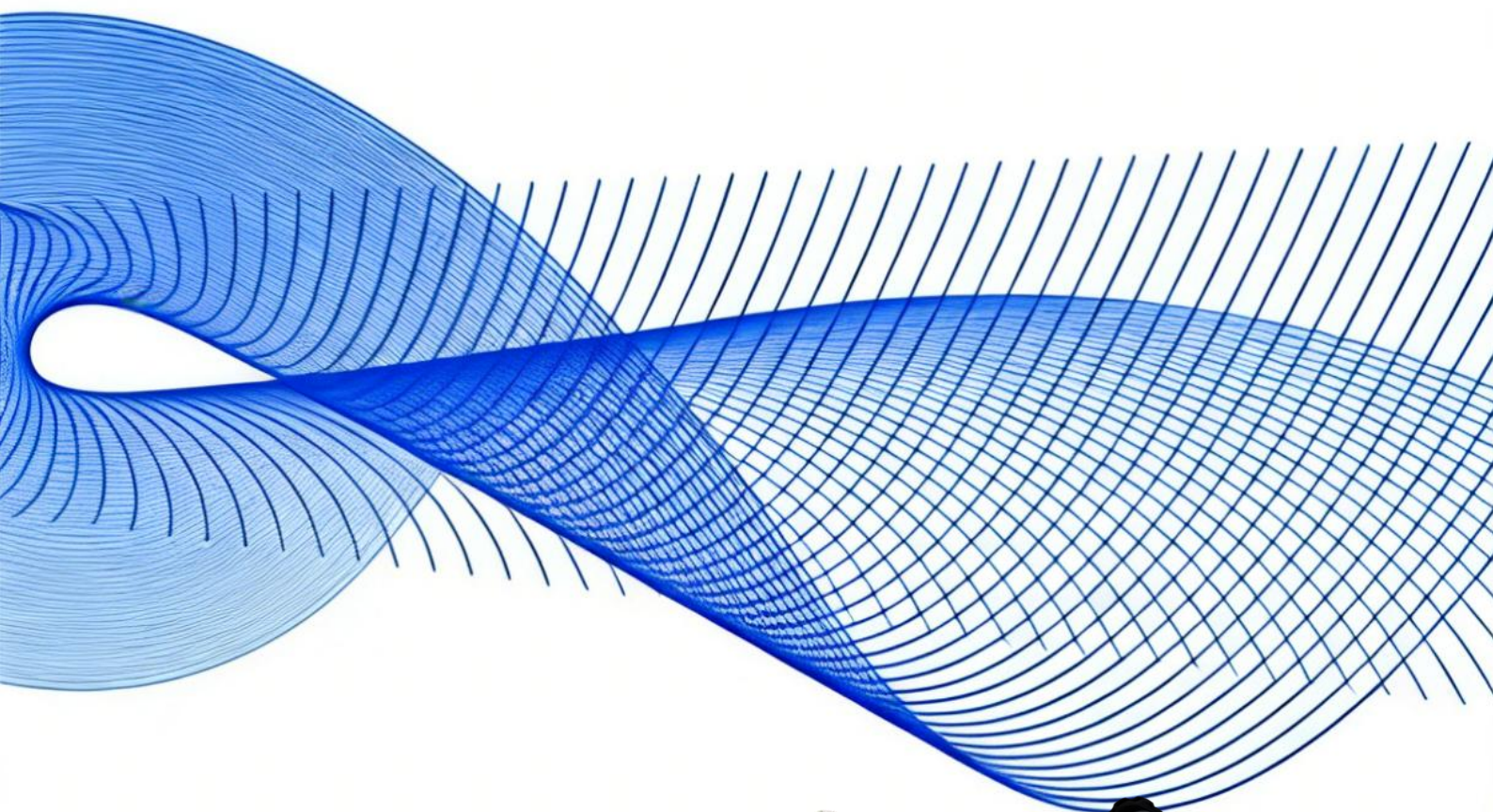


# Hangzhou GT Rail Traffic Equipment Co., Ltd

**IVH Drive: Global Power Transmission Solutions**



**Stepless Variator Catalogue**

## About Us

IVH DRIVE was founded in 2011 and headquartered in Hangzhou, is a National High-Tech Enterprise integrating R&D, manufacturing, and sales. With over 150 employees (15% in R&D) and a 32,000 m<sup>2</sup> smart production base, the company achieves an annual turnover of 150 million RMB (with 30% from exports), maintaining steady growth. Holding prestigious international certifications such as CE, UL, and CSA, IVH DRIVE is committed to providing domestic alternatives for high-end transmission equipment, delivering high-efficiency and high-stability power solutions for the global rail traffic and industrial sectors. Our products are widely utilized in diverse industries, including smart logistics, food packaging, energy & mining, and construction machinery. To date, we have exported to 25 countries, with a business footprint spanning Europe, North America, Southeast Asia, and the Middle East, making us your trusted partner for industrial power.

**2011**

SINCE

**25+**

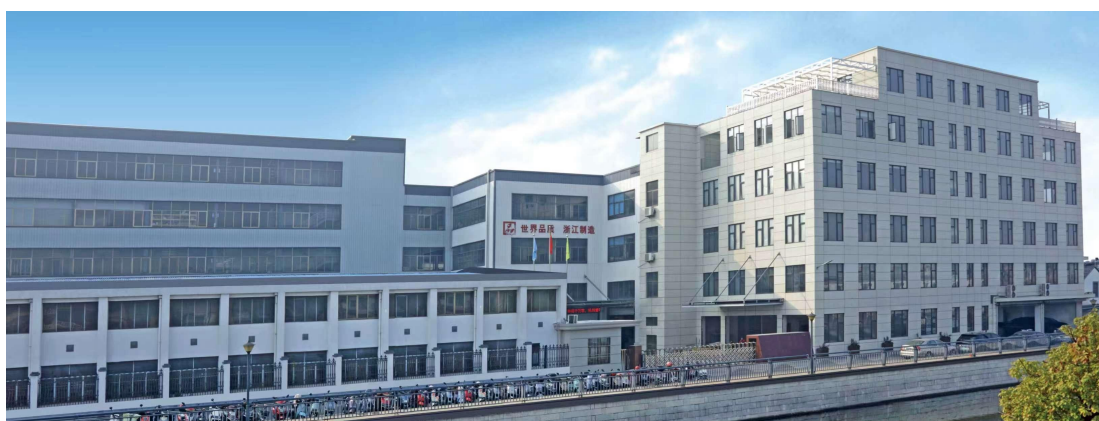
EXPORT COUNTRIES

**40+**

PRODUCT COVERAGE

**8**

FACTORIES DISTRIBUTION

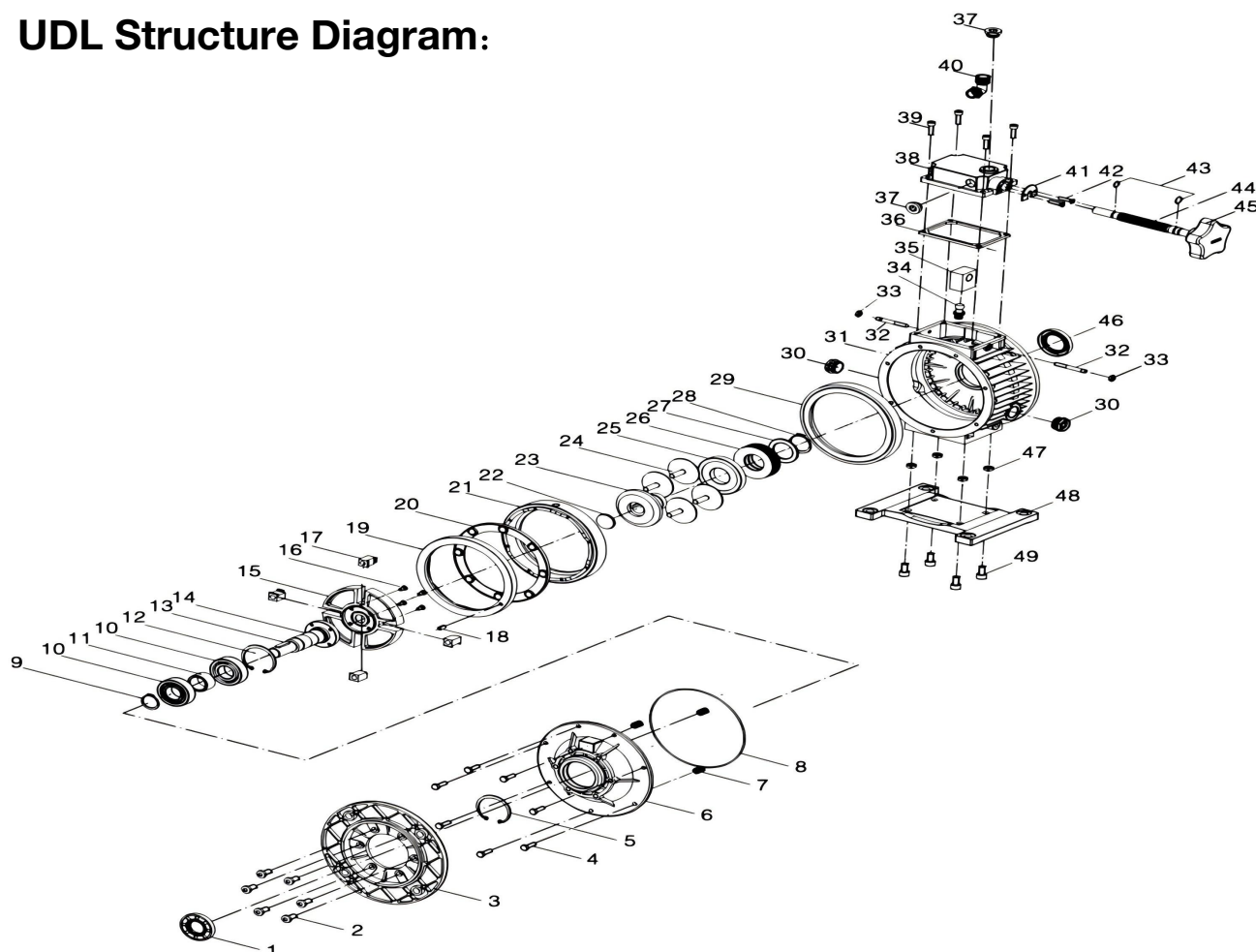




## Product Content

|                                                                      |    |
|----------------------------------------------------------------------|----|
| 1.UDL Structure Diagram.....                                         | 1  |
| 2.UDL Summarize.....                                                 | 2  |
| 3.UDL Model Illuminate.....                                          | 3  |
| 4.UDL Outline Dimension Sheet.....                                   | 5  |
| 5.UDL Installation Positions Diagram.....                            | 8  |
| 6.MB Summarize.....                                                  | 10 |
| 7.Model Designation Method.....                                      | 11 |
| 8.Performance Curves.....                                            | 11 |
| 9.MB series transmission capacity and selection parameter table..... | 12 |
| 10.Example of installation method.....                               | 13 |
| 11.Appearance and installation dimensions.....                       | 14 |
| 12.B5 Motor Overall dimensions.....                                  | 18 |

## UDL Structure Diagram:



|    |                                             |    |                                                    |
|----|---------------------------------------------|----|----------------------------------------------------|
| 1  | 油封 / Oil seal                               | 26 | 蝶形弹簧 / Will spring                                 |
| 2  | 内六角圆柱头螺栓 / Hexagonal cylindrical head bolts | 27 | 挡圈 / Block circle                                  |
| 3  | 输出法兰 / Output flanges                       | 28 | 轴用挡圈 / Shaft block                                 |
| 4  | 外六角圆柱头螺栓 / Hexagonal cylindrical head bolts | 29 | 定环 / Set ring                                      |
| 5  | 孔用挡圈 / Hole block circle in                 | 30 | 视油镜 / Depending on oil mirror                      |
| 6  | 输出端盖 / Output cover                         | 31 | 箱体 / Cabinet                                       |
| 7  | 弹簧 / Spring                                 | 32 | 螺栓 / Bolt                                          |
| 8  | O型橡胶密封圈 / O-ring                            | 33 | 螺母 / Nut                                           |
| 9  | 轴用挡圈 / Shaft block                          | 34 | 球头调速柄 / Ball head speed control handle             |
| 10 | 轴承 / Bearing                                | 35 | 调速螺母 / Speed nuts                                  |
| 11 | 轴承隔套 / Bearing every set of                 | 36 | 橡胶垫片 / Rubber gaskets                              |
| 12 | 孔用挡圈 / Hole block circle in                 | 37 | 油塞 / Oil plug                                      |
| 13 | 平键 / Parallel key                           | 38 | 操作盖 / Operating cover                              |
| 14 | 输出轴 / Output shaft                          | 39 | 内六角圆柱头螺栓 / Inside hexagonal cylindrical head bolts |
| 15 | 转臂 / Turn arm                               | 40 | 弯管 / Bent pipe                                     |
| 16 | 螺钉 / Screws                                 | 41 | 挡板 / Baffle                                        |
| 17 | 滑块 / Slider                                 | 42 | 螺钉 / Screws                                        |
| 18 | 弹性圆柱销 / Elastic cylindrical pin             | 43 | O型橡胶密封圈 / O-ring                                   |
| 19 | 固定凸轮 / Fixed CAM                            | 44 | 丝杆 / Screw                                         |
| 20 | 滚珠环 / Ball ring                             | 45 | 调速柄 / Speed control handle                         |
| 21 | 调速凸轮 / Speed CAM                            | 46 | 油封 / Oil seal                                      |
| 22 | 平面油封 / Plane oil seal                       | 47 | 螺母 / Nut                                           |
| 23 | 主动轮 / Active wheel                          | 48 | 底脚 / Foot bottom                                   |
| 24 | 行星锥盘 / Planet cone-disk                     | 49 | 内六角圆柱头螺栓 / Inside hexagonal cylindrical head bolts |
| 25 | 压盘 / Pressure plate                         |    |                                                    |



## UDL Summarize:

### 结构特点 / STRUCTURE FEATURES

1. 调速精度高，速度重复精度达0.5-1转。
2. 可双向连续运转。
3. 输出传动比在1: 1.4至1: 7之间（UDL002除外）连续可调，变速比达5。
4. 运行效率高，平稳静噪。
5. 密封性好，对使用环境适应性强。
6. 能与各种减速机灵活组合，解决各种传动变速方案。

1. High precision for the speed adjustment, the iterative precision of the speed is between 0.5-1cycle.
2. Can run bi-directional continuously.
3. The output transmission ratio is between 1:1.4and 1:7(except UDL002) and is adjustable.
4. High operating efficiency,stable and no noise.
5. Good sealing, and good adaptability in the operating environment.
6. Good sealing, and good adaptability in the operating environment.
7. Can combine with all kinds of reducers agilely to handle various kinds of transmission projects.

### 主要材料 / MAIN MATERIALS

1. 外壳：UDL为铝合金，UDT为铸铁；
2. 内部零件：为热处理淬硬的GCr15钢；
3. 轴：热处理淬硬并经低温回火的20Cr钢。

1. Outside shell:Aluminum alloy for UDL and casting iron for UDT.
2. Inner parts: Gcr15 steel heat hardening.
3. Shaft: 20Cr with heat treatment and tempered with low temperature.

### 涂漆 / PAINTING

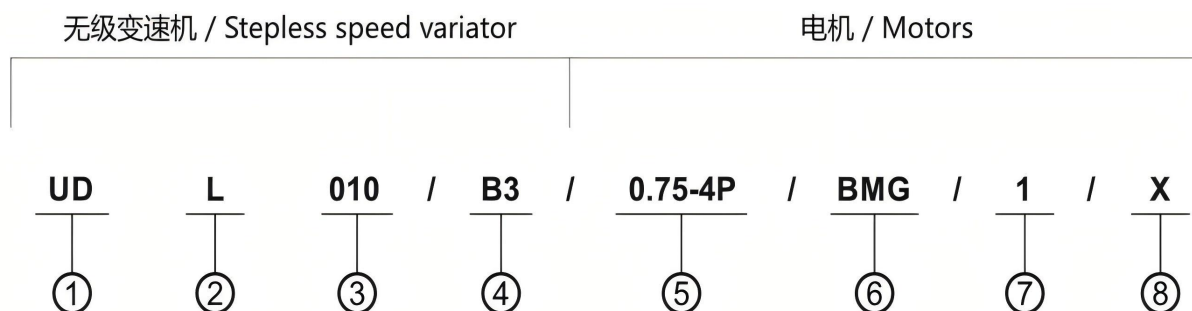
|         |            |
|---------|------------|
| RAL7035 | 浅灰色 / grey |
| RAL5010 | 蓝色 / blue  |

### 配套电机 / MATCHED MOTORS

宙义铝壳电机，IP54/55，B5安装法兰。

BMEMB motors in Aluminum case, mounting position B5 and IP54/55.

## UDL Model Illuminate:

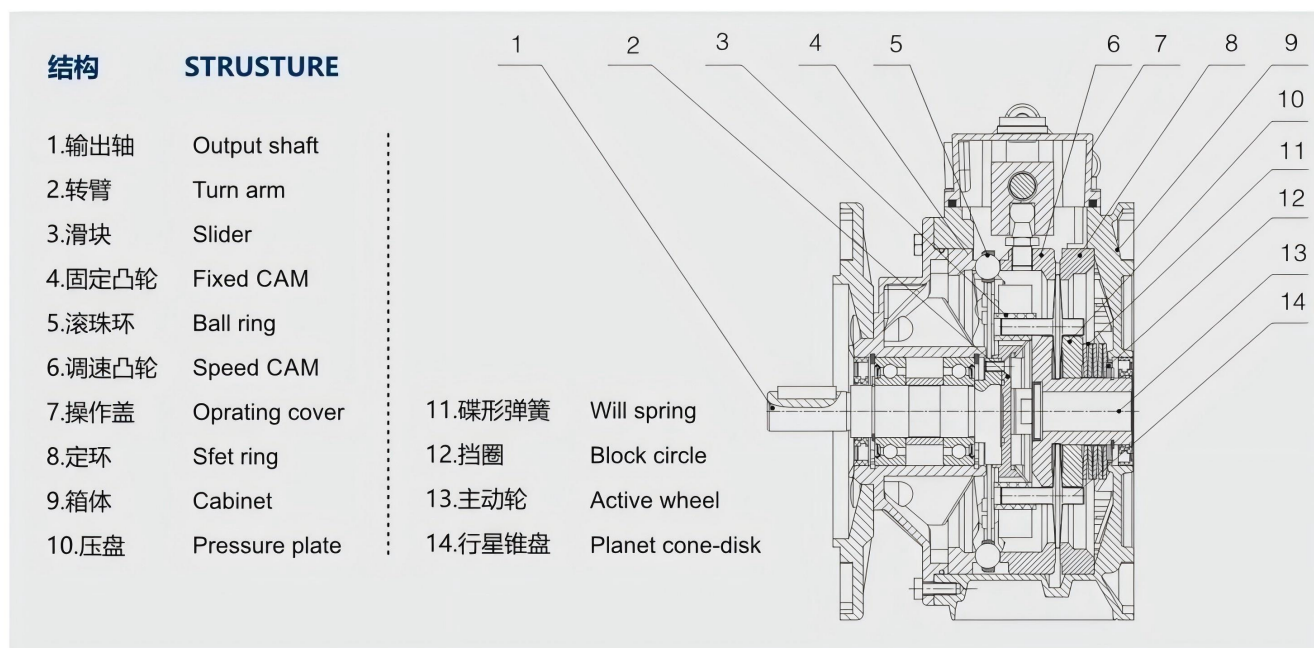


| NO | 说明                                                        | Description                                                                                                  |
|----|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1  | 无级变速机代号                                                   | Code of stepless speed variator                                                                              |
| 2  | L: 铝合金机壳<br>T: 铸铁机壳                                       | L:Aluminium alloy casing<br>T:cast iron casing                                                               |
| 3  | 无级变速机机座号                                                  | Steat NO. of stepless speed variato                                                                          |
| 4  | B3: 底脚安装机型<br>B5: 法兰安装机型                                  | B3:Foot-mounted model<br>B5:Flange-mounted positon                                                           |
| 5  | 1.无代号表示不带电机<br>2.0.37-4P: 电机功率、级数<br>3.80ST-M01330:伺服电机型号 | 1. No mark means without motor<br>1.0.37-4P: Model motors(poles of power)<br>2.80ST-M01330: Servo motor type |
| 6  | 1.无代号表示不带制动器<br>2.BMG:制动器                                 | 1.No mark means without brake<br>2.BMG:brake                                                                 |
| 7  | 电机接线盒位置，默认位置1可以不写                                         | Position of motor terminal box<br>default position 1 not to write out is ok                                  |
| 8  | 电机进线位置，默认位置X可以不写                                          | Coil position for motor , default position X not to write out is ok                                          |

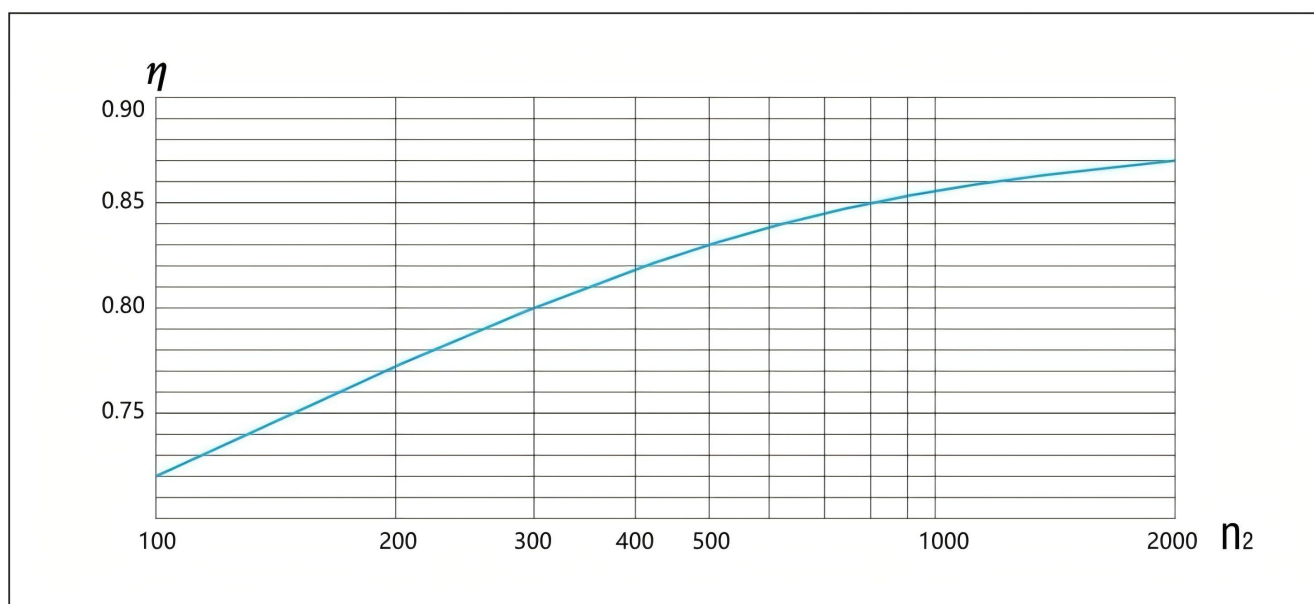
订单时请说明是否带电机，一般按不带电机供应。

When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.

示例 / Example: **UDL005/B5/0.37-4P**



## 变速机的效率 / Efficiency



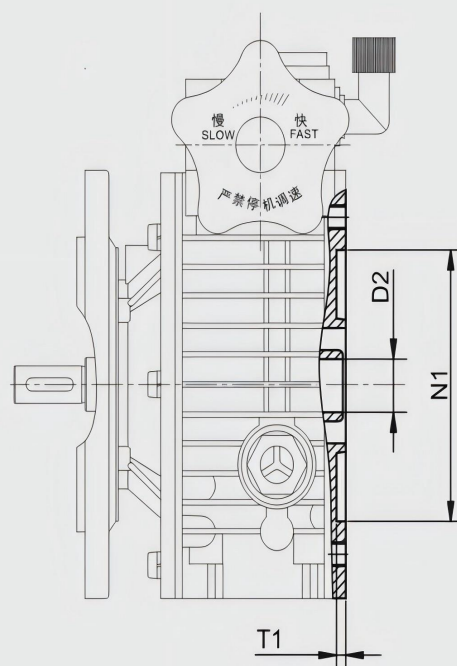
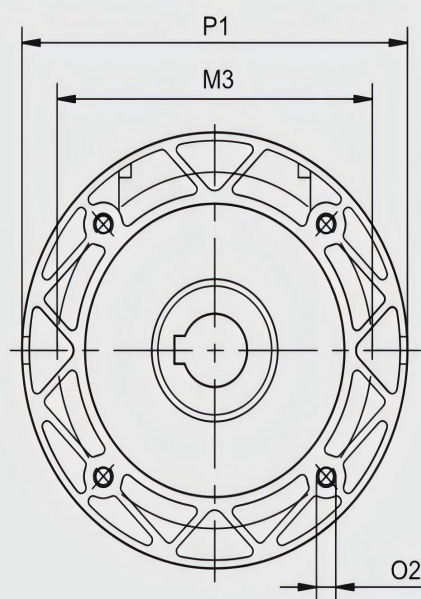
注：每型变速机的效率曲线并不尽相同，但大致趋势规律是相同的。

Note: the efficiency curve for different variator is not the same. But its trend rules are same.



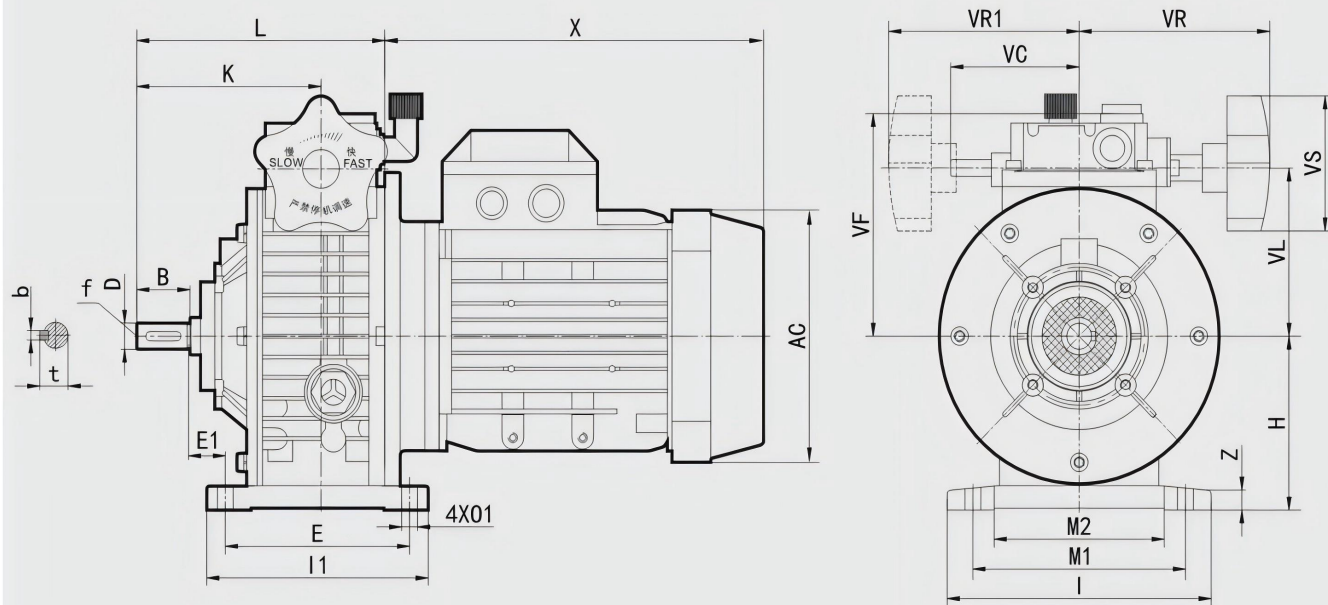
## UDL Outline Dimension Sheet:

变速机的电机配合接口 / Adaptation Interface



| TYPE   | PAM-IEC   | P1  | N1 (H8) | M3  | O2  | D2 (F7) | T1 |
|--------|-----------|-----|---------|-----|-----|---------|----|
| UDL002 | 63B5      | 140 | 95      | 115 | M8  | 11      | 5  |
| UDL005 | 71B5      | 160 | 110     | 130 | M8  | 14      | 5  |
| UDL010 | 80B5      | 200 | 130     | 165 | M10 | 19      | 6  |
|        | 90B5      | 200 | 130     | 165 | M10 | 24      | 6  |
| UDT020 | 90B5      | 200 | 130     | 165 | M10 | 24      | 6  |
| UDT030 | 100/112B5 | 250 | 180     | 215 | M12 | 28      | 6  |
| UDT050 | 132B5     | 300 | 230     | 265 | M12 | 28      | 6  |

## B3型外形尺寸 / B3 Size



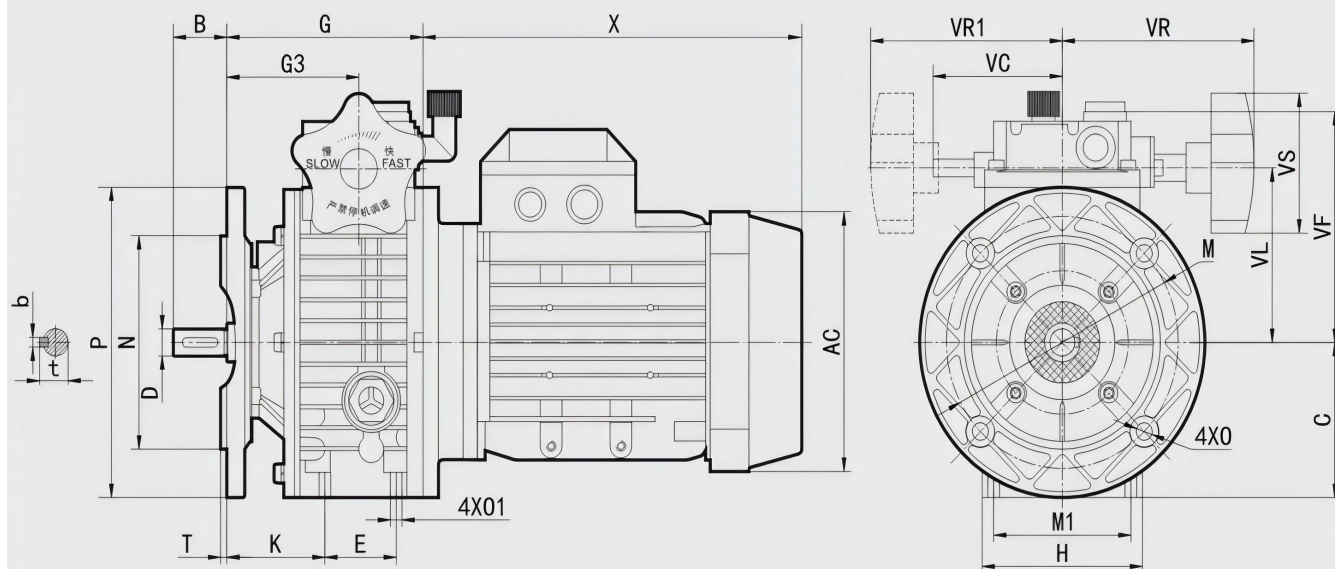
## B3型机座安装形式 / B3 type frame installation form

| TYPE   | B  | D(j6) | E   | E1   | H   | I   | I1  | K     | L     | M1  | M2  | 01 | VC | VF  | VL  | VR  | VR1 | VS  | b  | t    | z  | f   |
|--------|----|-------|-----|------|-----|-----|-----|-------|-------|-----|-----|----|----|-----|-----|-----|-----|-----|----|------|----|-----|
| UDL002 | 23 | 11    | 105 | 17.5 | 80  | 145 | 120 | 87.5  | 135.5 | 110 | 71  | 9  | 71 | 111 | 78  | 110 | 110 | 85  | 4  | 12.5 | 10 | -   |
| UDL005 | 30 | 14    | 104 | 20   | 93  | 149 | 125 | 104   | 140   | 120 | 96  | 9  | 71 | 123 | 90  | 110 | 110 | 85  | 5  | 16   | 10 | M6  |
| UDL010 | 40 | 19    | 125 | 26   | 113 | 190 | 150 | 125.5 | 179   | 160 | 135 | 11 | 79 | 140 | 107 | 120 | 120 | 110 | 6  | 21.5 | 15 | M6  |
| UDT020 | 50 | 24    | 140 | 49   | 123 | 241 | 150 | 165   | 238   | 180 | 143 | 12 | -  | 144 | 122 | 150 | -   | 110 | 8  | 27   | 18 | M8  |
| UDT030 | 60 | 28    | 230 | 25   | 150 | 300 | 270 | 191   | 268   | 245 | 190 | 14 | -  | 188 | 150 | 160 | -   | 110 | 8  | 31   | 25 | M8  |
| UDT050 | 70 | 38    | 250 | 33   | 200 | 365 | 290 | 201   | 319   | 315 | 245 | 18 | -  | -   | 192 | 194 | -   | 110 | 10 | 41   | 30 | M10 |

注：1. X、AC尺寸参见本公司样本《通用电机》篇中的尺寸部分。

NOTE: 1. Pls refer to our catalogue Electric Motor for the size of X&AC.

## B5型外形尺寸 / B5 Size



## B5型机座安装形式 / B5 TYPE FRAME INSTALLATION FORM

| TYPE   | B  | C   | D(j6) | E  | G     | G3   | H   | M   | M1 | N   | O  | O1 | P   | T   | K  | VC | VF  | VL  | VR  | VR1 | b  | t    |
|--------|----|-----|-------|----|-------|------|-----|-----|----|-----|----|----|-----|-----|----|----|-----|-----|-----|-----|----|------|
| UDL002 | 23 | 70  | 11    | 50 | 112.5 | 64.5 | 72  | 115 | 60 | 95  | 9  | M6 | 140 | 3.5 | 46 | 71 | 111 | 78  | 110 | 110 | 4  | 12.5 |
| UDL005 | 30 | 80  | 14    | 40 | 110   | 74   | 90  | 130 | 77 | 110 | 9  | M8 | 160 | 3.5 | 53 | 71 | 123 | 90  | 110 | 110 | 5  | 16   |
| UDL010 | 40 | 100 | 19    | 58 | 139   | 85.5 | 98  | 165 | 84 | 130 | 11 | M8 | 200 | 3.5 | 60 | 79 | 140 | 107 | 120 | 120 | 6  | 21.5 |
| UDT020 | 50 | 109 | 24    | -  | 188   | 115  | 241 | 165 | -  | 130 | 11 | -  | 200 | 3.5 | -  | -  | 144 | 122 | 150 | -   | 8  | 27   |
| UDT030 | 60 | 130 | 28    | -  | 208   | 131  | 270 | 215 | -  | 180 | 15 | -  | 250 | 4   | -  | -  | 188 | 150 | 160 | -   | 8  | 31   |
| UDT050 | 70 | 200 | 38    | -  | 244   | 131  | -   | 265 | -  | 230 | 19 | -  | 300 | 4   | -  | -  | -   | 192 | 194 | -   | 10 | 41   |

注：1. X、AC尺寸参见本公司样本《通用电机》篇中的尺寸部分。

NOTE: 1. Pls refer to our catalogue Electric Motor for the size of X&AC.



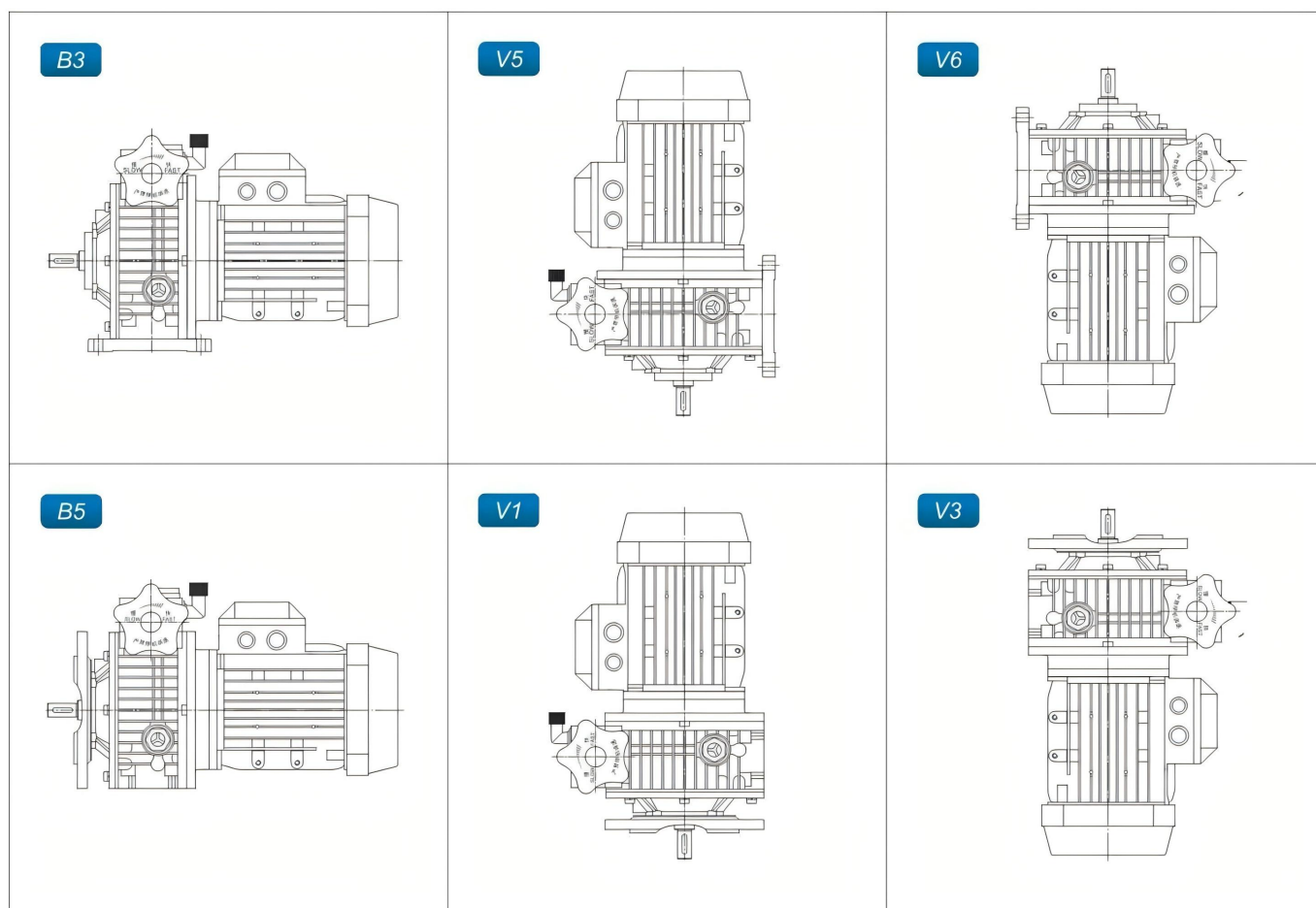
## UDL Installation Positions Diagram:

### UD系列无级变速机性能参数

Performance table for UD series speed variator ( $n_1 = 1400 \text{ r/min}$ )

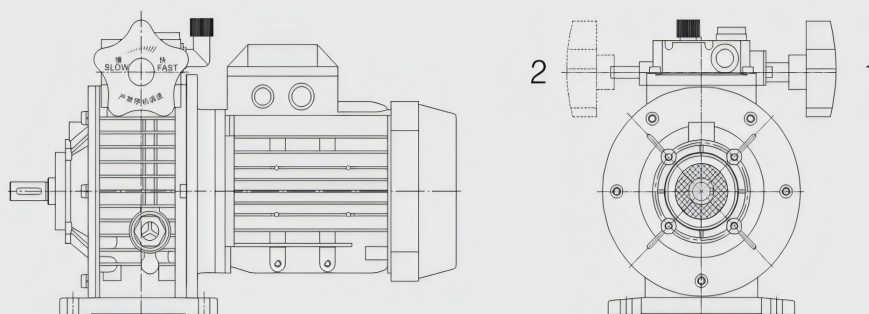
| 电机功率 / MOTOR POWER | 型号/model | I       | n <sub>2</sub> (r/min) | M <sub>2</sub> (Nm) |
|--------------------|----------|---------|------------------------|---------------------|
| 0.18kW             | UDL002   | 1.6-8.2 | 880-170                | 1.5-3               |
| 0.25kW             | UDL005   | 1.4-7   | 1000-200               | 2.2-6               |
| 0.37kW             | UDL005   | 1.4-7   | 1000-200               | 3-6                 |
| 0.55kW             | UDL010   | 1.4-7   | 1000-200               | 4-8                 |
| 0.75kW             | UDL010   | 1.4-7   | 1000-200               | 6-12                |
| 1.1kW              | UDT020   | 1.4-7   | 1000-200               | 9-18                |
| 1.5kW              | UDT020   | 1.4-7   | 1000-200               | 12-24               |
| 2.2kW              | UDT030   | 1.4-7   | 1000-200               | 18-36               |
| 3.0kW              | UDT030   | 1.4-7   | 1000-200               | 24-48               |
| 4.0kW              | UDT030   | 1.4-7   | 1000-200               | 32-64               |
| 5.5kW              | UDT050   | 1.4-7   | 1000-200               | 45-90               |
| 7.5kW              | UDT050   | 1.4-7   | 1000-200               | 59-118              |

### UD与NMRV安装方位 / UD AND NMRV INSTALLATION POSITION



## 附件位置 / THE ATTACHMENT POSITION

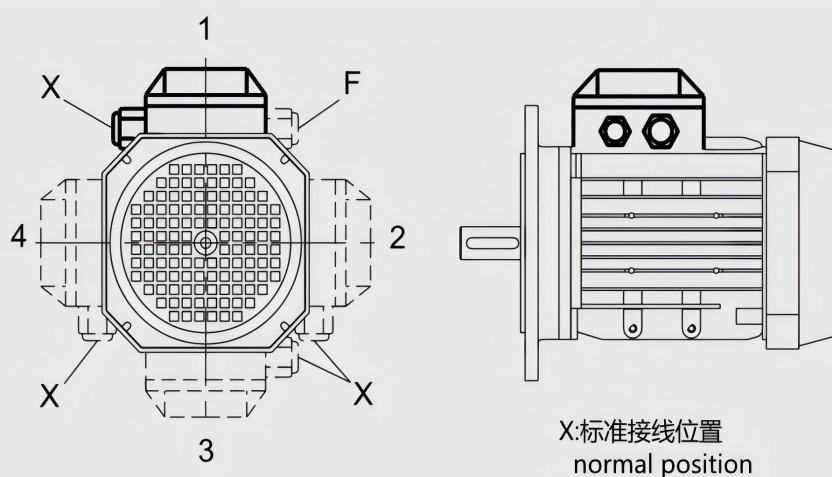
### 手轮位置 / THE POSITION OF THE HAND WHEEL



注：如没有特别说明，手轮将按照如图1位和B3安装方位的组合方式提供。

Note: if no special note, the handwheel will be in accordance with the figure 1 and B3 installation azimuth combination is provided.

### 电机接线盒位置 / MOTOR TERMINAL BOX POSITION

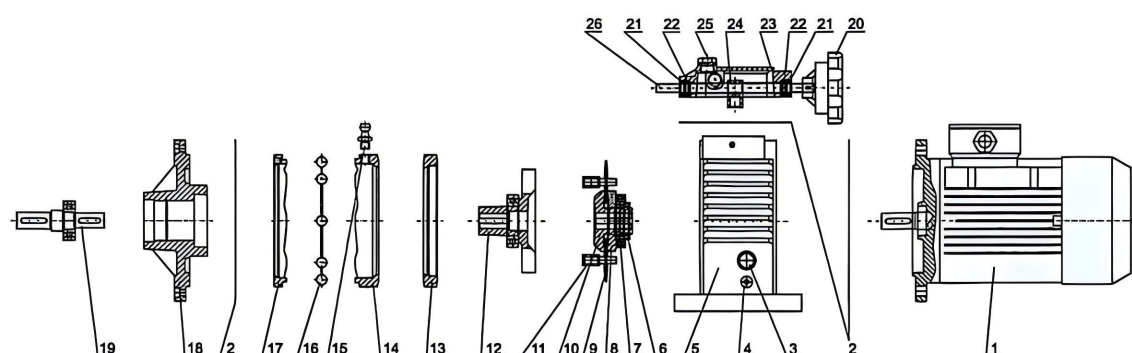


## MB Summarize:

### Performance Characteristics

1. The speed regulation accuracy is 1 rpm, leading among similar products currently available.
2. Continuously variable speed can be achieved from the minimum to maximum speed within a ratio of 1:5 at any position.
3. All transmission components undergo strict processing, precision machining, and grinding; therefore, the service life is long and the noise level is low.
4. It can be reasonably combined with gear reducers, cycloid pinwheel reducers, worm gear reducers, etc., to meet different application requirements for output torque, minimum and maximum output speeds.

### Structural Exploded View and Transmission Principle



| No.  | Part Name                   | No.  | Part Name                | No.  | Part Name            | No.  | Part Name                  |
|------|-----------------------------|------|--------------------------|------|----------------------|------|----------------------------|
| (1)  | Motor                       | (2)  | Paper Gasket             | (3)  | Oil Mirror           | (4)  | Oil Drain Plug             |
| (5)  | Housing                     | (6)  | Driving Wheel Press Ring | (7)  | Disc Spring          | (8)  | Pressure Wheel             |
| (9)  | Planetary Friction Wheel    | (10) | Driving Wheel            | (11) | Slider Bearing       | (12) | Planetary Carrier          |
| (13) | Fixed Ring                  | (14) | Speed Regulating Cam     | (15) | Adjusting Handle     | (16) | Flat Spring Clip           |
| (17) | Fixed Cam                   | (18) | Output Flange            | (19) | Output Shaft         | (20) | Speed Regulating Handwheel |
| (21) | Skeleton Oil Seal           | (22) | Bearing                  | (23) | Speed Regulating Box | (24) | Adjusting Block            |
| (25) | Ventilation Oil Filler Plug | (26) | Speed Regulating Screw   |      |                      |      |                            |

### Transmission Principle

This machine is mainly composed of a motor, a friction transmission mechanism, a pressure device, and a speed regulating control mechanism.

The working process of the friction transmission mechanism: A set of tapered planetary friction wheels (9) are sandwiched externally between the fixed ring (13) and the speed regulating cam (14), and internally between the driving wheel (10) and the pressure wheel (8) to form a friction pair. When the motor (1) drives the driving wheel (10), the friction wheels perform pure rolling. Since the fixed ring and the speed regulating cam are stationary, the friction wheels both rotate on their own axes and revolve, driving the planetary carrier (12) to rotate via the friction wheel shafts and slider bearings (11). The pressure device consists of a set of disc springs (7), which apply axial force to the driving wheel and pressure wheel.

The working process of the speed regulating mechanism: Rotating the speed regulating handwheel (20) drives the speed regulating screw to change the angular position of the speed regulating cam (14) along the curved surface of the fixed cam (17), with the flat spring clip (16) acting as an intermediate transmission component. This generates axial movement of the speed regulating cam, changing the gap between the speed regulating cam and the fixed ring. Under the drive of the motor's rotation speed and the principle of centrifugal force, the planetary friction wheels move radially, uniformly changing the working radius of the friction contact area, and ultimately achieving stable infinitely variable speed regulation.

## Model Designation Method

### Basic Type:

MB L 07 Y-0.75

| | | |

| | | | Motor power (omitted if motorless)

| | | | Motor code (omitted if motorless)

| | | | Model number

| | | | Structure form: Vertical (Horizontal = W)

| | | | The series speed drive code

### With 1-stage / 2-stage Gear Type:

MB W 40 Y-3-2C-25

| | | | |

| | | | | Gear ratio

| | | | | With 2-stage gear reduction (1-stage = C)

| | | | | Motor power (omitted if motorless)

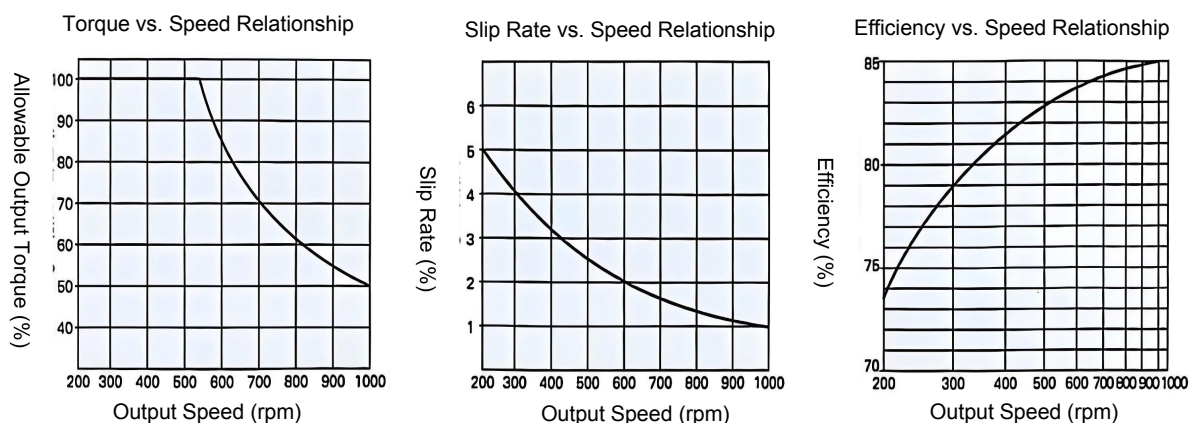
| | | | | Motor code (omitted if motorless)

| | | | | Model number

| | | | | Structure form: Horizontal (Vertical = L)

| | | | | The series speed drive code

## Performance Curves



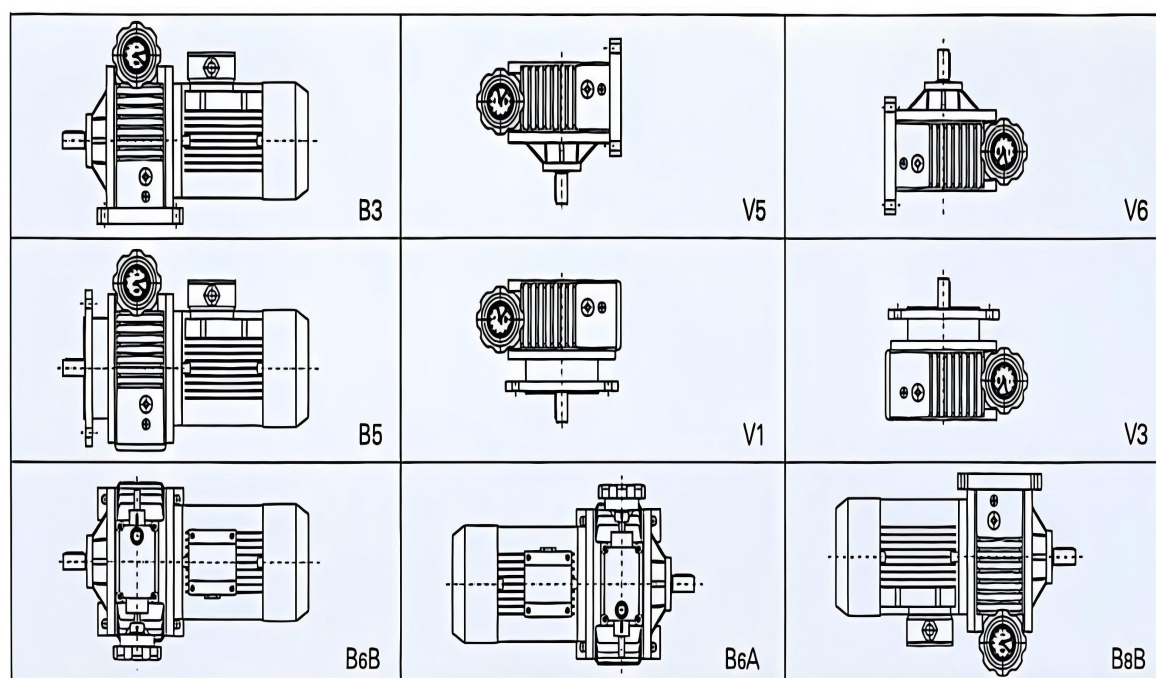


**MB series transmission capacity and selection parameter table**

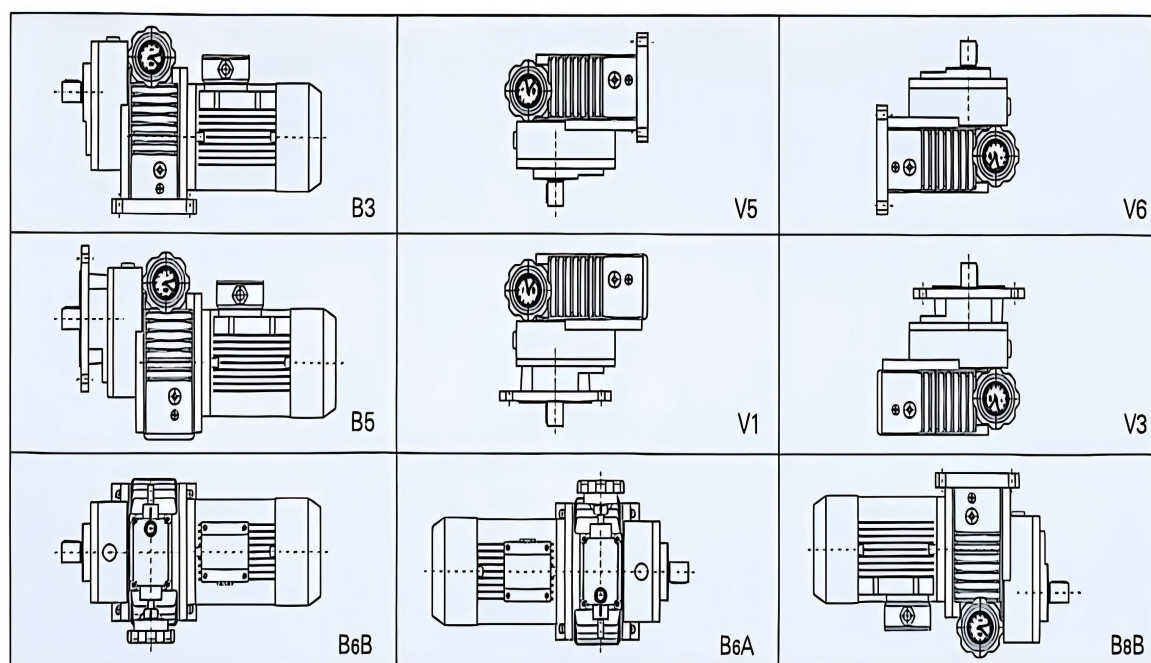
| Model                                        |       |                     |       | MB02                          | MB04        | MB07       |            | MB15       |            | MB22       | MB40       |            | MB50       | MB75      | MB150      |            |
|----------------------------------------------|-------|---------------------|-------|-------------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|
| Rated power: KW<br>Input speed: 1450r/min    |       |                     |       | 0.18                          | 0.37        | 0.55       | 0.75       | 1.1        | 1.5        | 2.2        | 3          | 4          | 5.5        | 7.5       | 11         | 15         |
| Variable type                                | Code  | Speed range (r/min) | Ratio | Output allowable torque (N.m) |             |            |            |            |            |            |            |            |            |           |            |            |
| Basic                                        | MB    | 1000-200            |       | 1.5-3                         | 3-6         | 5-10       | 6-12       | 9-18       | 12-14      | 18-36      | 24-48      | 32-64      | 45-90      | 60-120    | 88-176     | 118-235    |
| With 1-stage Gear Type                       | MB-C  | 2000-4000           | 1/2   |                               |             |            |            | 4.2-8.4    | 5.5-11     | 8.6-17     | 11-22      | 15-30      |            |           |            |            |
|                                              |       | 150-300             | 2/3   |                               |             |            |            | 5.6-11     | 7.5-15     | 11-22      | 15-30      | 20-40      |            |           |            |            |
|                                              |       | 675-135             | 1.5   | 2.1-4.2                       | 4.2-8.4     | 7-14       | 8.5-17     | 12.5-25    | 17-34      | 25.5-51    | 34-68      | 45.5-91    | 64-128     | 84-168    |            |            |
|                                              |       | 500-100             | 2     | 2.9-5.7                       | 5.7-11      | 9.5-19     | 11.5-23    | 17-34      | 22-45      | 34-68      | 46-91      | 61-121     | 86-171     | 114-228   | 167-334    | 248-496    |
|                                              |       | 400-80              | 2.5   | 3.5-7                         | 7-14        | 12-14      | 14-28      | 21-42      | 28-56      | 43-85      | 57-114     | 76-152     | 107-214    | 142-284   | 209-418    | 280-560    |
|                                              |       | 300-60              | 3.3   | 4.6-9.2                       | 9.3-18.6    | 15.5-31    | 18.6-37    | 28-56      | 37-74      | 56-111     | 75-150     | 99-198     | 140-279    | 186-372   | 275-551    | 370-740    |
| With 2-stage Gear Type                       | MB-2C | 200-40              | 5     | 6.2-12.5                      | 12.5-25     | 21.7-43.5  | 26-52      | 39.5-79    | 52.6-105   | 73-146     | 97-195     | 130-260    | 194-387    | 258-516   | 418-836    | 560-1121   |
|                                              |       | 125-25              | 8     | 10-20                         | 20-40       | 34-68      | 40-80      | 60-120     | 80-160     | 122-243    | 162-324    | 216-432    |            |           |            |            |
|                                              |       | 100-20              | 10    | 12-26                         | 26-53       | 42-86      | 50-102     | 78-156     | 105-213    | 158-319    | 210-428    | 282-570    |            |           |            |            |
|                                              |       | 90-18               | 11    | 14-28                         | 28-56       | 45-90      | 54-108     | 80-160     | 108-218    | 162-324    | 216-432    | 288-576    |            |           |            |            |
|                                              |       | 75-15               | 13.3  | 17-34                         | 34-68       | 56-112     | 68-136     | 100-200    | 135-270    | 203-408    | 270-540    | 360-720    |            |           |            |            |
|                                              |       | 60-12               | 16.6  | 21-42                         | 42-84       | 70-140     | 84-168     | 125-250    | 167-334    | 251-502    | 335-670    | 446-892    |            |           |            |            |
| With 1-stage Cycloidal Pinwheel Reducer Type | MB-X  | 50-10               | 20    | 25-50                         | 53-106      | 90-180     | 96-192     | 130-260    | 192-384    | 260-520    | 412-824    | 550-1110   |            |           |            |            |
|                                              |       | 40-8                | 25    | 28-57                         | 61-120      | 109-205    | 116-218    | 142-275    | 215-398    | 270-535    | 423-845    | 565-1180   |            |           |            |            |
|                                              |       | 110-22              | 9     | 12-24                         | 48-48       | 41-81      | 49-97      | 73-146     | 97-194     | 146-292    | 194-389    | 259-518    | 356-729    | 486-972   | 612-1224   | 955-1903   |
|                                              |       | 90-18               | 11    | 15-30                         | 30-60       | 50-99      | 59-119     | 89-178     | 119-238    | 178-356    | 238-475    | 317-643    | 446-891    | 594-1188  | 712-1425   | 1168-2326  |
|                                              |       | 58.8-11.8           | 17    | 23-46                         | 46-92       | 77-153     | 92-184     | 138-275    | 184-367    | 275-550    | 367-734    | 490-979    | 689-1377   | 918-1836  | 871-1742   | 1805-3595  |
|                                              |       | 43.5-8.7            | 23    | 31-62                         | 62-134      | 104-207    | 124-248    | 186-373    | 248-496    | 373-745    | 497-994    | 662-1325   | 932-1863   | 1242-2484 | 1346-2962  | 2442-4864  |
|                                              |       | 34.5-6.9            | 29    | 39-78                         | 78-156      | 131-261    | 157-313    | 236-470    | 313-626    | 470-940    | 626-1253   | 835-1670   | 1175-2349  | 1566-3132 | 1980-3960  | 3079-6133  |
|                                              |       | 28.5-5.7            | 35    | 47-94                         | 95-189      | 157-314    | 189-378    | 284-567    | 378-756    | 567-1134   | 756-1512   | 1008-2016  | 1418-2835  | 1890-3780 | 2296-4593  | 3717-7402  |
|                                              |       | 23.5-4.7            | 43    | 58-116                        | 116-232     | 194-387    | 232-464    | 348-697    | 464-928    | 697-1393   | 929-1858   | 1238-2477  | 1742-2483  | 2322-4644 | 2772-5544  | 4566-9094  |
|                                              |       | 17-3.4              | 59    | 77-159                        | 159-318     | 265-530    | 318-637    | 478-956    | 637-1274   | 956-1912   | 1274-2549  | 1699-3398  | 2390-4779  | 3186-6372 | 3722-7444  | 6265-12478 |
| With 2-stage Cycloidal Pinwheel Reducer Type | MB-XE | 14-2.8              | 71    | 96-191                        | 192-383     | 319-638    | 383-766    | 575-1150   | 766-1532   | 1150-2300  | 1532-3064  | 2045-4090  | 2876-5751  | 3834-7668 | 4672-9345  | 7540-15016 |
|                                              |       | 11.5-2.3            | 87    | 117-235                       | 235-470     | 391-72     | 470-940    | 705-1409   | 940-1849   | 1409-2819  | 1879-3758  | 2506-5011  | 3524-7047  | 4698-9396 | 5623-11246 | 9239-18400 |
|                                              |       | 8.25-1.65           | 121   | 149-297                       | 297-594     | 459-990    | 594-1188   | 891-1782   | 1188-2376  | 1782-3564  | 2352-4704  | 3136-6272  | 4410-8820  | 5880-     |            |            |
|                                              |       | 5.35-1.07           | 187   | 228-456                       | 456-912     | 760-1520   | 912-1824   | 1368-2736  | 1824-3676  | 2736-5472  | 3648-7296  | 4832-9664  | 6840-13680 | 9120-     |            |            |
|                                              |       | 3.45-0.69           | 289   | 353-705                       | 705-1410    | 1175-2350  | 1416-2820  | 2115-4230  | 2820-5640  | 4230-8476  | 5640-11280 | 7520-15040 |            |           |            |            |
|                                              |       | 3.15-0.63           | 319   | 387-774                       | 774-1548    | 1290-2580  | 1548-3096  | 2322-4644  | 3096-6192  | 4644-9288  | 6192-12348 | 8256-16512 |            |           |            |            |
|                                              |       | 2.6-0.52            | 385   | 468-936                       | 936-1872    | 1560-3120  | 1872-3744  | 2808-5616  | 3744-7488  | 5616-11232 | 7488-14976 | 9984-19968 |            |           |            |            |
|                                              |       | 2.1-0.42            | 473   | 576-1152                      | 1152-2304   | 1920-3840  | 2304-4608  | 3456-6912  | 4608-9216  | 6912-13824 | 9216-18432 |            |            |           |            |            |
|                                              |       | 2-0.4               | 493   | 598-1197                      | 1197-2394   | 1995-3990  | 2394-4788  | 3591-7182  | 4788-9576  | 7182-14364 | 9576-19152 |            |            |           |            |            |
|                                              |       | 1.7-0.34            | 595   | 723-1446                      | 1446-2892   | 2410-4820  | 2892-5784  | 4338-8676  | 5784-11568 | 8676-17352 |            |            |            |           |            |            |
|                                              |       | 1.5-0.3             | 649   | 786-1572                      | 1572-3144   | 2620-5240  | 3144-6288  | 4716-9432  | 6288-12576 | 9432-18864 |            |            |            |           |            |            |
|                                              |       | 1.4-0.28            | 731   | 890-1779                      | 1779-3588   | 2965-5930  | 3588-7116  | 5337-10674 | 7116-14232 |            |            |            |            |           |            |            |
|                                              |       | 1.2-0.24            | 841   | 1023-2046                     | 2046-4092   | 3405-6810  | 4092-8184  | 6129-12258 | 8184-16368 |            |            |            |            |           |            |            |
|                                              |       | 1-0.2               | 1003  | 1220-2439                     | 2349-4878   | 4065-8130  | 4878-9756  | 7313-14634 | 9756-19512 |            |            |            |            |           |            |            |
|                                              |       | 0.8-0.16            | 1225  | 1654-3308                     | 3308-6616   | 5512-11024 | 6616-13232 | 9922-19844 |            |            |            |            |            |           |            |            |
|                                              |       | 0.65-0.13           | 1505  | 2031-4062                     | 4062-8124   | 6772-13544 | 8124-16248 |            |            |            |            |            |            |           |            |            |
|                                              |       | 0.55-0.11           | 1849  | 2496-4992                     | 4992-9984   | 8320-16640 |            |            |            |            |            |            |            |           |            |            |
|                                              |       | 0.45-0.09           | 2065  | 2788-5575                     | 5575-11150  | 9292-18584 |            |            |            |            |            |            |            |           |            |            |
|                                              |       | 0.35-0.07           | 3045  | 4110-8220                     | 8220-16440  |            |            |            |            |            |            |            |            |           |            |            |
|                                              |       | 0.3-0.06            | 3481  | 4699-9398                     | 9398-18797  |            |            |            |            |            |            |            |            |           |            |            |
|                                              |       | 0.2-0.04            | 5133  | 6929-13859                    | 13859-27718 |            |            |            |            |            |            |            |            |           |            |            |
| With Worm Gear Reducer Type                  | MB-RV | 133.3-26.6          | 7.5   | 9-17                          | 18-35       | 30-58      | 36-70      | 55-105     | 73-140     | 110-210    | 147-280    | 196-374    | 276-526    | 369-702   |            |            |
|                                              |       | 100-20              | 10    | 12-23                         | 24-46       | 40-77      | 48-92      | 73-138     | 97-184     | 146-277    | 195-369    | 260-492    | 366-693    |           |            |            |
|                                              |       | 66.6-13.3           | 15    | 17-31                         | 34-63       | 58-106     | 69-127     | 104-190    | 139-254    | 208-381    | 278-568    | 372-678    |            |           |            |            |
|                                              |       | 50-10               | 20    | 22-42                         | 46-84       | 75-140     | 90-168     | 136-252    | 181-336    | 272-504    | 363-672    |            |            |           |            |            |
|                                              |       | 40-8                | 25    | 27-49                         | 54-99       | 90-165     | 108-198    | 162-297    | 216-396    | 324-594    |            |            |            |           |            |            |
|                                              |       | 33.3-6.6            | 30    | 30-52                         | 60-104      | 100-174    | 120-208    | 180-313    | 240-417    | 360-626    |            |            |            |           |            |            |
|                                              |       | 25-5                | 40    | 38-64                         | 76-129      | 127-216    | 153-259    | 229-388    | 306-518    |            |            |            |            |           |            |            |
|                                              |       | 20-4                | 50    | 43-72                         | 86-144      | 144-240    | 173-288    | 260-432    | 346-576    |            |            |            |            |           |            |            |
|                                              |       | 16.6-3.3            | 60    | 48-82                         | 96-165      | 161-276    | 193-331    | 289-496    | 386-662    |            |            |            |            |           |            |            |
|                                              |       | 12.5-2.5            | 80    | 58-108                        | 117-216     | 196-360    | 235-432    | 352-648    |            |            |            |            |            |           |            |            |
|                                              |       | 10-2                | 100   |                               |             |            |            |            |            |            |            |            |            |           |            |            |

## Example of installation method

Basic Type:



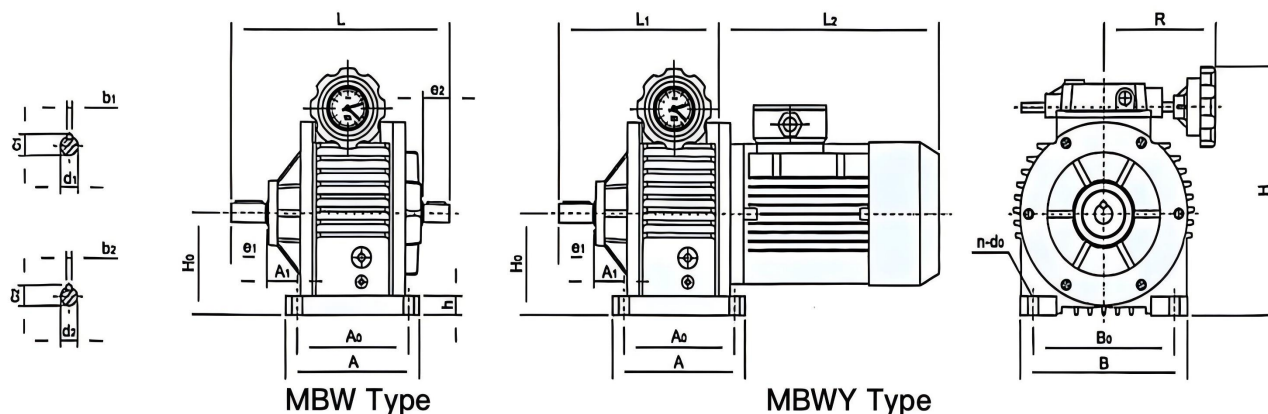
With 1-stage Gear Type:





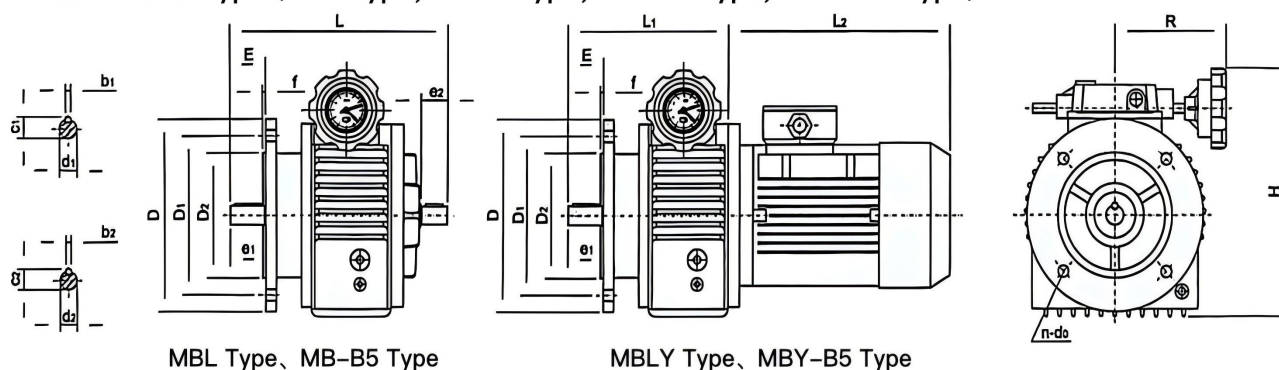
## Appearance and installation dimensions:

### Basic horizontal type (MBW type, MBWY type)



| Model    | Center Height  | Installation Dimensions |                |                |    |   |                | Output Shaft      |                |                |                | Input Shaft       |                |                |                | Overall Dimensions |     |     |     |     |                |                |
|----------|----------------|-------------------------|----------------|----------------|----|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|-----|-----|----------------|----------------|
|          | H <sub>0</sub> | A <sub>1</sub>          | A <sub>0</sub> | B <sub>0</sub> | h  | n | d <sub>0</sub> | d <sub>1</sub> ±6 | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2</sub> ±6 | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | A                  | B   | H   | R   | L   | L <sub>1</sub> | L <sub>2</sub> |
| 02       | 75             | 18                      | 105            | 110            | 13 | 4 | 9              | 14                | 5              | 16             | 30             | 14                | 5              | 16             | 25             | 125                | 146 | 205 | 105 | 197 | 131            | See last page  |
| 04       | 90             | 30                      | 105            | 120            | 15 | 4 | 10             | 14                | 5              | 16             | 30             | 14                | 5              | 16             | 30             | 135                | 160 | 231 | 118 | 222 | 145            |                |
| 07       | 106            | 35                      | 125            | 160            | 18 | 4 | 12             | 20                | 6              | 22.5           | 40             | 19                | 6              | 21.5           | 30             | 150                | 190 | 259 | 126 | 245 | 181            |                |
| 15       | 125            | 50                      | 140            | 180            | 18 | 4 | 12             | 25                | 8              | 28             | 50             | 24                | 8              | 27             | 40             | 165                | 230 | 291 | 135 | 315 | 223            |                |
| 22<br>40 | 150            | 25                      | 230            | 245            | 25 | 4 | 14             | 30                | 8              | 33             | 60             | 24                | 8              | 27             | 50             | 270                | 300 | 356 | 166 | 387 | 268            |                |
| 55<br>75 | 200            | 33                      | 250            | 315            | 30 | 4 | 18             | 35                | 10             | 38             | 70             | 32                | 10             | 35             | 60             | 290                | 365 | 478 | 194 | 430 | 321            |                |
| 150      | 224            | 50                      | 350            | 350            | 34 | 4 | 20             | 50                | 14             | 53.5           | 110            | 40                | 12             | 43             | 82             | 415                | 480 | 603 | 265 | 592 | 456            |                |

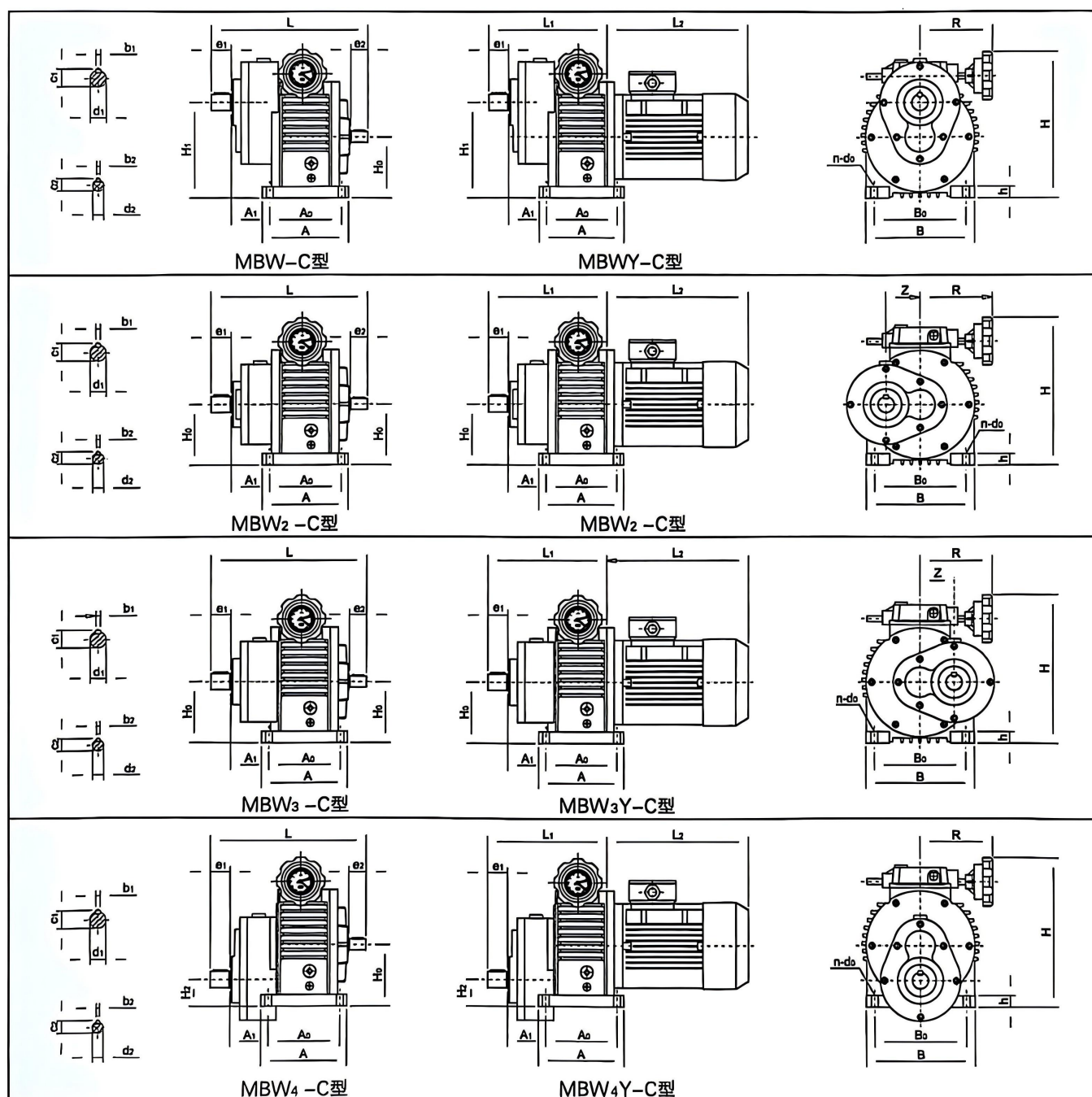
### Basic vertical type (MBL type, MBLY type, MB-B5 type, MBY-B5 type)



| Model    | Installation Dimensions |                |        |          |   |                | Output Shaft      |                |                |                | Input Shaft       |                |                |                | Overall Dimensions |     |     |          |                |                |
|----------|-------------------------|----------------|--------|----------|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|----------|----------------|----------------|
|          | D <sub>1</sub>          | D <sub>2</sub> | E      | f        | n | d <sub>0</sub> | d <sub>1</sub> ±6 | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2</sub> ±6 | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | D                  | H   | R   | L        | L <sub>1</sub> | L <sub>2</sub> |
| 02       | 130(115)                | 110(95)        | 30(23) | 3.5(3)   | 4 | 10(10)         | 14(11)            | 5(4)           | 16(12.5)       | 30(23)         | 14                | 5              | 16             | 25             | 160(140)           | 203 | 105 | 197(190) | 131(124)       | See last page  |
| 04       | 165(130)                | 130(110)       | 30(30) | 3.5(3.5) | 4 | 12(10)         | 14(14)            | 5(5)           | 16(16)         | 30(30)         | 14                | 5              | 16             | 30             | 200(160)           | 228 | 118 | 222(222) | 145(145)       |                |
| 07       | 165(165)                | 130(130)       | 40(40) | 3.5(3.5) | 4 | 12(12)         | 20(19)            | 6(6)           | 22.5(21.5)     | 40(40)         | 19                | 6              | 21.5           | 30             | 200(200)           | 258 | 126 | 245(245) | 181(181)       |                |
| 15       | 215(165)                | 180(130)       | 50(50) | 4(3.5)   | 4 | 15(12)         | 25(24)            | 8(8)           | 28(27)         | 50(50)         | 24                | 8              | 27             | 40             | 250(200)           | 286 | 135 | 315(315) | 223(223)       |                |
| 22<br>40 | 265(215)                | 230(180)       | 60(60) | 4(4)     | 4 | 15(15)         | 30(28)            | 8(8)           | 33(31)         | 60(60)         | 24                | 8              | 27             | 50             | 300(250)           | 351 | 166 | 387(387) | 268(268)       |                |
| 55<br>76 | 300(265)                | 250(230)       | 70(80) | 5(4)     | 4 | 19(15)         | 35(38)            | 10(10)         | 38(41)         | 70(80)         | 32                | 10             | 35             | 60             | 350(300)           | 460 | 194 | 430(440) | 321(331)       |                |
| 150      | 400                     | 350            | 110    | 5        | 4 | 19             | 50                | 14             | 53.5           | 110            | 40                | 12             | 43             | 82             | 450                | 603 | 265 | 592      | 456            |                |

Note: The dimensions in parentheses are for the MB-B5 type, where MB-B5 indicates that its output end size is consistent with the four pole rated power motor size of the model, also known as the small flange type.

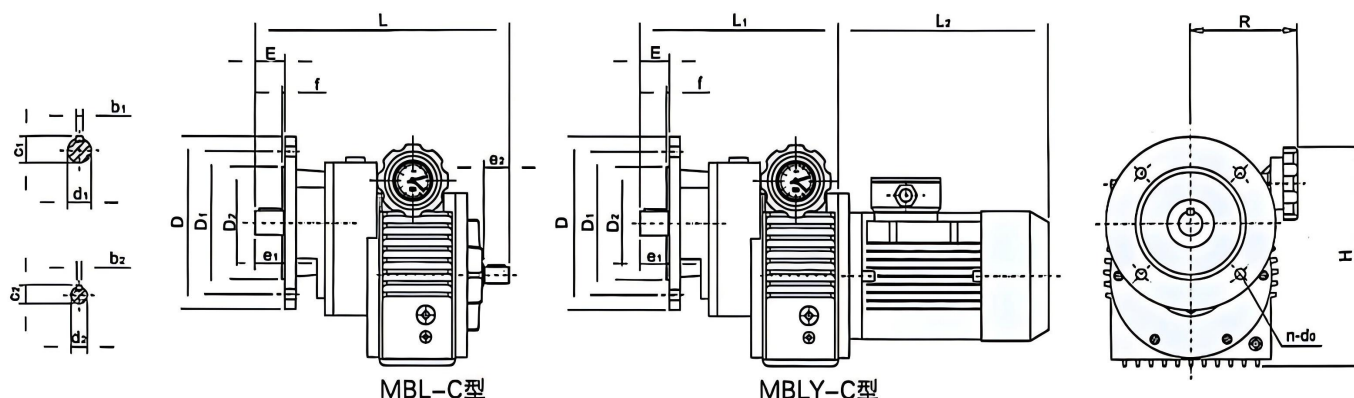
# Horizontal with 1-stage Gear Type (MBW-C Type, MBWY-C Type)



| Model    | center height  |                |                | installation dimensions |                |                |    |   |                | output shaft      |                |                |                | input shaft       |                |                |                | Overall dimensions |     |     |     |     |     |                |                     |  |  |
|----------|----------------|----------------|----------------|-------------------------|----------------|----------------|----|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|-----|-----|-----|----------------|---------------------|--|--|
|          | H <sub>0</sub> | H <sub>1</sub> | H <sub>2</sub> | A <sub>1</sub>          | A <sub>0</sub> | B <sub>0</sub> | h  | n | d <sub>0</sub> | d <sub>1js6</sub> | b <sub>1</sub> | c <sub>1</sub> | ø <sub>1</sub> | d <sub>2js6</sub> | b <sub>2</sub> | c <sub>2</sub> | ø <sub>2</sub> | A                  | B   | H   | R   | Z   | L   | L <sub>1</sub> | L <sub>2</sub>      |  |  |
| 02       | 75             | 120            | 30             | 57                      | 105            | 110            | 13 | 4 | 9              | 20                | 6              | 22.5           | 30             | 14                | 5              | 16             | 25             | 125                | 146 | 205 | 105 | 45  | 238 | 171            | see<br>last<br>page |  |  |
| 04       | 90             | 135            | 45             | 59                      | 105            | 120            | 15 | 4 | 10             | 20                | 6              | 22.5           | 30             | 14                | 5              | 16             | 30             | 135                | 160 | 231 | 118 | 45  | 252 | 176            |                     |  |  |
| 07       | 106            | 166            | 46             | 69                      | 125            | 160            | 18 | 4 | 12             | 28                | 8              | 31             | 35             | 19                | 6              | 21.5           | 30             | 150                | 190 | 259 | 126 | 60  | 274 | 211            |                     |  |  |
| 15       | 125            | 190            | 60             | 78                      | 140            | 180            | 18 | 4 | 12             | 30                | 8              | 33             | 45             | 24                | 8              | 27             | 40             | 165                | 230 | 291 | 135 | 65  | 337 | 246            |                     |  |  |
| 22<br>40 | 150            | 230            | 70             | 66                      | 230            | 245            | 25 | 4 | 14             | 40                | 12             | 43             | 60             | 24                | 8              | 27             | 50             | 270                | 300 | 356 | 151 | 80  | 426 | 308            |                     |  |  |
| 55<br>75 | 200            | 320            | 80             | 159                     | 250            | 315            | 30 | 4 | 18             | 50                | 14             | 53.5           | 82             | 32                | 10             | 35             | 60             | 290                | 365 | 478 | 194 | 120 | 567 | 459            |                     |  |  |
| 150      | 224            | 394            | 94             | 136                     | 350            | 350            | 34 | 4 | 20             | 63                | 18             | 67             | 105            | 40                | 12             | 43             | 82             | 415                | 480 | 603 | 265 | 150 | 673 | 537            |                     |  |  |

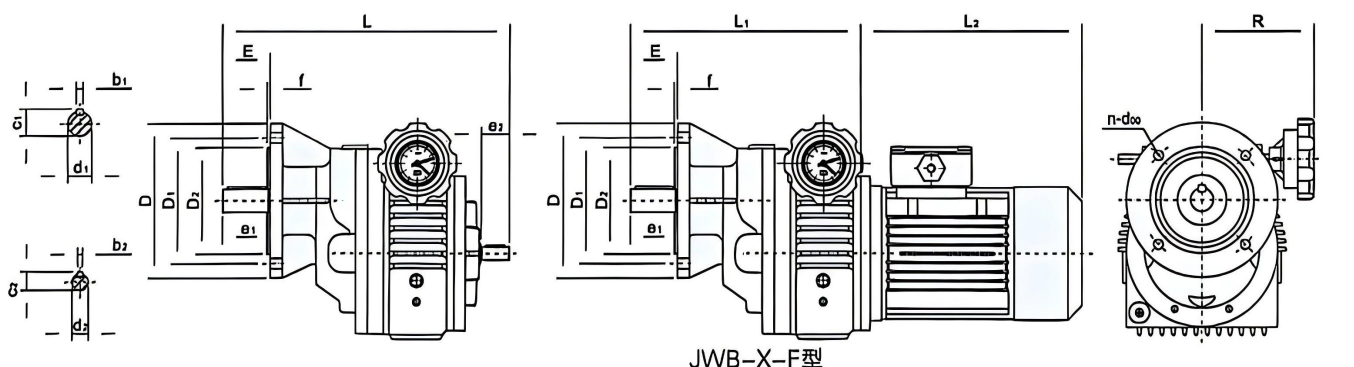
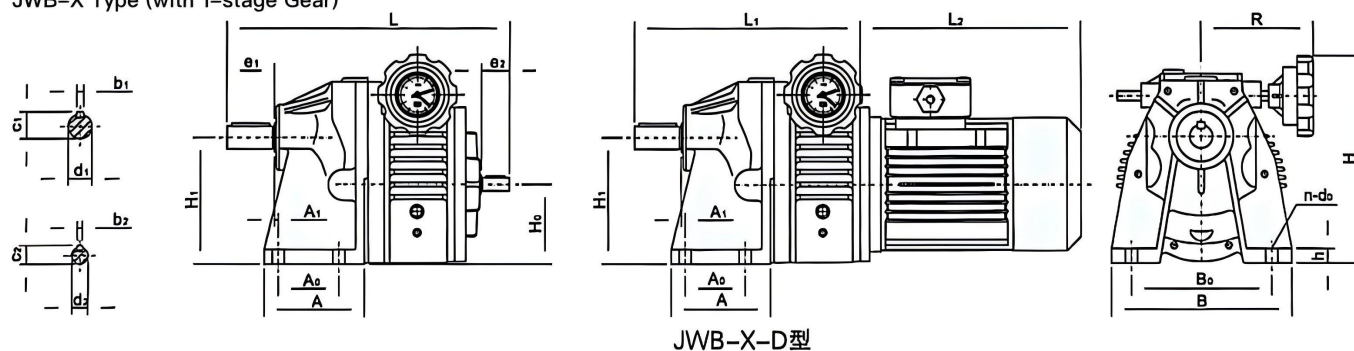


# Vertical with 1-stage Gear Type (MBL-C Type、MBLY-C Type)



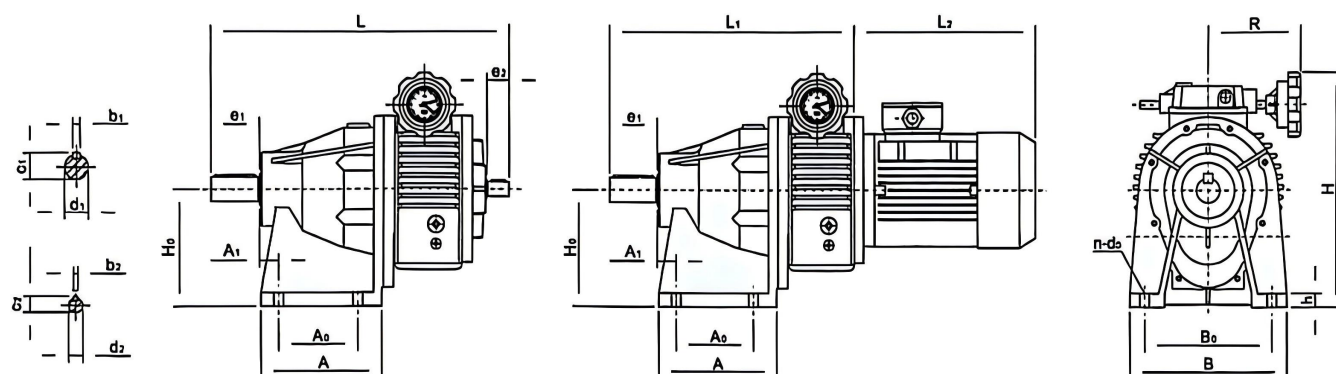
| model | installation dimensions |                |     |     |   |                | output shaft      |                |                |                | input shaft       |                |                |                | Overall dimensions |     |     |     |                |                |
|-------|-------------------------|----------------|-----|-----|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|-----|----------------|----------------|
|       | D <sub>1</sub>          | D <sub>2</sub> | E   | f   | n | d <sub>0</sub> | d <sub>1js6</sub> | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2js6</sub> | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | D                  | H   | R   | L   | L <sub>1</sub> | L <sub>2</sub> |
| 02    | 130                     | 110            | 30  | 3.5 | 4 | 10             | 20                | 6              | 22.5           | 30             | 14                | 5              | 16             | 25             | 160                | 203 | 105 | 259 | 193            | see last page  |
| 04    | 130                     | 110            | 30  | 3.5 | 4 | 10             | 20                | 6              | 22.5           | 30             | 14                | 5              | 16             | 30             | 160                | 228 | 118 | 274 | 198            |                |
| 07    | 165                     | 130            | 35  | 3.5 | 4 | 12             | 28                | 8              | 31             | 35             | 19                | 6              | 21.5           | 30             | 200                | 258 | 126 | 300 | 237            |                |
| 15    | 165                     | 130            | 45  | 4   | 4 | 12             | 30                | 8              | 33             | 45             | 24                | 8              | 27             | 40             | 200                | 286 | 135 | 360 | 269            |                |
| 22/40 | 215                     | 180            | 60  | 4   | 4 | 15             | 40                | 12             | 43             | 60             | 24                | 8              | 27             | 50             | 250                | 351 | 166 | 457 | 339            |                |
| 55/75 | 265                     | 230            | 82  | 5   | 4 | 15             | 50                | 14             | 53.5           | 82             | 32                | 10             | 35             | 60             | 300                | 460 | 194 | 567 | 459            |                |
| 150   | 400                     | 350            | 105 | 5   | 8 | 17             | 63                | 18             | 67             | 105            | 40                | 12             | 43             | 82             | 450                | 603 | 265 | 757 | 621            |                |

## JWB-X Type (with 1-stage Gear)



| model            | center height  |                | installation dimensions |                |                |    |   |                |                 |                |                |    |   | output shaft      |                |                |                | input shaft       |                |                |                | Overall dimensions |     |     |     |     |     |                |                |
|------------------|----------------|----------------|-------------------------|----------------|----------------|----|---|----------------|-----------------|----------------|----------------|----|---|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|-----|-----|-----|----------------|----------------|
|                  | H <sub>0</sub> | H <sub>1</sub> | A <sub>1</sub>          | A <sub>0</sub> | B <sub>0</sub> | h  | n | d <sub>0</sub> | d <sub>00</sub> | D <sub>1</sub> | D <sub>2</sub> | E  | f | d <sub>1js6</sub> | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2js6</sub> | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | A                  | B   | D   | H   | R   | L   | L <sub>1</sub> | L <sub>2</sub> |
| 0.37Kw           | 79             | 130            | 6                       | 70             | 150            | 16 | 4 | 12             | 12              | 130            | 110            | 28 | 4 | 24                | 8              | 27             | 50             | 14                | 5              | 16             | 30             | 105                | 190 | 160 | 211 | 118 | 319 | 244            | see last page  |
| 0.55Kw<br>0.75Kw | 100            | 160            | 7                       | 70             | 165            | 16 | 4 | 12             | 12              | 165            | 130            | 32 | 4 | 28                | 8              | 31             | 50             | 19                | 6              | 21.5           | 30             | 130                | 210 | 200 | 253 | 126 | 335 | 271            |                |
| 1.1Kw<br>1.5Kw   | 130            | 195            | 0                       | 85             | 196            | 17 | 4 | 14             | 15              | 215            | 180            | 70 | 5 | 38                | 10             | 41             | 70             | 24                | 8              | 27             | 40             | 155                | 240 | 250 | 296 | 135 | 416 | 324            |                |

# Horizontal with 2-stage Gear Type (MBW-2C Type、MBWY-2C Type)

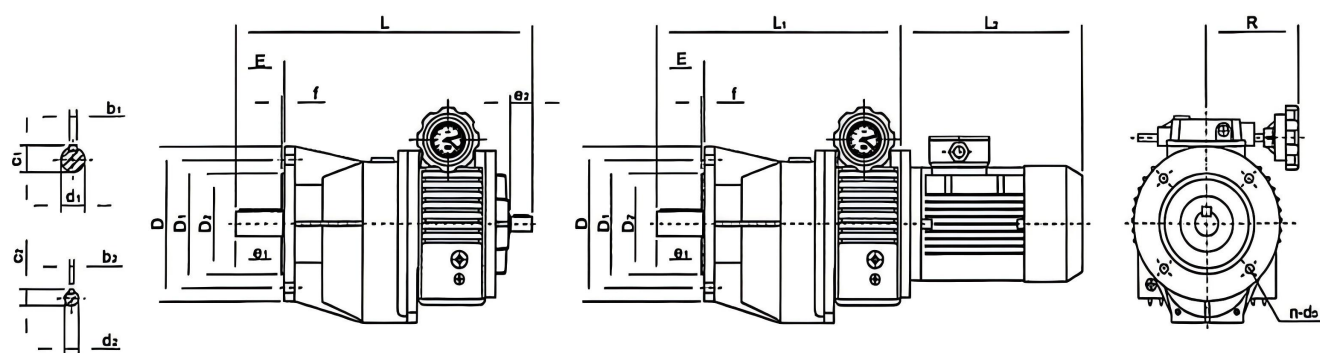


MBW-2C型

MBWY-2C型

| model    | center height  | installation dimensions |                |                |    |   |                | output shaft      |                |                |                | input shaft       |                |                |                | Overall dimensions |     |     |     |     |                |                     |  |
|----------|----------------|-------------------------|----------------|----------------|----|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|-----|-----|----------------|---------------------|--|
|          | H <sub>0</sub> | A <sub>1</sub>          | A <sub>0</sub> | B <sub>0</sub> | h  | n | d <sub>0</sub> | d <sub>1js6</sub> | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2js6</sub> | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | A                  | B   | H   | R   | L   | L <sub>1</sub> | L <sub>2</sub>      |  |
| 02       | 110            | 22                      | 85             | 150            | 13 | 4 | 10             | 28                | 8              | 31             | 55             | 14                | 5              | 16             | 25             | 143                | 190 | 240 | 105 | 346 | 280            | see<br>last<br>page |  |
| 04       | 110            | 22                      | 85             | 150            | 13 | 4 | 10             | 28                | 8              | 31             | 55             | 14                | 5              | 16             | 30             | 143                | 190 | 242 | 118 | 370 | 293            |                     |  |
| 07       | 152            | 25                      | 106            | 174            | 16 | 4 | 13             | 32                | 10             | 35             | 65             | 19                | 6              | 21.5           | 30             | 162                | 215 | 305 | 126 | 401 | 337            |                     |  |
| 15       | 172            | 28                      | 130            | 200            | 18 | 4 | 14             | 38                | 10             | 41             | 70             | 24                | 8              | 27             | 40             | 183                | 250 | 338 | 135 | 472 | 380            |                     |  |
| 22<br>40 | 235            | 43                      | 180            | 250            | 22 | 4 | 18             | 55                | 16             | 59             | 110            | 24                | 8              | 27             | 50             | 266                | 320 | 442 | 166 | 676 | 558            |                     |  |
| 55<br>75 | 280            | 48                      | 250            | 300            | 27 | 4 | 21             | 70                | 20             | 74.5           | 140            | 32                | 10             | 35             | 60             | 344                | 380 | 560 | 194 | 701 | 593            |                     |  |

# Vertical with 2-stage Gear Type (MBL-2C Type、MBLY-2C Type)

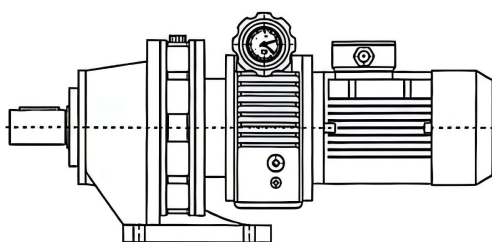


MBL-2C型

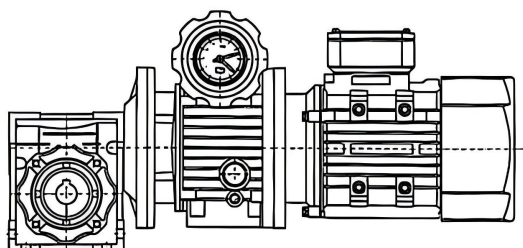
MBLY-2C型

| model    | installation dimensions |                |     |   |   |                | output shaft      |                |                |                | input shaft       |                |                |                | Overall dimensions |     |     |                |                |
|----------|-------------------------|----------------|-----|---|---|----------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|--------------------|-----|-----|----------------|----------------|
|          | D <sub>1</sub>          | D <sub>2</sub> | E   | f | n | d <sub>0</sub> | d <sub>1js6</sub> | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | d <sub>2js6</sub> | b <sub>2</sub> | c <sub>2</sub> | e <sub>2</sub> | D                  | R   | L   | L <sub>1</sub> | L <sub>2</sub> |
| 02       | 130                     | 110            | 65  | 4 | 4 | 11             | 28                | 8              | 31             | 55             | 14                | 5              | 16             | 25             | 160                | 105 | 346 | 280            | see last page  |
| 04       | 130                     | 110            | 65  | 4 | 4 | 11             | 28                | 8              | 31             | 55             | 14                | 5              | 16             | 30             | 160                | 118 | 370 | 293            |                |
| 07       | 165                     | 130            | 65  | 4 | 4 | 13             | 32                | 10             | 35             | 65             | 19                | 6              | 21.5           | 30             | 200                | 126 | 401 | 337            |                |
| 15       | 215                     | 180            | 70  | 5 | 4 | 15             | 38                | 10             | 41             | 70             | 24                | 8              | 27             | 40             | 250                | 135 | 472 | 380            |                |
| 22<br>40 | 265                     | 215            | 110 | 5 | 4 | 15             | 55                | 16             | 59             | 110            | 24                | 8              | 27             | 50             | 300                | 166 | 676 | 558            |                |
| 55<br>75 | 300                     | 250            | 140 | 5 | 4 | 18             | 70                | 20             | 74.5           | 140            | 32                | 10             | 35             | 60             | 350                | 194 | 701 | 593            |                |

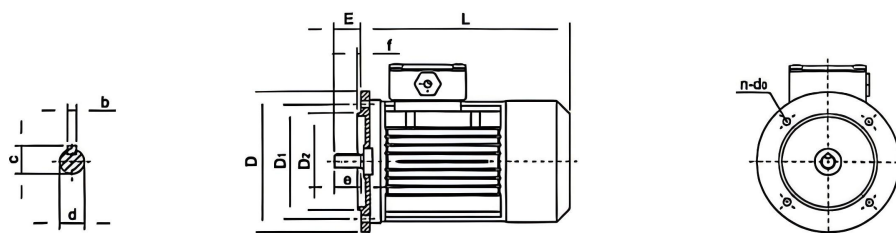
MB series continuously variable transmission combined with cycloidal pinwheel reducer



MB series continuously variable transmission combined with RV series worm reducer



## B5 Motor Overall dimensions



| motor power<br>KW | frame size | installation dimensions |                |     |     |   |                | shaft size |    |      |     | Overall dimensions |     |
|-------------------|------------|-------------------------|----------------|-----|-----|---|----------------|------------|----|------|-----|--------------------|-----|
|                   |            | D <sub>1</sub>          | D <sub>2</sub> | E   | f   | n | d <sub>0</sub> | d          | b  | c    | e   | D                  | L   |
| 0.18kw            | 632-4      | 115                     | 95             | 23  | 3.5 | 4 | 10             | 11         | 4  | 12.5 | 23  | 140                | 207 |
| 0.37kw            | 712-4      | 130                     | 110            | 30  | 3.5 | 4 | 10             | 14         | 5  | 16   | 30  | 160                | 225 |
| 0.55kw            | 801-4      | 165                     | 130            | 40  | 3.5 | 4 | 12             | 19         | 6  | 21.5 | 40  | 200                | 255 |
| 0.75kw            | 802-4      | 165                     | 130            | 40  | 3.5 | 4 | 12             | 19         | 6  | 21.5 | 40  | 200                | 255 |
| 1.1kw             | 90S-4      | 165                     | 130            | 50  | 3.5 | 4 | 12             | 24         | 8  | 27   | 50  | 200                | 270 |
| 1.5kw             | 90L-4      | 165                     | 130            | 50  | 3.5 | 4 | 12             | 24         | 8  | 27   | 50  | 200                | 295 |
| 2.2kw             | 100L1-4    | 215                     | 180            | 60  | 4   | 4 | 15             | 28         | 8  | 31   | 60  | 250                | 325 |
| 3kw               | 100L2-4    | 215                     | 180            | 60  | 4   | 4 | 15             | 28         | 8  | 31   | 60  | 250                | 325 |
| 4kw               | 112M-4     | 215                     | 180            | 60  | 4   | 4 | 15             | 28         | 8  | 31   | 60  | 250                | 345 |
| 5.5kw             | 132S-4     | 265                     | 230            | 80  | 4   | 4 | 15             | 38         | 10 | 41   | 80  | 300                | 390 |
| 7.5kw             | 132M-4     | 265                     | 230            | 80  | 4   | 4 | 15             | 38         | 10 | 41   | 80  | 300                | 430 |
| 11kw              | 160M-4     | 300                     | 260            | 110 | 5   | 4 | 19             | 42         | 12 | 45   | 110 | 350                | 505 |
| 15kw              | 160L-4     | 300                     | 260            | 110 | 5   | 4 | 19             | 42         | 12 | 45   | 110 | 350                | 560 |





## Hangzhou GT Rail Traffic Equipment Co., Ltd

Address: No.21 Jinfeng 3rd Road, Yipeng Street, Qiantang District, Hangzhou City, Zhejiang Province, China.

Web: [www.ivhdrive.com](http://www.ivhdrive.com) <http://ivhdrive.en.alibaba.com>

Email: [info@ivhdrive.com](mailto:info@ivhdrive.com) [william@ivhdrive.com](mailto:william@ivhdrive.com)

Mob: +86 187 5820 4915

**Professional Industry-Trade Integration.**

**Equipment And Integrated Solution Provider.**

**Integrity, Focus, Innovation.**

