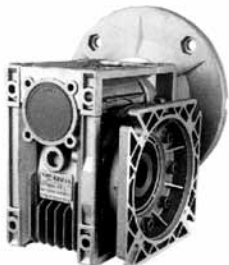
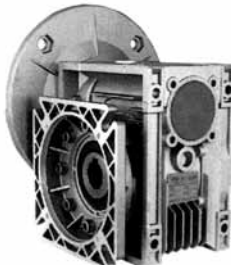
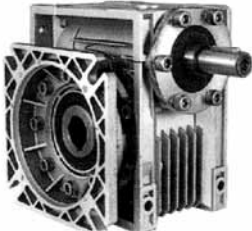
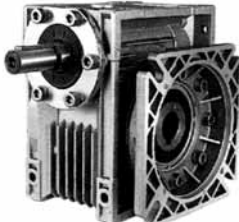


RV系列蜗轮-蜗杆减速机



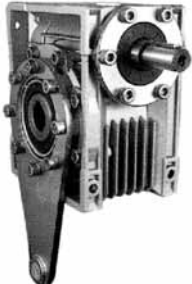
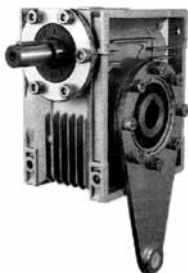
RV series worm-gear speed reducer

结构配置

输出法兰 (F)

| | |
|--|--|
| <p>图1 RV-F1</p>  | <p>图2 RV-F2</p>  |
| <p>图3 RZ-F1</p>  | <p>图4 RZ-F2</p>  |

扭力臂(A)

| | |
|---|---|
| <p>图5 RV-A1</p>  | <p>图6 RV-A2</p>  |
| <p>图7 RZ-A1</p>  | <p>图8 RZ-A2</p>  |

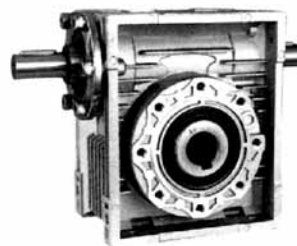


蜗杆尾出轴 (E)

图9
RV-E



图10
RE-E



蜗轮输出轴 (DZ/SZ)

图11

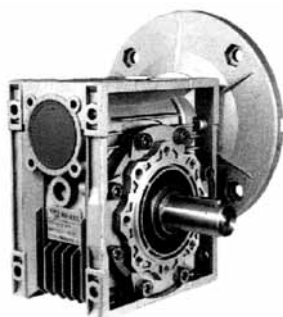


图14

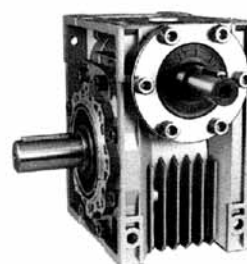


图12

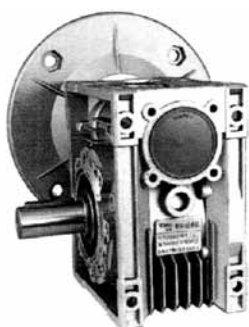


图15

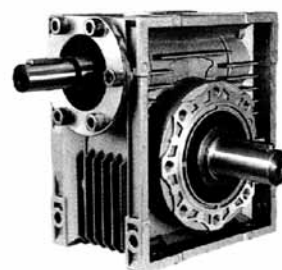


图13

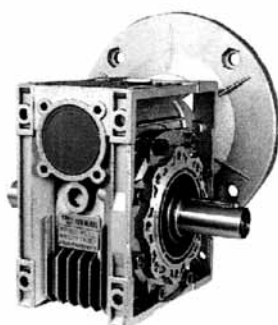
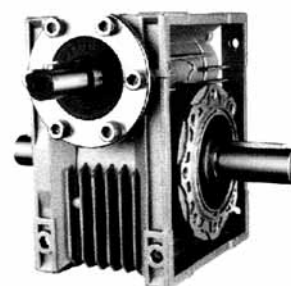


图16





1. RV系列铝壳蜗轮减速机性能特点

- 1.1 RV30、RV40、RV50、RV63、RV75、RV90全部采用铝合金压铸外壳，外形美观、结构紧凑、体积小、安装方位随意。
- 1.2 传动平稳、安静无噪声、维护容易。
- 1.3 蜗轮输出轴是空心轴式，也可配实心轴，或客户按需自配，蜗杆也可直接输出(即同向输出)。
- 1.4 输入方式：配输入轴、直联电机或输入法兰。

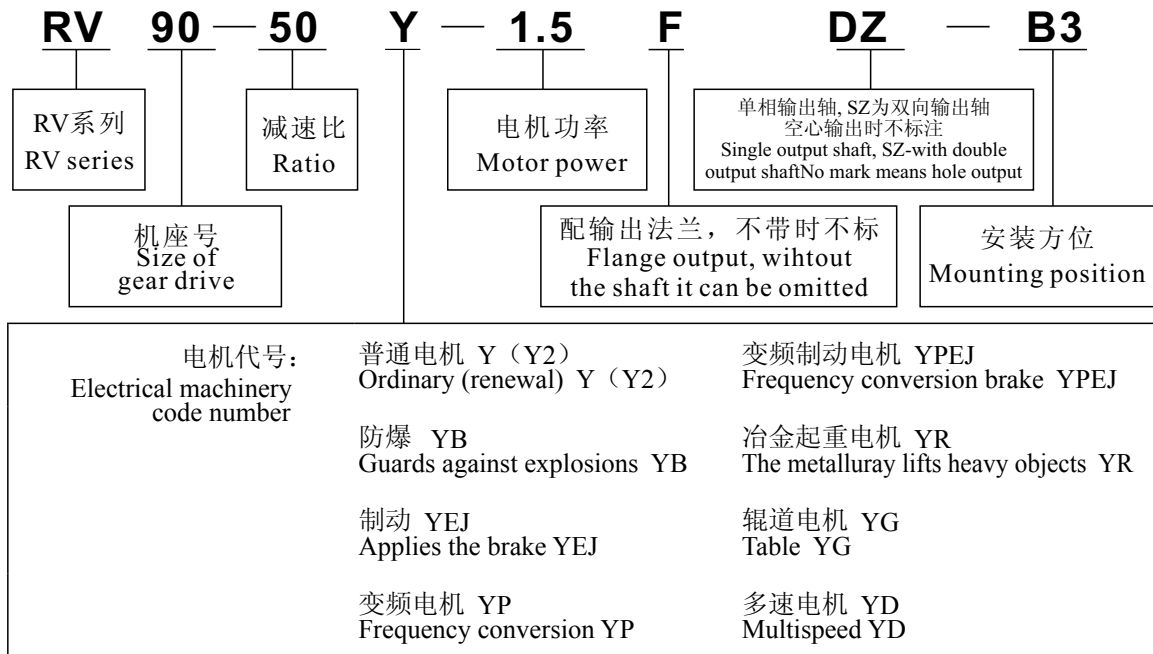
1. RV series Aluminium box worm reducer performance

- 1.1 RV30、RV40、RV50、RV63、RV75、RV90 are Aluminium alloy die-cast box, appearance attractive, structure compact, volume small, mounting position arbitrariness.
- 1.2 Transmission stability, noiselessness and maintenance easiness.
- 1.3 The worm reducer may be equipped with hollow shaft, solid shaft of by client themself depending on their requirement and worm also may output direct.
- 1.4 Input mode: Input shaft, direct-motor and input flange.

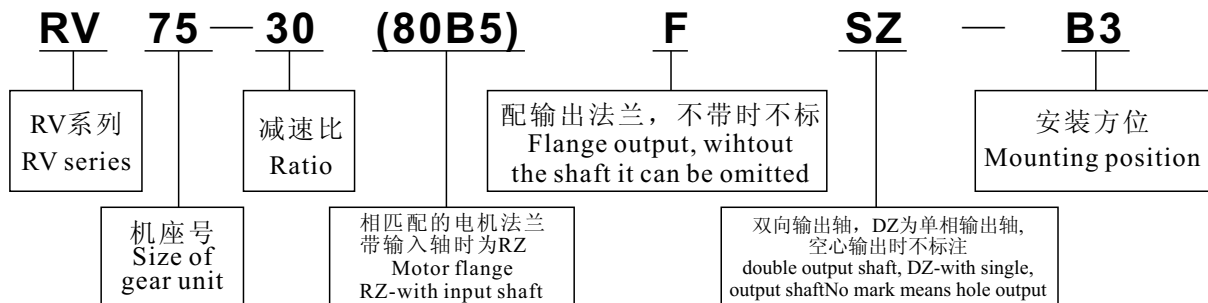
2. RV系列型号规格表示方法举例：

2. RV series model expressing example:

2.1



2.2





3、选型参数表 (n1=1400r/min)

3. Type selection parameter table

| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|--------|------|-----|------------------------|----------------------|
| 0.06KW | RV30 | 5 | 280 | 1.8 |
| | RV30 | 7.5 | 186 | 2.6 |
| | RV30 | 10 | 140 | 3.4 |
| | RV30 | 15 | 94 | 4.8 |
| | RV30 | 20 | 70 | 5.5 |
| | RV30 | 25 | 56 | 7.2 |
| | RV30 | 30 | 47 | 8.2 |
| | RV30 | 40 | 35 | 8.5 |
| | RV30 | 50 | 28 | 11.6 |
| | RV40 | | | 12.4 |
| | RV30 | 60 | 24 | 12.8 |
| | RV40 | | | 12.6 |
| | RV30 | 80 | 18 | 13.8 |
| | RV40 | | | 16.8 |
| RV40 | 100 | 14 | 19.5 | |
| 0.09KW | RV30 | 5 | 280 | 2.7 |
| | RV30 | 7.5 | 186 | 4.0 |
| | RV30 | 10 | 140 | 5.1 |
| | RV30 | 15 | 94 | 7.2 |
| | RV30 | 20 | 70 | 8.3 |
| | RV30 | 25 | 56 | 10.7 |
| | RV30 | 30 | 47 | 12.3 |
| | RV30 | 40 | 35 | 12.8 |
| | RV30 | 50 | 28 | 17.4 |
| | RV40 | | | 18.6 |
| | RV30 | 60 | 24 | 19.2 |
| | RV40 | | | 19.0 |
| | RV40 | 80 | 18 | 25.2 |
| | RV40 | 100 | 14 | 29.3 |
| 0.12KW | RV30 | 5 | 280 | 3.6 |
| | RV40 | | | 3.5 |
| | RV30 | 7.5 | 186 | 5.3 |
| | RV40 | | | 5.3 |
| | RV30 | 100 | 140 | 6.8 |
| | RV40 | | | 8.9 |
| | RV30 | 15 | 94 | 9.6 |
| | RV40 | | | 9.9 |
| | RV30 | 20 | 70 | 11.0 |
| | RV40 | | | 13.0 |
| | RV30 | 25 | 56 | 14.3 |
| | RV40 | | | 15.1 |
| | RV30 | 30 | 47 | 16.4 |

| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|--------|--------|------|------------------------|----------------------|
| 0.12KW | RV40 | 40 | 35 | 16.6 |
| | RV30 | | | 17.0 |
| | RV40 | | | 21.9 |
| | RV50 | | | 22.7 |
| | RV30 | 50 | 28 | 23.2 |
| | RV40 | | | 24.7 |
| | RV50 | | | 26.0 |
| | RV40 | 60 | 24 | 25.3 |
| | RV50 | | | 26.2 |
| | RV40 | 80 | 18 | 33.6 |
| | RV50 | | | 34.7 |
| | RV40 | 100 | 14 | 39.0 |
| | RV50 | | | 39.6 |
| | 0.18KW | RV30 | 5 | 280 |
| RV40 | | 5.4 | | |
| RV30 | | 7.5 | 186 | 7.9 |
| RV40 | | | | 7.9 |
| RV30 | | 10 | 140 | 10.2 |
| RV40 | | | | 10.3 |
| RV30 | | 15 | 94 | 14.4 |
| RV40 | | | | 14.8 |
| RV30 | | 20 | 70 | 16.5 |
| RV40 | | | | 19.5 |
| RV30 | | 25 | 56 | 21.5 |
| RV40 | | | | 22.7 |
| RV30 | | 30 | 47 | 24.6 |
| RV40 | | | | 24.9 |
| RV40 | 40 | 35 | 32.8 | |
| RV50 | | | 34.0 | |
| RV40 | 50 | 28 | 37.1 | |
| RV50 | | | 39.0 | |
| RV40 | 60 | 24 | 37.9 | |
| RV50 | | | 39.2 | |
| RV50 | 80 | 18 | 52.1 | |
| RV50 | 100 | 14 | 59.3 | |
| 0.25KW | RV40 | 5 | 280 | 7.6 |
| | RV50 | | | 7.6 |
| | RV40 | 7.5 | 186 | 11.0 |
| | RV50 | | | 11.2 |
| | RV40 | 10 | 140 | 14.3 |
| | RV50 | | | 14.5 |
| | RV40 | 15 | 94 | 20.6 |
| | RV50 | | | 20.7 |
| | RV40 | 20 | 70 | 27.0 |
| | RV50 | | | 27.5 |
| | RV40 | 25 | 56 | 31.5 |
| | RV50 | | | 32.8 |
| | RV40 | 30 | 47 | 34.6 |
| | RV50 | | | 36.4 |
| RV40 | 40 | 35 | 45.6 | |
| RV50 | | | 47.3 | |
| RV50 | 50 | 28 | 54.1 | |
| RV50 | 60 | 24 | 54.5 | |
| RV50 | 80 | 18 | 72.4 | |
| RV63 | | | 76.7 | |
| RV63 | 100 | 14 | 82.8 | |
| 0.37KW | RV40 | 5 | 280 | 11.2 |
| | RV50 | | | 11.2 |



| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|--------|------|-----|------------------------|----------------------|
| 0.37KW | RV40 | 7.5 | 180 | 16.3 |
| | RV50 | | | 16.6 |
| | RV40 | 10 | 140 | 21.2 |
| | RV50 | | | 21.5 |
| | RV40 | 15 | 94 | 30.5 |
| | RV50 | | | 30.6 |
| | RV40 | 20 | 70 | 40.0 |
| | RV50 | | | 40.7 |
| | RV40 | 25 | 56 | 46.6 |
| | RV50 | | | 48.7 |
| | RV40 | 30 | 47 | 51.2 |
| | RV50 | | | 53.8 |
| | RV50 | 40 | 35 | 67.0 |
| | RV63 | | | 72.3 |
| | RV50 | 50 | 28 | 80.1 |
| | RV63 | | | 83.3 |
| | RV50 | 60 | 24 | 80.6 |
| | RV63 | 60 | 24 | 86.5 |
| RV63 | 80 | 18 | 113.5 | |
| RV63 | 100 | 14 | 122.6 | |
| 0.55KW | RV40 | 5 | 280 | 16.6 |
| | RV50 | | | 16.7 |
| | RV40 | 7.5 | 186 | 24.3 |
| | RV50 | | | 24.6 |
| | RV40 | 10 | 140 | 31.5 |
| | RV50 | | | 32.0 |
| | RV40 | 15 | 94 | 45.3 |
| | RV50 | | | 45.5 |
| | RV63 | 20 | 70 | 46.7 |
| | RV50 | | | 60.5 |
| | RV63 | 25 | 56 | 61.6 |
| | RV50 | | | 72.3 |
| | RV63 | 30 | 47 | 73.2 |
| | RV50 | | | 80.0 |
| | RV63 | 40 | 35 | 83.3 |
| | RV50 | | | 104.0 |
| | RV63 | 50 | 28 | 107.5 |
| | RV75 | | | 115.7 |
| | RV50 | 60 | 24 | 123.9 |
| | RV40 | | | 144.3 |
| | RV63 | 80 | 18 | 128.6 |
| | RV75 | | | 156.5 |
| | RV75 | 80 | 18 | 215.78 |
| | RV75 | 100 | 14 | 235.0 |
| 0.75KW | RV50 | 5 | 280 | 22.7 |
| | RV50 | 7.5 | 186 | 33.6 |
| | RV63 | | | 33.8 |
| | RV50 | 10 | 140 | 43.6 |
| | RV63 | | | 44.5 |
| | RV50 | 15 | 94 | 62.0 |
| | RV63 | | | 63.7 |
| | RV50 | 20 | 70 | 82.4 |
| | RV63 | | | 84.0 |
| | RV63 | 25 | 56 | 99.8 |
| | RV63 | | | 113.6 |
| | RV75 | 30 | 47 | 124.4 |
| | RV63 | | | 146.6 |
| | RV75 | 40 | 35 | 157.8 |

| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|--------|-------|-----|------------------------|----------------------|
| 0.75KW | RV75 | 50 | 28 | 176 |
| | RV90 | | | 184 |
| | RV75 | 60 | 24 | 200 |
| | RV90 | | | 212 |
| | RV90 | 80 | 18 | 257 |
| | RV90 | 100 | 14 | 270 |
| 1.1KW | RV63 | 7.5 | 186 | 49 |
| | RV75 | | | 49 |
| | RV63 | 10 | 140 | 65 |
| | RV75 | | | 66 |
| | RV63 | 15 | 94 | 93 |
| | RV75 | | | 95 |
| | RV63 | 20 | 70 | 121 |
| | RV75 | | | 122 |
| | RV63 | 25 | 56 | 150 |
| | RV75 | | | |
| | RV63 | 30 | 47 | 170 |
| | RV75 | | | |
| | RV75 | 40 | 35 | 216 |
| | RV90 | 40 | 35 | 225 |
| | RV90 | 50 | 28 | 271 |
| | RV90 | 60 | 24 | 311 |
| | RV110 | | | 324 |
| | RV110 | 80 | 18 | 410 |
| RV110 | 100 | 14 | 460 | |
| 1.5KW | RV63 | 7.5 | 186 | 62 |
| | RV75 | | | 67 |
| | RV63 | 10 | 140 | 83 |
| | RV75 | | | 90 |
| | RV63 | 15 | 94 | 110 |
| | RV75 | | | 130 |
| | RV63 | 20 | 70 | 159 |
| | RV75 | | | 167 |
| | RV75 | 25 | 56 | 200 |
| | RV90 | | | 209 |
| | RV75 | 30 | 47 | 230 |
| | RV90 | | | 236 |
| | RV90 | 40 | 35 | 306 |
| | RV90 | 50 | 28 | 369 |
| | RV110 | | | 375 |
| | RV90 | 60 | 24 | 435 |
| | RV110 | | | 442 |
| | RV110 | 80 | 18 | 490 |
| RV130 | 547 | | | |
| RV130 | 100 | 14 | 652 | |
| 2.2KW | RV75 | 7.5 | 186 | 101 |
| | RV90 | | | 101 |
| | RV110 | | | 105 |
| | RV75 | 10 | 140 | 133 |
| | RV90 | | | 134 |
| | RV110 | | | 135 |
| | RV75 | 15 | 94 | 192 |
| | RV90 | | | 193 |
| | RV110 | | | 195 |
| | RV90 | 20 | 70 | 251 |
| | RV110 | | | 256 |
| | RV90 | 25 | 56 | 307 |
| RV110 | 316 | | | |



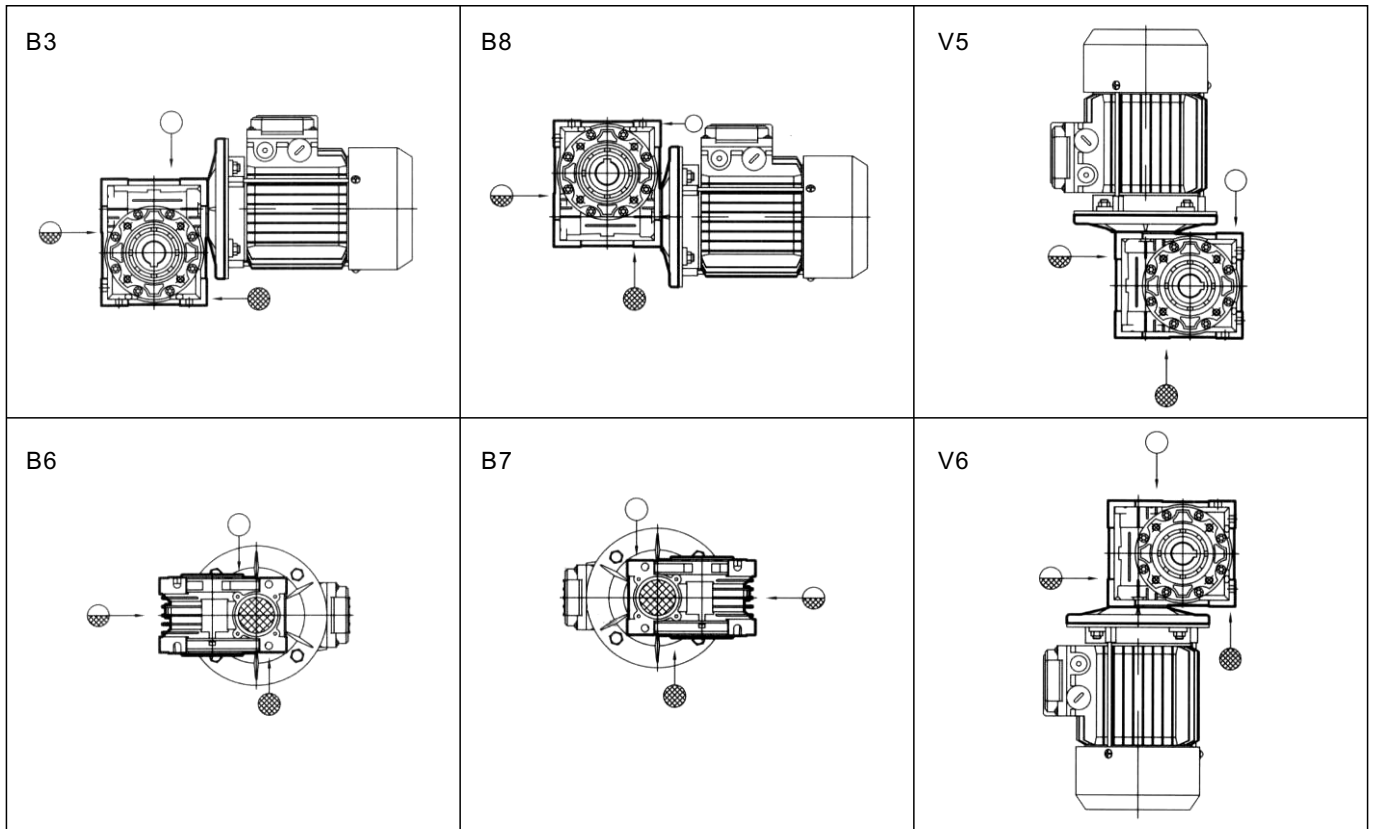
| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|-------|-------|-------|------------------------|----------------------|
| 2.2KW | RV90 | 30 | 47 | 362.4 |
| | RV110 | | | 354.5 |
| | RV110 | 40 | 35 | 465.8 |
| | RV110 | | | 576.2 |
| | RV130 | 50 | 28 | 568.7 |
| | RV150 | | | 583.7 |
| | RV110 | 60 | 24 | 638.1 |
| | RV130 | | | 655.6 |
| | RV150 | | | 664.5 |
| | RV130 | 80 | 18 | 783.1 |
| | RV150 | | | 841.5 |
| | RV130 | 100 | 14 | 985.9 |
| | RV150 | | | 957.4 |
| | 3.0KW | RV75 | 7.5 | 186 |
| RV90 | | 139.0 | | |
| RV110 | | 138.8 | | |
| RV75 | | 10 | 140 | 185.0 |
| RV90 | | | | 183.8 |
| RV110 | | | | 182.3 |
| RV75 | | 15 | 94 | 269.0 |
| RV90 | | | | 268.2 |
| RV110 | | | | 262.7 |
| RV90 | | 20 | 70 | 347.7 |
| RV110 | | | | 347.0 |
| RV90 | | 25 | 56 | 422.0 |
| RV110 | | | | 435.3 |
| RV90 | | 30 | 47 | 494.1 |
| RV110 | | | | 483.3 |
| RV110 | | 48 | 35 | 635.1 |
| RV130 | | | | 637.6 |
| RV150 | | 50 | 28 | 635.1 |
| RV110 | | | | 785.8 |
| RV130 | | 50 | 28 | 775.5 |
| RV150 | | | | 796.0 |
| RV130 | | 60 | 24 | 894.0 |
| RV150 | 906.1 | | | |
| RV150 | 80 | 18 | 1147.5 | |
| RV150 | | | 1305.5 | |
| 4.0KW | RV75 | 7.5 | 186 | 186.8 |
| | RV90 | | | 185.3 |
| | RV110 | | | 185.0 |
| | RV130 | | | 187.1 |
| | RV90 | 10 | 140 | 245.1 |
| | RV110 | | | 243.1 |
| | RV130 | | | 243.1 |
| | RV90 | 15 | 94 | 357.7 |
| | RV110 | | | 350.3 |
| | RV130 | | | 354.3 |
| | RV90 | | | 463.5 |
| | RV110 | 20 | 70 | 462.7 |
| | RV130 | | | 469.3 |

| KW | TYPE | i | n ₂ (r/min) | M ₂ (N.M) |
|--------|--------|-------|------------------------|----------------------|
| 4.0KW | RV110 | 25 | 56 | 580.4 |
| | RV130 | | | 576.4 |
| | RV150 | | | 580.4 |
| | RV110 | 30 | 47 | 644.5 |
| | RV130 | | | 652.6 |
| | RV150 | | | 681.0 |
| | RV130 | 40 | 35 | 850.1 |
| | RV150 | | | 846.9 |
| | RV130 | 50 | 28 | 1.34.0 |
| | RV150 | | | 1061.3 |
| | RV130 | 60 | 24 | 1192.0 |
| | RV150 | | | 1208.1 |
| | RV150 | 80 | 18 | 1530.0 |
| | 5.5KW | RV110 | 7.5 | 186 |
| RV130 | | 257.2 | | |
| RV110 | | 10 | 140 | 334.3 |
| RV130 | | | | 334.3 |
| RV110 | | 15 | 94 | 481.6 |
| RV130 | | | | 487.2 |
| RV110 | | 20 | 70 | 636.2 |
| RV130 | | | | 645.2 |
| RV150 | | | | 643.7 |
| RV130 | | 25 | 56 | 792.5 |
| RV150 | | | | 798.1 |
| RV130 | | 30 | 47 | 897.3 |
| RV150 | | | | 936.4 |
| RV130 | | 40 | 35 | 1168.9 |
| RV150 | 1163.4 | | | |
| RV150 | 56 | 28 | 1459.3 | |
| RV150 | 60 | 23 | 1661.7 | |
| 7.5KW | RV110 | 7.5 | 186 | 346.9 |
| | RV130 | | | 350.8 |
| | RV110 | 10 | 140 | 455.8 |
| | RV130 | | | 455.8 |
| | RV130 | 15 | 94 | 664.8 |
| | RV130 | | | 879.9 |
| | RV150 | 20 | 70 | 870.7 |
| | RV130 | | | 1080.7 |
| | RV150 | 25 | 56 | 1064.0 |
| | RV150 | | | 1190.9 |
| | RV150 | 40 | 35 | 1592.0 |
| | 11.0KW | RV150 | 7.5 | 187 |
| RV150 | | 10 | 140 | 676.0 |
| RV150 | | 15 | 94 | 991.5 |
| RV150 | | 20 | 70 | 1287.5 |
| RV150 | | 25 | 56 | 1596.2 |
| 15.0KW | RV150 | 7.5 | 187 | 699.0 |
| | RV150 | 10 | 140 | 921.8 |
| | RV150 | 15 | 94 | 1352.0 |
| | RV150 | 20 | 70 | 1755.7 |



4、安装方位图

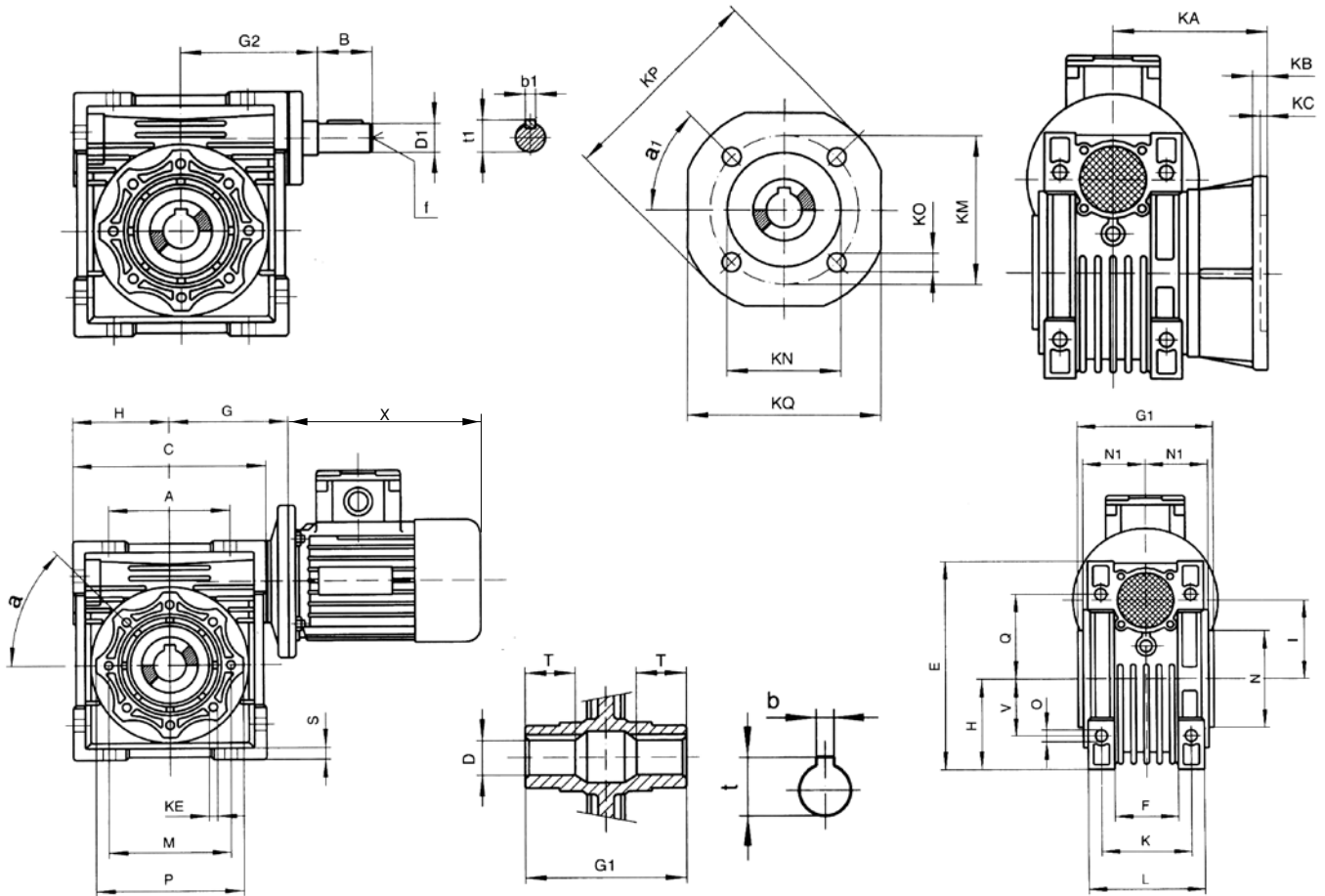
4. Mounting Position





5、尺寸图表

5. Dimension Sheets

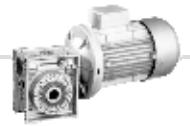


| 型号 | A | B | C | D(h8) | D1(j6) | E | F | G | G1 | G2 | H | I | L | M | N(h8) | N1 | O | P | Q | S |
|--------|-----|----|-------|-------|--------|-------|----|-------|-----|-----|-------|-----|-----|-----|-------|------|-----|-----|-----|-----|
| RV 30 | 54 | 20 | 80 | 14 | 9 | 97 | 32 | 55 | 63 | 51 | 40 | 30 | 56 | 65 | 55 | 29 | 6.5 | 75 | 44 | 5.5 |
| RV 40 | 70 | 23 | 100 | 18 | 11 | 121.5 | 43 | 70 | 78 | 60 | 50 | 40 | 71 | 75 | 60 | 36.5 | 6.5 | 87 | 55 | 6.5 |
| RV 50 | 80 | 30 | 120 | 25 | 14 | 144 | 49 | 80 | 92 | 74 | 60 | 50 | 85 | 85 | 70 | 43.5 | 8.5 | 100 | 64 | 7 |
| RV 63 | 100 | 40 | 144 | 25 | 19 | 174 | 67 | 95 | 112 | 90 | 72 | 63 | 103 | 95 | 80 | 53 | 8.5 | 110 | 80 | 8 |
| RV 75 | 120 | 50 | 172 | 28 | 24 | 205 | 72 | 112.5 | 120 | 105 | 86 | 75 | 112 | 115 | 95 | 57 | 11 | 140 | 93 | 10 |
| RV 90 | 140 | 50 | 206 | 35 | 24 | 238 | 74 | 129.5 | 140 | 125 | 103 | 90 | 130 | 130 | 110 | 67 | 13 | 160 | 102 | 11 |
| RV 110 | 170 | 60 | 252.5 | 42 | 28 | 295 | - | 160 | 155 | 142 | 127.5 | 110 | 144 | 165 | 130 | 74 | 14 | 200 | 125 | 14 |
| RV 130 | 200 | 80 | 292.5 | 45 | 30 | 335 | - | 180 | 170 | 162 | 147.5 | 130 | 155 | 215 | 180 | 81 | 16 | 250 | 140 | 15 |
| RV 150 | 240 | 80 | 340 | 50 | 35 | 400 | - | 210 | 200 | 195 | 170 | 150 | 185 | 215 | 180 | 96 | 18 | 250 | 180 | 18 |

| 型号 | T | V | K | KE | a | KA | KB | KC | a1 | KM | KN(h8) | KO | KP | KQ | b | b1 | f | t | t1 | kg |
|--------|------|-----|-----|-------------|-----|------|----|----|-------|-----|--------|----------|-----|-----|----|----|-----|------|------|------|
| RV 30 | 21 | 27 | 44 | M6×11(n=4) | 0 | 54.5 | 6 | 4 | 45° | 68 | 50 | 6.5(n=4) | 80 | 70 | 5 | 3 | - | 16.3 | 10.2 | 1.2 |
| RV 40 | 26 | 35 | 60 | M6×8(n=4) | 45° | 67 | 7 | 4 | 45° | 87 | 60 | 9(n=4) | 110 | 95 | 6 | 4 | - | 20.8 | 12.5 | 2.3 |
| RV 50 | 30 | 40 | 70 | M8×10(n=4) | 45° | 90 | 9 | 5 | 45° | 90 | 70 | 11(n=4) | 125 | 110 | 8 | 5 | M6 | 28.3 | 16 | 3.8 |
| RV 63 | 36 | 50 | 85 | M8×14(n=8) | 45° | 82 | 10 | 6 | 45° | 150 | 115 | 11(n=4) | 180 | 142 | 8 | 6 | M6 | 28.3 | 21.5 | 6.2 |
| RV 75 | 40 | 60 | 90 | M8×14(n=8) | 45° | 111 | 13 | 6 | 45° | 165 | 130 | 14(n=4) | 200 | 170 | 8 | 8 | M8 | 31.3 | 27 | 9 |
| RV 90 | 45 | 70 | 100 | M10×18(n=8) | 45° | 111 | 13 | 6 | 45° | 175 | 152 | 14(n=4) | 210 | 200 | 10 | 8 | M8 | 38.3 | 27 | 13 |
| RV 110 | 50 | 85 | 115 | M10×18(n=8) | 45° | 131 | 15 | 6 | 45° | 230 | 170 | 14(n=8) | 280 | 260 | 12 | 8 | M10 | 45.3 | 31 | 42.5 |
| RV 130 | 60 | 100 | 120 | M12×21(n=8) | 45° | 140 | 15 | 6 | 22.5° | 255 | 180 | 16(n=8) | 320 | 290 | 14 | 8 | M10 | 48.8 | 33 | 59 |
| RV 150 | 72.5 | 120 | 145 | M12×21(n=8) | 45° | 155 | 15 | 6 | 22.5° | 255 | 180 | 16(n=8) | 320 | 290 | 14 | 10 | M12 | 53.8 | 38 | 87 |

注：X尺寸参照第300页。Kg重量不含电机重量。

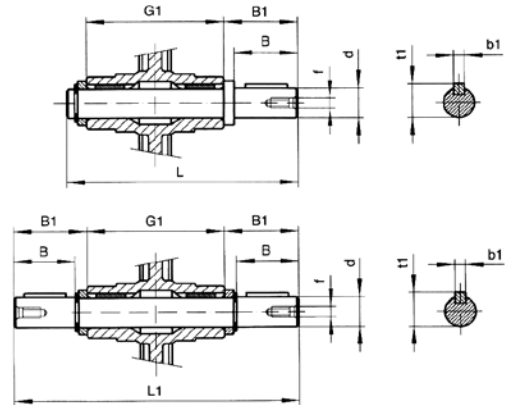
Note: For X details, see page 300. The weight don't contain motor.



6. 单向/双向输出轴尺寸

6. Single/double extension output shaft

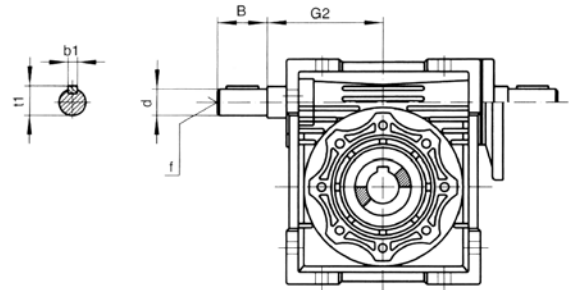
| | d | B | B1 | G1 | L | L1 | f | b1 | t1 |
|-----|-------|----|------|-----|-----|-----|-----|----|------|
| 30 | 14 g6 | 30 | 32.5 | 63 | 102 | 128 | M6 | 5 | 16 |
| 40 | 18 h6 | 40 | 43 | 78 | 128 | 164 | M6 | 6 | 20.5 |
| 50 | 25 h6 | 50 | 53.5 | 92 | 153 | 199 | M10 | 8 | 28 |
| 63 | 25 h6 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8 | 28 |
| 75 | 28 h6 | 60 | 63.5 | 120 | 192 | 247 | M10 | 8 | 31 |
| 90 | 35 h6 | 80 | 84.5 | 140 | 234 | 309 | M12 | 10 | 38 |
| 110 | 42 h6 | 80 | 84.5 | 155 | 249 | 324 | M16 | 12 | 45 |
| 130 | 45 h6 | 80 | 85 | 170 | 265 | 340 | M16 | 14 | 48.5 |



7. 同向输出轴尺寸

7. Size of double extension worm shaft

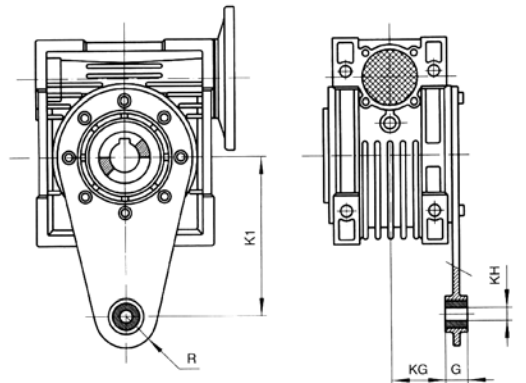
| | G2 | d(j6) | B | f | b1 | t1 |
|-----|-----|-------|----|-----|----|------|
| 30 | 45 | 9 | 20 | - | 3 | 10.2 |
| 40 | 53 | 11 | 23 | - | 4 | 12.5 |
| 50 | 64 | 14 | 30 | M6 | 5 | 16 |
| 63 | 75 | 19 | 40 | M6 | 6 | 21.5 |
| 75 | 90 | 24 | 50 | M8 | 8 | 27 |
| 90 | 108 | 24 | 50 | M8 | 8 | 27 |
| 110 | 135 | 28 | 60 | M10 | 8 | 31 |
| 130 | 155 | 30 | 80 | M10 | 8 | 33 |



8. 扭力臂尺寸

8. Size of torque arm

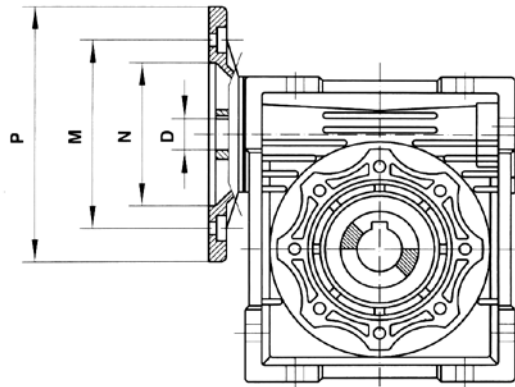
| | K1 | G | KG | KH | R |
|-----|-----|----|------|----|----|
| 25 | 70 | 14 | 17.5 | 8 | 15 |
| 30 | 85 | 14 | 24 | 8 | 15 |
| 40 | 100 | 14 | 31.5 | 10 | 18 |
| 50 | 100 | 14 | 38.5 | 10 | 18 |
| 63 | 150 | 14 | 49 | 10 | 18 |
| 75 | 200 | 25 | 47.5 | 20 | 30 |
| 90 | 200 | 25 | 57.5 | 20 | 30 |
| 110 | 250 | 30 | 62 | 25 | 35 |
| 130 | 250 | 30 | 69 | 25 | 35 |





9. 输入法兰、蜗杆轴芯尺寸

9. Sizes of input flange and hollow input shaft diameter



| | PAM IEC | N | M | P | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
|--------|------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|-----|
| | | | | | D | | | | | | | | | | |
| RV 30 | 63B5 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | - | - | - |
| | 63B14 | 60 | 75 | 90 | | | | | | | | | | | |
| | 56B5 | 80 | 100 | 120 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | - |
| | 56B14 | 50 | 65 | 80 | | | | | | | | | | | |
| RV 40 | 71B5 | 110 | 130 | 160 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | - | - | - | - |
| | 71B14 | 70 | 85 | 105 | | | | | | | | | | | |
| | 63B5 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 63B14 | 60 | 75 | 90 | | | | | | | | | | | |
| | 56B5 | 80 | 100 | 120 | - | - | - | - | - | - | - | - | 9 | 9 | 9 |
| | 80B5 | 130 | 165 | 200 | 19 | 19 | 19 | 19 | 19 | 19 | - | - | - | - | - |
| RV 50 | 80B14 | 80 | 100 | 120 | | | | | | | | | | | |
| | 71B5 | 110 | 130 | 160 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | - |
| | 71B14 | 70 | 85 | 105 | | | | | | | | | | | |
| | 63B5 | 95 | 115 | 140 | - | - | - | - | - | - | 11 | 11 | 11 | 11 | 11 |
| RV 63 | 90B5 | 130 | 165 | 200 | 24 | 24 | 24 | 24 | 24 | 24 | - | - | - | - | - |
| | 90B14 | 95 | 115 | 140 | | | | | | | | | | | |
| | 80B5 | 130 | 165 | 200 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | - | - |
| | 80B14 | 80 | 100 | 120 | | | | | | | | | | | |
| | 71B5 | 110 | 130 | 160 | - | - | - | - | - | - | 14 | 14 | 14 | 14 | 14 |
| | 71B14 | 70 | 85 | 105 | | | | | | | | | | | |
| RV 75 | 100/112B5 | 180 | 215 | 250 | 28 | 28 | 28 | - | - | - | - | - | - | - | - |
| | 100/112B14 | 110 | 130 | 160 | | | | | | | | | | | |
| | 90B5 | 130 | 165 | 200 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | - | - | - | - |
| | 90B14 | 95 | 115 | 140 | | | | | | | | | | | |
| | 80B5 | 130 | 165 | 200 | - | - | - | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | 80B14 | 80 | 100 | 120 | | | | | | | | | | | |
| RV 90 | 71B5 | 110 | 130 | 160 | - | - | - | - | - | - | 14 | 14 | 14 | 14 | 14 |
| | 100/112B5 | 180 | 215 | 250 | 28 | 28 | 28 | 28 | 28 | 28 | - | - | - | - | - |
| | 100/112B14 | 110 | 130 | 160 | | | | | | | | | | | |
| | 90B5 | 130 | 165 | 200 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | - | - |
| | 90B14 | 95 | 115 | 140 | | | | | | | | | | | |
| | 80B5 | 130 | 165 | 200 | - | - | - | - | - | - | 19 | 19 | 19 | 19 | 19 |
| RV 110 | 80B14 | 80 | 100 | 120 | | | | | | | | | | | |
| | 132B5 | 230 | 265 | 300 | 38 | 38 | 38 | 38 | - | - | - | - | - | - | - |
| | 100/112B5 | 180 | 215 | 250 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | - | - |
| | 90B5 | 130 | 165 | 200 | - | - | - | - | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| | 80B5 | 130 | 165 | 200 | - | - | - | - | - | - | - | - | - | 19 | 19 |
| RV 130 | 132B5 | 230 | 265 | 300 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | - | - | - | - |
| | 100/112B5 | 180 | 215 | 250 | - | - | - | - | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| | 90B5 | 130 | 165 | 200 | - | - | - | - | - | - | - | - | - | 24 | 24 |
| RV 150 | 100/112B5 | 180 | 215 | 250 | | | | | | | | 28 | 28 | 28 | 28 |
| | 132B5 | 230 | 265 | 300 | - | - | - | 38 | 38 | 38 | 38 | 38 | 38 | - | - |
| | 160B5 | 250 | 300 | 350 | 42 | 42 | 42 | 42 | 42 | - | - | - | - | - | - |

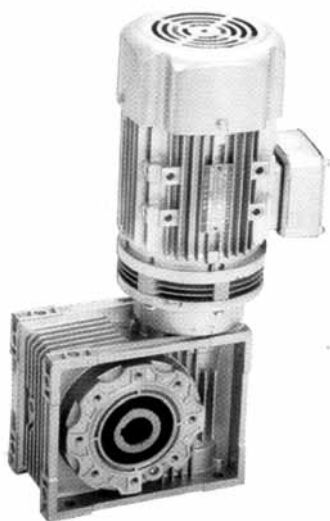


10. RV/WB蜗轮与微型摆线组合型

10. Combination RV/WB

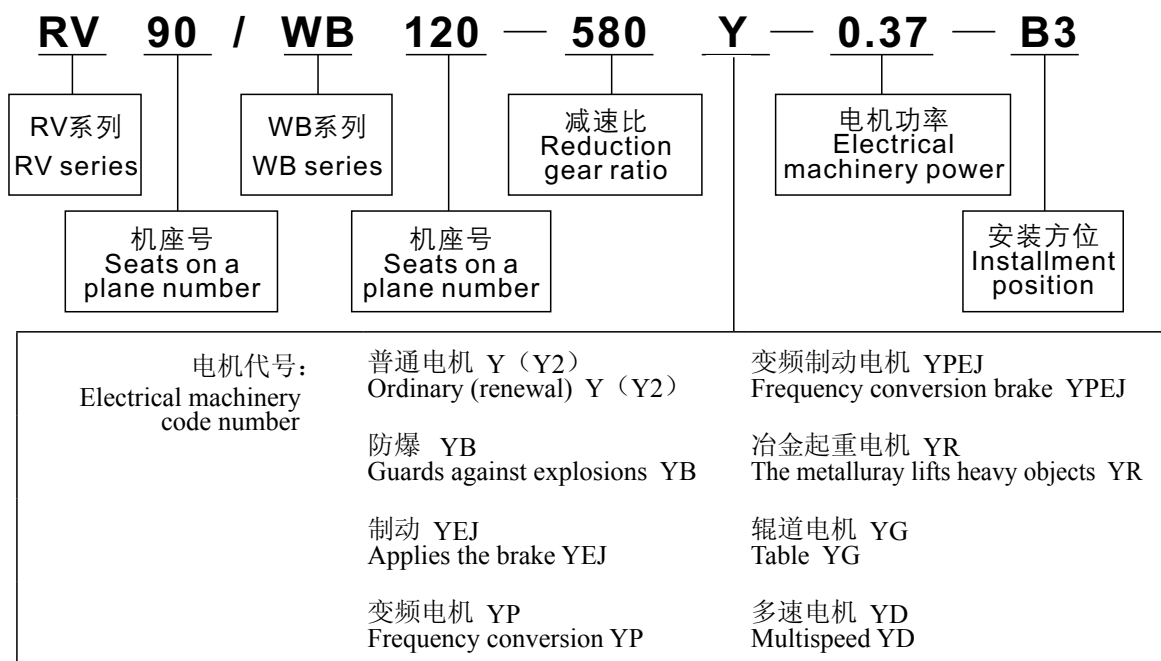
10.1 外形图

10.1 Contour



10.2 型号规格表示方法举例：

10.2 Model expressing example:





10.3 选型参数表

10.3 Type selection parameter table

| 型号 | 减速比 | 输出转速 r/min | 电动机功率 (w) | | | 输入转速 r/min 1500r/min | | | |
|-------------|-------------|---------------|-----------|------|-------|----------------------|------|------|------|
| | | | 60 | 90 | 120 | 180 | 250 | 550 | 750 |
| RV40-WB65 | 110(10×11) | 14 | 23 | 34 | 45 | | | | |
| | 170(10×17) | 9 | 35 | 52 | 70* | | | | |
| | 230(10×23) | 6.5 | 47 | 71* | 95* | | | | |
| | 290(10×29) | 5 | 60 | 90* | 120* | | | | |
| | 350(10×35) | 4 | 72* | 108* | | | | | |
| | 460(20×23) | 3.2 | 95* | | | | | | |
| | 580(20×29) | 2.6 | 119* | | | | | | |
| 700(20×35) | 2 | 145* | | | | | | | |
| RV50-WB85 | 110(10×11) | 14 | | 34 | 45 | 68 | 95 | | |
| | 170(10×17) | 9 | | 52 | 70 | 105 | 146* | | |
| | 230(10×23) | 6.5 | | 70 | 89.5 | 142* | 197* | | |
| | 290(10×29) | 5 | | 90 | 120* | 180* | | | |
| | 350(10×35) | 4 | | 108 | 144* | | | | |
| | 460(20×23) | 3.2 | | 142* | 190* | | | | |
| | 580(20×29) | 2.6 | | 130* | | | | | |
| 700(20×35) | 2 | | 217* | | | | | | |
| RV63-WB85 | 110(10×11) | 14 | | 34 | 45 | 68 | | | |
| | 170(10×17) | 9 | | 52 | 70 | 105 | 95 | 208 | 283 |
| | 230(10×23) | 6.5 | | 71 | 95 | 142 | 146 | 322 | 438* |
| | 290(10×29) | 5 | | 90 | 120 | 180 | 197 | 435* | 593* |
| | 350(10×35) | 4 | | 108 | 144 | 217 | 250* | 549* | |
| | 460(20×23) | 3.2 | | 142 | 190 | 285 | 300* | | |
| | 580(20×29) | 2.6 | | 180 | 240* | 359 | | | |
| | 700(20×35) | 2 | | 217 | 289* | | | | |
| | 1050(30×35) | 1.4 | | 325* | | | | | |
| | 1290(30×43) | 1 | | 399* | | | | | |
| | 1770(30×59) | 0.85 | | 548* | | | | | |
| 2950(50×59) | 0.5 | | 913* | | | | | | |
| RV75-WB100 | 110(10×11) | 14 | | | | 68 | 95 | | |
| | 170(10×17) | 9 | | | | 105 | 146 | | |
| | 230(10×23) | 6.5 | | | | 142 | 197 | | |
| | 290(10×29) | 5 | | | | 180 | 250 | | |
| | 350(10×35) | 4 | | | | 217 | 300 | | |
| | 460(20×23) | 3.2 | | | | 285 | 382* | | |
| | 580(20×29) | 2.6 | | | | 359 | 448* | | |
| | 700(20×35) | 2 | | | | 433* | 601* | | |
| | 1050(30×35) | 1.4 | | | | 650* | | | |
| | 1290(30×43) | 1 | | | | 798* | | | |
| | 1770(30×59) | 0.85 | | | | 1096* | | | |
| 2950(50×59) | 0.5 | | | | 1826* | | | | |

注:*标记为输出扭矩已超过减速机所能承受的最大许用扭矩，不能满负荷运转。

Note: If has been marked as output twisting force has exceeded maximum allowable twisting force that reduction device can bean, shouldn't ull burden operate.



| 型号 Type | 减速比 Ratio | 输出转速 r/min | 电动机功率 Input power(w) 输入转速 Input speed r/min 1500r/min | | | | | | |
|-------------|--------------|---------------|---|--|-------|-------|-------|-------|-------|
| | | | | | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 |
| RV90-WB120 | 110(10×11) | 14 | | | 140 | 208 | 283 | 416 | 568 |
| | 170(10×17) | 9 | | | 216 | 322 | 438 | 634* | 877* |
| | 230(10×23) | 6.5 | | | 293 | 435 | 593 | 870* | 1186* |
| | 290(10×29) | 5 | | | 369 | 549 | 748* | 1097* | |
| | 350(10×35) | 4 | | | 445 | 662* | 903* | | |
| | 460(20×23) | 3.2 | | | 585 | 870* | 1186* | | |
| | 580(20×29) | 2.6 | | | 738* | 1097* | | | |
| | 700(20×35) | 2 | | | 890* | | | | |
| | 1050(30×35) | 14 | | | 1336* | | | | |
| | 1290(30×43) | 1 | | | 1462* | | | | |
| | 1770(30×59) | 0.85 | | | | | | | |
| | 2950(50×59) | 0.5 | | | | | | | |
| RV110-WB120 | 110(10×11) | 14 | | | 140 | 208 | 283 | 416 | 568 |
| | 170(10×17) | 9 | | | 216 | 322 | 438 | 643 | 877 |
| | 230(10×23) | 6.5 | | | 293 | 435 | 593 | 870 | 1186* |
| | 290(10×29) | 5 | | | 369 | 549 | 748 | 1097* | 1496* |
| | 350(10×35) | 4 | | | 445 | 662 | 903 | 1324* | |
| | 460(20×23) | 3.2 | | | 585 | 870 | 1186* | 1740* | |
| | 580(20×29) | 2.6 | | | 738 | 1097* | 1496* | | |
| | 700(20×35) | 2 | | | 890 | 1324* | | | |
| | 1050(30×35) | 14 | | | 1336* | | | | |
| | 1290(30×43) | 1 | | | 1642* | | | | |
| | 1770(30×59) | 0.85 | | | | | | | |
| | 2950(50×59) | 0.5 | | | | | | | |
| RV130-WB150 | 110(10×11) | 14 | | | 140 | 208 | 283 | 416 | 568 |
| | 170(10×17) | 9 | | | 216 | 322 | 438 | 643 | 887 |
| | 230(10×23) | 6.5 | | | 293 | 435 | 593 | 870 | 1186 |
| | 290(10×29) | 5 | | | 369 | 549 | 748 | 1098 | 1496 |
| | 350(10×35) | 4 | | | 445 | 662 | 903 | 1324 | 1806* |
| | 460(20×23) | 3.2 | | | 585 | 870 | 1186 | 1740* | 2373* |
| | 580(20×29) | 2.6 | | | 738 | 1097* | 1496 | 2195* | 2992* |
| | 700(20×35) | 2 | | | 890 | 1324 | 1806* | 2648* | |
| | 1050(30×35) | 1.4 | | | 1336 | 1986* | 2709* | | |
| | 1290(30×43) | 1 | | | 1642* | 2440* | 3328* | | |
| | 1770(30×59) | 0.85 | | | 2252* | | | | |
| | 2950(50×59) | 0.5 | | | 3755* | | | | |

注:*标记为输出扭矩已超过减速机所能承受的最大许用扭矩, 不能满负荷运转。

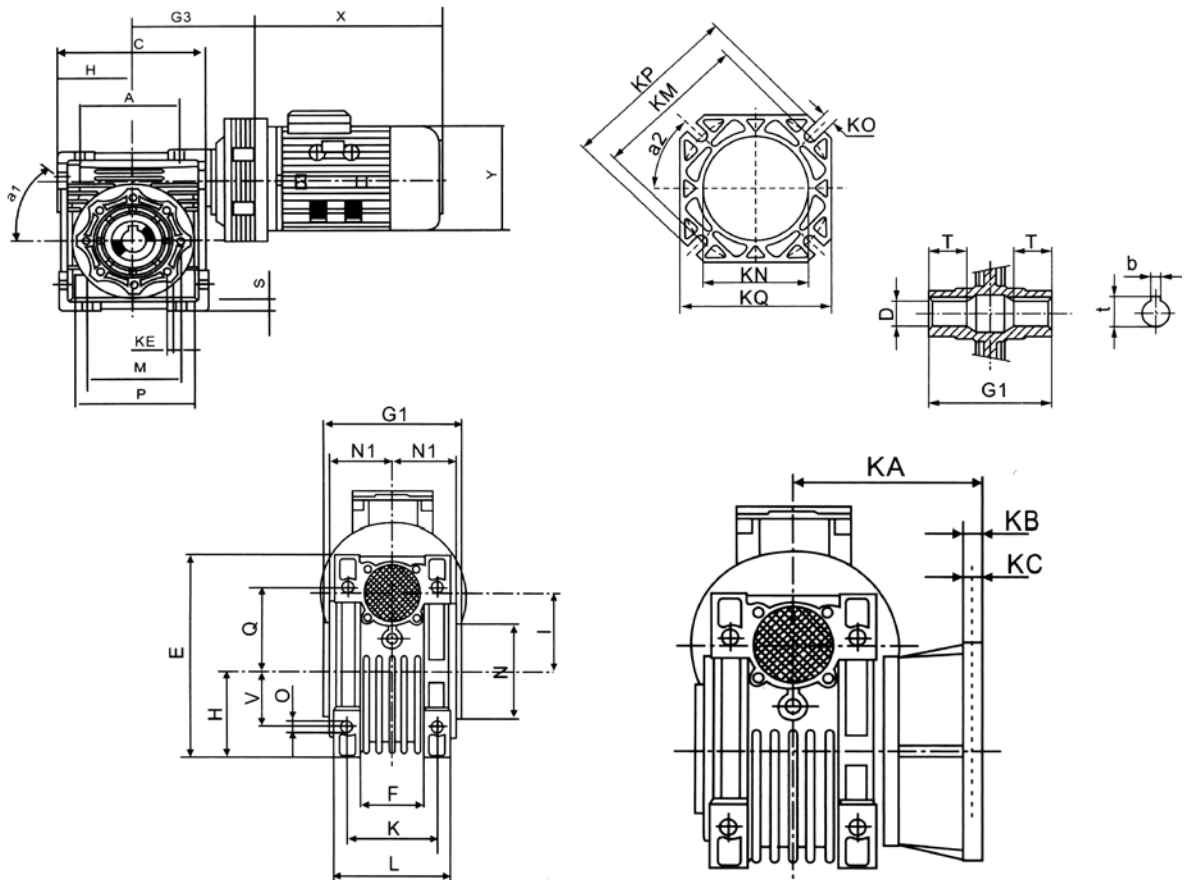
Note: If has been marked as output twsiting force has exceeded maximum allowable twisting force that redecion device can bean, shouldn't ull burden operate.



10.4 外形及安装图表

10.4 Contour and mounting dimension

RV-WB组合型



| | A | C | D | E | F | G1 | G3 | H | I | L | M | N | N1 | O | P | Q |
|-------------|-----|-------|----|-------|----|-----|-----|-------|-----|-----|-----|-----|------|-----|-----|-----|
| RV40-WB65 | 70 | 100 | 18 | 121.5 | 43 | 78 | 164 | 50 | 40 | 71 | 75 | 60 | 36.5 | 6.5 | 87 | 55 |
| RV50-WB85 | 80 | 120 | 25 | 144 | 49 | 92 | 179 | 60 | 50 | 85 | 85 | 70 | 43.5 | 8.5 | 100 | 64 |
| RV63-WB85 | 100 | 144 | 25 | 174 | 67 | 112 | 213 | 72 | 63 | 103 | 95 | 80 | 53 | 8.5 | 110 | 80 |
| RV75-WB100 | 120 | 172 | 28 | 205 | 72 | 120 | 255 | 86 | 75 | 112 | 115 | 95 | 57 | 11 | 140 | 93 |
| RV90-WB120 | 140 | 206 | 35 | 238 | 74 | 140 | 285 | 103 | 90 | 130 | 130 | 110 | 67 | 13 | 160 | 102 |
| RV110-WB120 | 170 | 252.5 | 42 | 295 | - | 155 | 325 | 127.5 | 110 | 144 | 165 | 130 | 74 | 14 | 200 | 125 |
| RV130-WB150 | 200 | 292.5 | 45 | 335 | - | 170 | | 147.5 | 130 | 155 | 215 | 180 | 81 | 16 | 250 | 140 |

| | S | T | V | K | KE | a2 | KA | KB | KC | a1 | KM | KN | KO | KP | KQ | b | t |
|-------------|-----|----|-----|-----|--------|------|-----|----|----|----|-----|-----|----|-----|-----|----|------|
| RV40-WB65 | 6.5 | 26 | 35 | 60 | M6×8 | 45 | 67 | 7 | 4 | 45 | 87 | 60 | 9 | 110 | 95 | 6 | 20.8 |
| RV50-WB85 | 7 | 30 | 40 | 70 | M8×10 | 45 | 90 | 9 | 5 | 45 | 90 | 70 | 11 | 125 | 110 | 8 | 28.3 |
| RV63-WB85 | 8 | 36 | 50 | 85 | M8×14 | 45 | 82 | 10 | 6 | 45 | 150 | 115 | 11 | 180 | 142 | 8 | 28.3 |
| RV75-WB100 | 10 | 40 | 60 | 90 | M8×14 | 45 | 111 | 13 | 6 | 45 | 165 | 130 | 14 | 200 | 170 | 8 | 31.3 |
| RV90-WB120 | 11 | 45 | 70 | 100 | M10×18 | 45 | 111 | 13 | 6 | 45 | 175 | 152 | 14 | 210 | 200 | 10 | 38.3 |
| RV110-WB120 | 14 | 50 | 85 | 115 | M10×18 | 45 | 131 | 15 | 6 | 45 | 230 | 170 | 14 | 280 | 260 | 12 | 45.3 |
| RV130-WB150 | 15 | 60 | 100 | 120 | M12×21 | 22.5 | 140 | 15 | 6 | 45 | 255 | 180 | 16 | 320 | 290 | 14 | 48.8 |

注：X尺寸参照第300页。Kg重量不含电机重量。

Note: For X details, see page 204. The weight don't contain motor.