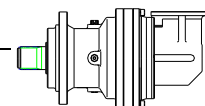
**NB305L****M2'=5000N.m**

| | I | Mn₂ (N.m) | | | | | | P₁ (KW) | P_t(KW) (ta=20°C) (n ₁ =1500) | n₁ (min ⁻¹) | n_{1max} (min ⁻¹) | M_b (N.m) | Brake type 制动器 |
|------|----------|-----------------------------|---------------------------|---------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|---|--|---|-------------------------------|--------------------------|
| | | n _{2.h} 10000 | n _{2.h} 25000 | n _{2.h} 50000 | n _{2.h} 100000 | n _{2.h} 500000 | n _{2.h} 1000000 | | | | | | |
| L1 | 3.7 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 60 | 13 | 1 750 | 3 500 | 1 000 | 5K |
| | 4.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 60 | 13 | 1 750 | 3 500 | 1 000 | 5K |
| | 5 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 60 | 13 | 1 750 | 3 500 | 1 000 | 5K |
| | 5.6 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 60 | 13 | 1 750 | 3 500 | 1 000 | 5K |
| | 6.8 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 50 | 13 | 1 750 | 3 500 | 800 | 5G |
| L2 | 12.4 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 30 | 9 | 1 750 | 3 500 | 440 | 4L |
| | 14.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 30 | 9 | 1 750 | 3 500 | 440 | 4L |
| | 18.7 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 25 | 9 | 1 750 | 3 500 | 400 | 4K |
| | 24.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 22 | 9 | 1 750 | 3 500 | 260 | 4F |
| | 25.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 22 | 9 | 1 750 | 3 500 | 260 | 4F |
| | 28.9 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 20 | 9 | 1 750 | 3 500 | 260 | 4F |
| | 30 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 19.5 | 9 | 1 750 | 3 500 | 260 | 4F |
| | 32.1 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 18 | 9 | 1 750 | 3 500 | 260 | 4F |
| | 40.1 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 15 | 9 | 1 750 | 3 500 | 160 | 4D |
| | 49.1 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 10 | 9 | 1 750 | 3 500 | 100 | 4B |
| L3 | 48.1 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 12 | 7.5 | 1 750 | 3 500 | 160 | 4D |
| | 55.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 10 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 63.2 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 9 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 71.6 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 9 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 82 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 9 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 108 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 7 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 140 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 6.2 | 7.5 | 1 750 | 3 500 | 100 | 4B |
| | 174 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 5 | 7.5 | 1 750 | 3 500 | 50 | 4A |
| | 208 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 3.8 | 7.5 | 1 750 | 3 500 | 50 | 4A |
| | 259 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 2.4 | 7.5 | 1 750 | 3 500 | 50 | 4A |
| 354 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 1.5 | 7.5 | 1 750 | 3 500 | 50 | 4A | |
| L4 | 318 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 2.9 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 365 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 2.6 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 413 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 2.3 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 473 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 2 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 621 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 1.5 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 745 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 1.3 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 806 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 1.2 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 1007 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 1 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 1256 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 0.7 | 6 | 1 750 | 3 500 | 50 | 4A |
| | 1495 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 0.55 | 6 | 1 750 | 3 500 | 50 | 4A |
| 1866 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 0.37 | 6 | 1 750 | 3 500 | 50 | 4A | |
| 2545 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 0.25 | 6 | 1 750 | 3 500 | 50 | 4A | |

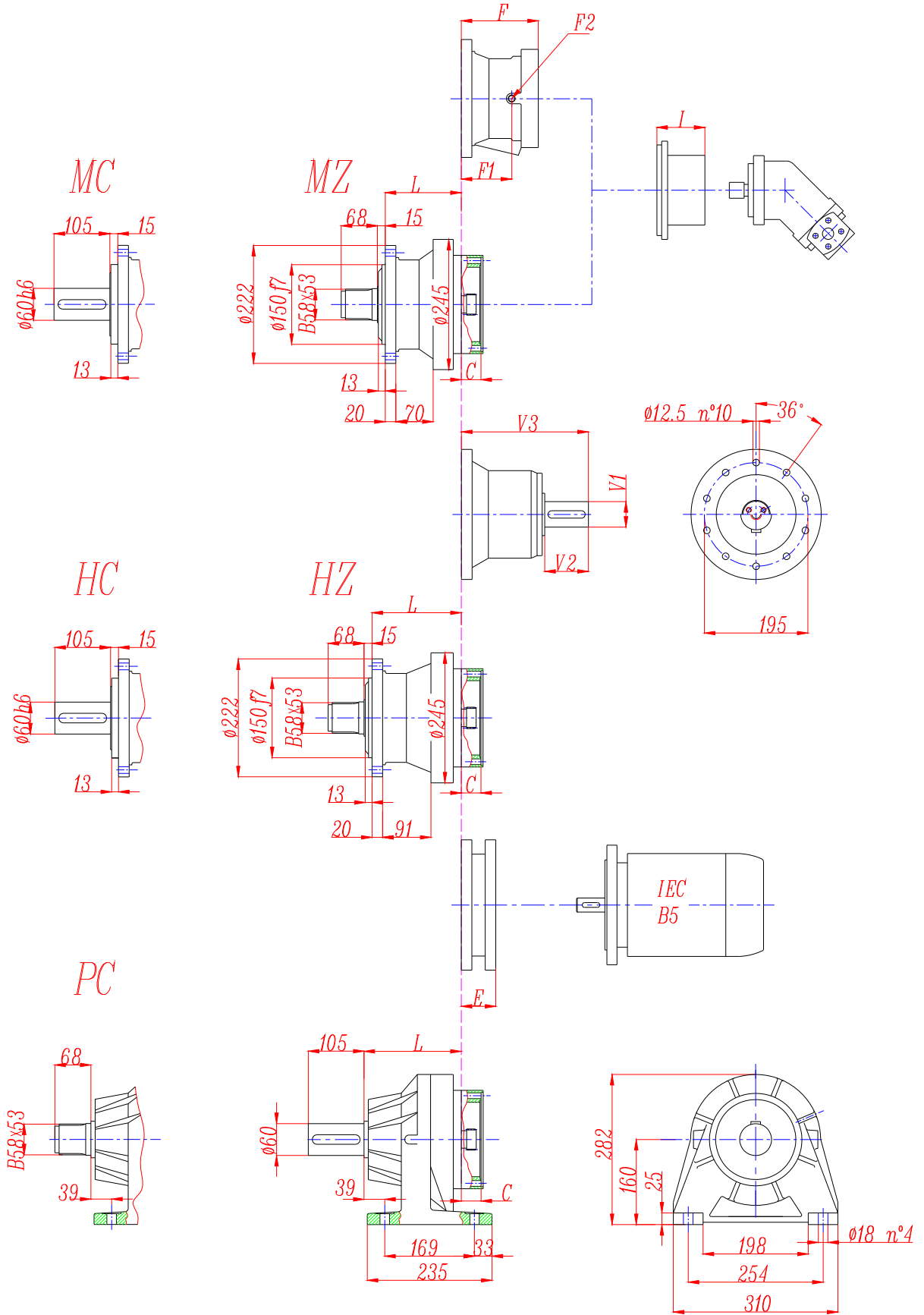
$$M_{2max}=1.2 \times Mn_2(n_2 \times h=10\ 000)$$

**NB305R****M2'=5000N.m**

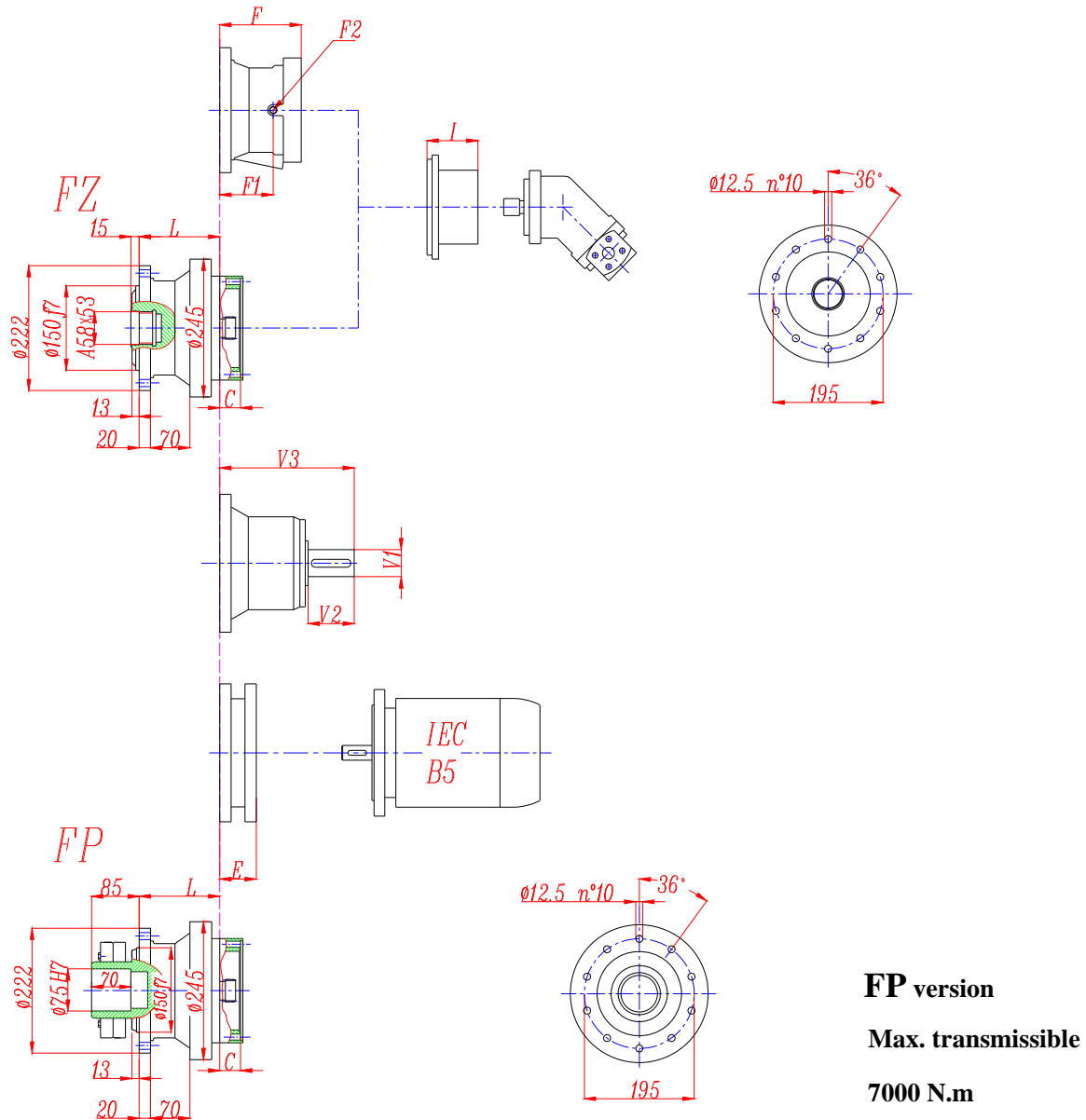
| | I | Mn₂ (N.m) | | | | | | P₁ | P_t(KW) (ta=20°C) (n ₁ =1500) | n₁ | n_{1max} | M_b | Brake type |
|----|----------|-----------------------------|---------------------------|---------------------------|----------------------------|----------------------------|-----------------------------|----------------------|---|----------------------|-------------------------|----------------------|-------------------|
| | | n _{2.h} 10000 | n _{2.h} 25000 | n _{2.h} 50000 | n _{2.h} 100000 | n _{2.h} 500000 | n _{2.h} 1000000 | | | | | | |
| R2 | 9.4 | 4 600 | 4 000 | 3 500 | 3 200 | 2 000 | 1 600 | 35 | 18 | 1 750 | 3 500 | 440 | 4L |
| | 10.8 | 5 000 | 4 600 | 4 100 | 3 500 | 2 100 | 1 700 | 35 | 18 | 1 750 | 3 500 | 440 | 4L |
| | 12.8 | 5 300 | 4 900 | 4 400 | 4 200 | 2 600 | 2 100 | 27 | 18 | 1 750 | 3 500 | 440 | 4L |
| | 14.3 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 18.9 | 18 | 1 750 | 3 500 | 330 | 4H |
| | 17.5 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 14.3 | 18 | 1 750 | 3 500 | 260 | 4F |
| R3 | 25.4 | 5 000 | 4 600 | 4 100 | 3 500 | 2 100 | 1 700 | 13 | 14 | 1 750 | 3 500 | 260 | 4F |
| | 29.1 | 5 300 | 4 900 | 4 400 | 4 200 | 2 600 | 2 100 | 15 | 14 | 1 750 | 3 500 | 260 | 4F |
| | 38.3 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 14 | 14 | 1 750 | 3 500 | 260 | 4F |
| | 49.7 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 12 | 14 | 1 750 | 3 500 | 160 | 4D |
| | 51.4 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 12 | 14 | 1 750 | 3 500 | 160 | 4D |
| | 59.1 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 10 | 14 | 1 750 | 3 500 | 160 | 4D |
| | 61.5 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 10 | 14 | 1 750 | 3 500 | 100 | 4B |
| | 65.9 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 9 | 14 | 1 750 | 3 500 | 100 | 4B |
| | 82.2 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 7 | 14 | 1 750 | 3 500 | 100 | 4B |
| | 101 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 5.3 | 14 | 1 750 | 3 500 | 50 | 4A |
| R4 | 98.6 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 7 | 12 | 1 750 | 3 500 | 100 | 4B |
| | 113 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 6.1 | 12 | 1 750 | 3 500 | 100 | 4B |
| | 130 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 5.5 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 147 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 5 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 168 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 4.5 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 221 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 4 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 287 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 3.3 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 358 | 5 800 | 5 500 | 5 300 | 5 200 | 3 700 | 3 000 | 2.6 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 426 | 5 600 | 5 100 | 4 400 | 4 400 | 3 600 | 2 950 | 1.9 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 531 | 4 600 | 3 950 | 3 600 | 3 600 | 3 500 | 2 900 | 1.2 | 12 | 1 750 | 3 500 | 50 | 4A |
| | 725 | 3 800 | 3 300 | 3 100 | 3 100 | 3 000 | 2 400 | 0.75 | 12 | 1 750 | 3 500 | 50 | 4A |

$$M_{2max}=1.2 \times Mn_2(n_2 \times h=10\ 000)$$

NB305L



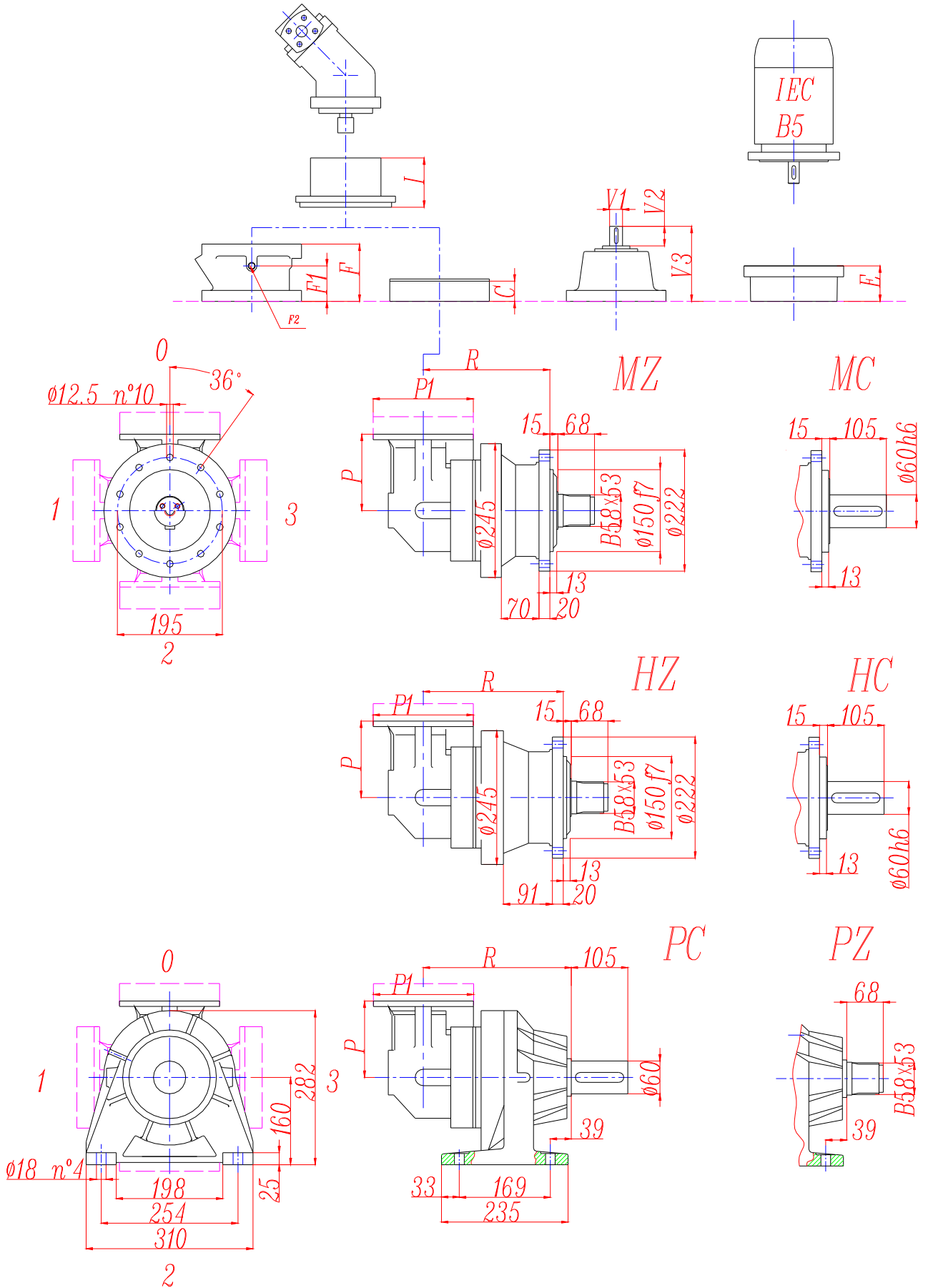
NB305L



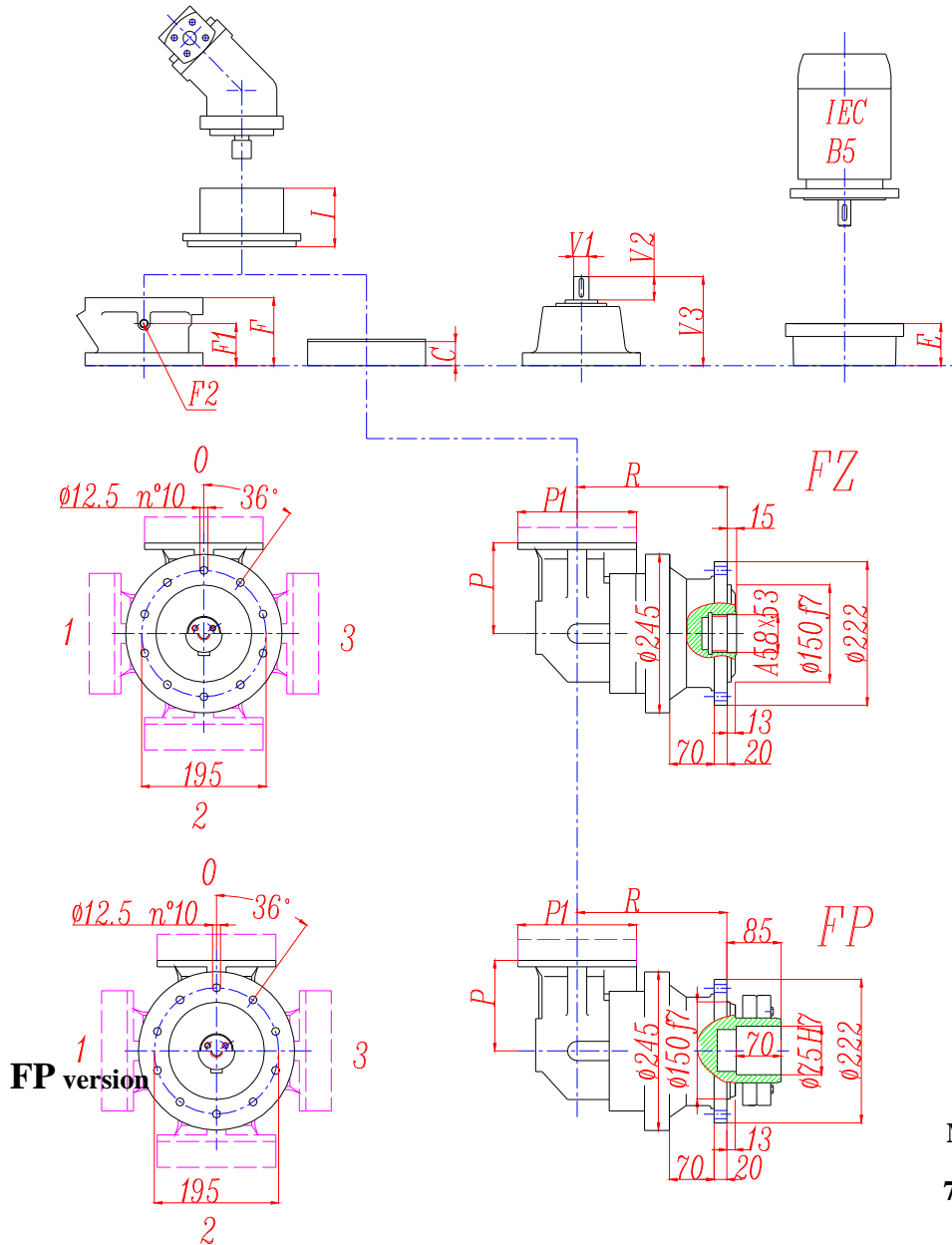
| | L | | | | Ref. weight (without input) (Kg) | | | | C | I | Brake | | | | |
|--------------|-------|-------|-------|-------|----------------------------------|-------|-------|-------|----|------------------------------|-------|----|-------|------|-------------|
| | MZ MC | FZ FP | HZ HC | PC PZ | MZ MC | FZ FP | HZ HC | PC PZ | | | F | F1 | F2 | Type | Ref. Weight |
| 305L1 | 148 | 148 | 168 | 183 | 38 | 38 | 40 | 52 | 37 | According to hydraulic motor | 142 | 88 | 1/4 G | 5 | 38 Kg |
| 305L2 | 213 | 213 | 233 | 248 | 47 | 47 | 49 | 61 | 37 | | 105 | 65 | 1/4 G | 4 | |
| 305L3 | 266 | 266 | 286 | 301 | 55 | 55 | 57 | 69 | 37 | | 105 | 65 | 1/4 G | 4 | |
| 305L4 | 319 | 319 | 339 | 354 | 63 | 63 | 65 | 77 | 37 | | 105 | 65 | 1/4 G | 4 | |

| | E (IEC motor input) | | | | | | | | | | | |
|--------------|---------------------|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| | | | IEC71 | IEC80 | IEC90 | IEC100 | IEC112 | IEC132 | IEC160 | IEC180 | IEC200 | IEC225 |
| 305L1 | | | | | | | | 120 | 153 | 153 | 153 | 186 |
| 305L2 | | | 77 | 97 | 97 | 107 | 107 | 120 | 153 | 153 | | |
| 305L3 | | | 77 | 97 | 97 | 107 | 107 | 120 | 153 | 153 | | |
| 305L4 | | | 77 | 97 | 97 | 107 | 107 | 120 | 153 | 153 | | |

NB305R



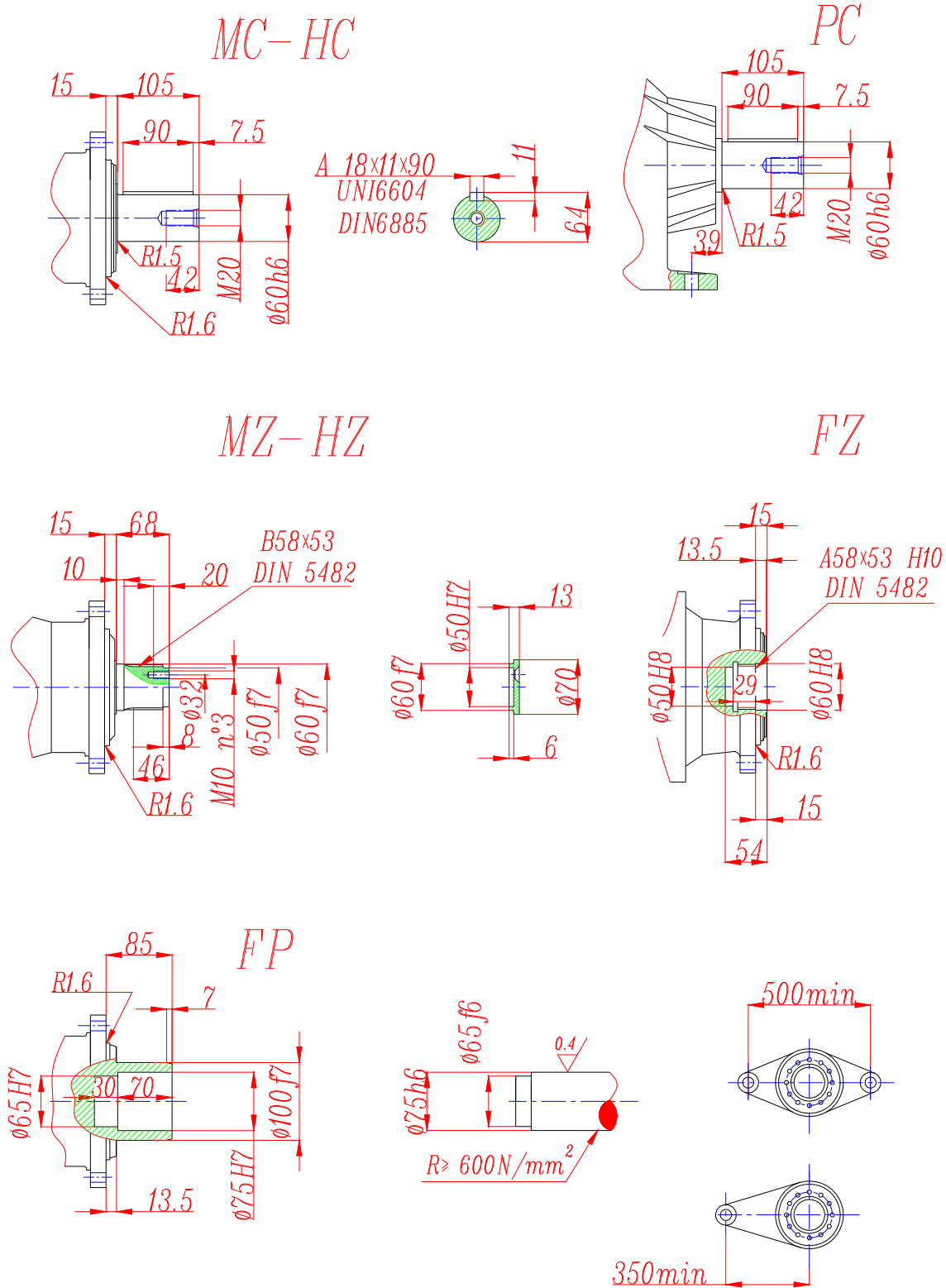
NB305R



| | R | | | | Ref. weight (without input) (Kg) | | | | C | P | I | Brake | | | | |
|--------------|-------|-------|-------|-------|----------------------------------|-------|-------|-------|----|-----|------------------------------|-------|----|-------|------|-------------|
| | MZ MC | FZ FP | HZ HC | PC PZ | MZ MC | FZ FP | HZ HC | PC PZ | | | | F | F1 | F2 | Type | Ref. Weight |
| 305R2 | 255 | 255 | 275 | 290 | 74 | 74 | 76 | 88 | 37 | 149 | According to hydraulic motor | 105 | 65 | 1/4 G | 4 | 18 Kg |
| 305R3 | 291 | 291 | 301 | 316 | 61 | 61 | 63 | 75 | 37 | 122 | | 105 | 65 | 1/4 G | 4 | |
| 305R4 | 344 | 344 | 364 | 379 | 69 | 69 | 71 | 83 | 37 | 122 | | 105 | 65 | 1/4 G | 4 | |

| | P1 | E (IEC motor input) | | | | | |
|--------------|-----|---------------------|-------|-------|--------|--------|--------|
| | | IEC71 | IEC80 | IEC90 | IEC100 | IEC112 | IEC132 |
| 305R2 | 186 | 77 | 97 | 97 | 107 | 107 | 120 |
| 305R3 | 186 | 77 | 97 | 97 | 107 | 107 | 120 |
| 305R4 | 186 | 77 | 97 | 97 | 107 | 107 | 120 |

NB305L - NB305R

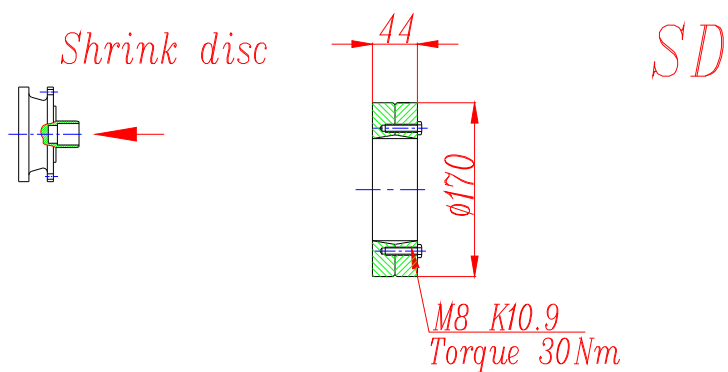
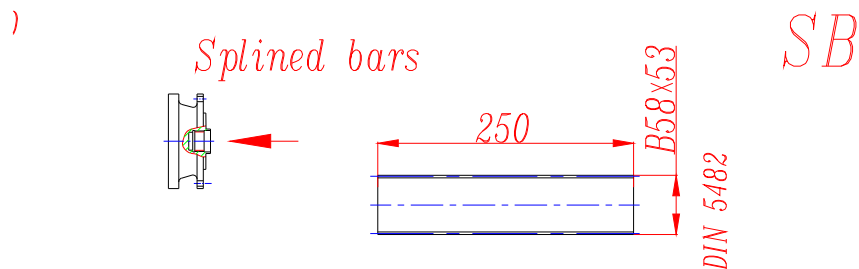
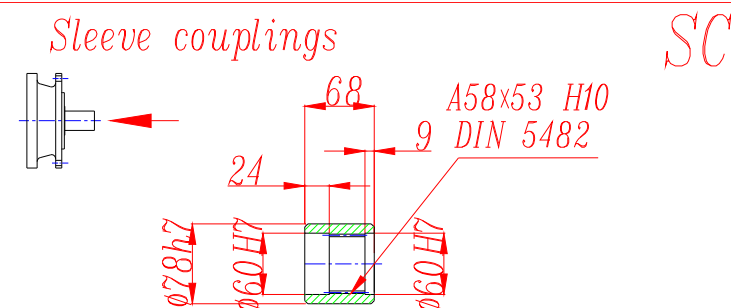
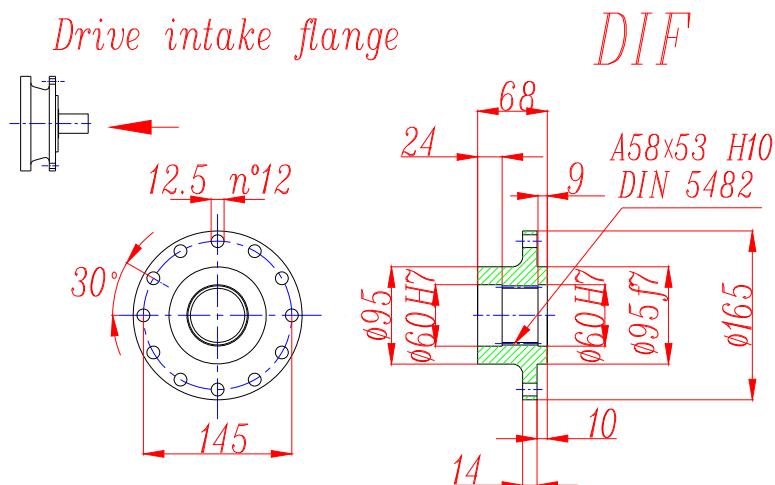


FP version

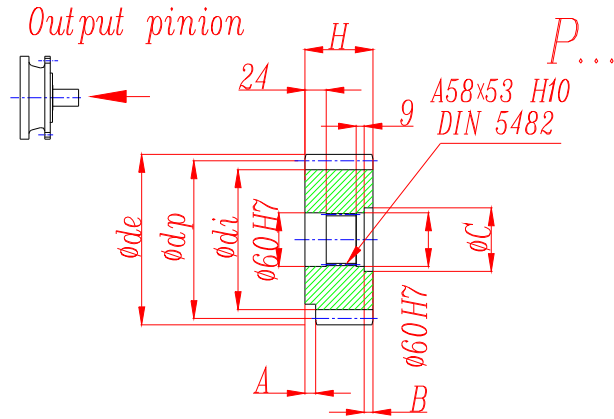
Max. transmissible

7000 N.m

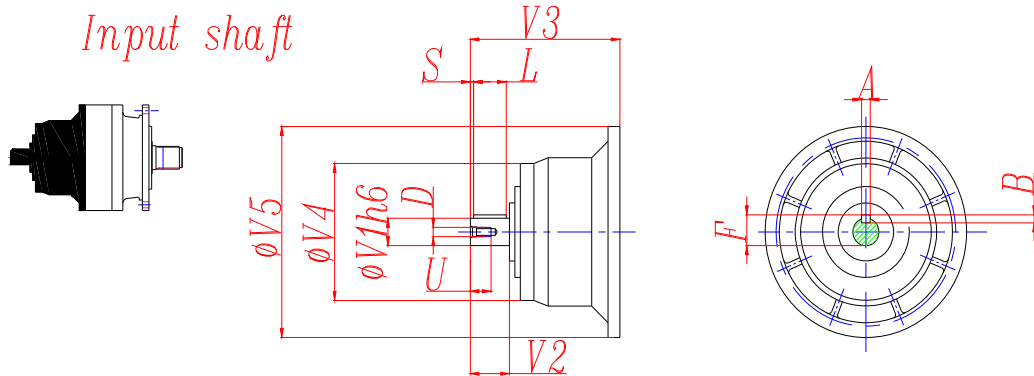
NB305L - NB305R



NB305L - NB305R



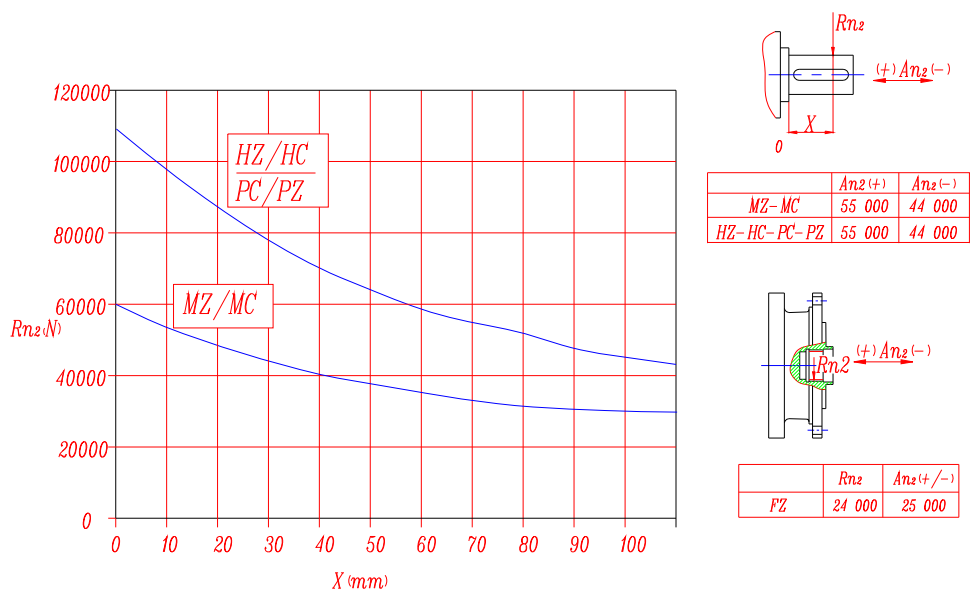
| | m | z | x | dp | di | de | H | A | B | C |
|------|----|----|--------|-----|------|-------|----|----|----|----|
| PCL1 | 5 | 19 | 0 | 95 | 82 | 104 | 77 | 12 | 9 | 72 |
| PCL2 | 5 | 19 | 0 | 95 | 82 | 104 | 68 | 0 | 0 | 0 |
| PCM | 5 | 20 | 0 | 100 | 87.5 | 110 | 68 | 18 | 0 | 0 |
| PCP | 5 | 22 | 0 | 110 | 97.5 | 120 | 68 | 18 | 0 | 0 |
| PDE | 6 | 14 | 0.5000 | 84 | 75 | 99.6 | 68 | 0 | 0 | 0 |
| PDI | 6 | 18 | 0.5000 | 108 | 99 | 123.6 | 68 | 0 | 0 | 0 |
| PDM | 6 | 20 | 0.833 | 120 | 115 | 140 | 68 | 0 | 0 | 0 |
| PFD | 8 | 13 | 0.675 | 104 | 95 | 127.6 | 68 | 0 | 0 | 0 |
| PFE1 | 8 | 14 | 0 | 112 | 92 | 126 | 68 | 0 | 0 | 0 |
| PFE2 | 8 | 14 | 0 | 112 | 92 | 126 | 80 | 0 | 12 | 72 |
| PFE | 8 | 15 | 0 | 120 | 100 | 136 | 68 | 0 | 0 | 0 |
| PFP | 8 | 22 | 0 | 176 | 156 | 190 | 77 | 12 | 10 | 71 |
| PHG | 10 | 16 | 0.5000 | 160 | 145 | 188 | 75 | 0 | 7 | 72 |



| | CODE | V1 | V2 | V3 | V4 | V5 | A | B | F | L | S | D | U |
|-------------|------|----|----|-----|-----|-----|----|---|------|----|---|-----|----|
| 305L1 | V05B | 48 | 82 | 239 | 155 | 245 | 14 | 9 | 51.5 | 70 | 6 | M16 | 36 |
| 305L2 | V01A | 24 | 36 | 136 | 130 | 186 | 8 | 7 | 27 | 30 | 3 | M8 | 19 |
| | V01B | 38 | 58 | 158 | 130 | 186 | 10 | 8 | 41 | 50 | 4 | M12 | 28 |
| 305L3 | V01A | 24 | 36 | 136 | 130 | 186 | 8 | 7 | 27 | 30 | 3 | M8 | 19 |
| | V01B | 38 | 58 | 158 | 130 | 186 | 10 | 8 | 41 | 50 | 4 | M12 | 28 |
| 305L4 | V01A | 24 | 36 | 136 | 130 | 186 | 8 | 7 | 27 | 30 | 3 | M8 | 19 |
| | V01B | 38 | 58 | 158 | 130 | 186 | 10 | 8 | 41 | 50 | 4 | M12 | 28 |
| 305R2-R3-R4 | V01A | 24 | 36 | 136 | 130 | 186 | 8 | 7 | 27 | 30 | 3 | M8 | 19 |
| | V01B | 38 | 58 | 158 | 130 | 186 | 10 | 8 | 41 | 50 | 4 | M12 | 28 |

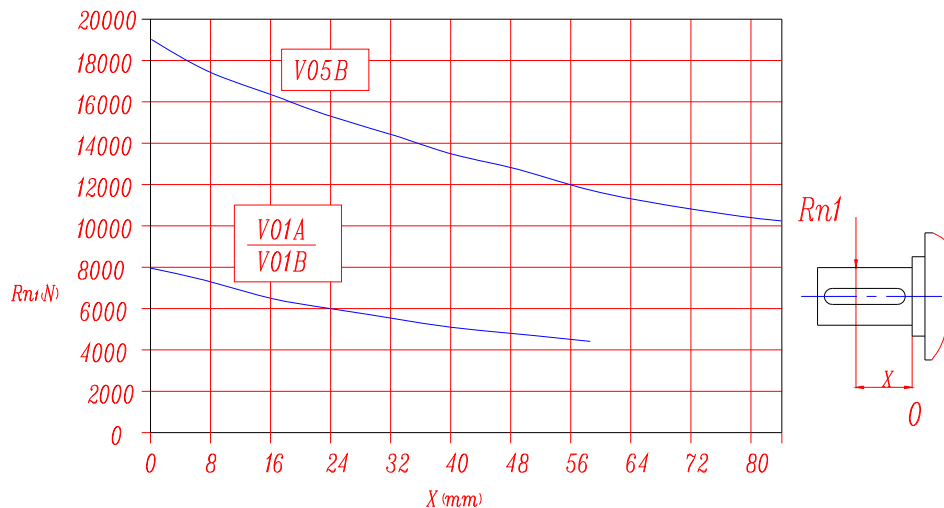
NB305L - NB305R

Permissible radial and axial loads on output shaft with Fh2 ($n_2 \cdot h=10\ 000$)



| Load corrective factor fh2 on shafts | $fh_2 = n_2 \cdot h$ | | 10 000 | 25 000 | 50 000 | 100 000 | 500 000 | 1 000 000 |
|--------------------------------------|----------------------|-------------|--------|--------|--------|---------|---------|-----------|
| | fh2 | MZ-MC-FZ | 1 | 0.74 | 0.58 | 0.46 | 0.27 | 0.21 |
| | | HZ-HC-PC-PZ | 1 | 0.76 | 0.61 | 0.50 | 0.31 | 0.25 |

Permissible radial loads on input shaft with Fh1 ($n_1 \cdot h=250\ 000$)



| Load corrective factor fh1 on shafts | $Fh_1 = n_1 \cdot h$ | | 250 000 | 500 000 | 1 000 000 | 2 00 000 | 5 000 000 | 10 000 000 |
|--------------------------------------|----------------------|--|---------|---------|-----------|----------|-----------|------------|
| | fh1 | | 1 | 0.79 | 0.63 | 0.50 | 0.37 | 0.29 |