          | 159                     | <b>28.30</b> | 6000                   | 1.9            |                  |                               |               |      |
|         | 41                          | 122                     | <b>21.78</b> | 5820                   | 2.3            |                  |                               |               |      |
|         | 52                          | 97                      | <b>17.33</b> | 5400                   | 2.9            |                  |                               |               |      |
|         | 60                          | 84                      | <b>15.06</b> | 5150                   | 3.1            |                  |                               |               |      |
|         | 73                          | 69                      | <b>12.37</b> | 4820                   | 3.8            |                  |                               |               |      |
|         | 24                          | 209                     | <b>58.09</b> | 8000                   | 2.4            | TRC04            | 80B5/B14                      | 4P            | 25   |
|         | 28                          | 180                     | <b>50.02</b> | 8000                   | 2.8            |                  |                               |               |      |
|         | 32                          | 158                     | <b>43.75</b> | 8000                   | 3.2            |                  |                               |               |      |
|         | 36                          | 139                     | <b>38.73</b> | 8000                   | 3.6            |                  |                               |               |      |
|         | 40                          | 125                     | <b>34.62</b> | 7950                   | 4.0            |                  |                               |               |      |
|         | 15.5                        | 325                     | <b>58.09</b> | 8000                   | 1.5            | TRC04            | 80B5/B14                      | 6P            | 25   |
|         | 18                          | 280                     | <b>50.02</b> | 8000                   | 1.8            |                  |                               |               |      |
|         | 21                          | 245                     | <b>43.75</b> | 8000                   | 2.0            |                  |                               |               |      |
|         | 23                          | 217                     | <b>38.73</b> | 8000                   | 2.3            |                  |                               |               |      |
|         | 26                          | 194                     | <b>34.62</b> | 8000                   | 2.6            |                  |                               |               |      |
|         | 32                          | 159                     | <b>28.30</b> | 8000                   | 3.2            |                  |                               |               |      |
|         | 41                          | 122                     | <b>21.78</b> | 7890                   | 3.9            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.75 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         | 61                          | 113                     | <b>45.89</b> | 2210                   | 1.1            | TRC01            | 80B5/B14                      | 2P            | 22   |
|         | 70                          | 98                      | <b>40.10</b> | 2110                   | 1.2            |                  |                               |               |      |
|         | 79                          | 87                      | <b>35.47</b> | 2030                   | 1.4            |                  |                               |               |      |
|         | 98                          | 70                      | <b>28.50</b> | 1880                   | 1.7            |                  |                               |               |      |
|         | 119                         | 58                      | <b>23.56</b> | 1770                   | 2.1            |                  |                               |               |      |
|         | 141                         | 49                      | <b>19.83</b> | 1670                   | 2.5            |                  |                               |               |      |
|         | 157                         | 44                      | <b>17.86</b> | 1610                   | 2.1            |                  |                               |               |      |
|         | 192                         | 36                      | <b>14.62</b> | 1510                   | 3.3            |                  |                               |               |      |
|         | 203                         | 34                      | <b>13.80</b> | 1480                   | 2.7            |                  |                               |               |      |
|         | 59                          | 116                     | <b>23.56</b> | 2230                   | 1.0            | TRC01            | 80B5/B14                      | 4P            | 22   |
|         | 71                          | 97                      | <b>19.83</b> | 2100                   | 1.2            |                  |                               |               |      |
|         | 78                          | 88                      | <b>17.86</b> | 2030                   | 1.0            |                  |                               |               |      |
|         | 96                          | 72                      | <b>14.62</b> | 1900                   | 1.7            |                  |                               |               |      |
|         | 101                         | 68                      | <b>13.80</b> | 1860                   | 1.3            |                  |                               |               |      |
|         | 118                         | 58                      | <b>11.90</b> | 1770                   | 2.1            |                  |                               |               |      |
|         | 143                         | 48                      | <b>9.81</b>  | 1660                   | 2.5            |                  |                               |               |      |
|         | 153                         | 45                      | <b>9.17</b>  | 1630                   | 1.8            |                  |                               |               |      |
|         | 181                         | 38                      | <b>7.72</b>  | 1540                   | 2.1            |                  |                               |               |      |
|         | 246                         | 28                      | <b>5.69</b>  | 1390                   | 2.5            |                  |                               |               |      |
|         | 302                         | 23                      | <b>4.63</b>  | 1290                   | 3.1            |                  |                               |               |      |
|         | 366                         | 18.8                    | <b>3.82</b>  | 1210                   | 3.7            |                  |                               |               |      |
|         | 62                          | 112                     | <b>14.62</b> | 2200                   | 1.1            | TRC01            | 90B5/B14                      | 6P            | 22   |
|         | 76                          | 91                      | <b>11.90</b> | 2060                   | 1.3            |                  |                               |               |      |
|         | 92                          | 75                      | <b>9.81</b>  | 1930                   | 1.6            |                  |                               |               |      |
|         | 98                          | 70                      | <b>9.17</b>  | 1890                   | 1.1            |                  |                               |               |      |
|         | 117                         | 59                      | <b>7.72</b>  | 1780                   | 1.4            |                  |                               |               |      |
|         | 158                         | 43                      | <b>5.69</b>  | 1610                   | 1.6            |                  |                               |               |      |
|         | 194                         | 35                      | <b>4.63</b>  | 1500                   | 2.0            |                  |                               |               |      |
|         | 236                         | 29                      | <b>3.82</b>  | 1410                   | 2.4            |                  |                               |               |      |
|         | 52                          | 133                     | <b>54.00</b> | 3880                   | 1.5            | TRC02            | 80B5/B14                      | 2P            | 23   |
|         | 60                          | 114                     | <b>46.46</b> | 3690                   | 1.8            |                  |                               |               |      |
|         | 69                          | 100                     | <b>40.60</b> | 3530                   | 2.0            |                  |                               |               |      |
|         | 78                          | 88                      | <b>35.91</b> | 3390                   | 2.3            |                  |                               |               |      |
|         | 97                          | 71                      | <b>28.88</b> | 3150                   | 2.8            |                  |                               |               |      |
|         | 117                         | 59                      | <b>23.85</b> | 2960                   | 3.4            |                  |                               |               |      |
|         | 139                         | 49                      | <b>20.08</b> | 2790                   | 4.1            |                  |                               |               |      |
|         | 164                         | 42                      | <b>17.10</b> | 2650                   | 3.3            |                  |                               |               |      |
|         | 30                          | 228                     | <b>46.46</b> | 4500                   | 0.88           | TRC02            | 80B5/B14                      | 4P            | 23   |
|         | 34                          | 199                     | <b>40.60</b> | 4500                   | 1.0            |                  |                               |               |      |
|         | 39                          | 176                     | <b>35.91</b> | 4270                   | 1.1            |                  |                               |               |      |
|         | 48                          | 142                     | <b>28.88</b> | 3970                   | 1.4            |                  |                               |               |      |
|         | 59                          | 117                     | <b>23.85</b> | 3730                   | 1.7            |                  |                               |               |      |
|         | 70                          | 99                      | <b>20.08</b> | 3520                   | 2.0            |                  |                               |               |      |
|         | 82                          | 84                      | <b>17.10</b> | 3330                   | 1.7            |                  |                               |               |      |
|         | 95                          | 73                      | <b>14.81</b> | 3180                   | 2.7            |                  |                               |               |      |
|         | 106                         | 65                      | <b>13.21</b> | 3060                   | 2.2            |                  |                               |               |      |
|         | 116                         | 59                      | <b>12.05</b> | 2970                   | 3.4            |                  |                               |               |      |
|         | 141                         | 49                      | <b>9.93</b>  | 2780                   | 4.1            |                  |                               |               |      |
|         | 159                         | 43                      | <b>8.78</b>  | 2670                   | 2.8            |                  |                               |               |      |
|         | 189                         | 36                      | <b>7.39</b>  | 2520                   | 3.3            |                  |                               |               |      |
|         | 257                         | 27                      | <b>5.45</b>  | 2280                   | 3.7            |                  |                               |               |      |



# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 0.75 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|---------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|         |                             |                         |              |                        |                |                  |                               |               |      |
|         | 38                          | 182                     | <b>23.85</b> | 4320                   | 1.1            | TRC02            | 90B5/B14                      | 6P            | 23   |
|         | 45                          | 153                     | <b>20.08</b> | 4080                   | 1.3            |                  |                               |               |      |
|         | 61                          | 113                     | <b>14.81</b> | 3680                   | 1.8            |                  |                               |               |      |
|         | 68                          | 101                     | <b>13.21</b> | 3550                   | 1.4            |                  |                               |               |      |
|         | 75                          | 92                      | <b>12.05</b> | 3440                   | 2.2            |                  |                               |               |      |
|         | 91                          | 76                      | <b>9.93</b>  | 3220                   | 2.6            |                  |                               |               |      |
|         | 103                         | 67                      | <b>8.78</b>  | 3090                   | 1.8            |                  |                               |               |      |
|         | 122                         | 56                      | <b>7.39</b>  | 2920                   | 2.1            |                  |                               |               |      |
|         | 165                         | 42                      | <b>5.45</b>  | 2640                   | 2.4            |                  |                               |               |      |
|         |                             |                         |              |                        |                |                  |                               |               |      |
|         | 48                          | 143                     | <b>58.09</b> | 5530                   | 2.1            | TRC03            | 80B5/B14                      | 2P            | 24   |
|         | 56                          | 123                     | <b>50.02</b> | 5260                   | 2.4            |                  |                               |               |      |
|         | 64                          | 107                     | <b>43.75</b> | 5030                   | 2.8            |                  |                               |               |      |
|         | 72                          | 95                      | <b>38.73</b> | 4830                   | 3.2            |                  |                               |               |      |
|         | 81                          | 85                      | <b>34.62</b> | 4650                   | 3.5            |                  |                               |               |      |
|         | 24                          | 285                     | <b>58.09</b> | 6000                   | 1.1            | TRC03            | 80B5/B14                      | 4P            | 24   |
|         | 28                          | 246                     | <b>50.02</b> | 6000                   | 1.2            |                  |                               |               |      |
|         | 32                          | 215                     | <b>43.75</b> | 6000                   | 1.4            |                  |                               |               |      |
|         | 36                          | 190                     | <b>38.73</b> | 6000                   | 1.6            |                  |                               |               |      |
|         | 40                          | 170                     | <b>34.62</b> | 5860                   | 1.8            |                  |                               |               |      |
|         | 49                          | 139                     | <b>28.30</b> | 5480                   | 2.2            |                  |                               |               |      |
|         | 64                          | 107                     | <b>21.78</b> | 5020                   | 2.6            |                  |                               |               |      |
|         | 81                          | 85                      | <b>17.33</b> | 4660                   | 3.3            |                  |                               |               |      |
|         | 93                          | 74                      | <b>15.06</b> | 4440                   | 3.5            |                  |                               |               |      |
|         |                             |                         |              |                        |                |                  |                               |               |      |
|         | 23                          | 296                     | <b>38.73</b> | 6000                   | 1.0            | TRC03            | 90B5/B14                      | 6P            | 24   |
|         | 26                          | 264                     | <b>34.62</b> | 6000                   | 1.1            |                  |                               |               |      |
|         | 32                          | 216                     | <b>28.30</b> | 6000                   | 1.4            |                  |                               |               |      |
|         | 41                          | 166                     | <b>21.78</b> | 5820                   | 1.7            |                  |                               |               |      |
|         | 52                          | 132                     | <b>17.33</b> | 5400                   | 2.1            |                  |                               |               |      |
|         | 60                          | 115                     | <b>15.06</b> | 5150                   | 2.3            |                  |                               |               |      |
|         | 73                          | 95                      | <b>12.37</b> | 4820                   | 2.8            |                  |                               |               |      |
|         | 88                          | 79                      | <b>10.28</b> | 4530                   | 3.1            |                  |                               |               |      |
|         | 113                         | 61                      | <b>7.93</b>  | 4160                   | 3.0            |                  |                               |               |      |
|         | 143                         | 48                      | <b>6.31</b>  | 3850                   | 3.7            |                  |                               |               |      |
|         | 164                         | 42                      | <b>5.48</b>  | 3670                   | 3.6            | TRC04            | 80B5/B14                      | 4P            | 25   |
|         | 24                          | 285                     | <b>58.09</b> | 8000                   | 1.8            |                  |                               |               |      |
|         | 28                          | 246                     | <b>50.02</b> | 8000                   | 2.0            |                  |                               |               |      |
|         | 32                          | 215                     | <b>43.75</b> | 8000                   | 2.3            |                  |                               |               |      |
|         | 36                          | 190                     | <b>38.73</b> | 8000                   | 2.6            |                  |                               |               |      |
|         | 40                          | 170                     | <b>34.62</b> | 7950                   | 2.9            |                  |                               |               |      |
|         | 49                          | 139                     | <b>28.30</b> | 7430                   | 3.6            |                  |                               |               |      |
|         | 64                          | 107                     | <b>21.78</b> | 6810                   | 4.5            |                  |                               |               |      |
|         |                             |                         |              |                        |                |                  |                               |               |      |
|         |                             |                         |              |                        |                |                  |                               |               |      |
|         | 15.5                        | 444                     | <b>58.09</b> | 8000                   | 1.1            | TRC04            | 90B5/B14                      | 6P            | 25   |
|         | 18.0                        | 382                     | <b>50.02</b> | 8000                   | 1.3            |                  |                               |               |      |
|         | 21                          | 334                     | <b>43.75</b> | 8000                   | 1.5            |                  |                               |               |      |
|         | 23                          | 296                     | <b>38.73</b> | 8000                   | 1.7            |                  |                               |               |      |
|         | 26                          | 264                     | <b>34.62</b> | 8000                   | 1.9            |                  |                               |               |      |
|         | 32                          | 216                     | <b>28.30</b> | 8000                   | 2.3            |                  |                               |               |      |
|         | 41                          | 166                     | <b>21.78</b> | 7890                   | 2.9            |                  |                               |               |      |
|         | 52                          | 132                     | <b>17.33</b> | 7310                   | 3.6            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 1.1 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|        | 98                          | 103                     | <b>28.50</b> | 1880                   | 1.2            | TRC01            | 80B5/B14                      | 2P            | 22   |
|        | 119                         | 85                      | <b>23.56</b> | 1770                   | 1.4            |                  |                               |               |      |
|        | 141                         | 71                      | <b>19.83</b> | 1670                   | 1.7            |                  |                               |               |      |
|        | 157                         | 64                      | <b>17.86</b> | 1610                   | 1.4            |                  |                               |               |      |
|        | 192                         | 53                      | <b>14.62</b> | 1510                   | 2.3            |                  |                               |               |      |
|        | 203                         | 50                      | <b>13.80</b> | 1480                   | 1.8            |                  |                               |               |      |
|        | 235                         | 43                      | <b>11.90</b> | 1410                   | 2.8            |                  |                               |               |      |
|        | 285                         | 35                      | <b>9.81</b>  | 1320                   | 3.4            |                  |                               |               |      |
|        | 305                         | 33                      | <b>9.17</b>  | 1290                   | 2.4            |                  |                               |               |      |
|        | 363                         | 28                      | <b>7.72</b>  | 1220                   | 2.9            |                  |                               |               |      |
|        | 492                         | 20                      | <b>5.69</b>  | 1100                   | 3.4            |                  |                               |               |      |
|        | 605                         | 16.7                    | <b>4.63</b>  | 1030                   | 4.2            |                  |                               |               |      |
|        | 733                         | 13.8                    | <b>3.82</b>  | 960                    | 5.1            |                  |                               |               |      |
|        | 96                          | 105                     | <b>14.62</b> | 1900                   | 1.1            | TRC01            | 90B5/B14                      | 4P            | 22   |
|        | 118                         | 86                      | <b>11.90</b> | 1770                   | 1.4            |                  |                               |               |      |
|        | 143                         | 71                      | <b>9.81</b>  | 1660                   | 1.7            |                  |                               |               |      |
|        | 153                         | 66                      | <b>9.17</b>  | 1630                   | 1.2            |                  |                               |               |      |
|        | 181                         | 56                      | <b>7.72</b>  | 1540                   | 1.4            |                  |                               |               |      |
|        | 246                         | 41                      | <b>5.69</b>  | 1390                   | 1.7            |                  |                               |               |      |
|        | 302                         | 33                      | <b>4.63</b>  | 1290                   | 2.1            |                  |                               |               |      |
|        | 366                         | 28                      | <b>3.82</b>  | 1210                   | 2.5            |                  |                               |               |      |
|        | 92                          | 110                     | <b>9.81</b>  | 1930                   | 1.1            | TRC01            | 90B5/B14                      | 6P            | 22   |
|        | 117                         | 87                      | <b>7.72</b>  | 1780                   | 0.92           |                  |                               |               |      |
|        | 158                         | 64                      | <b>5.69</b>  | 1610                   | 1.1            |                  |                               |               |      |
|        | 194                         | 52                      | <b>4.63</b>  | 1500                   | 1.3            |                  |                               |               |      |
|        | 236                         | 43                      | <b>3.82</b>  | 1410                   | 1.6            | TRC02            | 80B5/B14                      | 2P            | 23   |
|        | 52                          | 194                     | <b>54.00</b> | 3880                   | 1.0            |                  |                               |               |      |
|        | 60                          | 167                     | <b>46.46</b> | 3690                   | 1.2            |                  |                               |               |      |
|        | 69                          | 146                     | <b>40.60</b> | 3530                   | 1.4            |                  |                               |               |      |
|        | 78                          | 129                     | <b>35.91</b> | 3390                   | 1.5            |                  |                               |               |      |
|        | 97                          | 104                     | <b>28.88</b> | 3150                   | 1.9            |                  |                               |               |      |
|        | 117                         | 86                      | <b>23.85</b> | 2960                   | 2.3            |                  |                               |               |      |
|        | 139                         | 72                      | <b>20.08</b> | 2790                   | 2.8            |                  |                               |               |      |
|        | 164                         | 62                      | <b>17.10</b> | 2650                   | 2.3            |                  |                               |               |      |
|        | 189                         | 53                      | <b>14.81</b> | 2520                   | 3.7            |                  |                               |               |      |
|        | 212                         | 48                      | <b>13.21</b> | 2430                   | 2.9            |                  |                               |               |      |
|        | 48                          | 208                     | <b>28.88</b> | 3970                   | 0.96           | TRC02            | 90B5/B14                      | 4P            | 23   |
|        | 59                          | 172                     | <b>23.85</b> | 3730                   | 1.2            |                  |                               |               |      |
|        | 70                          | 145                     | <b>20.08</b> | 3520                   | 1.4            |                  |                               |               |      |
|        | 95                          | 107                     | <b>14.81</b> | 3180                   | 1.9            |                  |                               |               |      |
|        | 106                         | 95                      | <b>13.21</b> | 3060                   | 1.5            |                  |                               |               |      |
|        | 116                         | 87                      | <b>12.05</b> | 2970                   | 2.3            |                  |                               |               |      |
|        | 141                         | 72                      | <b>9.93</b>  | 2780                   | 2.8            |                  |                               |               |      |
|        | 159                         | 63                      | <b>8.78</b>  | 2670                   | 1.9            |                  |                               |               |      |
|        | 189                         | 53                      | <b>7.39</b>  | 2520                   | 2.3            |                  |                               |               |      |
|        | 257                         | 39                      | <b>5.45</b>  | 2280                   | 2.5            |                  |                               |               |      |
|        | 316                         | 32                      | <b>4.43</b>  | 2120                   | 3.1            |                  |                               |               |      |
|        | 383                         | 26                      | <b>3.66</b>  | 1990                   | 3.0            |                  |                               |               |      |
|        | 61                          | 166                     | <b>14.81</b> | 3680                   | 1.2            | TRC02            | 90B5/B14                      | 6P            | 23   |
|        | 75                          | 135                     | <b>12.05</b> | 3440                   | 1.5            |                  |                               |               |      |
|        | 91                          | 111                     | <b>9.93</b>  | 3220                   | 1.8            |                  |                               |               |      |
|        | 103                         | 98                      | <b>8.78</b>  | 3090                   | 1.2            |                  |                               |               |      |
|        | 122                         | 83                      | <b>7.39</b>  | 2920                   | 1.4            |                  |                               |               |      |
|        | 165                         | 61                      | <b>5.45</b>  | 2640                   | 1.6            |                  |                               |               |      |
|        | 203                         | 50                      | <b>4.43</b>  | 2460                   | 2.0            |                  |                               |               |      |
|        | 246                         | 41                      | <b>3.66</b>  | 2310                   | 2.0            |                  |                               |               |      |



# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 1.1 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|        |                             |                         |              |                        |                |                  |                               |               |      |
| 1.1 kW | 48                          | 209                     | <b>58.09</b> | 5530                   | 1.4            | TRC03            | 80B5/B14                      | 2P            | 24   |
|        | 56                          | 180                     | <b>50.02</b> | 5260                   | 1.7            |                  |                               |               |      |
|        | 64                          | 158                     | <b>43.75</b> | 5030                   | 1.9            |                  |                               |               |      |
|        | 72                          | 139                     | <b>38.73</b> | 4830                   | 2.2            |                  |                               |               |      |
|        | 81                          | 125                     | <b>34.62</b> | 4650                   | 2.4            |                  |                               |               |      |
|        | 99                          | 102                     | <b>28.30</b> | 4350                   | 2.9            |                  |                               |               |      |
|        | 129                         | 78                      | <b>21.78</b> | 3990                   | 3.6            |                  |                               |               |      |
|        | 32                          | 315                     | <b>43.75</b> | 6000                   | 0.95           | TRC03            | 90B5/B14                      | 4P            | 24   |
|        | 36                          | 279                     | <b>38.73</b> | 6000                   | 1.1            |                  |                               |               |      |
|        | 40                          | 249                     | <b>34.62</b> | 5860                   | 1.2            |                  |                               |               |      |
|        | 49                          | 204                     | <b>28.30</b> | 5480                   | 1.5            |                  |                               |               |      |
|        | 64                          | 157                     | <b>21.78</b> | 5020                   | 1.8            |                  |                               |               |      |
|        | 81                          | 125                     | <b>17.33</b> | 4660                   | 2.2            |                  |                               |               |      |
|        | 93                          | 108                     | <b>15.06</b> | 4440                   | 2.4            |                  |                               |               |      |
|        | 113                         | 89                      | <b>12.37</b> | 4160                   | 2.9            |                  |                               |               |      |
|        | 136                         | 74                      | <b>10.28</b> | 3910                   | 3.2            |                  |                               |               |      |
|        | 177                         | 57                      | <b>7.93</b>  | 3590                   | 3.2            |                  |                               |               |      |
|        | 222                         | 45                      | <b>6.31</b>  | 3320                   | 4.0            |                  |                               |               |      |
|        | 255                         | 39                      | <b>5.48</b>  | 3170                   | 3.8            |                  |                               |               |      |
|        | 311                         | 32                      | <b>4.50</b>  | 2970                   | 4.6            |                  |                               |               |      |
|        | 374                         | 27                      | <b>3.74</b>  | 2790                   | 5.6            |                  |                               |               |      |
|        | 32                          | 317                     | <b>28.30</b> | 6000                   | 0.95           | TRC03            | 90B5/B14                      | 6P            | 24   |
|        | 41                          | 244                     | <b>21.78</b> | 5820                   | 1.1            |                  |                               |               |      |
|        | 52                          | 194                     | <b>17.33</b> | 5400                   | 1.4            |                  |                               |               |      |
|        | 60                          | 169                     | <b>15.06</b> | 5150                   | 1.5            |                  |                               |               |      |
|        | 73                          | 139                     | <b>12.37</b> | 4820                   | 1.9            |                  |                               |               |      |
|        | 88                          | 115                     | <b>10.28</b> | 4530                   | 2.1            |                  |                               |               |      |
|        | 113                         | 89                      | <b>7.93</b>  | 4160                   | 2.0            |                  |                               |               |      |
|        | 143                         | 71                      | <b>6.31</b>  | 3850                   | 2.5            |                  |                               |               |      |
|        | 164                         | 61                      | <b>5.48</b>  | 3670                   | 2.4            |                  |                               |               |      |
|        | 200                         | 50                      | <b>4.50</b>  | 3440                   | 3.0            |                  |                               |               |      |
|        | 241                         | 42                      | <b>3.74</b>  | 3230                   | 3.6            |                  |                               |               |      |
|        | 48                          | 209                     | <b>58.09</b> | 7500                   | 2.4            | TRC04            | 80B5/B14                      | 2P            | 25   |
|        | 56                          | 180                     | <b>50.02</b> | 7130                   | 2.8            |                  |                               |               |      |
|        | 64                          | 158                     | <b>43.75</b> | 6820                   | 3.2            |                  |                               |               |      |
|        | 72                          | 139                     | <b>38.73</b> | 6550                   | 3.6            |                  |                               |               |      |
|        | 81                          | 125                     | <b>34.62</b> | 6310                   | 4.0            |                  |                               |               |      |
|        | 24                          | 418                     | <b>58.09</b> | 8000                   | 1.2            | TRC04            | 90B5/B14                      | 4P            | 25   |
|        | 28                          | 360                     | <b>50.02</b> | 8000                   | 1.4            |                  |                               |               |      |
|        | 32                          | 315                     | <b>43.75</b> | 8000                   | 1.6            |                  |                               |               |      |
|        | 36                          | 279                     | <b>38.73</b> | 8000                   | 1.8            |                  |                               |               |      |
|        | 40                          | 249                     | <b>34.62</b> | 7950                   | 2.0            |                  |                               |               |      |
|        | 49                          | 204                     | <b>28.30</b> | 7430                   | 2.5            |                  |                               |               |      |
|        | 64                          | 157                     | <b>21.78</b> | 6810                   | 3.1            |                  |                               |               |      |
|        | 81                          | 125                     | <b>17.33</b> | 6310                   | 3.8            |                  |                               |               |      |
|        | 93                          | 108                     | <b>15.06</b> | 6020                   | 4.2            |                  |                               |               |      |
|        | 21                          | 490                     | <b>43.75</b> | 8000                   | 1.0            | TRC04            | 90B5/B14                      | 6P            | 25   |
|        | 23                          | 434                     | <b>38.73</b> | 8000                   | 1.2            |                  |                               |               |      |
|        | 26                          | 388                     | <b>34.62</b> | 8000                   | 1.3            |                  |                               |               |      |
|        | 32                          | 317                     | <b>28.30</b> | 8000                   | 1.6            |                  |                               |               |      |
|        | 41                          | 244                     | <b>21.78</b> | 7890                   | 2.0            |                  |                               |               |      |
|        | 52                          | 194                     | <b>17.33</b> | 7310                   | 2.5            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

|               | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр.      |
|---------------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|-----------|
|               |                             |                         |              |                        |                |                  |                               |               |           |
| <b>1.1 kW</b> | 60                          | 169                     | <b>15.06</b> | 6980                   | 2.7            | <b>TRC04</b>     | <b>90B5/B14</b>               | <b>6P</b>     | <b>25</b> |
|               | 73                          | 139                     | <b>12.37</b> | 6540                   | 3.3            |                  |                               |               |           |
|               | 88                          | 115                     | <b>10.28</b> | 6150                   | 3.8            |                  |                               |               |           |
|               | 113                         | 89                      | <b>7.93</b>  | 5640                   | 2.9            |                  |                               |               |           |
|               | 143                         | 71                      | <b>6.31</b>  | 5220                   | 3.7            |                  |                               |               |           |
|               | 164                         | 61                      | <b>5.48</b>  | 4980                   | 3.7            |                  |                               |               |           |
| <b>1.5 kW</b> | 119                         | 116                     | <b>23.56</b> | 1770                   | 1.0            | <b>TRC01</b>     | <b>90B5/B14</b>               | <b>2P</b>     | <b>22</b> |
|               | 141                         | 97                      | <b>19.83</b> | 1670                   | 1.2            |                  |                               |               |           |
|               | 192                         | 72                      | <b>14.62</b> | 1510                   | 1.7            |                  |                               |               |           |
|               | 203                         | 68                      | <b>13.80</b> | 1480                   | 1.3            |                  |                               |               |           |
|               | 235                         | 58                      | <b>11.90</b> | 1410                   | 2.1            |                  |                               |               |           |
|               | 285                         | 48                      | <b>9.81</b>  | 1320                   | 2.5            |                  |                               |               |           |
|               | 305                         | 45                      | <b>9.17</b>  | 1290                   | 1.8            |                  |                               |               |           |
|               | 363                         | 38                      | <b>7.72</b>  | 1220                   | 2.1            |                  |                               |               |           |
|               | 492                         | 28                      | <b>5.69</b>  | 1100                   | 2.5            |                  |                               |               |           |
|               | 605                         | 23                      | <b>4.63</b>  | 1030                   | 3.1            |                  |                               |               |           |
|               | 733                         | 18.8                    | <b>3.82</b>  | 960                    | 3.7            |                  |                               |               |           |
|               | 118                         | 117                     | <b>11.90</b> | 1770                   | 1.0            | <b>TRC01</b>     | <b>90B5/B14</b>               | <b>4P</b>     | <b>22</b> |
|               | 143                         | 96                      | <b>9.81</b>  | 1660                   | 1.2            |                  |                               |               |           |
|               | 153                         | 90                      | <b>9.17</b>  | 1630                   | 0.89           |                  |                               |               |           |
|               | 181                         | 76                      | <b>7.72</b>  | 1540                   | 1.1            |                  |                               |               |           |
|               | 246                         | 56                      | <b>5.69</b>  | 1390                   | 1.3            |                  |                               |               |           |
|               | 302                         | 45                      | <b>4.63</b>  | 1290                   | 1.5            |                  |                               |               |           |
|               | 366                         | 38                      | <b>3.82</b>  | 1210                   | 1.9            |                  |                               |               |           |
|               | 69                          | 199                     | <b>40.60</b> | 3530                   | 1.0            | <b>TRC02</b>     | <b>90B5/B14</b>               | <b>2P</b>     | <b>23</b> |
|               | 78                          | 176                     | <b>35.91</b> | 3390                   | 1.1            |                  |                               |               |           |
|               | 97                          | 142                     | <b>28.88</b> | 3150                   | 1.4            |                  |                               |               |           |
|               | 117                         | 117                     | <b>23.85</b> | 2960                   | 1.7            |                  |                               |               |           |
|               | 139                         | 99                      | <b>20.08</b> | 2790                   | 2.0            |                  |                               |               |           |
|               | 189                         | 73                      | <b>14.81</b> | 2520                   | 2.7            |                  |                               |               |           |
|               | 212                         | 65                      | <b>13.21</b> | 2430                   | 2.2            |                  |                               |               |           |
|               | 232                         | 59                      | <b>12.05</b> | 2350                   | 3.4            |                  |                               |               |           |
|               | 282                         | 49                      | <b>9.93</b>  | 2210                   | 4.1            |                  |                               |               |           |
|               | 319                         | 43                      | <b>8.78</b>  | 2120                   | 2.8            |                  |                               |               |           |
|               | 379                         | 36                      | <b>7.39</b>  | 2000                   | 3.3            |                  |                               |               |           |
|               | 514                         | 27                      | <b>5.45</b>  | 1810                   | 3.7            |                  |                               |               |           |
|               | 95                          | 145                     | <b>14.81</b> | 3180                   | 1.4            | <b>TRC02</b>     | <b>90B5/B14</b>               | <b>4P</b>     | <b>23</b> |
|               | 116                         | 118                     | <b>12.05</b> | 2970                   | 1.7            |                  |                               |               |           |
|               | 141                         | 98                      | <b>9.93</b>  | 2780                   | 2.1            |                  |                               |               |           |
|               | 159                         | 86                      | <b>8.78</b>  | 2670                   | 1.4            |                  |                               |               |           |
|               | 189                         | 73                      | <b>7.39</b>  | 2520                   | 1.7            |                  |                               |               |           |
|               | 257                         | 54                      | <b>5.45</b>  | 2280                   | 1.9            |                  |                               |               |           |
|               | 316                         | 44                      | <b>4.43</b>  | 2120                   | 2.3            |                  |                               |               |           |
|               | 383                         | 36                      | <b>3.66</b>  | 1990                   | 2.2            |                  |                               |               |           |
|               | 48                          | 285                     | <b>58.09</b> | 5530                   | 1.1            | <b>TRC03</b>     | <b>90B5/B14</b>               | <b>2P</b>     | <b>24</b> |
|               | 56                          | 246                     | <b>50.02</b> | 5260                   | 1.2            |                  |                               |               |           |
|               | 64                          | 215                     | <b>43.75</b> | 5030                   | 1.4            |                  |                               |               |           |
|               | 72                          | 190                     | <b>38.73</b> | 4830                   | 1.6            |                  |                               |               |           |
|               | 81                          | 170                     | <b>34.62</b> | 4650                   | 1.8            |                  |                               |               |           |
|               | 99                          | 139                     | <b>28.30</b> | 4350                   | 2.2            |                  |                               |               |           |
|               | 129                         | 107                     | <b>21.78</b> | 3990                   | 2.6            |                  |                               |               |           |
|               | 162                         | 85                      | <b>17.33</b> | 3690                   | 3.3            |                  |                               |               |           |
|               | 186                         | 74                      | <b>15.06</b> | 3530                   | 3.5            |                  |                               |               |           |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 1.5 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|        |                             |                         |              |                        |                |                  |                               |               |      |
| 1.5 kW | 40                          | 340                     | <b>34.62</b> | 5860                   | 0.88           | TRC03            | 90B5/B14                      | 4P            | 24   |
|        | 49                          | 278                     | <b>28.30</b> | 5480                   | 1.1            |                  |                               |               |      |
|        | 64                          | 214                     | <b>21.78</b> | 5020                   | 1.3            |                  |                               |               |      |
|        | 81                          | 170                     | <b>17.33</b> | 4660                   | 1.6            |                  |                               |               |      |
|        | 93                          | 148                     | <b>15.06</b> | 4440                   | 1.8            |                  |                               |               |      |
|        | 113                         | 122                     | <b>12.37</b> | 4160                   | 2.1            |                  |                               |               |      |
|        | 136                         | 101                     | <b>10.28</b> | 3910                   | 2.4            |                  |                               |               |      |
|        | 177                         | 78                      | <b>7.93</b>  | 3590                   | 2.3            |                  |                               |               |      |
|        | 222                         | 62                      | <b>6.31</b>  | 3320                   | 2.9            |                  |                               |               |      |
|        | 255                         | 54                      | <b>5.48</b>  | 3170                   | 2.8            |                  |                               |               |      |
|        | 311                         | 44                      | <b>4.50</b>  | 2970                   | 3.4            |                  |                               |               |      |
|        | 374                         | 37                      | <b>3.74</b>  | 2790                   | 4.1            |                  |                               |               |      |
|        | 52                          | 265                     | <b>17.33</b> | 5400                   | 1.1            | TRC03            | 100B5/B14                     | 6P            | 24   |
|        | 60                          | 230                     | <b>15.06</b> | 5150                   | 1.1            |                  |                               |               |      |
|        | 73                          | 189                     | <b>12.37</b> | 4820                   | 1.4            |                  |                               |               |      |
|        | 88                          | 157                     | <b>10.28</b> | 4530                   | 1.5            |                  |                               |               |      |
|        | 113                         | 121                     | <b>7.93</b>  | 4160                   | 1.5            |                  |                               |               |      |
|        | 143                         | 96                      | <b>6.31</b>  | 3850                   | 1.9            |                  |                               |               |      |
|        | 164                         | 84                      | <b>5.48</b>  | 3670                   | 1.8            |                  |                               |               |      |
|        | 200                         | 69                      | <b>4.50</b>  | 3440                   | 2.2            |                  |                               |               |      |
|        | 241                         | 57                      | <b>3.74</b>  | 3230                   | 2.6            | TRC04            | 90B5/B14                      | 2P            | 25   |
|        | 48                          | 285                     | <b>58.09</b> | 7500                   | 1.8            |                  |                               |               |      |
|        | 56                          | 246                     | <b>50.02</b> | 7130                   | 2.0            |                  |                               |               |      |
|        | 64                          | 215                     | <b>43.75</b> | 6820                   | 2.3            |                  |                               |               |      |
|        | 72                          | 190                     | <b>38.73</b> | 6550                   | 2.6            |                  |                               |               |      |
|        | 81                          | 170                     | <b>34.62</b> | 6310                   | 2.9            |                  |                               |               |      |
|        | 99                          | 139                     | <b>28.30</b> | 5900                   | 3.6            | TRC04            | 90B5/B14                      | 4P            | 25   |
|        | 24                          | 571                     | <b>58.09</b> | 8000                   | 0.88           |                  |                               |               |      |
|        | 28                          | 491                     | <b>50.02</b> | 8000                   | 1.0            |                  |                               |               |      |
|        | 32                          | 430                     | <b>43.75</b> | 8000                   | 1.2            |                  |                               |               |      |
|        | 36                          | 380                     | <b>38.73</b> | 8000                   | 1.3            |                  |                               |               |      |
|        | 40                          | 340                     | <b>34.62</b> | 7950                   | 1.5            |                  |                               |               |      |
|        | 49                          | 278                     | <b>28.30</b> | 7430                   | 1.8            |                  |                               |               |      |
|        | 64                          | 214                     | <b>21.78</b> | 6810                   | 2.2            |                  |                               |               |      |
|        | 81                          | 170                     | <b>17.33</b> | 6310                   | 2.8            |                  |                               |               |      |
|        | 93                          | 148                     | <b>15.06</b> | 6020                   | 3.1            |                  |                               |               |      |
|        | 113                         | 122                     | <b>12.37</b> | 5640                   | 3.8            |                  |                               |               |      |
|        | 136                         | 101                     | <b>10.28</b> | 5300                   | 4.4            |                  |                               |               |      |
|        | 177                         | 78                      | <b>7.93</b>  | 4860                   | 3.3            |                  |                               |               |      |
|        | 222                         | 62                      | <b>6.31</b>  | 4510                   | 4.2            |                  |                               |               |      |
|        | 255                         | 54                      | <b>5.48</b>  | 4300                   | 4.3            |                  |                               |               |      |
|        | 26                          | 529                     | <b>34.62</b> | 8000                   | 0.95           | TRC04            | 100B5/B14                     | 6P            | 25   |
|        | 32                          | 432                     | <b>28.30</b> | 8000                   | 1.2            |                  |                               |               |      |
|        | 41                          | 333                     | <b>21.78</b> | 7890                   | 1.4            |                  |                               |               |      |
|        | 52                          | 265                     | <b>17.33</b> | 7310                   | 1.8            |                  |                               |               |      |
|        | 60                          | 230                     | <b>15.06</b> | 6980                   | 2.0            |                  |                               |               |      |
|        | 73                          | 189                     | <b>12.37</b> | 6540                   | 2.4            |                  |                               |               |      |
|        | 88                          | 157                     | <b>10.28</b> | 6150                   | 2.8            |                  |                               |               |      |
|        | 113                         | 121                     | <b>7.93</b>  | 5640                   | 2.1            |                  |                               |               |      |
|        | 143                         | 96                      | <b>6.31</b>  | 5220                   | 2.7            |                  |                               |               |      |
|        | 164                         | 84                      | <b>5.48</b>  | 4980                   | 2.7            |                  |                               |               |      |
|        | 200                         | 69                      | <b>4.50</b>  | 4660                   | 3.3            |                  |                               |               |      |
|        | 241                         | 57                      | <b>3.74</b>  | 4390                   | 3.5            |                  |                               |               |      |

# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 2.2 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|        | 97                          | 208                     | <b>28.88</b> | 3150                   | 0.96           | TRC02            | 90B5/B14                      | 2P            | 23   |
|        | 117                         | 172                     | <b>23.85</b> | 2960                   | 1.2            |                  |                               |               |      |
|        | 139                         | 145                     | <b>20.08</b> | 2790                   | 1.4            |                  |                               |               |      |
|        | 189                         | 107                     | <b>14.81</b> | 2520                   | 1.9            |                  |                               |               |      |
|        | 212                         | 95                      | <b>13.21</b> | 2430                   | 1.5            |                  |                               |               |      |
|        | 232                         | 87                      | <b>12.05</b> | 2350                   | 2.3            |                  |                               |               |      |
|        | 282                         | 72                      | <b>9.93</b>  | 2210                   | 2.8            |                  |                               |               |      |
|        | 319                         | 63                      | <b>8.78</b>  | 2120                   | 1.9            |                  |                               |               |      |
|        | 379                         | 53                      | <b>7.39</b>  | 2000                   | 2.3            |                  |                               |               |      |
|        | 514                         | 39                      | <b>5.45</b>  | 1810                   | 2.5            |                  |                               |               |      |
|        | 632                         | 32                      | <b>4.43</b>  | 1680                   | 3.1            |                  |                               |               |      |
|        | 765                         | 26                      | <b>3.66</b>  | 1580                   | 3.0            |                  |                               |               |      |
|        | 64                          | 315                     | <b>43.75</b> | 5030                   | 0.95           | TRC03            | 90B5/B14                      | 2P            | 24   |
|        | 72                          | 279                     | <b>38.73</b> | 4830                   | 1.1            |                  |                               |               |      |
|        | 81                          | 249                     | <b>34.62</b> | 4650                   | 1.2            |                  |                               |               |      |
|        | 99                          | 204                     | <b>28.30</b> | 4350                   | 1.5            |                  |                               |               |      |
|        | 129                         | 157                     | <b>21.78</b> | 3990                   | 1.8            |                  |                               |               |      |
|        | 162                         | 125                     | <b>17.33</b> | 3690                   | 2.2            |                  |                               |               |      |
|        | 186                         | 108                     | <b>15.06</b> | 3530                   | 2.4            |                  |                               |               |      |
|        | 226                         | 89                      | <b>12.37</b> | 3300                   | 2.9            |                  |                               |               |      |
|        | 272                         | 74                      | <b>10.28</b> | 3100                   | 3.2            |                  |                               |               |      |
|        | 353                         | 57                      | <b>7.93</b>  | 2850                   | 3.2            |                  |                               |               |      |
|        | 444                         | 45                      | <b>6.31</b>  | 2640                   | 4.0            |                  |                               |               |      |
|        | 511                         | 39                      | <b>5.48</b>  | 2520                   | 3.8            |                  |                               |               |      |
|        | 64                          | 314                     | <b>21.78</b> | 5020                   | 0.89           | TRC03            | 100B5/B14                     | 4P            | 24   |
|        | 81                          | 250                     | <b>17.33</b> | 4660                   | 1.1            |                  |                               |               |      |
|        | 93                          | 217                     | <b>15.06</b> | 4440                   | 1.2            |                  |                               |               |      |
|        | 113                         | 178                     | <b>12.37</b> | 4160                   | 1.5            |                  |                               |               |      |
|        | 136                         | 148                     | <b>10.28</b> | 3910                   | 1.6            |                  |                               |               |      |
|        | 177                         | 114                     | <b>7.93</b>  | 3590                   | 1.6            |                  |                               |               |      |
|        | 222                         | 91                      | <b>6.31</b>  | 3320                   | 2.0            |                  |                               |               |      |
|        | 255                         | 79                      | <b>5.48</b>  | 3170                   | 1.9            |                  |                               |               |      |
|        | 311                         | 65                      | <b>4.50</b>  | 2970                   | 2.3            |                  |                               |               |      |
|        | 374                         | 54                      | <b>3.74</b>  | 2790                   | 2.8            |                  |                               |               |      |
|        | 73                          | 277                     | <b>12.37</b> | 4820                   | 0.94           | TRC03            | 112B5/B14                     | 6P            | 24   |
|        | 88                          | 230                     | <b>10.28</b> | 4530                   | 1.0            |                  |                               |               |      |
|        | 113                         | 178                     | <b>7.93</b>  | 4160                   | 1.0            |                  |                               |               |      |
|        | 143                         | 141                     | <b>6.31</b>  | 3850                   | 1.3            |                  |                               |               |      |
|        | 164                         | 123                     | <b>5.48</b>  | 3670                   | 1.2            |                  |                               |               |      |
|        | 200                         | 101                     | <b>4.50</b>  | 3440                   | 1.5            |                  |                               |               |      |
|        | 241                         | 84                      | <b>3.74</b>  | 3230                   | 1.8            |                  |                               |               |      |
|        | 48                          | 418                     | <b>58.09</b> | 7500                   | 1.2            | TRC04            | 90B5/B14                      | 2P            | 25   |
|        | 56                          | 360                     | <b>50.02</b> | 7130                   | 1.4            |                  |                               |               |      |
|        | 64                          | 315                     | <b>43.75</b> | 6820                   | 1.6            |                  |                               |               |      |
|        | 72                          | 279                     | <b>38.73</b> | 6550                   | 1.8            |                  |                               |               |      |
|        | 81                          | 249                     | <b>34.62</b> | 6310                   | 2.0            |                  |                               |               |      |
|        | 99                          | 204                     | <b>28.30</b> | 5900                   | 2.5            |                  |                               |               |      |
|        | 129                         | 157                     | <b>21.78</b> | 5410                   | 3.1            |                  |                               |               |      |
|        | 162                         | 125                     | <b>17.33</b> | 5010                   | 3.8            |                  |                               |               |      |
|        | 40                          | 499                     | <b>34.62</b> | 7950                   | 1.0            | TRC04            | 100B5/B14                     | 4P            | 25   |
|        | 49                          | 408                     | <b>28.30</b> | 7430                   | 1.2            |                  |                               |               |      |
|        | 64                          | 314                     | <b>21.78</b> | 6810                   | 1.5            |                  |                               |               |      |
|        | 81                          | 250                     | <b>17.33</b> | 6310                   | 1.9            |                  |                               |               |      |

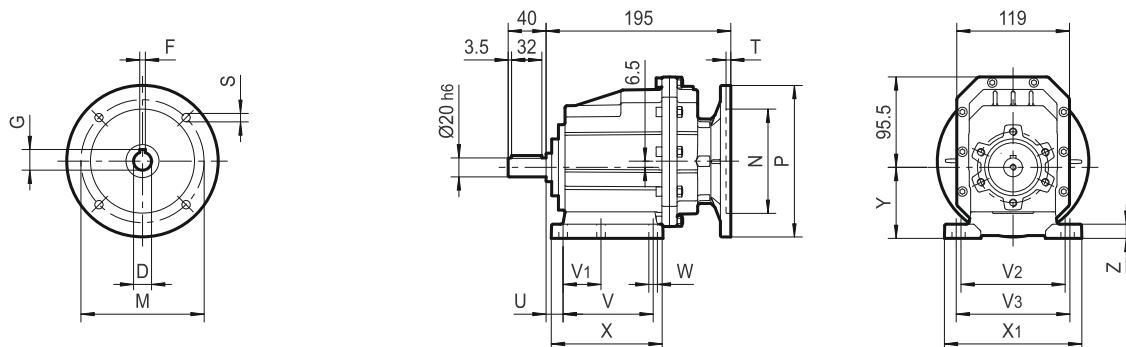
# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

|        | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | fs   | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|------|------------------|-------------------------------|---------------|------|
|        |                             |                         |              |                        |      |                  |                               |               |      |
| 2.2 kW | 93                          | 217                     | <b>15.06</b> | 6020                   | 2.1  | TRC04            | 100B5/B14                     | 4P            | 25   |
|        | 113                         | 178                     | <b>12.37</b> | 5640                   | 2.6  |                  |                               |               |      |
|        | 136                         | 148                     | <b>10.28</b> | 5300                   | 3.0  |                  |                               |               |      |
|        | 177                         | 114                     | <b>7.93</b>  | 4860                   | 2.3  |                  |                               |               |      |
|        | 222                         | 91                      | <b>6.31</b>  | 4510                   | 2.9  |                  |                               |               |      |
|        | 255                         | 79                      | <b>5.48</b>  | 4300                   | 2.9  |                  |                               |               |      |
|        | 311                         | 65                      | <b>4.50</b>  | 4030                   | 3.5  |                  |                               |               |      |
|        | 374                         | 54                      | <b>3.74</b>  | 3780                   | 3.7  |                  |                               |               |      |
|        | 41                          | 488                     | <b>21.78</b> | 7890                   | 1.0  | TRC04            | 112B5/B14                     | 6P            | 25   |
|        | 52                          | 388                     | <b>17.33</b> | 7310                   | 1.2  |                  |                               |               |      |
|        | 60                          | 338                     | <b>15.06</b> | 6980                   | 1.4  |                  |                               |               |      |
|        | 73                          | 277                     | <b>12.37</b> | 6540                   | 1.7  |                  |                               |               |      |
|        | 88                          | 230                     | <b>10.28</b> | 6150                   | 1.9  |                  |                               |               |      |
|        | 113                         | 178                     | <b>7.93</b>  | 5640                   | 1.5  |                  |                               |               |      |
|        | 143                         | 141                     | <b>6.31</b>  | 5220                   | 1.8  |                  |                               |               |      |
|        | 164                         | 123                     | <b>5.48</b>  | 4980                   | 1.9  |                  |                               |               |      |
|        | 200                         | 101                     | <b>4.50</b>  | 4660                   | 2.3  |                  |                               |               |      |
|        | 241                         | 84                      | <b>3.74</b>  | 4390                   | 2.4  |                  |                               |               |      |
|        | 99                          | 278                     | <b>28.30</b> | 4350                   | 1.1  | TRC03            | 100B5/B14                     | 2P            | 24   |
| 3.0 kW | 129                         | 214                     | <b>21.78</b> | 3990                   | 1.3  |                  |                               |               |      |
|        | 162                         | 170                     | <b>17.33</b> | 3690                   | 1.6  |                  |                               |               |      |
|        | 186                         | 148                     | <b>15.06</b> | 3530                   | 1.8  |                  |                               |               |      |
|        | 226                         | 122                     | <b>12.37</b> | 3300                   | 2.1  |                  |                               |               |      |
|        | 272                         | 101                     | <b>10.28</b> | 3100                   | 2.4  |                  |                               |               |      |
|        | 353                         | 78                      | <b>7.93</b>  | 2850                   | 2.3  |                  |                               |               |      |
|        | 444                         | 62                      | <b>6.31</b>  | 2640                   | 2.9  |                  |                               |               |      |
|        | 511                         | 54                      | <b>5.48</b>  | 2520                   | 2.8  |                  |                               |               |      |
|        | 622                         | 44                      | <b>4.50</b>  | 2350                   | 3.4  |                  |                               |               |      |
|        | 749                         | 37                      | <b>3.74</b>  | 2210                   | 4.1  |                  |                               |               |      |
|        | 93                          | 296                     | <b>15.06</b> | 4440                   | 0.88 | TRC03            | 100B5/B14                     | 4P            | 24   |
|        | 113                         | 243                     | <b>12.37</b> | 4160                   | 1.1  |                  |                               |               |      |
|        | 136                         | 202                     | <b>10.28</b> | 3910                   | 1.2  |                  |                               |               |      |
|        | 177                         | 156                     | <b>7.93</b>  | 3590                   | 1.2  |                  |                               |               |      |
|        | 222                         | 124                     | <b>6.31</b>  | 3320                   | 1.5  |                  |                               |               |      |
|        | 255                         | 108                     | <b>5.48</b>  | 3170                   | 1.4  |                  |                               |               |      |
|        | 311                         | 88                      | <b>4.50</b>  | 2970                   | 1.7  |                  |                               |               |      |
|        | 374                         | 73                      | <b>3.74</b>  | 2790                   | 2.0  |                  |                               |               |      |
|        | 81                          | 340                     | <b>34.62</b> | 6310                   | 1.5  | TRC04            | 100B5/B14                     | 2P            | 25   |
|        | 99                          | 278                     | <b>28.30</b> | 5900                   | 1.8  |                  |                               |               |      |
|        | 129                         | 214                     | <b>21.78</b> | 5410                   | 2.2  |                  |                               |               |      |
|        | 162                         | 170                     | <b>17.33</b> | 5010                   | 2.8  |                  |                               |               |      |
|        | 186                         | 148                     | <b>15.06</b> | 4780                   | 3.1  |                  |                               |               |      |
|        | 226                         | 122                     | <b>12.37</b> | 4480                   | 3.8  |                  |                               |               |      |
|        | 272                         | 101                     | <b>10.28</b> | 4210                   | 4.4  |                  |                               |               |      |
|        | 353                         | 78                      | <b>7.93</b>  | 3860                   | 3.3  |                  |                               |               |      |
|        | 444                         | 62                      | <b>6.31</b>  | 3580                   | 4.2  |                  |                               |               |      |
|        | 49                          | 556                     | <b>28.30</b> | 7430                   | 0.90 | TRC04            | 100B5/B14                     | 4P            | 25   |
|        | 64                          | 428                     | <b>21.78</b> | 6810                   | 1.1  |                  |                               |               |      |
|        | 81                          | 340                     | <b>17.33</b> | 6310                   | 1.4  |                  |                               |               |      |
|        | 93                          | 296                     | <b>15.06</b> | 6020                   | 1.6  |                  |                               |               |      |
|        | 113                         | 243                     | <b>12.37</b> | 5640                   | 1.9  |                  |                               |               |      |
|        | 136                         | 202                     | <b>10.28</b> | 5300                   | 2.2  |                  |                               |               |      |
|        | 177                         | 156                     | <b>7.93</b>  | 4860                   | 1.7  |                  |                               |               |      |

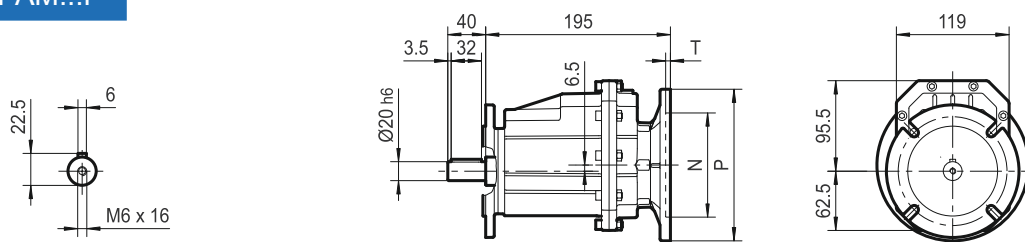
# ТАБЛИЦА ВЫБОРА РЕДУКТОРА

| 3.0 kW | n <sub>2</sub><br>[об/мин.] | M <sub>2n</sub><br>[Nm] | i            | F <sub>r2</sub><br>[N] | f <sub>s</sub> | Тип<br>редуктора | Габарит<br>входного<br>фланца | Тип<br>мотора | Стр. |
|--------|-----------------------------|-------------------------|--------------|------------------------|----------------|------------------|-------------------------------|---------------|------|
|        | 222                         | 124                     | <b>6.31</b>  | 4510                   | 2.1            | TRC04            | 100B5/B14                     | 4P            | 25   |
|        | 255                         | 108                     | <b>5.48</b>  | 4300                   | 2.1            |                  |                               |               |      |
|        | 311                         | 88                      | <b>4.50</b>  | 4030                   | 2.6            |                  |                               |               |      |
|        | 374                         | 73                      | <b>3.74</b>  | 3780                   | 2.7            |                  |                               |               |      |
| 4.0 kW | 162                         | 227                     | <b>17.33</b> | 3690                   | 1.2            | TRC03            | 112B5/B14                     | 2P            | 24   |
|        | 186                         | 197                     | <b>15.06</b> | 3530                   | 1.3            |                  |                               |               |      |
|        | 226                         | 162                     | <b>12.37</b> | 3300                   | 1.6            |                  |                               |               |      |
|        | 272                         | 135                     | <b>10.28</b> | 3100                   | 1.8            |                  |                               |               |      |
|        | 353                         | 104                     | <b>7.93</b>  | 2850                   | 1.7            |                  |                               |               |      |
|        | 444                         | 83                      | <b>6.31</b>  | 2640                   | 2.2            |                  |                               |               |      |
|        | 511                         | 72                      | <b>5.48</b>  | 2520                   | 2.1            |                  |                               |               |      |
|        | 622                         | 59                      | <b>4.50</b>  | 2350                   | 2.5            |                  |                               |               |      |
|        | 749                         | 49                      | <b>3.74</b>  | 2210                   | 3.1            |                  |                               |               |      |
|        | 136                         | 269                     | <b>10.28</b> | 3910                   | 0.89           | TRC03            | 112B5/B14                     | 4P            | 24   |
|        | 177                         | 208                     | <b>7.93</b>  | 3590                   | 0.87           |                  |                               |               |      |
|        | 222                         | 165                     | <b>6.31</b>  | 3320                   | 1.1            |                  |                               |               |      |
|        | 255                         | 144                     | <b>5.48</b>  | 3170                   | 1.0            |                  |                               |               |      |
|        | 311                         | 118                     | <b>4.50</b>  | 2970                   | 1.3            |                  |                               |               |      |
|        | 374                         | 98                      | <b>3.74</b>  | 2790                   | 1.5            |                  |                               |               |      |
|        | 81                          | 453                     | <b>34.62</b> | 6310                   | 1.1            | TRC04            | 112B5/B14                     | 2P            | 25   |
|        | 99                          | 371                     | <b>28.30</b> | 5900                   | 1.3            |                  |                               |               |      |
|        | 129                         | 285                     | <b>21.78</b> | 5410                   | 1.7            |                  |                               |               |      |
|        | 162                         | 227                     | <b>17.33</b> | 5010                   | 2.1            |                  |                               |               |      |
|        | 186                         | 197                     | <b>15.06</b> | 4780                   | 2.3            |                  |                               |               |      |
|        | 226                         | 162                     | <b>12.37</b> | 4480                   | 2.8            |                  |                               |               |      |
|        | 272                         | 135                     | <b>10.28</b> | 4210                   | 3.3            |                  |                               |               |      |
|        | 353                         | 104                     | <b>7.93</b>  | 3860                   | 2.5            |                  |                               |               |      |
|        | 444                         | 83                      | <b>6.31</b>  | 3580                   | 3.1            |                  |                               |               |      |
|        | 511                         | 72                      | <b>5.48</b>  | 3410                   | 3.2            |                  |                               |               |      |
|        | 622                         | 59                      | <b>4.50</b>  | 3190                   | 3.9            |                  |                               |               |      |
|        | 749                         | 49                      | <b>3.74</b>  | 3000                   | 4.1            |                  |                               |               |      |
|        | 81                          | 454                     | <b>17.33</b> | 6310                   | 1.1            | TRC04            | 112B5/B14                     | 4P            | 25   |
|        | 93                          | 394                     | <b>15.06</b> | 6020                   | 1.2            |                  |                               |               |      |
|        | 113                         | 324                     | <b>12.37</b> | 5640                   | 1.4            |                  |                               |               |      |
|        | 136                         | 269                     | <b>10.28</b> | 5300                   | 1.6            |                  |                               |               |      |
|        | 177                         | 208                     | <b>7.93</b>  | 4860                   | 1.3            |                  |                               |               |      |
|        | 222                         | 165                     | <b>6.31</b>  | 4510                   | 1.6            |                  |                               |               |      |
|        | 255                         | 144                     | <b>5.48</b>  | 4300                   | 1.6            |                  |                               |               |      |
|        | 311                         | 118                     | <b>4.50</b>  | 4030                   | 2.0            |                  |                               |               |      |
|        | 374                         | 98                      | <b>3.74</b>  | 3780                   | 2.0            |                  |                               |               |      |

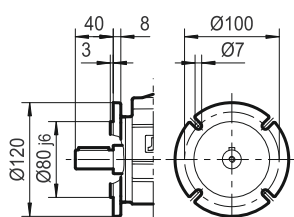
## TRC01...PAM...B(M)



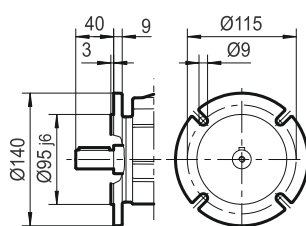
## TRC01...PAM...F



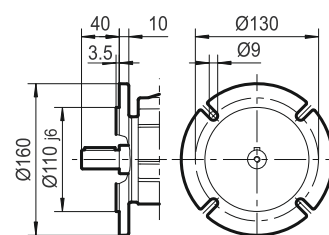
### F120



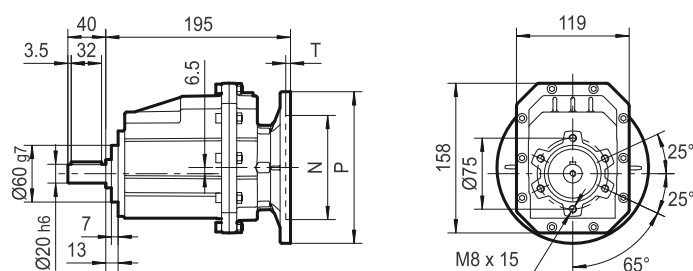
### F140



### F160



## TRC01...PAM

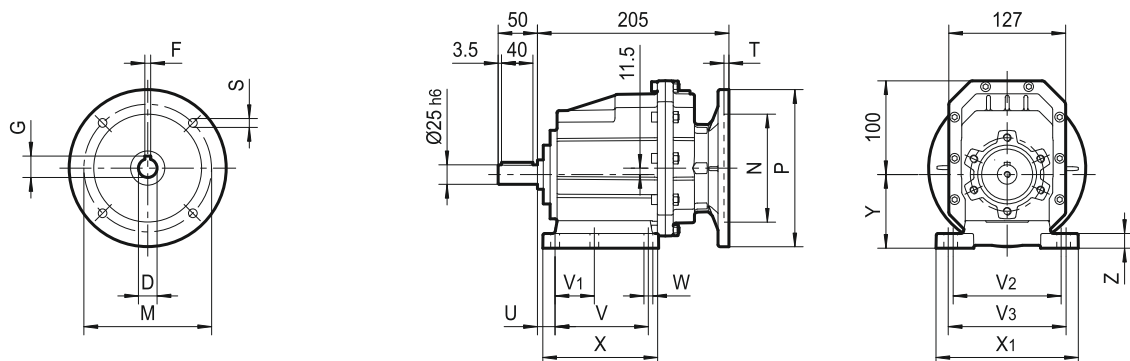


| PAM   | D  | F | G    | P   | M   | N   | S  | T |
|-------|----|---|------|-----|-----|-----|----|---|
| 63B5  | 11 | 4 | 12.8 | 140 | 115 | 95  | 9  | 5 |
| 71B5  | 14 | 5 | 16.3 | 160 | 130 | 110 | 9  | 5 |
| 71B14 | 14 | 5 | 16.3 | 105 | 85  | 70  | 7  | 5 |
| 80B5  | 19 | 6 | 21.8 | 200 | 165 | 130 | 11 | 5 |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80  | 7  | 5 |
| 90B5  | 24 | 8 | 27.3 | 200 | 165 | 130 | 11 | 5 |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95  | 9  | 5 |

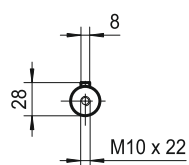
| ЛАПЫ | U  | V     | V1 | V2  | V3  | W  | X   | X1  | Y  | Z  |
|------|----|-------|----|-----|-----|----|-----|-----|----|----|
| B01  | 18 | 87    | 50 | 110 | -   | 9  | 118 | 130 | 85 | 15 |
| M01  | 18 | 80    | -  | 110 | 120 | 9  | 118 | 145 | 75 | 15 |
| B02  | 18 | 107.5 | 60 | -   | 130 | 11 | 136 | 155 | 95 | 17 |
| M02  | 25 | 85    | -  | 110 | 120 | 9  | 112 | 145 | 75 | 15 |

# ГАБАРИТНЫЕ РАЗМЕРЫ

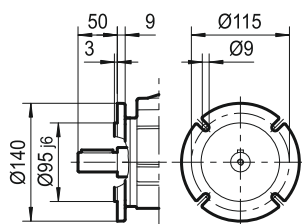
## TRC02...PAM...B(M)



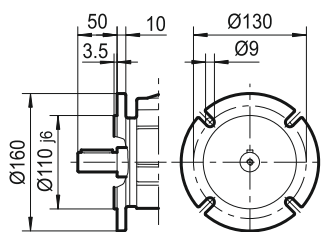
## TRC02...PAM...F



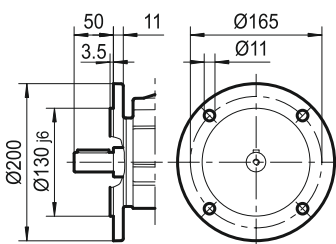
### F140



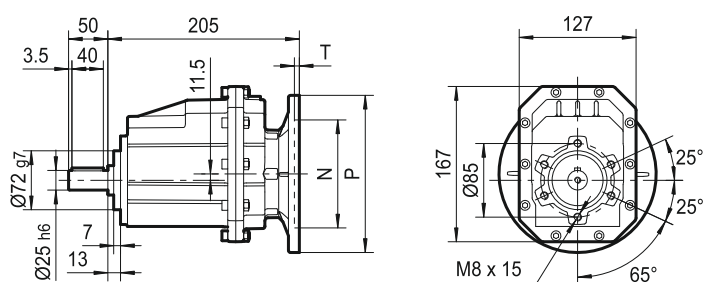
### F160



### F200



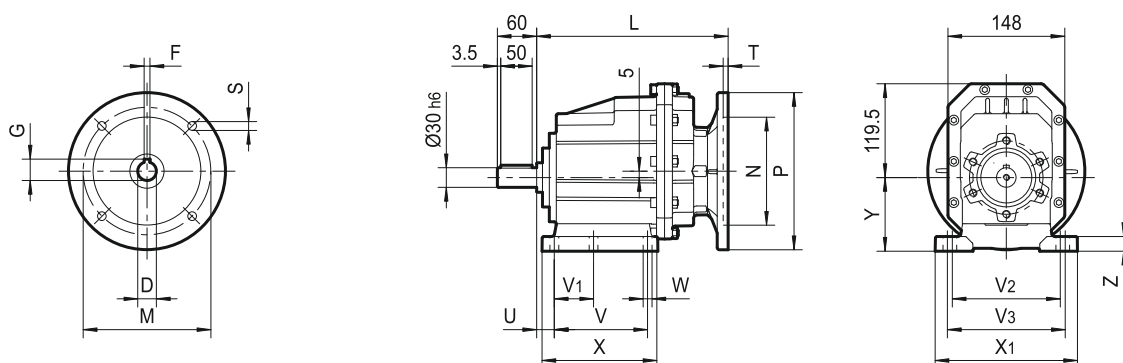
## TRC02...PAM



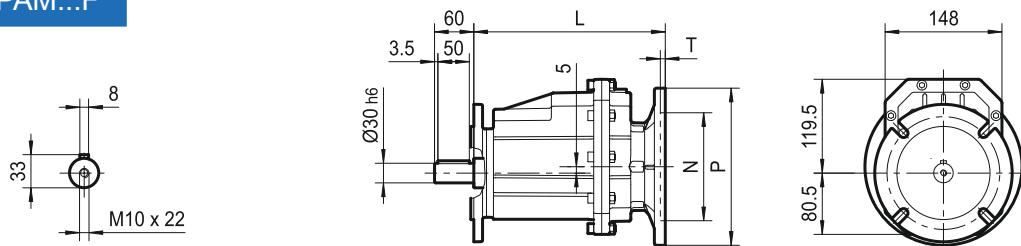
| PAM   | D  | F | G    | P   | M   | N   | S  | T |
|-------|----|---|------|-----|-----|-----|----|---|
| 63B5  | 11 | 4 | 12.8 | 140 | 115 | 95  | 9  | 5 |
| 71B5  | 14 | 5 | 16.3 | 160 | 130 | 110 | 9  | 5 |
| 71B14 | 14 | 5 | 16.3 | 105 | 85  | 70  | 7  | 5 |
| 80B5  | 19 | 6 | 21.8 | 200 | 165 | 130 | 11 | 5 |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80  | 7  | 5 |
| 90B5  | 24 | 8 | 27.3 | 200 | 165 | 130 | 11 | 5 |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95  | 9  | 5 |

| ЛАПЫ | U  | V     | V1 | V2  | V3  | W  | X   | X1  | Y   | Z  |
|------|----|-------|----|-----|-----|----|-----|-----|-----|----|
| B01  | 18 | 87    | 50 | 110 | -   | 9  | 118 | 130 | 90  | 15 |
| M01  | 18 | 80    | -  | 110 | 120 | 9  | 118 | 145 | 80  | 15 |
| B02  | 18 | 107.5 | 60 | 130 | -   | 11 | 136 | 155 | 100 | 17 |
| M02  | 25 | 85    | -  | 110 | 120 | 9  | 112 | 145 | 80  | 15 |

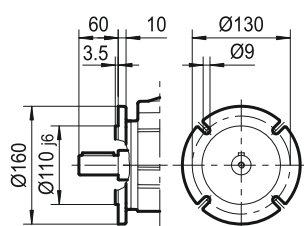
## TRC03...PAM...B(M)



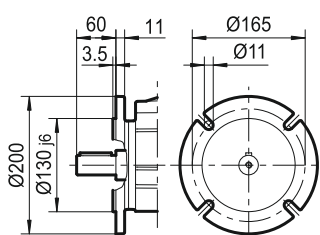
## TRC03...PAM...F



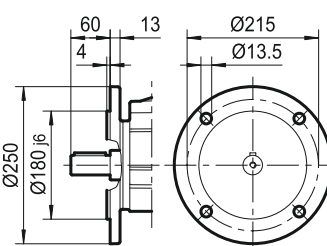
## F160



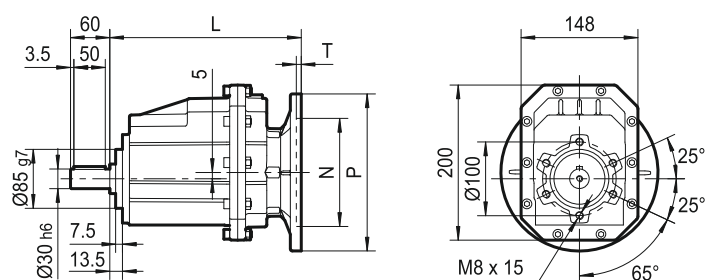
## F200



## F250



## TRC03...PAM

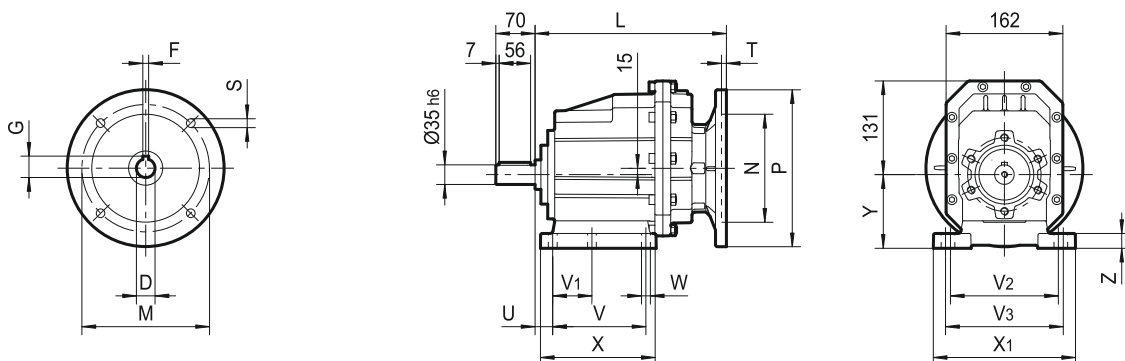


| PAM        | D  | F | G    | P   | L   | M   | N   | S    | T |
|------------|----|---|------|-----|-----|-----|-----|------|---|
| 71B5       | 14 | 5 | 16.3 | 160 | 220 | 130 | 110 | 9    | 5 |
| 80B5       | 19 | 6 | 21.8 | 200 | 220 | 165 | 130 | 11   | 5 |
| 80B14      | 19 | 6 | 21.8 | 120 | 220 | 100 | 80  | 7    | 5 |
| 90B5       | 24 | 8 | 27.3 | 200 | 220 | 165 | 130 | 11   | 5 |
| 90B14      | 24 | 8 | 27.3 | 140 | 220 | 115 | 95  | 9    | 5 |
| 100/112B5  | 28 | 8 | 31.3 | 250 | 237 | 215 | 130 | 13.5 | 5 |
| 100/112B14 | 28 | 8 | 31.3 | 160 | 237 | 130 | 95  | 9    | 5 |

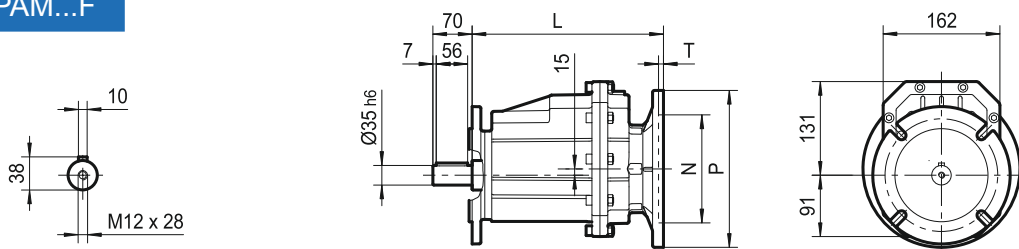
| ЛАПЫ | U    | V   | V1 | V2  | V3  | W  | X   | X1  | Y   | Z  |
|------|------|-----|----|-----|-----|----|-----|-----|-----|----|
| B03  | 18   | 130 | 70 | 160 | -   | 11 | 156 | 190 | 110 | 20 |
| M03  | 30   | 100 | -  | 135 | 150 | 11 | 150 | 190 | 110 | 18 |
| B04  | 20.5 | 130 | -  | 170 | -   | 14 | 168 | 205 | 105 | 20 |
| M04  | 32   | 110 | -  | 170 | 185 | 14 | 150 | 230 | 110 | 20 |

# ГАБАРИТНЫЕ РАЗМЕРЫ

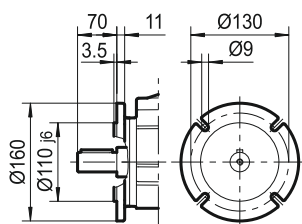
## TRC04...PAM...B(M)



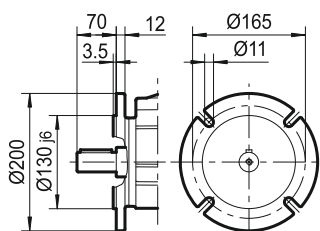
## TRC04...PAM...F



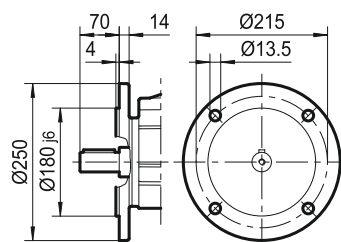
### F160



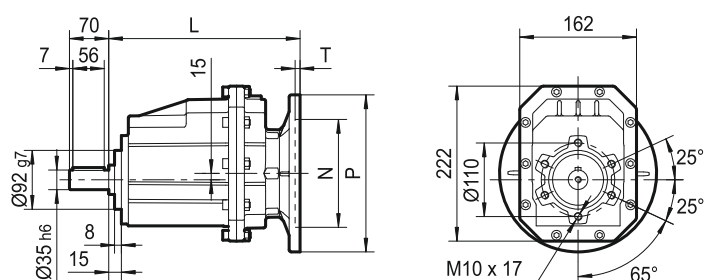
### F200



### F250



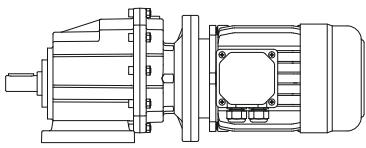
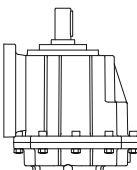
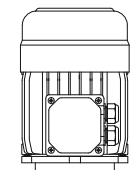
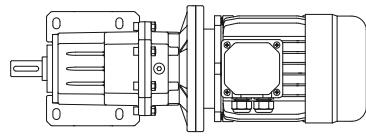
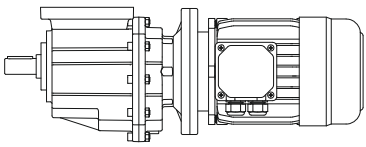
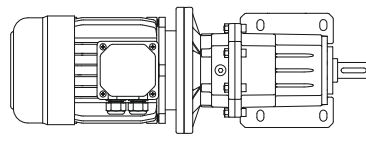
## TRC04...PAM

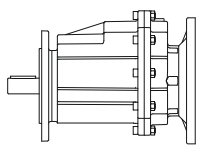
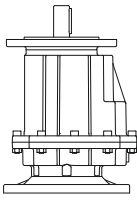
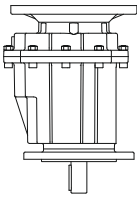


| PAM        | D  | F | G    | P   | L   | M   | N   | S    | T |
|------------|----|---|------|-----|-----|-----|-----|------|---|
| 80B5       | 19 | 6 | 21.8 | 200 | 233 | 165 | 130 | 11   | 5 |
| 80B14      | 19 | 6 | 21.8 | 120 | 233 | 100 | 80  | 7    | 5 |
| 90B5       | 24 | 8 | 27.3 | 200 | 233 | 165 | 130 | 11   | 5 |
| 90B14      | 24 | 8 | 27.3 | 140 | 233 | 115 | 95  | 9    | 5 |
| 100/112B5  | 28 | 8 | 31.3 | 250 | 250 | 215 | 180 | 13.5 | 5 |
| 100/112B14 | 28 | 8 | 31.3 | 160 | 250 | 130 | 110 | 9    | 5 |

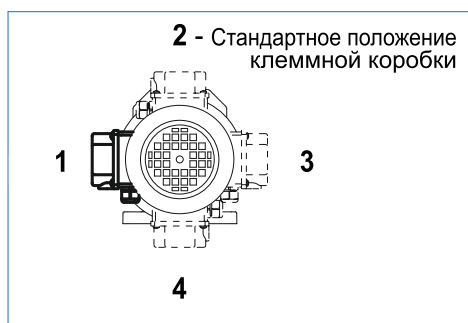
| ЛАПЫ | U    | V     | V1 | V2  | V3  | W  | X   | X1  | Y   | Z  |
|------|------|-------|----|-----|-----|----|-----|-----|-----|----|
| B03  | 21   | 130   | 70 | 160 | -   | 11 | 156 | 190 | 120 | 20 |
| M03  | 33   | 100   | -  | 135 | 150 | 11 | 150 | 190 | 120 | 18 |
| B04  | 23.5 | 130   | -  | 170 | -   | 14 | 168 | 205 | 115 | 20 |
| M04  | 35   | 110   | -  | 170 | 185 | 14 | 150 | 230 | 120 | 20 |
| B05  | 19.5 | 149.5 | -  | 180 | -   | 14 | 185 | 215 | 130 | 20 |

## МОНТАЖНЫЕ ПОЛОЖЕНИЯ И ПОЛОЖЕНИЯ КЛЕММНОЙ КОРОБКИ

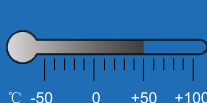
| M1                                                                                | M2                                                                                | M4                                                                                | M5                                                                                  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| M3                                                                                |                                                                                   |                                                                                   | M6                                                                                  |
|  |                                                                                   |                                                                                   |  |

| TRC...F...M1                                                                       | M2                                                                                 | M4                                                                                 |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |

### Положение клеммной коробки



## Виды масла

|     |  |  |  |  |  | Тип масла     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| TRC | Standard<br>-10 +40                                                               | VG 220                                                                            | Shell Omala 220                                                                   | Mobilgear 630                                                                      | BP Energol GR-XP220                                                                 | Минеральное   |
|     | -20 +25                                                                           | VG 150<br>VG 100                                                                  | Shell Omala 100                                                                   | Mobilgear 627                                                                      | BP Energol GR-XP100                                                                 |               |
|     | -30 +10                                                                           | VG 68-46<br>VG 32                                                                 | Shell Tellus T 32                                                                 | Mobil D.T.E.13M                                                                    |                                                                                     |               |
|     | -40 -20                                                                           | VG 22<br>VG 15                                                                    | Shell Tellus T 15                                                                 | Mobil D.T.E.11M                                                                    | BP Energol HLP-HM 15                                                                |               |
|     | -40 +80                                                                           | VG 220                                                                            | Shell Omala HD 220                                                                | Mobil SHC 630                                                                      |                                                                                     | Синтетическое |
|     | -40 +40                                                                           | VG 150                                                                            | Shell Omala HD 150                                                                | Mobil SHC 629                                                                      |                                                                                     |               |
|     | -40 +10                                                                           | VG 32                                                                             |                                                                                   | Mobil SHC 624                                                                      |                                                                                     |               |

## Количество смазочного материала

Указанные объемы заполнения являются рекомендуемыми значениями. Точные значения варьируются в зависимости от количества ступеней и передаточного числа. При заливке обязательно проверяйте пробку уровня масла, так как она указывает точную емкость масла.

| Редукторы | Объем масла в литрах |     |     |     |     |     |
|-----------|----------------------|-----|-----|-----|-----|-----|
|           | M1                   | M2  | M3  | M4  | M5  | M6  |
| TRC01     | 0.4                  | 0.6 | 0.4 | 0.3 | 0.3 | 0.3 |
| TRC02     | 0.5                  | 0.7 | 0.5 | 0.4 | 0.4 | 0.4 |
| TRC03     | 0.8                  | 1.1 | 0.8 | 0.6 | 0.6 | 0.6 |
| TRC04     | 1.2                  | 1.6 | 1.0 | 1.0 | 0.9 | 0.9 |

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