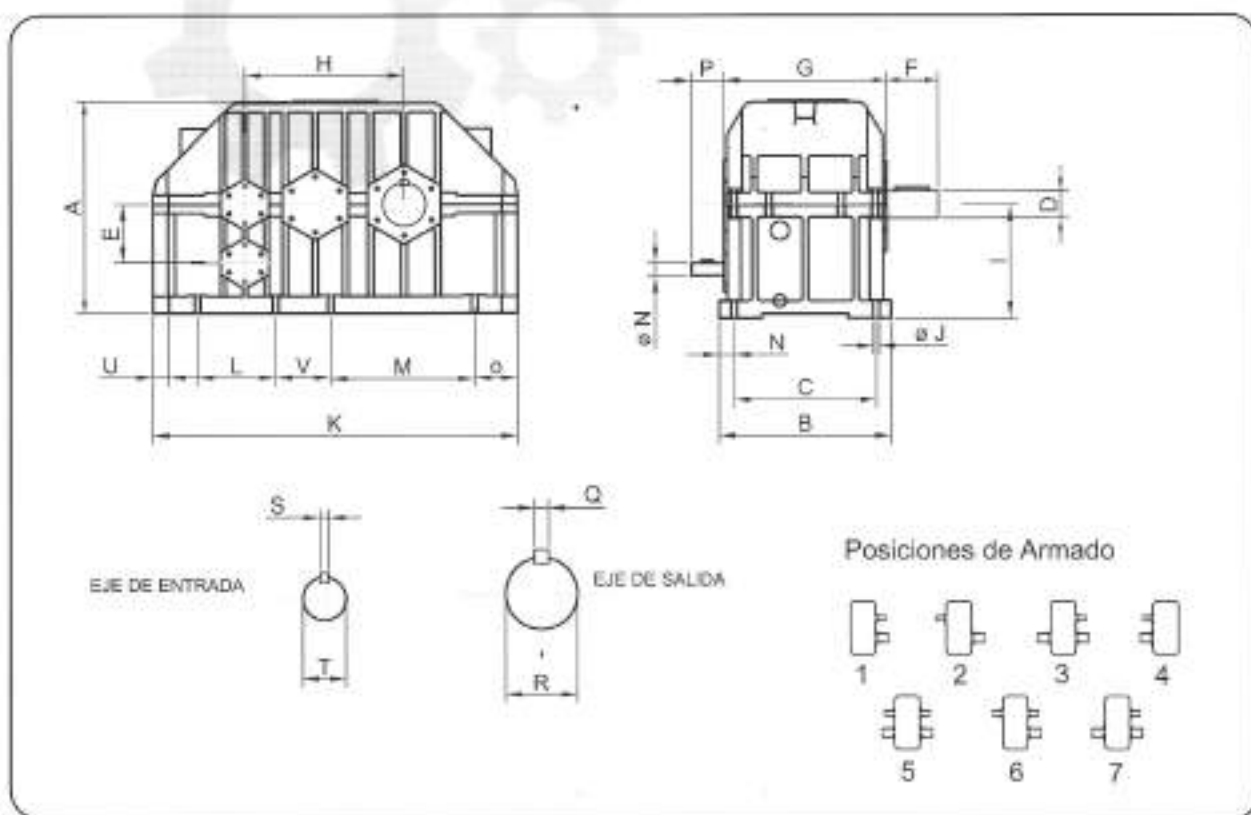


### Reductores a engranajes cilíndricos - helicoidales

#### Modelos de triple tren en paralelo (TTP)



#### Dimensiones

|     | A   | B   | C   | E   | F   | G   | H   | I   | K    | L   | M   | N    | O   | P   | Q  | R     | S  | T    | U   | V   | W   | X    | Y  | Z |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|----|-------|----|------|-----|-----|-----|------|----|---|
| 260 | 340 | 260 | 240 | 100 | 90  | 280 | 260 | 175 | 595  | 255 | 185 | 10   | 75  | 86  | 14 | 53,5  | 10 | 33   | 80  | n   | 50  | 14   | 30 |   |
| 300 | 389 | 296 | 265 | 100 | 102 | 310 | 300 | 195 | 690  | 181 | 218 | 15,5 | 70  | 87  | 18 | 64,1  | 10 | 38   | 70  | 151 | 60  | 14   | 35 |   |
| 340 | 414 | 325 | 295 | 100 | 107 | 327 | 340 | 212 | 695  | 145 | 196 | 15   | 129 | 74  | 22 | 74,5  | 14 | 48,5 | 55  | 170 | 80  | 18   | 45 |   |
| 380 | 450 | 330 | 305 | 130 | 110 | 356 | 380 | 250 | 840  | 385 | 345 | 12,5 | 120 | 92  | 22 | 85,5  | 14 | 53,5 | 90  | n   | 80  | 17   | 50 |   |
| 420 | 528 | 350 | 325 | 130 | 144 | 376 | 420 | 270 | 920  | 402 | 287 | 12,5 | 115 | 86  | 22 | 90,5  | 16 | 58,5 | 115 | n   | 85  | 17,5 | 55 |   |
| 490 | 560 | 390 | 350 | 150 | 150 | 420 | 490 | 290 | 1030 | 195 | 325 | 20   | 150 | 111 | 24 | 95,3  | 18 | 64,2 | 110 | 250 | 90  | 20   | 60 |   |
| 560 | 657 | 425 | 380 | 150 | 139 | 455 | 560 | 330 | 1160 | 250 | 350 | 22,5 | 172 | 102 | 28 | 111   | 18 | 64,2 | 90  | 298 | 105 | 22   | 60 |   |
| 640 | 770 | 420 | 374 | 190 | 140 | 440 | 640 | 390 | 1290 | 245 | 490 | 23   | 120 | 115 | 32 | 136,8 | 20 | 74,5 | 115 | 320 | 105 | 23   | 60 |   |

Medidas informativas, para mayor seguridad rogamos consultar

Tabla de Potencias de Modelo doble Tren cónico ( DTC )

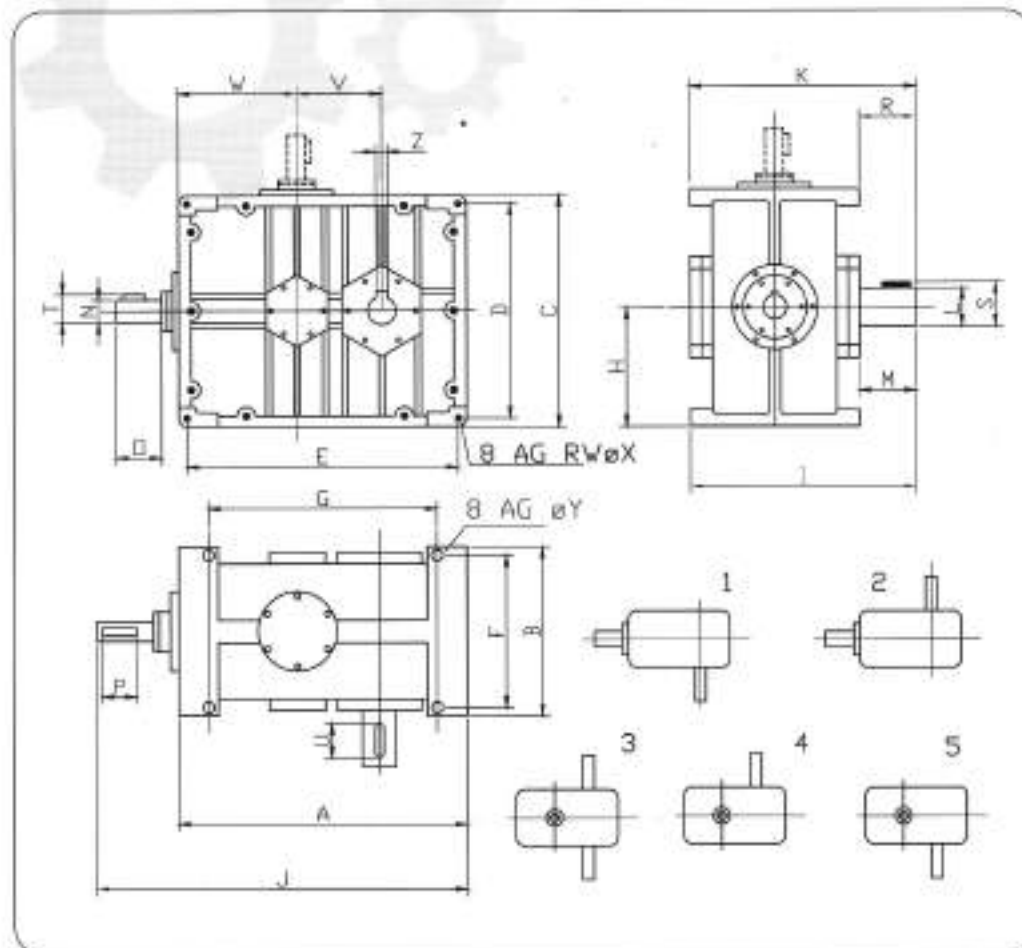
Potencias

| RELACIONES |                  | 01:10 |     | 01:12 |     | 01:15 |     | 01:20 |    | 01:25 |    | 01:30 |    | 01:40 |    | 01:50 |    |
|------------|------------------|-------|-----|-------|-----|-------|-----|-------|----|-------|----|-------|----|-------|----|-------|----|
| MODELO     | RPM <sub>e</sub> | HP    | ns  | HP    | ns  | HP    | ns  | HP    | ns | HP    | ns | HP    | ns | HP    | ns | HP    | ns |
| 120        | 1500             | 13,9  | 150 | 12,5  | 125 | 11    | 100 | 9,9   | 75 | 8,1   | 60 | 6,2   | 50 | 4,9   | 37 | 3,8   | 30 |
|            | 1000             | 9,2   | 100 | 8,25  | 83  | 7,3   | 66  | 6,6   | 50 | 5,4   | 40 | 4,13  | 33 | 3,26  | 25 | 2,53  | 20 |
|            | 750              | 6,9   | 75  | 6,2   | 62  | 5,5   | 50  | 4,95  | 37 | 4     | 30 | 3,1   | 25 | 2,45  | 18 | 1,89  | 15 |
|            | 500              | 4,6   | 50  | 4,1   | 41  | 3,6   | 33  | 3,3   | 25 | 2,7   | 20 | 2,06  | 16 | 1,63  | 12 | 1,26  | 10 |
| 150        | 1500             | 27    | 150 | 24,5  | 125 | 22    | 100 | 19,5  | 75 | 16    | 60 | 12    | 50 | 1,63  | 37 | 7,7   | 30 |
|            | 1000             | 18    | 100 | 16,5  | 83  | 15    | 66  | 13    | 50 | 10,6  | 40 | 8     | 33 | 9,9   | 25 | 5,1   | 20 |
|            | 750              | 13,5  | 75  | 12,37 | 62  | 11,25 | 50  | 9,75  | 37 | 7,95  | 30 | 6     | 25 | 6,6   | 18 | 3,8   | 15 |
|            | 500              | 9     | 50  | 8,25  | 41  | 7,5   | 33  | 6,5   | 25 | 5,3   | 20 | 5,3   | 16 | 4,95  | 12 | 2,5   | 10 |
| 180        | 1500             | 55    | 150 | 50    | 125 | 45    | 100 | 39    | 75 | 32    | 60 | 24    | 50 | 19    | 37 | 15    | 30 |
|            | 1000             | 36    | 100 | 33    | 83  | 30    | 66  | 26    | 50 | 21,3  | 40 | 16    | 33 | 12,6  | 25 | 10    | 20 |
|            | 750              | 27,5  | 75  | 24,9  | 62  | 22,4  | 50  | 19,5  | 37 | 16    | 30 | 12    | 25 | 9,5   | 18 | 7,5   | 15 |
|            | 500              | 18,3  | 50  | 16,6  | 41  | 15    | 33  | 13    | 25 | 10,6  | 20 | 8     | 16 | 6,3   | 12 | 5     | 10 |
| 210        | 1500             | 80    | 150 | 75    | 125 | 70    | 100 | 54    | 75 | 43    | 60 | 37    | 50 | 31    | 37 | 25    | 30 |
|            | 1000             | 55    | 100 | 53    | 83  | 51    | 66  | 40    | 50 | 29    | 40 | 24    | 33 | 20,6  | 25 | 16,6  | 20 |
|            | 750              | 48    | 75  | 45,5  | 62  | 43    | 50  | 33    | 37 | 25    | 30 | 20    | 25 | 15,5  | 18 | 12,5  | 15 |
|            | 500              | 35    | 50  | 33,5  | 41  | 32    | 33  | 25    | 25 | 15    | 20 | 12    | 16 | 10,3  | 12 | 8,3   | 10 |
| 240        | 1500             | 138   | 150 | 124   | 125 | 110   | 100 | 83    | 75 | 65    | 60 | 55    | 50 | 46,5  | 37 | 38    | 30 |
|            | 1000             | 98    | 100 | 88    | 83  | 80    | 66  | 59    | 50 | 45    | 40 | 37    | 33 | 31,5  | 25 | 26    | 20 |
|            | 750              | 83    | 75  | 78    | 62  | 75    | 50  | 56    | 37 | 40    | 30 | 30    | 25 | 25,5  | 18 | 21    | 15 |
|            | 500              | 64    | 50  | 62    | 41  | 60    | 33  | 45    | 25 | 30    | 20 | 22    | 16 | 17,5  | 12 | 13    | 10 |

RPM<sub>e</sub> - RPM ENTRADA - ns = RPM SALIDA - RENO. PROX :97%.

## Reductores a engranajes entrada conicos, salida cilindricos - helicoidales

### Modelos de doble tren cónica (DTC)



### Dimensiones

| MODELO    | A   | B   | C   | D   | E   | G   | H   | I   | J   | K   | L  | M   | N  | o  | P  | Q   | R    | S  | T   | U   | V   | W      | X    | Y  | Z |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|-----|------|----|-----|-----|-----|--------|------|----|---|
| DTC - 120 | 448 | 244 | 366 | 360 | 424 | 220 | 183 | 310 | 541 | 188 | 40 | 80  | 25 | 60 | 40 | 66  | 43,2 | 28 | 65  | 120 | 383 | w 9/16 | 12   | 12 |   |
| DTC - 150 | 506 | 300 | 406 | 390 | 476 | 266 | 203 | 349 | 617 | 216 | 55 | 90  | 30 | 70 | 55 | 83  | 58,9 | 32 | 70  | 150 | 203 | w 5/8  | 13,5 | 18 |   |
| DTC - 180 | 655 | 360 | 528 | 435 | 611 | 320 | 264 | 498 | 760 | 313 | 70 | 143 | 35 | 70 | 55 | 128 | 75   | 39 | 125 | 180 | 264 | w 3/4  | 17   | 20 |   |
| DTC - 210 | 746 | 460 | 536 | 480 | 696 | 424 | 243 | 595 | 886 | 365 | 85 | 162 | 45 | 90 | 85 | 135 | 91   | 49 | 100 | 210 | 293 | w 7/8  | 20   | 22 |   |

Medidas informativas, para mayor seguridad rogamos consultar

# Reductores a engranajes cilíndricos – helicoidales

Tabla de Potencias de Modelo Triple Tren en Triángulo ( TTT )

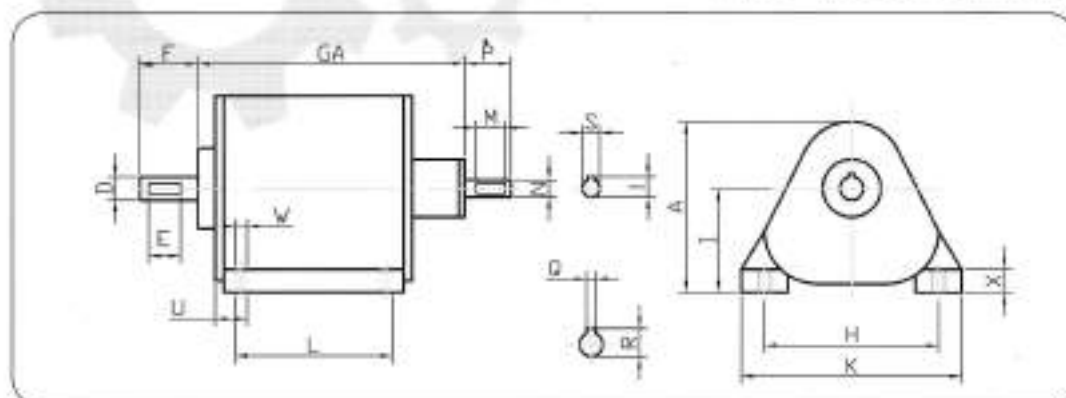
| RELACIONES |      | 01:10 |     | 01:15 |     | 01:20 |    | 01:25 |    | 01:30 |    | 01:35 |    | 01:40 |    | 01:50 |    | 01:60 |      | 01:75 |    | 01:125 |      |
|------------|------|-------|-----|-------|-----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|------|-------|----|--------|------|
| MOD.       | RPMe | HP    | as  | HP    | as  | HP    | as | HP    | as | HP    | as | HP    | as | HP    | as | HP    | as | HP    | as   | HP    | as | HP     | as   |
| 50         | 1500 | 4,65  | 150 | 3,6   | 100 | 2,8   | 75 | 2,2   | 60 | 1,85  | 50 | 1,6   | 42 | 1,4   | 37 | 1     | 30 |       |      |       |    |        |      |
|            | 1000 | 3,64  | 100 | 2,65  | 66  | 2     | 50 | 1,6   | 40 | 1,3   | 33 | 1,2   | 28 | 1     | 25 | 0,8   | 20 |       |      |       |    |        |      |
|            | 750  | 2,63  | 75  | 2,05  | 50  | 1,6   | 37 | 1,25  | 30 | 1,1   | 25 | 0,9   | 21 | 0,7   | 18 | 0,4   | 15 |       |      |       |    |        |      |
| 75         | 1500 | 1,95  | 50  | 1,5   | 33  | 1,2   | 25 | 1     | 20 | 0,8   | 16 | 0,7   | 14 | 0,5   | 12 | 0,2   | 10 |       |      |       |    |        |      |
|            | 1000 | 1,4   | 33  | 1,1   | 25  | 0,9   | 20 | 0,8   | 16 | 0,7   | 14 | 0,5   | 12 | 0,4   | 10 | 0,2   | 8  |       |      |       |    |        |      |
|            | 750  | 1,1   | 25  | 0,9   | 20  | 0,8   | 16 | 0,7   | 14 | 0,5   | 12 | 0,4   | 10 | 0,3   | 8  | 0,2   | 6  |       |      |       |    |        |      |
| 110        | 1500 | 1,6   | 150 | 12,5  | 100 | 10    | 75 | 8,5   | 60 | 7,5   | 50 | 7     | 42 | 6     | 37 | 5     | 30 | 4     | 25   | 2,5   | 20 |        |      |
|            | 1000 | 1,3   | 100 | 9     | 86  | 8     | 50 | 7     | 40 | 5,5   | 33 | 4,5   | 28 | 4     | 25 | 3     | 20 | 1,8   | 17   | 1,3   | 13 |        |      |
|            | 750  | 8,5   | 75  | 6,8   | 50  | 6     | 37 | 6,5   | 30 | 5     | 25 | 4     | 21 | 3,4   | 18 | 2,5   | 15 | 1,7   | 12,5 | 1     | 10 | *      |      |
| 120        | 1500 | 24,5  | 150 | 20    | 100 | 15    | 75 | 14    | 60 | 12    | 50 | 11,5  | 42 | 10    | 37 | 7,5   | 30 | 6,5   | 25   | 5     | 20 | 15     |      |
|            | 1000 | 19    | 100 | 15,5  | 66  | 11    | 50 | 10    | 40 | 8,5   | 33 | 8     | 28 | 6,8   | 25 | 5,5   | 20 | 4,5   | 17   | 3,2   | 13 | 10     |      |
|            | 750  | 16    | 75  | 9     | 50  | 10    | 37 | 8     | 30 | 7,5   | 25 | 6,8   | 21 | 5,6   | 18 | 5     | 15 | 4     | 12,5 | 3     | 10 | 7,5    |      |
| 135        | 1500 | 38    | 150 | 28    | 100 | 23    | 75 | 22    | 60 | 17    | 50 | 16    | 42 | 15    | 37 | 12,5  | 30 | 10    | 25   | 7,5   | 20 | 15     | 4,75 |
|            | 1000 | 28    | 100 | 21    | 66  | 18    | 50 | 16    | 40 | 13    | 33 | 11    | 28 | 10    | 25 | 7,5   | 20 | 6,8   | 17   | 5,3   | 13 | 10     | 4,1  |
|            | 750  | 19    | 75  | 14    | 50  | 12    | 37 | 10    | 30 | 11    | 25 | 9     | 21 | 8     | 18 | 6,5   | 15 | 5,7   | 12,5 | 4,6   | 10 | 7,8    | 3,5  |
| 150        | 1500 | 65    | 150 | 50    | 100 | 40    | 75 | 33    | 60 | 30    | 50 | 28    | 42 | 22    | 37 | 18    | 30 | 15    | 25   | 12,5  | 20 | 15     | 6    |
|            | 1000 | 55    | 100 | 42    | 66  | 28    | 50 | 22    | 40 | 21    | 33 | 19    | 28 | 16    | 25 | 13    | 20 | 11,5  | 17   | 8     | 13 | 10     | 5    |
|            | 750  | 42    | 75  | 24    | 50  | 22    | 37 | 16    | 30 | 18    | 25 | 15    | 21 | 14    | 18 | 11,5  | 15 | 9     | 12,5 | 7,3   | 10 | 7,5    | 4,2  |
| 180        | 1500 | 98    | 150 | 80    | 100 | 60    | 75 | 56    | 60 | 48    | 50 | 46    | 42 | 38    | 37 | 30    | 30 | 25    | 25   | 20    | 20 | 15     | 10   |
|            | 1000 | 76    | 100 | 62    | 66  | 46    | 50 | 40    | 40 | 35    | 33 | 32    | 28 | 26    | 25 | 21    | 20 | 18    | 17   | 13,3  | 13 | 10     | 8    |
|            | 750  | 64    | 75  | 36    | 50  | 38    | 37 | 32    | 30 | 27    | 25 | 23    | 21 | 19    | 18 | 16    | 15 | 14    | 12,5 | 10    | 10 | 7,5    | 6,5  |
|            | 500  | 44    | 50  | 34    | 33  | 31    | 25 | 25    | 20 | 19    | 16 | 18    | 14 | 13    | 12 | 11    | 10 | 8,5   | 8,3  | 6,7   | 6  | 5      | 5    |

RPMe - RPM ENTRADA - as - RPM SALIDA - REND. APROX. 97%.

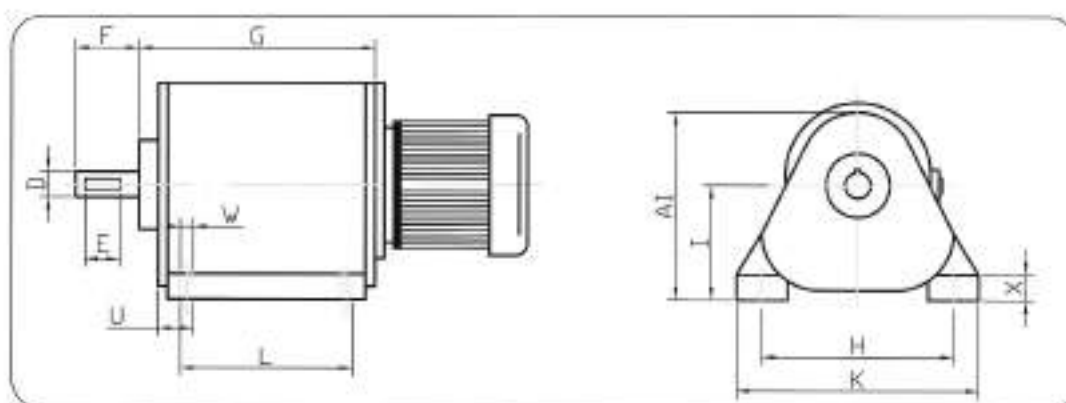
## Reductores a engranajes cilíndricos - helicoidales

Modelos de triple tren en triángulo (TTT)

Tipo B - Reductor con Montaje en la Base



Tipo MB - Motoreductor con Montaje en la Base



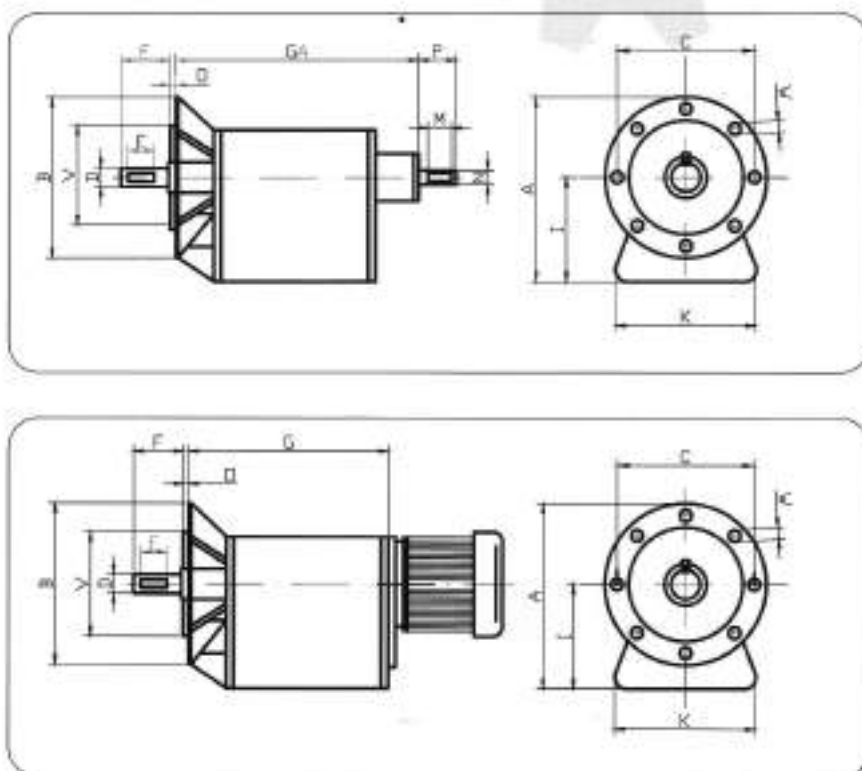
### Dimensiones

| MODELO | A   | A1  | B   | C   | D   | E   | F   | G   | GA  | H   | I   | J  | K   | L   | M  | N  | O   | P   | Q  | R    | S  | T    | U  | V   | W  | X  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|-----|-----|----|------|----|------|----|-----|----|----|
| 50     | 178 | 178 | 156 | 130 | 30  | 50  | 57  | 190 | 259 | 128 | 98  | 12 | 158 | 140 | 30 | 19 | 60  | 40  | 8  | 33,5 | 6  | 21,5 | 25 | 110 | 9  | 13 |
| 75     | 288 | 256 | 250 | 215 | 35  | 60  | 70  | 325 | 414 | 229 | 163 | 15 | 255 | 100 | 50 | 22 | 75  | 70  | 10 | 38,5 | 6  | 24,5 | 40 | 180 | 14 | 15 |
| 110    | 350 | 338 | 300 | 265 | 60  | 95  | 120 | 345 | 410 | 300 | 200 | 25 | 340 | 170 | 70 | 35 | 125 | 100 | 18 | 64,1 | 10 | 38,2 | 20 | 230 | 14 | 17 |
| 120    | 422 | 384 | 360 | 300 | 70  | 110 | 143 | 479 | 606 | 400 | 242 | 20 | 460 | 170 | 63 | 35 | 148 | 80  | 20 | 74,6 | 10 | 38,3 | 45 | 250 | 18 | 29 |
| 135    | 475 | 430 | 450 | 400 | 75  | 100 | 125 | 515 | 505 | 330 | 250 | 25 | 420 | 300 | 50 | 45 | 130 | 85  | 20 | 79,5 | 10 | 38,3 | 55 | 350 | 17 | 35 |
| 150    | 675 | 460 | 660 | 600 | 90  | 140 | 175 | 513 | 668 | 460 | 345 | 35 | 480 | 220 | 70 | 50 | 181 | 100 | 25 | 95,3 | 14 | 53,5 | 40 | 550 | 23 | 27 |
| 180    | 815 | 565 | 800 | 740 | 105 | 165 | 210 | 660 | 750 | 570 | 415 | 35 | 590 | 340 | 90 | 70 | 216 | 110 | 28 | 111  | 20 | 74,6 | 55 | 690 | 23 | 45 |

Medidas informativas, para mayor seguridad rogamos consultar

## Reductores a engranajes cilindricos - helicoidales

### Modelos triple tren en triangulo con brida frontal (TTT)



### Dimensiones

| MODELO | A   | A1  | B   | C   | D   | E   | F   | G   | GA  | H   | I   | J  | K   | L   | M  | N  | O   | P   | Q  | R    | S  | T    | U  | V   | W  | X  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|-----|-----|----|------|----|------|----|-----|----|----|
| 50     | 178 | 178 | 156 | 130 | 30  | 50  | 57  | 190 | 259 | 128 | 98  | 12 | 158 | 140 | 30 | 19 | 60  | 40  | 8  | 33,5 | 6  | 21,5 | 25 | 130 | 9  | 13 |
| 75     | 288 | 256 | 250 | 225 | 35  | 60  | 70  | 325 | 434 | 229 | 163 | 15 | 255 | 100 | 50 | 22 | 75  | 70  | 10 | 38,5 | 6  | 24,5 | 40 | 180 | 14 | 15 |
| 110    | 350 | 338 | 300 | 265 | 60  | 95  | 120 | 345 | 430 | 300 | 200 | 25 | 340 | 170 | 70 | 35 | 125 | 100 | 18 | 64,3 | 10 | 38,3 | 20 | 230 | 14 | 17 |
| 120    | 422 | 384 | 360 | 300 | 70  | 110 | 143 | 479 | 506 | 400 | 342 | 20 | 460 | 170 | 65 | 35 | 148 | 80  | 20 | 74,6 | 10 | 38,3 | 45 | 250 | 18 | 29 |
| 135    | 475 | 430 | 450 | 400 | 75  | 100 | 125 | 515 | 505 | 330 | 250 | 25 | 420 | 300 | 50 | 45 | 130 | 85  | 20 | 79,5 | 10 | 38,3 | 55 | 350 | 17 | 35 |
| 150    | 675 | 460 | 660 | 600 | 90  | 140 | 175 | 513 | 688 | 480 | 345 | 35 | 480 | 220 | 70 | 50 | 183 | 100 | 25 | 95,3 | 14 | 53,5 | 40 | 550 | 23 | 27 |
| 180    | 825 | 565 | 800 | 740 | 105 | 165 | 210 | 660 | 790 | 570 | 415 | 35 | 590 | 340 | 90 | 70 | 216 | 130 | 28 | 111  | 20 | 74,6 | 55 | 690 | 23 | 45 |

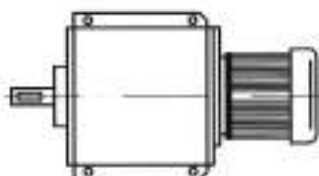
Medidas informativas, para mayor seguridad rogamos consultar



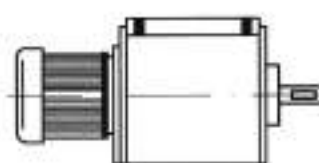
Posiciones de montaje - Modelos de triple tren en triángulo (TTT)



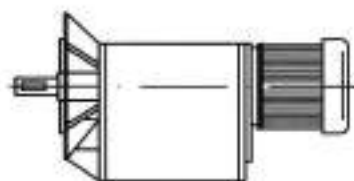
BM 1



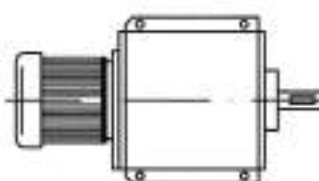
BM 5



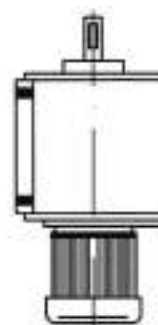
BM 2



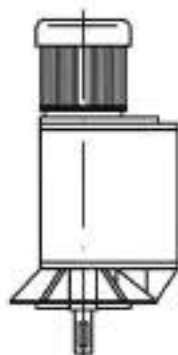
FM 7



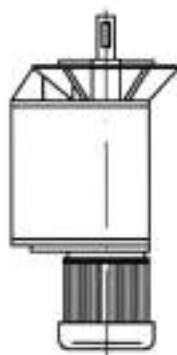
BM 6



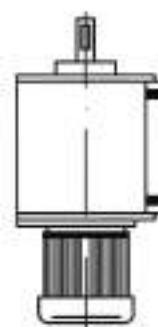
BM 3



FM 8



FM 9



BM 4

Tabla de potencia de reductores universales (MR)

| 1   | HP<br>M2 | n2  | n 1 = 1400 |      |      |      |       |      |      |       |     |
|-----|----------|-----|------------|------|------|------|-------|------|------|-------|-----|
|     |          |     | 30         | 40   | 50   | 63   | 75    | 90   | 110  | 130   | 150 |
| 7,5 | HP<br>M2 | 187 | 0,25       | 0,5  | 1    | 2    | 4     | 5,5  | 10   | 12,5  | 20  |
|     |          |     | 0,8        | 1,56 | 3,1  | 6,2  | 12,5  | 17,6 | 32   | 40,28 | 69  |
| 10  | HP<br>M2 | 140 | 0,25       | 0,5  | 1    | 2    | 4     | 5,5  | 10   | 12,5  | 20  |
|     |          |     | 0,9        | 2    | 4,11 | 8,2  | 16,8  | 23   | 42,4 | 53,11 | 87  |
| 15  | HP<br>M2 | 93  | 0,25       | 0,5  | 1    | 2    | 4     | 7,5  | 10   | 10    | 15  |
|     |          |     | 1,3        | 2,84 | 5,8  | 1,8  | 17,8  | 25   | 46,1 | 62,3  | 94  |
| 20  | HP<br>M2 | 70  | 0,25       | 0,5  | 1    | 2    | 3     | 4    | 7,5  | 10    | 15  |
|     |          |     | 2          | 3,7  | 7,5  | 15,4 | 23,5  | 32   | 61   | 81,16 | 125 |
| 25  | HP<br>M2 | 56  | 0,25       | 0,33 | 0,75 | 1,5  | 3     | 5,5  | 10   | 10    | 10  |
|     |          |     | 2          | 3    | 6,6  | 11,5 | 16,5  | 30   | 55   | 100,3 | 120 |
| 30  | HP<br>M2 | 47  | 0,16       | 0,33 | 0,75 | 1,5  | 3     | 5,5  | 7,5  | 7,5   | 10  |
|     |          |     | 1,5        | 3    | 7,6  | 12,1 | 16    | 33   | 62   | 85,94 | 125 |
| 40  | HP<br>M2 | 35  | 0,16       | 0,33 | 0,5  | 1    | 15    | 2    | 4    | 5,5   | 10  |
|     |          |     | 1,8        | 4,19 | 6,2  | 13,3 | 20,6  | 28,6 | 59   | 81,93 | 155 |
| 50  | HP<br>M2 | 28  | 0,12       | 0,25 | 0,5  | 0,75 | 1     | 2    | 3    | 5,5   | 7,5 |
|     |          |     | 15         | 3,7  | 6,9  | 11,7 | 16,4  | 34,4 | 52,5 | 97,16 | 140 |
| 60  | HP<br>M2 | 23  | 0,12       | 0,16 | 0,33 | 0,75 | 1     | 1,5  | 3    | 4     | 5,5 |
|     |          |     | 1,16       | 2,66 | 5,7  | 13,4 | 18,6  | 29,6 | 61,8 | 82,5  | 118 |
| 80  | HP<br>M2 | 18  | 0,08       | 0,16 | 0,34 | 0,5  | 0,75  | 1    | 2    | 3     | 4   |
|     |          |     | 1,4        | 3,2  | 5,1  | 10,8 | 17,2  | 24   | 49,6 | 76,98 | 113 |
| 100 | HP<br>M2 | 14  |            | 0,16 | 0,34 | 0,5  | 0,75  | 1    | 1,5  | 2     | 3   |
|     |          |     |            | 2,7  | 3,63 | 11,3 | 17,18 | 25,2 | 44,1 | 60,16 | 97  |

M2: Torque kgm. N2: salida RPM . I : Relacion

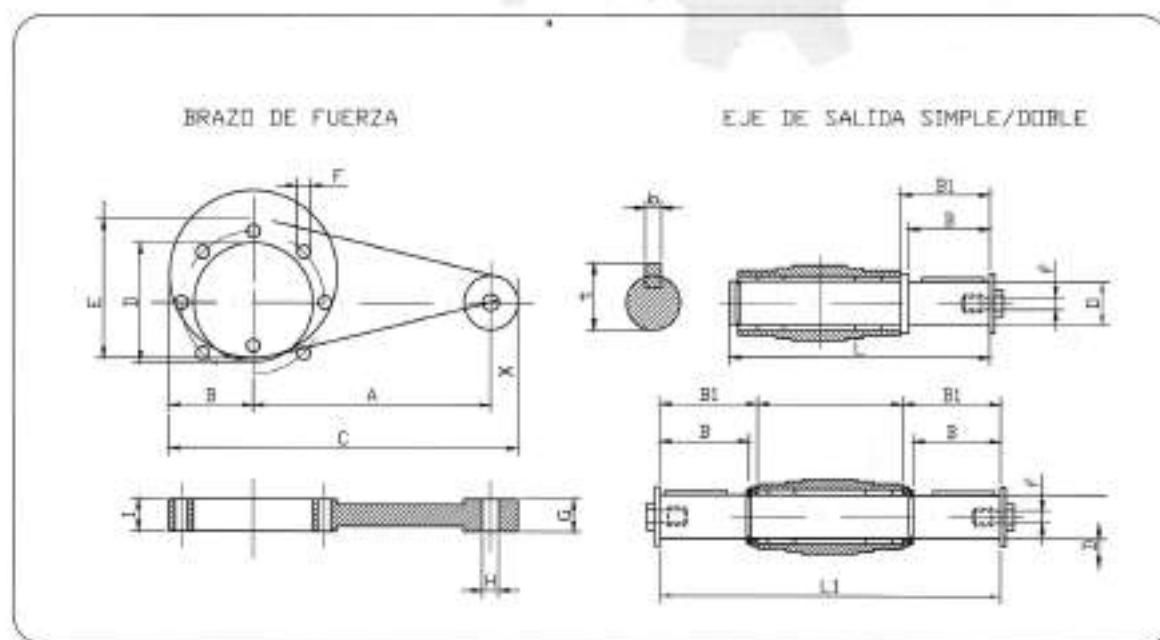


- Reductor universal (MR)



### Dimensiones

| TAMAÑO | R     | V    | K   | KA    | KB | KC | KE        | KM  | KN  | KO  | KP  | KQ  | b  | tl   | Peso |
|--------|-------|------|-----|-------|----|----|-----------|-----|-----|-----|-----|-----|----|------|------|
| 25     | 48    | 22,5 | 35  | 45    | 6  | 3  | M6X11(4)  | 65  | 40  | 5   | 75  | 70  | 4  | 13   | 0,9  |
| 30     | 57    | 27   | 44  | 54,5  | 6  | 4  | M6X11(4)  | 68  | 50  | 6,5 | 80  | 70  | 5  | 16,3 | 1,2  |
| 40     | 71,5  | 35   | 60  | 67    | 7  | 4  | M8X18(4)  | 87  | 60  | 9   | 110 | 95  | 6  | 20,8 | 2,3  |
| 50     | 102   | 50   | 85  | 90    | 9  | 5  | M8X10(4)  | 90  | 70  | 11  | 125 | 110 | 8  | 28,3 | 3,5  |
| 63     | 102   | 50   | 85  | 82    | 10 | 6  | M8X14(8)  | 150 | 115 | 11  | 180 | 142 | 8  | 28,3 | 6,2  |
| 75     | 119   | 60   | 90  | 111   | 13 | 6  | M8X14(8)  | 165 | 130 | 14  | 200 | 170 | 8  | 31,3 | 9    |
| 90     | 135   | 70   | 100 | 111   | 13 | 6  | M10X18(8) | 175 | 152 | 14  | 210 | 200 | 10 | 38,3 | 13   |
| 110    | 166,5 | 85   | 115 | 139   | 15 | 6  | M10X18(8) | 230 | 170 | 14  | 280 | 260 | 12 | 45,3 | 35   |
| 130    | 187,5 | 100  | 120 | 151,5 | 15 | 6  | M12X20(8) | 255 | 180 | 16  | 320 | 290 | 14 | 48,8 | 48   |
| 150    | 230   | 120  | 145 | 155   | 15 | 7  | M12X21(8) | 255 | 180 | 16  | 320 | 290 | 14 | 53,8 | 66   |
| 185    | 265   | 155  | 175 | 190   | 22 | 7  | M16X25(8) | 350 | 280 | 22  | 400 | 390 | 18 | 64,4 | 91   |



Dimensiones

| MOD. | A   | B   | C   | D   | E   | F  | G  | H  | I  |
|------|-----|-----|-----|-----|-----|----|----|----|----|
| 25   | 70  | 33  | 118 | 45  | 55  | 7  | 14 | 8  | 6  |
| 30   | 85  | 38  | 138 | 54  | 65  | 7  | 14 | 8  | 6  |
| 40   | 100 | 44  | 162 | 60  | 75  | 7  | 14 | 10 | 12 |
| 50   | 100 | 50  | 168 | 70  | 85  | 9  | 14 | 10 | 12 |
| 63   | 150 | 55  | 223 | 80  | 95  | 9  | 14 | 10 | 12 |
| 75   | 200 | 70  | 300 | 95  | 115 | 9  | 25 | 20 | 20 |
| 90   | 200 | 80  | 310 | 110 | 130 | 11 | 25 | 20 | 20 |
| 110  | 250 | 100 | 385 | 130 | 165 | 11 | 30 | 25 | 25 |
| 130  | 250 | 125 | 410 | 180 | 215 | 14 | 30 | 25 | 30 |
| 150  | 250 | 155 | 495 | 260 | 275 | 14 | 30 | 30 | 30 |

Dimensiones

| MOD. | D(h6) | B  | B1   | L   | L1  | f   | b  | t    |
|------|-------|----|------|-----|-----|-----|----|------|
| 25   | 11    | 23 | 25,5 | 81  | 101 |     | 4  | 12,5 |
| 30   | 14    | 30 | 32,5 | 102 | 128 | M6  | 5  | 16   |
| 40   | 18    | 40 | 43   | 128 | 164 | M6  | 6  | 20,5 |
| 50   | 25    | 50 | 53,5 | 153 | 199 | M10 | 8  | 28   |
| 63   | 25    | 50 | 53,5 | 173 | 219 | M10 | 8  | 28   |
| 75   | 28    | 60 | 63,5 | 192 | 247 | M10 | 8  | 31   |
| 90   | 35    | 80 | 84   | 234 | 308 | M12 | 10 | 38   |
| 110  | 42    | 80 | 84,5 | 249 | 324 | M16 | 12 | 45   |
| 130  | 45    | 80 | 85   | 265 | 340 | M16 | 14 | 48,5 |
| 150  | 50    | 82 | 87   | 297 | 374 | M16 | 14 | 53,5 |

Medidas informativas, para mayor seguridad rogamos consultar