

- SERIE MRDV -

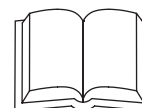
Riduttori a Vite Senza Fine -

MRDV Series Worm-Gear Speed Reducers



ELLE.GI SRL

Organi di Trasmissione



Posizioni di montaggio - Mounting positions

| MRDV - RDV | | | |
|---------------|----|----|----|
| MRDV...U - B3 | B6 | V5 | V6 |
| | | | |
| | | | |

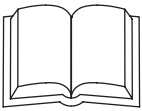
| PC - MRDV | | | |
|---------------|----|----|----|
| MRDV...U - B3 | B6 | V5 | V6 |
| | | | |
| | | | |

La versione "U" è relativa alla grandezza 25 sino alla 75. Per le altre grandezze non è necessario specificare la posizione di montaggio.

- **Per le posizioni verticali vedere tabella a pagina 13;**
- **Se non è specificata la posizione di montaggio verrà considerata quella standard in B3;**
- **Per altre posizioni consultare il nostro ufficio tecnico.**

"U" version is related to sizes from 025 to 075. For these sizes it is not necessary to specify mounting position.

- For vertical positions, please refer to the table on page 13.
- Unless specified otherwise, the standard positions are B3.
- For positions not envisaged, it is necessary to call our Technical Service.

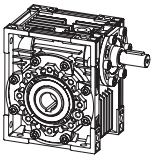


| MRDV-MRDV / RDV-MRDV | | | |
|----------------------|-----|-----|-----|
| AS1 | AS2 | VS1 | VS2 |
| | | | |
| PS1 | PS2 | BS1 | BS2 |
| | | | |

Nel caso non venga specificata la posizione di montaggio, viene considerata standard quella in BS2.



The position of the 1st reducer with respect to the 2nd gear reducer depends on the versions. Unless specified at the time of order, combination groups will be supplied in version BS2. The specified mounting position refers to the 2nd gear reducer, see page 17 for the possible mounting positions.

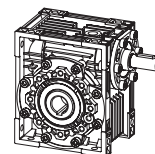
| UDL-MRDV | | | |
|-------------|----|----|----|
| MRDV...U-B3 | B6 | V5 | V6 |
| | | | |
| B8 | B7 | | |
| | | | |





PRESTAZIONI - PERFORMANCE PARAMETER

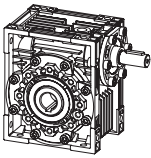
RDV (n₁=2800)

| M ₂ [Nm] | i | P ₁ [Kw] | n ₂ [min ⁻¹] | Fr ₂ [N] | Fr ₁ [N] |  |  |
|------------------------|-----|------------------------|--|------------------------|------------------------|---|---|
| 13 | 7.5 | 0.58 | 373.3 | 542 | 125 | RDV030 | 59 |
| 13 | 10 | 0.45 | 280 | 597 | 140 | | |
| 13 | 15 | 0.31 | 186.7 | 683 | 140 | | |
| 12 | 20 | 0.23 | 140 | 752 | 146 | | |
| 16 | 25 | 0.25 | 112 | 810 | 210 | | |
| 15 | 30 | 0.21 | 93.3 | 861 | 210 | | |
| 14 | 40 | 0.16 | 70 | 948 | 127 | | |
| 13 | 50 | 0.12 | 56 | 1021 | 128 | | |
| 12 | 60 | 0.1 | 46.7 | 1085 | 126 | | |
| 11 | 80 | 0.08 | 35 | 1194 | 130 | | |
| 28 | 7.5 | 1.2 | 373.3 | 1044 | 233 | RDV040 | 60 |
| 29 | 10 | 1 | 280 | 1149 | 272 | | |
| 31 | 15 | 0.72 | 186.7 | 1315 | 291 | | |
| 29 | 20 | 0.52 | 140 | 1447 | 204 | | |
| 28 | 25 | 0.42 | 112 | 1559 | 236 | | |
| 34 | 30 | 0.44 | 93.3 | 1657 | 350 | | |
| 31 | 40 | 0.32 | 70 | 1824 | 350 | | |
| 30 | 50 | 0.26 | 56 | 1964 | 350 | | |
| 28 | 60 | 0.21 | 46.7 | 2087 | 350 | | |
| 25 | 80 | 0.16 | 35 | 2298 | 350 | | |
| 23 | 100 | 0.12 | 28 | 2475 | 350 | | |
| 52 | 7.5 | 2.3 | 373.3 | 1433 | 324 | RDV050 | 61 |
| 54 | 10 | 1.8 | 280 | 1577 | 378 | | |
| 57 | 15 | 1.3 | 186.7 | 1805 | 399 | | |
| 53 | 20 | 0.95 | 140 | 1987 | 417 | | |
| 51 | 25 | 0.75 | 112 | 2140 | 482 | | |
| 64 | 30 | 0.82 | 93.3 | 2274 | 490 | | |
| 59 | 40 | 0.59 | 70 | 2503 | 490 | | |
| 53 | 50 | 0.45 | 56 | 2696 | 490 | | |
| 50 | 60 | 0.37 | 46.7 | 2865 | 490 | | |
| 45 | 80 | 0.27 | 35 | 3153 | 490 | | |
| 40 | 100 | 0.21 | 28 | 3397 | 490 | | |
| 93 | 7.5 | 4 | 373.3 | 1873 | 395 | RDV063 | 62 |
| 97 | 10 | 3.2 | 280 | 2061 | 463 | | |
| 103 | 15 | 2.3 | 186.7 | 2359 | 492 | | |
| 100 | 20 | 1.7 | 140 | 2597 | 538 | | |
| 92 | 25 | 1.3 | 112 | 2797 | 593 | | |
| 120 | 30 | 1.5 | 93.3 | 2973 | 700 | | |
| 108 | 40 | 1.1 | 70 | 3272 | 700 | | |
| 100 | 50 | 0.83 | 56 | 3524 | 700 | | |
| 95 | 60 | 0.68 | 46.7 | 3745 | 700 | | |
| 85 | 80 | 0.49 | 35 | 4122 | 700 | | |
| 74 | 100 | 0.37 | 28 | 4440 | 700 | | |



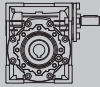

RDV (n₁=2800)

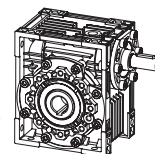
| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 130 | 7.5 | 5.6 | 373.3 | 2210 | 560 | RDV075 | 63 |
| 145 | 10 | 4.7 | 280 | 2433 | 703 | | |
| 150 | 15 | 3.4 | 186.7 | 2785 | 727 | | |
| 160 | 20 | 2.8 | 140 | 3065 | 872 | | |
| 150 | 25 | 2.1 | 112 | 3302 | 980 | | |
| 170 | 30 | 2.1 | 93.3 | 3509 | 980 | | |
| 165 | 40 | 1.6 | 70 | 3862 | 980 | | |
| 150 | 50 | 1.2 | 56 | 4160 | 980 | | |
| 145 | 60 | 1 | 46.7 | 4421 | 980 | | |
| 130 | 80 | 0.72 | 35 | 4865 | 980 | | |
| 120 | 100 | 0.58 | 28 | 5241 | 980 | | |
| 210 | 7.5 | 8.9 | 373.3 | 2446 | 715 | RDV090 | 64 |
| 235 | 10 | 7.7 | 280 | 2692 | 900 | | |
| 270 | 15 | 6 | 186.7 | 3081 | 1034 | | |
| 260 | 20 | 4.4 | 140 | 3391 | 1120 | | |
| 250 | 25 | 3.4 | 112 | 3653 | 1270 | | |
| 310 | 30 | 3.7 | 93.3 | 3882 | 1270 | | |
| 275 | 40 | 2.6 | 70 | 4273 | 1270 | | |
| 265 | 50 | 2 | 56 | 4603 | 1270 | | |
| 245 | 60 | 1.6 | 46.7 | 4891 | 1270 | | |
| 225 | 80 | 1.2 | 35 | 5383 | 1270 | | |
| 200 | 100 | 0.9 | 28 | 5799 | 1270 | | |
| 391 | 7.5 | 16.6 | 373.3 | 3090 | 950 | RDV110 | 65 |
| 437 | 10 | 14.1 | 280 | 3401 | 1194 | | |
| 489 | 15 | 10.7 | 186.7 | 3893 | 1337 | | |
| 483 | 20 | 8 | 140 | 4285 | 1485 | | |
| 506 | 25 | 6.8 | 112 | 4616 | 1700 | | |
| 552 | 30 | 6.5 | 93.3 | 4905 | 1700 | | |
| 529 | 40 | 4.7 | 70 | 5399 | 1700 | | |
| 495 | 50 | 3.7 | 56 | 5816 | 1700 | | |
| 473 | 60 | 3 | 46.7 | 6181 | 1700 | | |
| 399 | 80 | 2 | 35 | 6803 | 1700 | | |
| 368 | 100 | 1.6 | 28 | 7328 | 1700 | | |
| 520 | 7.5 | 22.1 | 373.3 | 4042 | 1190 | RDV130 | 66 |
| 580 | 10 | 18.7 | 280 | 4449 | 1493 | | |
| 670 | 15 | 14.7 | 186.7 | 5092 | 1725 | | |
| 660 | 20 | 11 | 140 | 5605 | 1912 | | |
| 670 | 25 | 9 | 112 | 6038 | 2100 | | |
| 770 | 30 | 9 | 93.3 | 6416 | 2100 | | |
| 730 | 40 | 6.5 | 70 | 7062 | 2100 | | |
| 700 | 50 | 5.1 | 56 | 7607 | 2100 | | |
| 640 | 60 | 4 | 46.7 | 8084 | 2100 | | |
| 590 | 80 | 3 | 35 | 8897 | 2100 | | |
| 520 | 100 | 2.2 | 28 | 9584 | 2100 | | |





PRESTAZIONI - PERFORMANCE PARAMETER

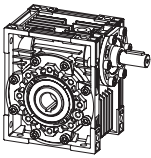
RDV ($n_1=1400$)

| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 18 | 7.5 | 0.41 | 186.7 | 683 | 150 | RDV030 | 59 |
| 18 | 10 | 0.32 | 140 | 752 | 169 | | |
| 18 | 15 | 0.23 | 93.3 | 861 | 169 | | |
| 18 | 20 | 0.18 | 70 | 948 | 190 | | |
| 21 | 25 | 0.18 | 56 | 1021 | 210 | | |
| 20 | 30 | 0.15 | 46.7 | 1085 | 210 | | |
| 18 | 40 | 0.11 | 35 | 1194 | 210 | | |
| 17 | 50 | 0.09 | 28 | 1286 | 210 | | |
| 16 | 60 | 0.08 | 23.3 | 1367 | 210 | | |
| 13 | 80 | 0.05 | 17.5 | 1504 | 210 | | |
| 40 | 7.5 | 0.9 | 186.7 | 1315 | 294 | RDV040 | 60 |
| 40 | 10 | 0.69 | 140 | 1447 | 331 | | |
| 40 | 15 | 0.48 | 93.3 | 1657 | 331 | | |
| 39 | 20 | 0.37 | 70 | 1824 | 350 | | |
| 38 | 25 | 0.3 | 56 | 1964 | 350 | | |
| 38 | 25 | 0.3 | 56 | 1964 | 350 | | |
| 45 | 30 | 0.31 | 46.7 | 2087 | 350 | | |
| 41 | 40 | 0.23 | 35 | 2298 | 350 | | |
| 39 | 50 | 0.18 | 28 | 2475 | 350 | | |
| 36 | 60 | 0.15 | 23.3 | 2630 | 350 | | |
| 33 | 80 | 0.12 | 17.5 | 2895 | 350 | | |
| 29 | 100 | 0.09 | 14 | 3118 | 350 | | |
| 71 | 7.5 | 1.6 | 186.7 | 1805 | 401 | RDV050 | 61 |
| 72 | 10 | 1.2 | 140 | 1987 | 490 | | |
| 74 | 15 | 0.88 | 93.3 | 2274 | 490 | | |
| 73 | 20 | 0.68 | 70 | 2503 | 490 | | |
| 70 | 25 | 0.54 | 56 | 2696 | 490 | | |
| 84 | 30 | 0.57 | 46.7 | 2865 | 490 | | |
| 76 | 40 | 0.42 | 35 | 3153 | 490 | | |
| 73 | 50 | 0.34 | 28 | 3397 | 490 | | |
| 68 | 60 | 0.28 | 23.3 | 3610 | 490 | | |
| 65 | 80 | 0.22 | 17.5 | 3973 | 490 | | |
| 55 | 100 | 0.16 | 14 | 4280 | 490 | | |
| 128 | 7.5 | 2.8 | 186.7 | 2359 | 500 | RDV063 | 62 |
| 130 | 10 | 2.2 | 140 | 2597 | 571 | | |
| 140 | 15 | 1.6 | 93.3 | 2973 | 615 | | |
| 135 | 20 | 1.2 | 70 | 3272 | 667 | | |
| 130 | 25 | 1 | 56 | 3524 | 700 | | |
| 160 | 30 | 1.1 | 46.7 | 3745 | 700 | | |
| 145 | 40 | 0.76 | 35 | 4122 | 700 | | |
| 135 | 50 | 0.6 | 28 | 4440 | 700 | | |
| 130 | 60 | 0.51 | 23.3 | 4719 | 700 | | |
| 122 | 80 | 0.39 | 17.5 | 5193 | 700 | | |
| 118 | 100 | 0.34 | 14 | 5595 | 700 | | |





RDV (n₁=1400)

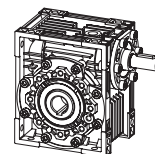
| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 185 | 7.5 | 4.1 | 186.7 | 2785 | 700 | RDV075 | 63 |
| 195 | 10 | 3.2 | 140 | 3065 | 830 | | |
| 200 | 15 | 2.3 | 93.3 | 3509 | 851 | | |
| 210 | 20 | 1.9 | 70 | 3862 | 980 | | |
| 200 | 25 | 1.5 | 56 | 4160 | 980 | | |
| 230 | 30 | 1.5 | 46.7 | 4421 | 980 | | |
| 220 | 40 | 1.1 | 35 | 4865 | 980 | | |
| 210 | 50 | 0.89 | 28 | 5241 | 980 | | |
| 200 | 60 | 0.75 | 23.3 | 5569 | 980 | | |
| 190 | 80 | 0.58 | 17.5 | 6130 | 980 | | |
| 180 | 100 | 0.48 | 14 | 6603 | 980 | | |
| 290 | 7.5 | 6.3 | 186.7 | 3081 | 900 | RDV090 | 64 |
| 310 | 10 | 5.1 | 140 | 3391 | 1082 | | |
| 360 | 15 | 4.1 | 93.3 | 3882 | 1257 | | |
| 355 | 20 | 3.1 | 70 | 4273 | 1270 | | |
| 340 | 25 | 2.4 | 56 | 4603 | 1270 | | |
| 410 | 30 | 2.6 | 46.7 | 4891 | 1270 | | |
| 360 | 40 | 1.8 | 35 | 5383 | 1270 | | |
| 340 | 50 | 1.4 | 28 | 5799 | 1270 | | |
| 320 | 60 | 1.1 | 23.3 | 6163 | 1270 | | |
| 285 | 80 | 0.83 | 17.5 | 6783 | 1270 | | |
| 270 | 100 | 0.67 | 14 | 7306 | 1270 | | |
| 552 | 7.5 | 12 | 186.7 | 3893 | 1200 | RDV110 | 65 |
| 598 | 10 | 9.8 | 140 | 4285 | 1463 | | |
| 656 | 15 | 7.5 | 93.3 | 4905 | 1604 | | |
| 644 | 20 | 5.6 | 70 | 5399 | 1700 | | |
| 679 | 25 | 4.7 | 56 | 5816 | 1700 | | |
| 725 | 30 | 4.5 | 46.7 | 6181 | 1700 | | |
| 702 | 40 | 3.3 | 35 | 6803 | 1700 | | |
| 660 | 50 | 2.6 | 28 | 7328 | 1700 | | |
| 616 | 60 | 2.1 | 23.3 | 7787 | 1700 | | |
| 515 | 80 | 1.4 | 17.5 | 8571 | 1700 | | |
| 483 | 100 | 1.1 | 14 | 9232 | 1700 | | |
| 750 | 7.5 | 16.1 | 186.7 | 5092 | 1500 | RDV130 | 66 |
| 820 | 10 | 13.5 | 140 | 5605 | 1845 | | |
| 920 | 15 | 10.3 | 93.3 | 6416 | 2070 | | |
| 910 | 20 | 7.8 | 70 | 7062 | 2100 | | |
| 930 | 25 | 6.5 | 56 | 7607 | 2100 | | |
| 1040 | 30 | 6.4 | 46.7 | 8084 | 2100 | | |
| 1050 | 40 | 4.9 | 35 | 8897 | 2100 | | |
| 980 | 50 | 3.8 | 28 | 9584 | 2100 | | |
| 900 | 60 | 3.1 | 23.3 | 10185 | 2100 | | |
| 840 | 80 | 2.3 | 17.5 | 11210 | 2100 | | |
| 740 | 100 | 1.7 | 14 | 12076 | 2100 | | |





PRESTAZIONI - PERFORMANCE PARAMETER

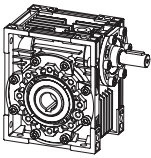
RDV ($n_1=900$)

| M_2 [Nm] | i | P_1 [Kw] | n_2 [min ⁻¹] | Fr_2 [N] | Fr_1 [N] |  |  |
|---------------|-----|---------------|-------------------------------|---------------|---------------|---|---|
| 20 | 7.5 | 0.3 | 120 | 792 | 175 | RDV030 | 59 |
| 20 | 10 | 0.24 | 90 | 871 | 197 | | |
| 20 | 15 | 0.17 | 60 | 997 | 197 | | |
| 20 | 20 | 0.13 | 45 | 1098 | 210 | | |
| 23 | 25 | 0.14 | 36 | 1183 | 210 | | |
| 21 | 30 | 0.11 | 30 | 1257 | 210 | | |
| 20 | 40 | 0.09 | 22.5 | 1383 | 210 | | |
| 18 | 50 | 0.07 | 18 | 1490 | 210 | | |
| 17 | 60 | 0.06 | 15 | 1583 | 210 | | |
| 15 | 80 | 0.04 | 11.3 | 1743 | 210 | | |
| 44 | 7.5 | 0.65 | 120 | 1524 | 319 | RDV040 | 60 |
| 44 | 10 | 0.5 | 90 | 1677 | 350 | | |
| 45 | 15 | 0.36 | 60 | 1920 | 350 | | |
| 44 | 20 | 0.28 | 45 | 2113 | 350 | | |
| 43 | 25 | 0.23 | 36 | 2276 | 350 | | |
| 49 | 30 | 0.23 | 30 | 2419 | 350 | | |
| 45 | 40 | 0.17 | 22.5 | 2662 | 350 | | |
| 42 | 50 | 0.14 | 18 | 2868 | 350 | | |
| 39 | 60 | 0.11 | 15 | 3047 | 350 | | |
| 35 | 80 | 0.09 | 11.3 | 3354 | 350 | | |
| 32 | 100 | 0.07 | 9 | 3490 | 350 | | |
| 84 | 7.5 | 1.2 | 120 | 2091 | 448 | RDV050 | 61 |
| 84 | 10 | 0.94 | 90 | 2302 | 490 | | |
| 84 | 15 | 0.67 | 60 | 2635 | 490 | | |
| 77 | 20 | 0.48 | 45 | 2900 | 490 | | |
| 75 | 25 | 0.39 | 36 | 3124 | 490 | | |
| 90 | 30 | 0.42 | 30 | 3320 | 490 | | |
| 82 | 40 | 0.31 | 22.5 | 3654 | 490 | | |
| 77 | 50 | 0.25 | 18 | 3936 | 490 | | |
| 72 | 60 | 0.21 | 15 | 4183 | 490 | | |
| 68 | 80 | 0.16 | 11.3 | 4604 | 490 | | |
| 56 | 100 | 0.12 | 9 | 4840 | 490 | | |
| 151 | 7.5 | 2.2 | 120 | 2734 | 580 | RDV063 | 62 |
| 153 | 10 | 1.7 | 90 | 3009 | 661 | | |
| 155 | 15 | 1.2 | 60 | 3444 | 670 | | |
| 148 | 20 | 0.91 | 45 | 3791 | 700 | | |
| 137 | 25 | 0.69 | 36 | 4084 | 700 | | |
| 175 | 30 | 0.79 | 30 | 4339 | 700 | | |
| 160 | 40 | 0.58 | 22.5 | 4776 | 700 | | |
| 145 | 50 | 0.45 | 18 | 5145 | 700 | | |
| 138 | 60 | 0.37 | 15 | 5467 | 700 | | |
| 128 | 80 | 0.29 | 11.3 | 6018 | 700 | | |
| 124 | 100 | 0.25 | 9 | 6270 | 700 | | |





RDV (n₁=900)

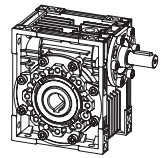
| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 215 | 7.5 | 3.1 | 120 | 3227 | 810 | RDV075 | 63 |
| 230 | 10 | 2.5 | 90 | 3551 | 975 | | |
| 235 | 15 | 1.8 | 60 | 4065 | 980 | | |
| 235 | 20 | 1.4 | 45 | 4474 | 980 | | |
| 215 | 25 | 1.1 | 36 | 4820 | 980 | | |
| 260 | 30 | 1.1 | 30 | 5122 | 980 | | |
| 240 | 40 | 0.83 | 22.5 | 5637 | 980 | | |
| 220 | 50 | 0.65 | 18 | 6073 | 980 | | |
| 210 | 60 | 0.54 | 15 | 6453 | 980 | | |
| 200 | 80 | 0.43 | 11.3 | 7103 | 980 | | |
| 190 | 100 | 0.36 | 9 | 7380 | 980 | | |
| 340 | 7.5 | 4.8 | 120 | 3570 | 1040 | RDV090 | 64 |
| 370 | 10 | 4 | 90 | 3929 | 1270 | | |
| 420 | 15 | 3.1 | 60 | 4498 | 1270 | | |
| 390 | 20 | 2.3 | 45 | 4951 | 1270 | | |
| 370 | 25 | 1.8 | 36 | 5333 | 1270 | | |
| 460 | 30 | 1.9 | 30 | 5667 | 1270 | | |
| 410 | 40 | 1.4 | 22.5 | 6238 | 1270 | | |
| 390 | 50 | 1.1 | 18 | 6719 | 1270 | | |
| 350 | 60 | 0.86 | 15 | 7140 | 1270 | | |
| 315 | 80 | 0.63 | 11.3 | 7859 | 1270 | | |
| 280 | 100 | 0.49 | 9 | 8180 | 1270 | | |
| 650 | 7.5 | 9.2 | 120 | 4511 | 1390 | RDV110 | 65 |
| 713 | 10 | 7.6 | 90 | 4965 | 1700 | | |
| 759 | 15 | 5.6 | 60 | 5684 | 1700 | | |
| 725 | 20 | 4.1 | 45 | 6256 | 1700 | | |
| 759 | 25 | 3.5 | 36 | 6739 | 1700 | | |
| 840 | 30 | 3.5 | 30 | 7161 | 1700 | | |
| 794 | 40 | 2.5 | 22.5 | 7882 | 1700 | | |
| 748 | 50 | 2 | 18 | 8491 | 1700 | | |
| 682 | 60 | 1.6 | 15 | 9023 | 1700 | | |
| 567 | 80 | 1.1 | 11.3 | 9931 | 1700 | | |
| 515 | 100 | 0.84 | 9 | 10320 | 1700 | | |
| 880 | 7.5 | 12.3 | 120 | 5901 | 1740 | RDV130 | 66 |
| 960 | 10 | 10.3 | 90 | 6494 | 2100 | | |
| 1060 | 15 | 7.8 | 60 | 7434 | 2100 | | |
| 1040 | 20 | 5.8 | 45 | 8182 | 2100 | | |
| 1050 | 25 | 4.8 | 36 | 8814 | 2100 | | |
| 1170 | 30 | 4.7 | 30 | 9366 | 2100 | | |
| 1100 | 40 | 3.5 | 22.5 | 10309 | 2100 | | |
| 1050 | 50 | 2.7 | 18 | 11105 | 2100 | | |
| 940 | 60 | 2.1 | 15 | 11801 | 2100 | | |
| 860 | 80 | 1.6 | 11.3 | 12989 | 2100 | | |
| 780 | 100 | 1.2 | 9 | 13500 | 2100 | | |





PRESTAZIONI - PERFORMANCE PARAMETER

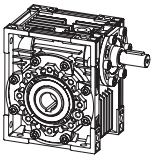
RDV ($n_1=500$)

| M_2 [Nm] | i | P_1 [Kw] | n_2 [min ⁻¹] | Fr_2 [N] | Fr_1 [N] |  |  |
|---------------|-----|---------------|-------------------------------|---------------|---------------|---|---|
| 24 | 7.5 | 0.21 | 66.7 | 963 | 210 | RDV030 | 59 |
| 24 | 10 | 0.16 | 50 | 1060 | 210 | | |
| 24 | 15 | 0.12 | 33.3 | 1213 | 210 | | |
| 23 | 20 | 0.09 | 25 | 1336 | 210 | | |
| 29 | 25 | 0.1 | 20 | 1439 | 210 | | |
| 26 | 30 | 0.08 | 16.7 | 1529 | 210 | | |
| 23 | 40 | 0.06 | 12.5 | 1683 | 210 | | |
| 21 | 50 | 0.05 | 10 | 1813 | 210 | | |
| 19 | 60 | 0.04 | 8.3 | 1830 | 210 | | |
| 17 | 80 | 0.03 | 6.3 | 1830 | 210 | | |
| 54 | 7.5 | 0.45 | 66.7 | 1853 | 350 | RDV040 | 60 |
| 54 | 10 | 0.35 | 50 | 2040 | 350 | | |
| 55 | 15 | 0.26 | 33.3 | 2335 | 350 | | |
| 52 | 20 | 0.19 | 25 | 2570 | 350 | | |
| 49 | 25 | 0.15 | 20 | 2769 | 350 | | |
| 58 | 30 | 0.16 | 16.7 | 2942 | 350 | | |
| 53 | 40 | 0.12 | 12.5 | 3238 | 350 | | |
| 49 | 50 | 0.1 | 10 | 3488 | 350 | | |
| 46 | 60 | 0.08 | 8.3 | 3490 | 350 | | |
| 40 | 80 | 0.06 | 6.3 | 3490 | 350 | | |
| 36 | 100 | 0.05 | 5 | 3490 | 350 | | |
| 103 | 7.5 | 0.86 | 66.7 | 2544 | 490 | RDV050 | 61 |
| 103 | 10 | 0.67 | 50 | 2800 | 490 | | |
| 103 | 15 | 0.47 | 33.3 | 3205 | 490 | | |
| 93 | 20 | 0.33 | 25 | 3528 | 490 | | |
| 91 | 25 | 0.28 | 20 | 3800 | 490 | | |
| 108 | 30 | 0.29 | 16.7 | 4038 | 490 | | |
| 98 | 40 | 0.22 | 12.5 | 4445 | 490 | | |
| 91 | 50 | 0.17 | 10 | 4788 | 490 | | |
| 83 | 60 | 0.14 | 8.3 | 4840 | 490 | | |
| 75 | 80 | 0.11 | 6.3 | 4840 | 490 | | |
| 65 | 100 | 0.09 | 5 | 4840 | 490 | | |
| 184 | 7.5 | 1.5 | 66.7 | 3325 | 700 | RDV063 | 62 |
| 185 | 10 | 1.2 | 50 | 3660 | 700 | | |
| 187 | 15 | 0.85 | 33.3 | 4190 | 700 | | |
| 178 | 20 | 0.63 | 25 | 4611 | 700 | | |
| 164 | 25 | 0.48 | 20 | 4967 | 700 | | |
| 200 | 30 | 0.54 | 16.7 | 5279 | 700 | | |
| 185 | 40 | 0.4 | 12.5 | 5810 | 700 | | |
| 173 | 50 | 0.32 | 10 | 6259 | 700 | | |
| 160 | 60 | 0.26 | 8.3 | 6270 | 700 | | |
| 137 | 80 | 0.19 | 6.3 | 6270 | 700 | | |
| 128 | 100 | 0.16 | 5 | 6270 | 700 | | |





RDV (n₁=500)

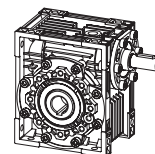
| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 260 | 7.5 | 2.1 | 66.7 | 3925 | 980 | RDV075 | 63 |
| 270 | 10 | 1.7 | 50 | 4320 | 980 | | |
| 280 | 15 | 1.2 | 33.3 | 4945 | 980 | | |
| 285 | 20 | 0.98 | 25 | 5443 | 980 | | |
| 255 | 25 | 0.73 | 20 | 5863 | 980 | | |
| 300 | 30 | 0.77 | 16.7 | 6231 | 980 | | |
| 280 | 40 | 0.58 | 12.5 | 6858 | 980 | | |
| 250 | 50 | 0.44 | 10 | 7380 | 980 | | |
| 240 | 60 | 0.37 | 8.3 | 7380 | 980 | | |
| 215 | 80 | 0.29 | 6.3 | 7380 | 980 | | |
| 210 | 100 | 0.24 | 5 | 7380 | 980 | | |
| 410 | 7.5 | 3.3 | 66.7 | 4343 | 1270 | RDV090 | 64 |
| 435 | 10 | 2.7 | 50 | 4780 | 1270 | | |
| 490 | 15 | 2.1 | 33.3 | 5472 | 1270 | | |
| 470 | 20 | 1.6 | 25 | 6022 | 1270 | | |
| 440 | 25 | 1.2 | 20 | 6487 | 1270 | | |
| 550 | 30 | 1.4 | 16.7 | 6894 | 1270 | | |
| 480 | 40 | 0.95 | 12.5 | 7588 | 1270 | | |
| 450 | 50 | 0.75 | 10 | 8174 | 1270 | | |
| 400 | 60 | 0.59 | 8.3 | 8180 | 1270 | | |
| 365 | 80 | 0.45 | 6.3 | 8180 | 1270 | | |
| 330 | 100 | 0.35 | 5 | 8180 | 1270 | | |
| 794 | 7.5 | 6.4 | 66.7 | 5488 | 1700 | RDV110 | 65 |
| 851 | 10 | 5.2 | 50 | 6040 | 1700 | | |
| 909 | 15 | 3.9 | 33.3 | 6914 | 1700 | | |
| 863 | 20 | 2.8 | 25 | 7610 | 1700 | | |
| 909 | 25 | 2.4 | 20 | 8198 | 1700 | | |
| 1000 | 30 | 2.4 | 16.7 | 8711 | 1700 | | |
| 932 | 40 | 1.7 | 12.5 | 9588 | 1700 | | |
| 880 | 50 | 1.4 | 10 | 10320 | 1700 | | |
| 781 | 60 | 1.1 | 8.3 | 10320 | 1700 | | |
| 662 | 80 | 0.76 | 6.3 | 10320 | 1700 | | |
| 599 | 100 | 0.59 | 5 | 10320 | 1700 | | |
| 1080 | 7.5 | 8.6 | 66.7 | 7178 | 2100 | RDV130 | 66 |
| 1160 | 10 | 7.1 | 50 | 7900 | 2100 | | |
| 1300 | 15 | 5.5 | 33.3 | 9043 | 2100 | | |
| 1230 | 20 | 4 | 25 | 9953 | 2100 | | |
| 1200 | 25 | 3.2 | 20 | 10722 | 2100 | | |
| 1400 | 30 | 3.3 | 16.7 | 11394 | 2100 | | |
| 1300 | 40 | 2.4 | 12.5 | 12540 | 2100 | | |
| 1220 | 50 | 1.9 | 10 | 13500 | 2100 | | |
| 1070 | 60 | 1.5 | 8.3 | 13500 | 2100 | | |
| 970 | 80 | 1.1 | 6.3 | 13500 | 2100 | | |
| 860 | 100 | 0.85 | 5 | 13500 | 2100 | | |





PRESTAZIONI - PERFORMANCE PARAMETER

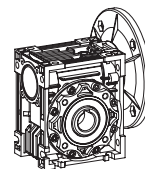
RDV + MRDV ($n_1=1400$)

| M_2 [Nm] | i | P_1 [Kw] | n_2 [min ⁻¹] | Fr_2 [N] | Fr_1 [N] |  |  |
|---------------|------|---------------|-------------------------------|---------------|---------------|---|---|
| 73 | 300 | 0.08 | 4.7 | 3490 | 210 | RDV030+040 | 72 |
| 65 | 400 | 0.06 | 3.5 | 3490 | 210 | | |
| 61 | 500 | 0.04 | 2.8 | 3490 | 210 | | |
| 73 | 600 | 0.04 | 2.3 | 3490 | 210 | | |
| 73 | 750 | 0.04 | 1.9 | 3490 | 210 | | |
| 73 | 900 | 0.03 | 1.6 | 3490 | 210 | | |
| 65 | 1200 | 0.02 | 1.2 | 3490 | 210 | | |
| 73 | 1500 | 0.02 | 0.9 | 3490 | 210 | | |
| 73 | 1800 | 0.02 | 0.8 | 3490 | 210 | | |
| 65 | 2400 | 0.01 | 0.58 | 3490 | 210 | | |
| 65 | 3200 | 0.01 | 0.4 | 3490 | 210 | | |
| 33 | 4000 | 0.01 | 0.4 | 3490 | 210 | | |
| 29 | 5000 | 0.01 | 0.28 | 3490 | 210 | | |
| 145 | 300 | 0.15 | 4.7 | 4840 | 210 | RDV030+050 | 72 |
| 124 | 400 | 0.1 | 3.5 | 4840 | 210 | | |
| 120 | 500 | 0.09 | 2.8 | 4840 | 210 | | |
| 145 | 600 | 0.08 | 2.3 | 4840 | 210 | | |
| 145 | 750 | 0.07 | 1.9 | 4840 | 210 | | |
| 145 | 900 | 0.06 | 1.6 | 4840 | 210 | | |
| 124 | 1200 | 0.04 | 1.2 | 4840 | 210 | | |
| 145 | 1500 | 0.04 | 0.93 | 4840 | 210 | | |
| 145 | 1800 | 0.04 | 0.78 | 4840 | 210 | | |
| 124 | 2400 | 0.03 | 0.6 | 4840 | 210 | | |
| 120 | 3000 | 0.02 | 0.5 | 4840 | 210 | | |
| 82 | 4000 | 0.02 | 0.35 | 4840 | 210 | | |
| 82 | 4800 | 0.02 | 0.29 | 4840 | 210 | | |
| 230 | 300 | 0.24 | 4.7 | 6270 | 210 | RDV030+063 | 72 |
| 230 | 400 | 0.19 | 3.5 | 6270 | 210 | | |
| 216 | 500 | 0.15 | 2.8 | 6270 | 210 | | |
| 230 | 600 | 0.13 | 2.3 | 6270 | 210 | | |
| 216 | 750 | 0.11 | 1.9 | 6270 | 210 | | |
| 198 | 900 | 0.09 | 1.6 | 6270 | 210 | | |
| 230 | 1200 | 0.08 | 1.2 | 6270 | 210 | | |
| 216 | 1500 | 0.06 | 0.93 | 6270 | 210 | | |
| 198 | 1800 | 0.05 | 0.78 | 6270 | 210 | | |
| 230 | 2400 | 0.05 | 0.58 | 6270 | 210 | | |
| 216 | 3000 | 0.04 | 0.47 | 6270 | 210 | | |
| 172 | 4000 | 0.03 | 0.35 | 6270 | 210 | | |
| 150 | 5000 | 0.02 | 0.28 | 6270 | 210 | | |
| 390 | 300 | 0.36 | 4.7 | 7380 | 350 | RDV040+075 | 73 |
| 360 | 400 | 0.27 | 3.5 | 7380 | 350 | | |
| 320 | 500 | 0.21 | 2.8 | 7380 | 350 | | |
| 390 | 600 | 0.19 | 2.3 | 7380 | 350 | | |
| 390 | 750 | 0.16 | 1.9 | 7380 | 350 | | |
| 390 | 900 | 0.14 | 1.6 | 7380 | 350 | | |
| 360 | 1200 | 0.11 | 1.2 | 7380 | 350 | | |

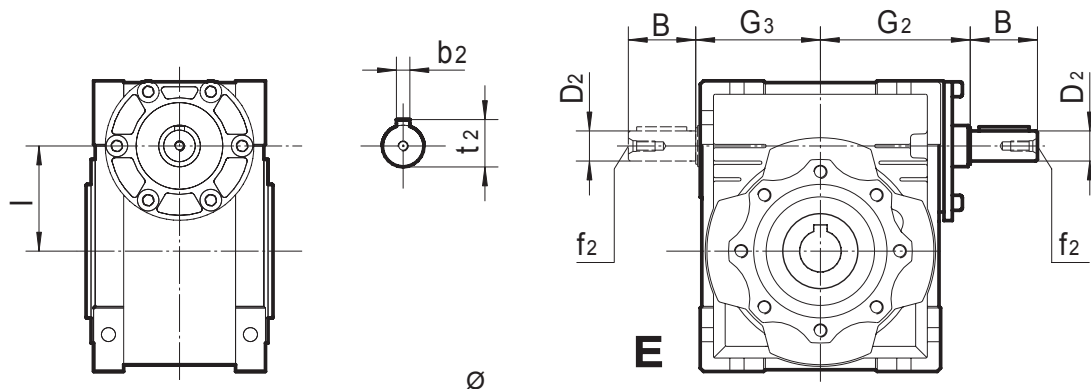


RDV / MRDV (n₁=1400)

| M₂ [Nm] | i | P₁ [Kw] | n₂ [min ⁻¹] | Fr₂ [N] | Fr₁ [N] |  |  |
|------------------------------|----------|------------------------------|--|------------------------------|------------------------------|---|---|
| 390 | 1500 | 0.1 | 0.93 | 7380 | 350 | RDV040+075 | 73 |
| 390 | 1800 | 0.09 | 0.78 | 7380 | 350 | | |
| 360 | 2400 | 0.07 | 0.58 | 7380 | 350 | | |
| 320 | 3000 | 0.05 | 0.47 | 7380 | 350 | | |
| 250 | 4000 | 0.04 | 0.35 | 7380 | 350 | | |
| 230 | 5000 | 0.03 | 0.28 | 7380 | 350 | | |
| 610 | 300 | 0.56 | 4.7 | 8180 | 350 | RDV040+090 | 73 |
| 610 | 400 | 0.43 | 3.5 | 8180 | 350 | | |
| 560 | 500 | 0.34 | 2.8 | 8180 | 350 | | |
| 610 | 600 | 0.3 | 2.3 | 8180 | 350 | | |
| 560 | 750 | 0.23 | 1.9 | 8180 | 350 | | |
| 505 | 900 | 0.19 | 1.6 | 8180 | 350 | | |
| 610 | 1200 | 0.17 | 1.2 | 8180 | 350 | | |
| 560 | 1500 | 0.14 | 0.93 | 8180 | 350 | | |
| 505 | 1800 | 0.11 | 0.78 | 8180 | 350 | RDV040+090 | 73 |
| 610 | 2400 | 0.11 | 0.58 | 8180 | 350 | | |
| 560 | 3000 | 0.08 | 0.47 | 8180 | 350 | | |
| 460 | 4000 | 0.08 | 0.35 | 8180 | 350 | | |
| 410 | 5000 | 0.06 | 0.28 | 8180 | 350 | | |
| 1265 | 300 | 1.1 | 4.7 | 10320 | 490 | RDV050+110 | 73 |
| 1185 | 400 | 0.79 | 3.5 | 10320 | 490 | | |
| 1100 | 500 | 0.61 | 2.8 | 10320 | 490 | | |
| 1185 | 600 | 0.55 | 2.3 | 10320 | 490 | | |
| 1265 | 750 | 0.49 | 1.9 | 10320 | 490 | | |
| 1265 | 900 | 0.43 | 1.6 | 10320 | 490 | | |
| 1185 | 1200 | 0.31 | 1.2 | 10320 | 490 | | |
| 1265 | 1500 | 0.3 | 0.93 | 10320 | 490 | | |
| 1265 | 1800 | 0.26 | 0.78 | 10320 | 490 | | |
| 1185 | 2400 | 0.19 | 0.58 | 10320 | 490 | | |
| 1100 | 3000 | 0.15 | 0.47 | 10320 | 490 | | |
| 819 | 4000 | 0.13 | 0.35 | 10320 | 490 | | |
| 746 | 5000 | 0.1 | 0.28 | 10320 | 490 | | |
| 1760 | 300 | 1.5 | 4.7 | 13500 | 700 | RDV063+130 | 74 |
| 1650 | 400 | 1.1 | 3.5 | 13500 | 700 | | |
| 1550 | 500 | 0.86 | 2.8 | 13500 | 700 | | |
| 1650 | 600 | 0.76 | 2.3 | 13500 | 700 | | |
| 1760 | 750 | 0.66 | 1.9 | 13500 | 700 | | |
| 1760 | 900 | 0.58 | 1.6 | 13500 | 700 | | |
| 1650 | 1200 | 0.43 | 1.2 | 13500 | 700 | | |
| 1760 | 1500 | 0.39 | 0.93 | 13500 | 700 | | |
| 1760 | 1800 | 0.35 | 0.78 | 13500 | 700 | | |
| 1650 | 2400 | 0.25 | 0.58 | 13500 | 700 | | |
| 1550 | 3000 | 0.2 | 0.47 | 13500 | 700 | | |
| 1220 | 4000 | 0.15 | 0.35 | 13500 | 700 | | |
| 1100 | 5000 | 0.11 | 0.28 | 13500 | 700 | | |

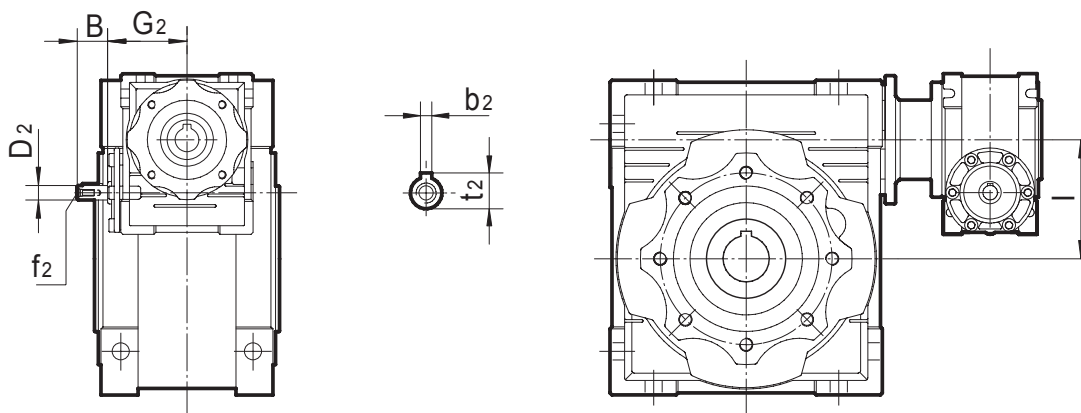


Albero in ingresso - Shaft input worm-gear speed reducer



| RDV | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 |
|----------------|-------|--------|--------|--------|--------|--------|--------|--------|
| B | 20 | 23 | 30 | 40 | 50 | 50 | 60 | 80 |
| D ₂ | ∅9 j6 | ∅11 j6 | ∅14 j6 | ∅19 j6 | ∅24 j6 | ∅24 j6 | ∅28 j6 | ∅30 j6 |
| G ₂ | 51 | 60 | 74 | 90 | 105 | 125 | 142 | 162 |
| G ₃ | 45 | 53 | 64 | 75 | 90 | 108 | 135 | 155 |
| l | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 |
| b ₂ | 3 | 4 | 5 | 6 | 8 | 8 | 8 | 8 |
| f ₂ | - | - | M6 | M6 | M8 | M8 | M10 | M10 |
| t ₂ | 10.2 | 12.5 | 16 | 21.5 | 27 | 27 | 31 | 33 |

Combinazioni riduttori vite senza fine - Combination worm gear unit



| RDV-MRDV | 030-040 | 030-050 | 030-063 | 040-075 | 040-090 | 050-110 | 063-130 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| B | 20 | 20 | 20 | 23 | 23 | 30 | 40 |
| D ₂ | ∅9 j6 | ∅9 j6 | ∅9 j6 | ∅11 j6 | ∅11 j6 | ∅14 j6 | ∅19 j6 |
| G ₂ | 51 | 51 | 51 | 60 | 60 | 74 | 90 |
| l | 10 | 20 | 33 | 35 | 50 | 60 | 67 |
| b ₂ | 3 | 3 | 3 | 4 | 4 | 5 | 6 |
| f ₂ | - | - | - | - | - | M6 | M6 |
| t ₂ | 10.2 | 10.2 | 10.2 | 12.5 | 12.5 | 16 | 21.5 |

Per le dimensioni mancanti consultare le pagine da 58 a 66.

For the missing dimensions, please refer to page 58-66.