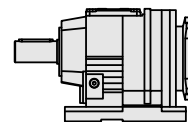


# R-075



## Technical Data

| Ratio  | n <sub>1N</sub><br>(1)<br>(rpm) | n <sub>1Max</sub><br>(2)<br>(rpm) | T <sub>2N</sub><br>(3)<br>(N·m) | T <sub>2Max</sub><br>(4)<br>(N·m) | T <sub>2E</sub><br>(5)<br>(N·m) | F <sub>2RMax</sub><br>(N) | J<br>(6)<br>(Kg·cm <sup>2</sup> ) | C<br>(Nm/arcmin) | Δφ<br>(arcmin) | η<br>% | M<br>(Kg) |
|--------|---------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------------|------------------|----------------|--------|-----------|
| 5.31   | 1400                            | 4500                              | 510                             | 765                               | 860                             | 3990                      | 7.7                               | 42               | 8              | 97     | 33-52.7   |
| 5.99   | 1400                            | 4500                              | 540                             | 810                               | 910                             | 3990                      | 6.4                               | 42               | 8              | 97     | 33-52.7   |
| 6.79   | 1400                            | 4500                              | 580                             | 840                               | 980                             | 3850                      | 5.2                               | 42               | 8              | 97     | 33-52.7   |
| 7.74   | 1400                            | 4500                              | 610                             | 840                               | 1030                            | 3940                      | 4.2                               | 42               | 8              | 97     | 33-52.7   |
| 8.59   | 1400                            | 4500                              | 630                             | 840                               | 1070                            | 4110                      | 3.7                               | 42               | 7              | 97     | 33-52.7   |
| 9.64   | 1400                            | 4500                              | 630                             | 900                               | 1070                            | 6300                      | 6.6                               | 51               | 7              | 97     | 33-52.7   |
| 10.88  | 1400                            | 4500                              | 660                             | 900                               | 1120                            | 6490                      | 5.5                               | 51               | 6              | 97     | 33-52.7   |
| 12.33  | 1400                            | 4500                              | 690                             | 900                               | 1170                            | 6740                      | 4.5                               | 51               | 6              | 97     | 33-52.7   |
| 14.05  | 1400                            | 4500                              | 720                             | 900                               | 1220                            | 7050                      | 3.7                               | 51               | 6              | 97     | 33-52.7   |
| 15.60  | 1400                            | 4500                              | 740                             | 900                               | 1250                            | 7390                      | 3.3                               | 51               | 6              | 97     | 33-52.7   |
| 17.82  | 1400                            | 4500                              | 780                             | 900                               | 1320                            | 7620                      | 2.7                               | 51               | 6              | 97     | 33-52.7   |
| 18.80  | 1400                            | 4500                              | 780                             | 900                               | 1320                            | 7980                      | 2.5                               | 51               | 6              | 97     | 33-52.7   |
| 21.43  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 8250                      | 2.0                               | 51               | 6              | 97     | 33-52.7   |
| 23.37  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 8870                      | 1.7                               | 51               | 6              | 97     | 33-52.7   |
| 25.23  | 1400                            | 4500                              | 780                             | 900                               | 1320                            | 10100                     | 3.7                               | 53               | 7              | 96     | 34-53.7   |
| 29.00  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 3.0                               | 53               | 7              | 96     | 34-53.7   |
| 33.47  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 2.2                               | 53               | 7              | 96     | 34-53.7   |
| 36.83  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.9                               | 53               | 7              | 95     | 34-53.7   |
| 43.26  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.6                               | 53               | 7              | 95     | 34-53.7   |
| 45.81  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.4                               | 53               | 7              | 95     | 34-53.7   |
| 52.07  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.1                               | 53               | 7              | 95     | 34-53.7   |
| 57.68  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.97                              | 53               | 7              | 95     | 34-53.7   |
| 65.77  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.6                               | 53               | 7              | 95     | 34-53.7   |
| 77.24  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.3                               | 53               | 6              | 95     | 34-53.7   |
| 81.80  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 1.2                               | 53               | 6              | 95     | 34-53.7   |
| 92.97  | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.99                              | 53               | 6              | 95     | 34-53.7   |
| 102.99 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.86                              | 53               | 6              | 95     | 34-53.7   |
| 121.42 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.68                              | 53               | 6              | 94     | 34-53.7   |
| 138.39 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.46                              | 53               | 6              | 94     | 34-53.7   |
| 145.67 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.42                              | 53               | 6              | 94     | 34-53.7   |
| 166.59 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.34                              | 53               | 6              | 94     | 34-53.7   |
| 195.24 | 1400                            | 4500                              | 820                             | 900                               | 1390                            | 9920                      | 0.27                              | 53               | 6              | 93     | 34-53.7   |

(1) Rated input speed.

(2) Maximum Input Speed.

(3) T<sub>2N</sub> value is calculated at n<sub>1n</sub>, continuous duty cycle, uniform operation, KA=1 and unlimited theoretical life time as per ISO-6336 (NL>N00 in the Woehler line).

The application factor KA according to DIN-3990-1 must be considered for each duty cycle and machine type.

(4) T<sub>2Max</sub> only for very short time intervals.

(5) Up to 1000 times during the gearbox's lifetime.

(6) Varies depending on input.