

# X.B系列摆线针轮减速机



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## 前言 Preface

摆线针轮减速机是采用行星传动原理及摆线针轮啮合的新颖传动机械。该减速机可以广泛应用于各种机械传动中的减速机，如纺织、印染、轻工、食品、冶金、矿山、石油、化工、起重运输及工程机械等领域中的驱动和减速装置。

Cycloidal reducer is new kind of gearing machine which is based on the theory of planetary and cycloid pin gearing. This machine can be applied widely in all sorts of mechanical drives/reducers, for example: spinning machine, printing machine, food machine, metallurgy machine, mining machine, petroleum machine, chemical industry machine, engineering machine, transportor machine and so on.

## 机型号选择 Frame size select

1、单级减速机型号规格选择表 Single stage reducer selection table of frame size

| 机型号<br>Frame size        | X     | 1                     | 2   | 3    | 4    | 5   | 6   | 7    | 8     | 9   | 10     | 11 | 输出转速<br>Output speed (r/min) |       |       |
|--------------------------|-------|-----------------------|-----|------|------|-----|-----|------|-------|-----|--------|----|------------------------------|-------|-------|
|                          | B     | 10A                   | 10  | 11   | 12   | 13  | 14  | 14A  | 15    | 16  | 17     | 18 |                              |       |       |
| 减速比 Drive ratio          |       | 输入功率 Input power (KW) |     |      |      |     |     |      |       |     |        |    |                              |       |       |
| 9                        | 0.75  | 0.75                  | 1.5 | 4    | 7.5  | 11  | -   | -    | -     | -   | -      | 55 | 167/111                      |       |       |
| 11                       |       |                       |     |      |      |     | 15  | 18.5 | 22    | 45  | 136/91 |    |                              |       |       |
| 17                       |       |                       |     | 11   | 18.5 |     | 22  | 40   | 88/59 |     |        |    |                              |       |       |
| 23                       |       |                       |     |      |      |     |     | 3    |       | 5.5 |        |    | 37                           | 60/40 |       |
| 29                       | 0.55  | 0.55                  | 1.1 | 2.2  | 4    | 7.5 | 15  | 18.5 | 37    | 45  | 52/35  |    |                              |       |       |
| 35                       |       |                       |     | 1.5  | 3    | 5.5 | 15  | 30   | 43/29 |     |        |    |                              |       |       |
| 43                       | 0.37  |                       |     | 0.37 | 0.75 | 1.1 | 2.2 | 4    | 5.5   |     | 7.5    | 11 | 22                           | 30    | 35/23 |
| 47                       |       |                       |     |      |      |     |     |      |       |     |        |    |                              |       | 32/21 |
| 59                       | 0.25  | -                     | -   | -    | 0.75 | 1.5 | 3   | 4    | 7.5   | 7.5 | 18.5   | 22 | 25/17                        |       |       |
| 71                       | 21/14 |                       |     |      |      |     |     |      |       |     |        |    |                              |       |       |
| 87                       | 17/12 |                       |     |      |      |     |     |      |       |     |        |    |                              |       |       |
| 输入转速 Input speed (r/min) |       | 1500                  |     |      |      |     |     |      |       |     | 1000   |    |                              |       |       |

2、双级减速机型号规格选择表 Double stage reducer selection table of frame size

| 机型号<br>Frame size        | X    | 31                    | 42   | 53   | 63   | 74   | 84  | 85  | 95  | 106 | 117  | 输出转速<br>Output speed (r/min) |      |     |     |
|--------------------------|------|-----------------------|------|------|------|------|-----|-----|-----|-----|------|------------------------------|------|-----|-----|
|                          | B    | 110A                  | 120A | 131A | 141A | 142A | 152 | 153 | 163 | 174 | 184  |                              |      |     |     |
| 减速比 Drive ratio          |      | 输入功率 Input power (KW) |      |      |      |      |     |     |     |     |      |                              |      |     |     |
| 121(11×11)               | 0.75 | 1.1                   | 1.5  | 1.5  | 3    | 3    | 5.5 | 5.5 | 11  | 11  | 12.4 |                              |      |     |     |
| 187(17×11)               |      | 0.75                  | 1.1  |      |      |      | 4   |     | 8.0 |     |      |                              |      |     |     |
| 289(17×17)               |      | 0.55                  | 0.55 | 0.75 | 1.1  | 2.2  | 2.2 | 3   | 4   | 7.5 | 7.5  | 5.2                          |      |     |     |
| 319(29×11)               | 0.37 | 0.37                  | 0.55 | 2.2  |      |      |     | 3   | 5.5 | 5.5 | 4.7  |                              |      |     |     |
| 473(43×11)               | 0.25 |                       |      |      | 0.75 | 1.5  | 1.5 |     |     |     | 2.2  | 2.2                          | 3.2  |     |     |
| 595(35×17)               | 0.18 | 0.25                  | 0.37 | 0.75 | 1.1  | 1.1  | 1.5 | 1.5 | 2.2 | 2.2 | 4    | 4                            | 2.0  |     |     |
| 731(43×17)               |      |                       |      |      |      |      |     |     |     |     |      |                              | 0.55 | 1.5 | 1.5 |
| 841(29×29)               |      |                       |      | 0.37 | 0.75 | 0.75 | 1.1 | 1.1 | 1.5 | 1.5 | 2.2  | 2.2                          | 3    | 3   | 1.5 |
| 1003(59×17)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 1.2 |
| 1225(35×35)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 1.0 |
| 1505(43×35)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 0.8 |
| 1849(43×43)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 0.7 |
| 2065(59×35)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 0.6 |
| 2537(59×43)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 0.4 |
| 3481(59×59)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     | 0.2 |
| 5133(87×59)              |      |                       |      |      |      |      |     |     |     |     |      |                              |      |     |     |
| 输入转速 Input speed (r/min) |      | 1500                  |      |      |      |      |     |     |     |     |      |                              |      |     |     |

**XB**



X、B系列选型指南  
X、B series guidelines for the selection

型号和规格 Frame size

型号表示方法 Frame size implication:



示例 Example:



X、B系列选型指南  
X、B series guidelines for the selection

安装结构形式及安装方位代号

Installation structure format code

| W-卧式安装<br>W-Horizontal installation                 | 脚板式左侧装<br>Baseboard type install on nearside          | 脚板式右侧装<br>Baseboard type install on starside |
|-----------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
| <br>B3                                              | <br>B6                                                | <br>B7                                       |
| 脚板式出轴向上侧装<br>Baseboard type spindle install upwards | 脚板式出轴向下侧装<br>Baseboard type spindle install downwards | L-立式安装<br>L-Step installation                |
| <br>V6                                              | <br>V5                                                | <br>V1                                       |
| 脚板式仰装<br>Baseboard backstroke installation          | 法兰式水平装<br>Flanged horizontal installation             | 法兰式倒装<br>Flanged converse step installation  |
| <br>B8                                              | <br>B5                                                | <br>V3                                       |

注: 用户如需配置特殊动力源或采用特殊结构安装形式, 请与我技术部门联系, 并在合同中加以说明。  
Note: If users need special source of power or in stallation, please contact with our technology department and note it in the contract.

减速机输出许用扭矩表

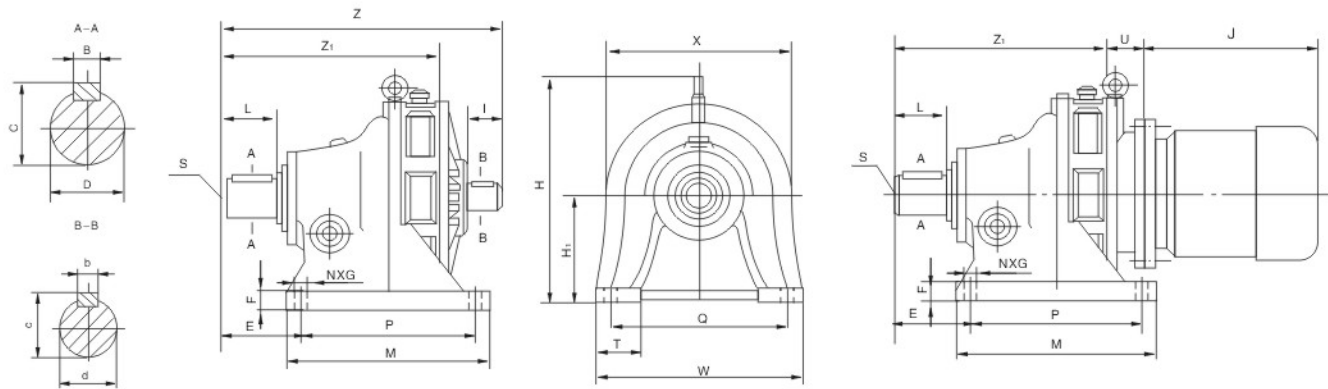
Reducer maximal output torque size

| 单级减速机型号<br>Single stage cycloidal<br>reducer frame size | X1   | X2    | X3    | X4   | X5   | X6    | X7   | X8   | X9   | X10   | X11   |
|---------------------------------------------------------|------|-------|-------|------|------|-------|------|------|------|-------|-------|
|                                                         | B10A | B10   | B11   | B12  | B13  | B14   | B14A | B15  | B16  | B17   | B18   |
| 许用扭矩 N.m<br>Maximal output torque (N.m)                 | 100  | 150   | 250   | 500  | 1000 | 2000  | 2700 | 4500 | 7100 | 12000 | 20000 |
| 双级减速机型号<br>Double stage cycloidal<br>reducer frame size |      | X31   | X42   | X53  | X63  | X74   | X84  | X85  | X95  | X106  | X117  |
|                                                         |      | B110A | B120A | B131 | B141 | B142A | B152 | B153 | B163 | B174  | B184  |
| 许用扭矩 N.m<br>Maximal output torque (N.m)                 |      | 250   | 500   | 1000 | 2000 | 2700  | 4500 | 5000 | 7100 | 12000 | 20000 |



X、B系列外形安装尺寸  
X、B series mounting dimension sheets—overview

外形、安装和联接尺寸  
Contour and mounting dimension



单级卧式摆线针轮减速机  
Single stage foot mount cycloidal reducer

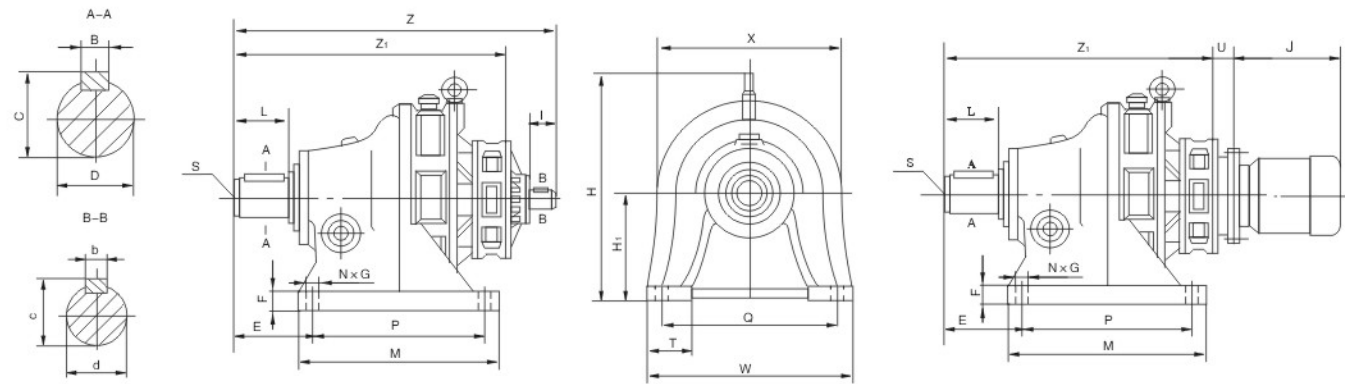
| 型式 Shape    |                 | XW、XWY、XWD、BW、BWY、BWD |     |     |     |     |                |     |    |       |     |     |     |      |    |      |     | XW、BW |    |      |    |     |      |                      |
|-------------|-----------------|-----------------------|-----|-----|-----|-----|----------------|-----|----|-------|-----|-----|-----|------|----|------|-----|-------|----|------|----|-----|------|----------------------|
| 型号<br>Model | 尺寸<br>Dimension | Z <sub>1</sub>        | M   | W   | H   | X   | H <sub>1</sub> | E   | F  | P     | Q   | S   | T   | N×G  | B  | C    | D   | L     | b  | c    | d  | l   | z    | 重量<br>Weight<br>(kg) |
|             |                 |                       |     |     |     |     |                |     |    |       |     |     |     |      |    |      |     |       |    |      |    |     |      |                      |
| X           | 1               | 141                   | 120 | 180 | 175 | 150 | 100            | 60  | 12 | 90    | 150 | M8  | 40  | 4×12 | 6  | 20.5 | 18  | 35    | 5  | 17   | 15 | 25  | 202  | 8                    |
| B           | 10A             | 142                   | 100 | 144 | 160 | 140 | 80             | 47  | 12 | 76    | 120 | M8  | 35  | 4×11 | 6  | 24.5 | 22  | 30    | 5  | 17   | 15 | 25  | 192  | 8.5                  |
| X           | 2               | 164                   | 120 | 210 | 190 | 168 | 100            | 101 | 15 | 90    | 180 | M8  | 45  | 4×12 | 8  | 28   | 25  | 35    | 5  | 17   | 15 | 22  | 212  | 12                   |
| B           | 10              | 164                   | 120 | 185 | 190 | 168 | 100            | 93  | 15 | 90    | 150 | M8  | 35  | 4×11 | 8  | 33   | 30  | 35    | 5  | 17   | 15 | 22  | 215  | 11                   |
| X           | 3               | 201                   | 150 | 290 | 281 | 210 | 140            | 151 | 20 | 100   | 250 | M10 | 55  | 4×16 | 10 | 38   | 35  | 55    | 6  | 20.5 | 18 | 30  | 262  | 25                   |
| B           | 11              | 195                   | 160 | 280 | 220 | 200 | 120            | 125 | 15 | 110   | 240 | M10 | 55  | 4×13 | 10 | 38   | 35  | 56    | 6  | 20.5 | 18 | 35  | 263  | 24                   |
| X           | 4               | 247                   | 200 | 330 | 306 | 240 | 150            | 166 | 22 | 145   | 290 | M10 | 65  | 4×16 | 14 | 48.5 | 45  | 71    | 6  | 24.5 | 22 | 40  | 321  | 40                   |
| B           | 12              | 247                   | 200 | 320 | 296 | 240 | 140            | 144 | 20 | 150   | 280 | M10 | 60  | 4×13 | 14 | 48.5 | 45  | 71    | 6  | 24.5 | 22 | 40  | 322  | 40                   |
| X           | 5               | 308                   | 260 | 410 | 355 | 300 | 160            | 206 | 25 | 150   | 370 | M10 | 75  | 4×16 | 16 | 59   | 55  | 91    | 8  | 33   | 30 | 45  | 394  | 82                   |
| B           | 13              | 294                   | 250 | 390 | 355 | 300 | 160            | 158 | 25 | 200   | 340 | M10 | 75  | 4×17 | 16 | 59   | 55  | 80    | 8  | 33   | 30 | 55  | 390  | 80                   |
| X           | 6               | 352                   | 335 | 430 | 423 | 350 | 200            | 123 | 30 | 275   | 380 | M12 | 64  | 4×22 | 18 | 69   | 65  | 87    | 10 | 38   | 35 | 54  | 449  | 123                  |
| B           | 14              | 360                   | 380 | 400 | 430 | 350 | 200            | 155 | 25 | 320   | 340 | M12 | 80  | 4×22 | 20 | 74.5 | 70  | 102   | 10 | 38   | 35 | 60  | 463  | 125                  |
| X           | 7               | 389                   | 380 | 470 | 452 | 393 | 220            | 145 | 30 | 320   | 420 | M12 | 73  | 4×22 | 22 | 85   | 80  | 110   | 12 | 43   | 40 | 65  | 527  | 166                  |
| B           | 14A             | 389                   | 380 | 470 | 452 | 393 | 220            | 145 | 30 | 320   | 420 | M12 | 73  | 4×22 | 22 | 85   | 80  | 110   | 12 | 43   | 40 | 65  | 527  | 166                  |
| X           | 8               | 456                   | 440 | 530 | 534 | 440 | 250            | 155 | 35 | 380   | 480 | M16 | 90  | 4×22 | 25 | 95   | 90  | 120   | 14 | 48.5 | 45 | 70  | 604  | 220                  |
| B           | 15              | 430                   | 440 | 470 | 513 | 440 | 240            | 159 | 32 | 380   | 420 | M16 | 80  | 4×22 | 25 | 95   | 90  | 120   | 14 | 48.5 | 45 | 70  | 578  | 213                  |
| X           | 9               | 557                   | 560 | 620 | 619 | 540 | 290            | 187 | 40 | 480   | 560 | M20 | 100 | 4×26 | 28 | 106  | 100 | 142   | 14 | 53.5 | 50 | 80  | 734  | 400                  |
| B           | 16              | 556                   | 560 | 620 | 619 | 540 | 290            | 210 | 40 | 480   | 560 | M20 | 90  | 4×28 | 28 | 106  | 100 | 165   | 14 | 53.5 | 50 | 82  | 736  | 400                  |
| X           | 10              | 591                   | 600 | 690 | 701 | 599 | 325            | 225 | 40 | 250×2 | 630 | M24 | 100 | 6×26 | 28 | 116  | 110 | 145   | 16 | 59   | 55 | 90  | 786  | 550                  |
| B           | 17              | 656                   | 600 | 690 | 701 | 599 | 325            | 290 | 40 | 250×2 | 630 | M24 | 100 | 6×26 | 32 | 127  | 120 | 210   | 16 | 59   | 55 | 90  | 851  | 560                  |
| X           | 11              | 805                   | 810 | 880 | 883 | 760 | 420            | 324 | 50 | 330×2 | 800 | M30 | 143 | 6×39 | 32 | 137  | 130 | 202   | 20 | 74.5 | 70 | 120 | 1062 | 1140                 |
| B           | 18              | 852                   | 810 | 880 | 883 | 760 | 420            | 372 | 50 | 330×2 | 800 | M30 | 143 | 6×39 | 36 | 148  | 140 | 250   | 20 | 74.5 | 70 | 120 | 1110 | 1150                 |

注：U、J尺寸见第232页电机尺寸一览表。 Note: U、J dimension can be see machinery dimension table on P232.



X、B系列外形安装尺寸  
X、B series mounting dimension sheets—overview

外形、安装和联接尺寸  
Contour and mounting dimension



双级卧式摆线针轮减速机  
Double stage foot mount cycloidal reducer

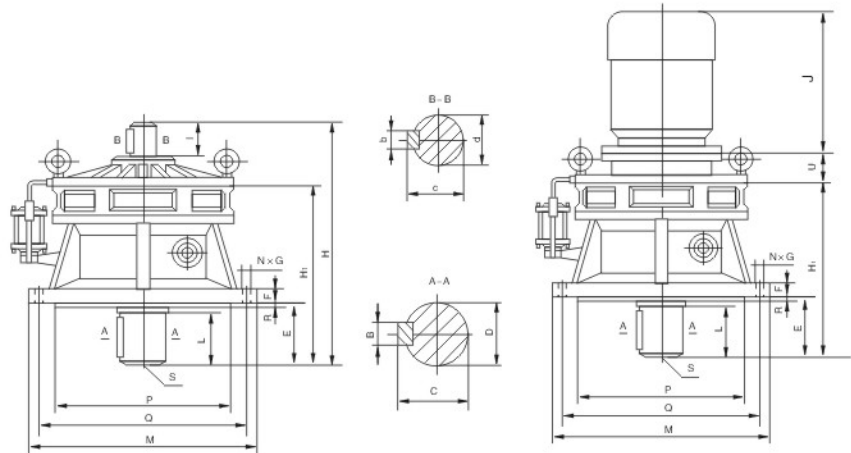
| 型式 Shape    |                 | XWE、XWEY、XWED、BWE、BWEY、BWED |     |     |     |     |                |     |    |       |     |     |     |      |    |      |     |     | XWE、BWE |      |    |    |      |                      |
|-------------|-----------------|-----------------------------|-----|-----|-----|-----|----------------|-----|----|-------|-----|-----|-----|------|----|------|-----|-----|---------|------|----|----|------|----------------------|
| 型号<br>Model | 尺寸<br>Dimension | Z <sub>1</sub>              | M   | W   | H   | X   | H <sub>1</sub> | E   | F  | P     | Q   | S   | T   | N×G  | B  | C    | D   | L   | b       | c    | d  | l  | z    | 重量<br>Weight<br>(kg) |
|             |                 |                             |     |     |     |     |                |     |    |       |     |     |     |      |    |      |     |     |         |      |    |    |      |                      |
| X           | 31              | 258                         | 150 | 290 | 240 | 200 | 140            | 151 | 20 | 100   | 250 | M8  | 55  | 4×16 | 10 | 38   | 35  | 57  | 5       | 17   | 15 | 25 | 310  | 37                   |
| B           | 110A            | 271                         | 160 | 250 | 261 | 210 | 120            | 119 | 18 | 120   | 210 | M10 | 50  | 4×15 | 10 | 38   | 35  | 56  | 5       | 17   | 15 | 25 | 322  | 30                   |
| X           | 42              | 323                         | 200 | 330 | 306 | 240 | 150            | 166 | 22 | 145   | 290 | M10 | 65  | 4×16 | 14 | 48.5 | 45  | 75  | 5       | 17   | 15 | 22 | 371  | 45                   |
| B           | 120A            | 323                         | 200 | 320 | 296 | 240 | 140            | 144 | 20 | 150   | 280 | M10 | 60  | 4×13 | 14 | 48.5 | 45  | 71  | 5       | 17   | 15 | 25 | 373  | 45                   |
| X           | 53              | 406                         | 260 | 410 | 355 | 300 | 160            | 206 | 25 | 150   | 370 | M10 | 75  | 4×16 | 16 | 59   | 55  | 91  | 6       | 20.5 | 18 | 30 | 513  | 98                   |
| B           | 130A            | 372                         | 250 | 390 | 355 | 300 | 160            | 158 | 25 | 200   | 340 | M10 | 75  | 4×17 | 16 | 59   | 55  | 80  | 5       | 17   | 15 | 25 | 423  | 86                   |
| B           | 131A            | 392                         | 250 | 390 | 355 | 300 | 160            | 158 | 25 | 200   | 340 | M10 | 75  | 4×17 | 16 | 59   | 55  | 80  | 6       | 22.5 | 20 | 30 | 453  | 100                  |
| X           | 63              | 452                         | 335 | 430 | 423 | 350 | 200            | 123 | 30 | 275   | 380 | M12 | 64  | 4×22 | 18 | 69   | 65  | 87  | 5       | 20.5 | 18 | 30 | 513  | 133                  |
| B           | 141A            | 460                         | 380 | 400 | 430 | 350 | 200            | 155 | 25 | 320   | 340 | M12 | 80  | 4×22 | 20 | 74.5 | 70  | 102 | 6       | 22.5 | 20 | 30 | 521  | 136                  |
| X           | 74              | 504                         | 380 | 470 | 452 | 370 | 220            | 145 | 30 | 320   | 420 | M12 | 73  | 4×22 | 22 | 85   | 80  | 110 | 6       | 24.5 | 22 | 40 | 578  | 186                  |
| B           | 142A            | 504                         | 380 | 470 | 452 | 370 | 220            | 145 | 30 | 320   | 420 | M12 | 73  | 4×22 | 22 | 85   | 80  | 110 | 6       | 24.5 | 22 | 40 | 578  | 186                  |
| X           | 84              | 568                         | 440 | 530 | 534 | 420 | 250            | 155 | 35 | 380   | 480 | M16 | 90  | 4×22 | 25 | 95   | 90  | 120 | 6       | 24.5 | 22 | 40 | 643  | 245                  |
| B           | 152             | 542                         | 440 | 470 | 513 | 420 | 240            | 159 | 32 | 380   | 420 | M16 | 80  | 4×22 | 25 | 95   | 90  | 120 | 6       | 24.5 | 22 | 40 | 616  | 245                  |
| X           | 85              | 588                         | 440 | 530 | 534 | 420 | 250            | 155 | 35 | 380   | 480 | M16 | 90  | 4×22 | 25 | 95   | 90  | 120 | 8       | 33   | 30 | 45 | 674  | 255                  |
| B           | 153             | 562                         | 440 | 470 | 513 | 420 | 240            | 159 | 32 | 380   | 420 | M16 | 80  | 4×22 | 25 | 95   | 90  | 120 | 8       | 33   | 30 | 55 | 658  | 270                  |
| X           | 95              | 686                         | 560 | 620 | 619 | 510 | 290            | 187 | 40 | 480   | 560 | M20 | 100 | 4×26 | 28 | 106  | 100 | 140 | 8       | 33   | 30 | 45 | 772  | 435                  |
| B           | 162             | 671                         | 560 | 620 | 619 | 510 | 290            | 210 | 40 | 480   | 560 | M20 | 90  | 4×28 | 28 | 106  | 100 | 165 | 6       | 24.5 | 22 | 40 | 745  | 415                  |
| B           | 163             | 685                         | 560 | 620 | 619 | 510 | 290            | 210 | 40 | 480   | 560 | M20 | 90  | 4×28 | 28 | 106  | 100 | 165 | 8       | 33   | 30 | 55 | 781  | 435                  |
| X           | 106             | 757                         | 600 | 690 | 701 | 570 | 325            | 225 | 40 | 250×2 | 630 | M24 | 100 | 6×26 | 28 | 116  | 110 | 150 | 10      | 38   | 35 | 54 | 854  | 590                  |
| B           | 174             | 822                         | 600 | 690 | 701 | 599 | 325            | 290 | 40 | 250×2 | 630 | M24 | 100 | 6×26 | 32 | 127  | 120 | 210 | 10      | 38   | 35 | 60 | 925  | 580                  |
| X           | 117             | 973                         | 810 | 880 | 883 | 720 | 420            | 324 | 50 | 330×2 | 800 | M30 | 143 | 6×39 | 32 | 137  | 130 | 202 | 12      | 43   | 40 | 65 | 1111 | 1210                 |
| B           | 184             | 1021                        | 810 | 880 | 883 | 760 | 420            | 372 | 50 | 330×2 | 800 | M30 | 143 | 6×39 | 36 | 148  | 140 | 250 | 12      | 43   | 40 | 65 | 1159 | 1230                 |

注：U、J尺寸见第232页电机尺寸一览表。 Note: U、J dimension can be see machinery dimension table on P232.



X、B系列外形安装尺寸  
X、B series mounting dimension sheets—overview

外形、安装和联接尺寸  
Contour and mounting dimension



单级立式摆线针轮减速机  
Single stage flang mount cycloidal reducer

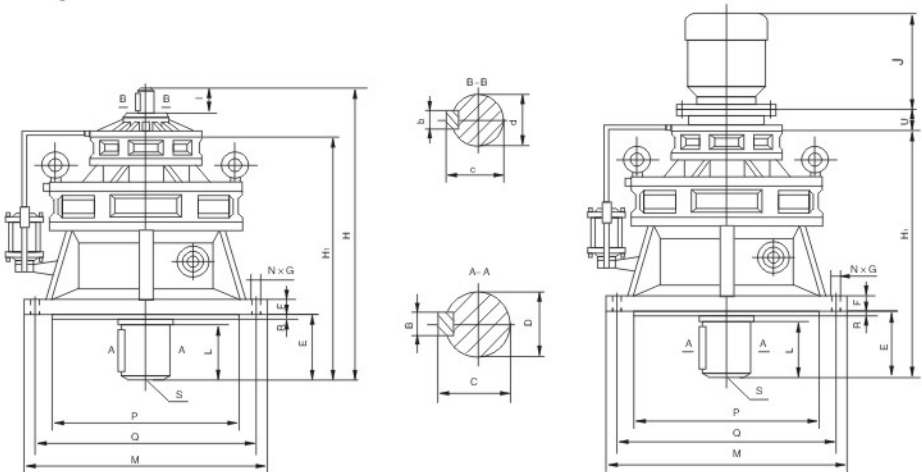
| 型式 Shape        |             | XL、XLY、XLD、BL、BLY、BLD |     |     |    |       |     |     |    |     |    |      |     |     |    | XL、BL |    |     |      |                      |
|-----------------|-------------|-----------------------|-----|-----|----|-------|-----|-----|----|-----|----|------|-----|-----|----|-------|----|-----|------|----------------------|
| 尺寸<br>Dimension | 型号<br>Model | H <sub>1</sub>        | M   | E   | F  | N×G   | P   | Q   | R  | S   | B  | C    | D   | L   | b  | c     | d  | l   | H    | 重量<br>Weight<br>(kg) |
|                 |             |                       |     |     |    |       |     |     |    |     |    |      |     |     |    |       |    |     |      |                      |
| X               | 1           | 141                   | 160 | 48  | 9  | 4×11  | 110 | 134 | 3  | M8  | 8  | 31   | 28  | 35  | 5  | 17    | 15 | 25  | 202  | 8                    |
| B               | 10A         | 142                   | 160 | 35  | 10 | 4×11  | 110 | 134 | 3  | M8  | 6  | 24.5 | 22  | 30  | 5  | 17    | 15 | 25  | 192  | 8                    |
| X               | 2           | 164                   | 180 | 42  | 12 | 6×9   | 130 | 160 | 3  | M8  | 8  | 28   | 25  | 35  | 5  | 17    | 15 | 22  | 212  | 12                   |
| B               | 10          | 164                   | 190 | 40  | 10 | 4×11  | 140 | 160 | 3  | M8  | 8  | 33   | 30  | 35  | 5  | 17    | 15 | 22  | 215  | 10                   |
| X               | 3           | 201                   | 230 | 53  | 14 | 6×11  | 170 | 200 | 4  | M10 | 10 | 38   | 35  | 45  | 6  | 20.5  | 18 | 30  | 262  | 24                   |
| B               | 11          | 195                   | 230 | 60  | 10 | 6×11  | 170 | 200 | 4  | M10 | 10 | 38   | 35  | 47  | 6  | 20.5  | 18 | 35  | 263  | 22                   |
| X               | 4           | 247                   | 260 | 82  | 15 | 6×11  | 200 | 230 | 4  | M10 | 14 | 48.5 | 45  | 63  | 6  | 24.5  | 22 | 40  | 321  | 38                   |
| B               | 12          | 247                   | 260 | 70  | 15 | 6×11  | 200 | 230 | 4  | M10 | 14 | 48.5 | 45  | 61  | 6  | 24.5  | 22 | 40  | 321  | 38                   |
| X               | 5           | 308                   | 340 | 92  | 20 | 6×13  | 270 | 310 | 5  | M10 | 16 | 59   | 55  | 79  | 8  | 33    | 30 | 45  | 394  | 75                   |
| B               | 13          | 294                   | 340 | 80  | 20 | 6×13  | 270 | 310 | 5  | M10 | 16 | 59   | 55  | 75  | 8  | 33    | 30 | 55  | 390  | 75                   |
| X               | 6           | 352                   | 400 | 91  | 22 | 8×15  | 316 | 360 | 5  | M12 | 18 | 69   | 65  | 79  | 10 | 38    | 35 | 54  | 449  | 110                  |
| B               | 14          | 360                   | 400 | 99  | 22 | 8×15  | 320 | 360 | 5  | M12 | 20 | 74.5 | 70  | 92  | 10 | 38    | 35 | 60  | 463  | 113                  |
| X               | 7           | 389                   | 430 | 110 | 22 | 8×18  | 345 | 390 | 5  | M12 | 22 | 85   | 80  | 100 | 12 | 43    | 40 | 65  | 527  | 155                  |
| B               | 14A         | 389                   | 430 | 110 | 22 | 8×18  | 345 | 390 | 5  | M12 | 22 | 85   | 80  | 100 | 12 | 43    | 40 | 65  | 527  | 155                  |
| X               | 8           | 430                   | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 14 | 48.5  | 45 | 70  | 578  | 203                  |
| B               | 15          | 430                   | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 14 | 48.5  | 45 | 70  | 578  | 203                  |
| X               | 9           | 557                   | 580 | 162 | 35 | 12×22 | 455 | 520 | 8  | M20 | 28 | 106  | 100 | 130 | 14 | 53.5  | 50 | 80  | 734  | 380                  |
| B               | 16          | 556                   | 580 | 177 | 35 | 12×24 | 455 | 520 | 8  | M20 | 28 | 106  | 100 | 165 | 14 | 53.5  | 50 | 82  | 736  | 390                  |
| X               | 10          | 591                   | 650 | 182 | 40 | 12×22 | 520 | 590 | 10 | M24 | 28 | 116  | 110 | 140 | 16 | 59    | 55 | 90  | 791  | 515                  |
| B               | 17          | 656                   | 650 | 242 | 40 | 12×22 | 520 | 590 | 10 | M24 | 32 | 127  | 120 | 202 | 16 | 59    | 55 | 90  | 851  | 525                  |
| X               | 11          | 805                   | 880 | 204 | 50 | 12×33 | 680 | 800 | 10 | M30 | 32 | 137  | 130 | 184 | 20 | 74.5  | 70 | 120 | 1062 | 1040                 |
| B               | 18          | 853                   | 880 | 252 | 50 | 12×33 | 680 | 800 | 10 | M30 | 36 | 148  | 140 | 245 | 20 | 74.5  | 70 | 120 | 1110 | 1050                 |

注：U、J尺寸见第232页电机尺寸一览表。 Note: U、J dimension can be see machinery dimension table on P232.

X、B系列外形安装尺寸  
X、B series mounting dimension sheets—overview



外形、安装和联接尺寸  
Contour and mounting dimension



双级立式摆线针轮减速机  
Double stage flang mount cycloidal reducer

| 型式 Shape    |                 | XLE、XLEY、XLED、BLE、BLEY、BLED |     |     |    |       |     |     |    |     |    |      |     |     |    | XLE、BLE |    |    |      |                      |
|-------------|-----------------|-----------------------------|-----|-----|----|-------|-----|-----|----|-----|----|------|-----|-----|----|---------|----|----|------|----------------------|
| 型号<br>Model | 尺寸<br>Dimension | H <sub>1</sub>              | M   | E   | F  | N×G   | P   | Q   | R  | S   | B  | C    | D   | L   | b  | c       | d  | l  | H    | 重量<br>Weight<br>(kg) |
|             |                 |                             |     |     |    |       |     |     |    |     |    |      |     |     |    |         |    |    |      |                      |
| X           | 31              | 258                         | 230 | 50  | 15 | 6×12  | 170 | 200 | 4  | M8  | 10 | 38   | 35  | 45  | 5  | 17      | 15 | 25 | 310  | 35                   |
| B           | 110A            | 271                         | 230 | 53  | 14 | 6×11  | 170 | 200 | 4  | M10 | 10 | 38   | 35  | 45  | 5  | 17      | 15 | 25 | 322  | 29                   |
| X           | 42              | 323                         | 260 | 82  | 15 | 6×11  | 200 | 230 | 4  | M10 | 14 | 48.5 | 45  | 63  | 5  | 17      | 15 | 22 | 371  | 43                   |
| B           | 120A            | 323                         | 260 | 70  | 15 | 6×11  | 200 | 230 | 4  | M10 | 14 | 48.5 | 45  | 61  | 5  | 17      | 15 | 25 | 373  | 43                   |
| X           | 53              | 406                         | 340 | 92  | 20 | 6×13  | 270 | 310 | 5  | M10 | 16 | 59   | 55  | 79  | 6  | 20.5    | 18 | 30 | 467  | 85                   |
| B           | 130A            | 372                         | 340 | 80  | 20 | 6×13  | 270 | 310 | 5  | M10 | 16 | 59   | 55  | 75  | 5  | 17      | 15 | 25 | 423  | 81                   |
| B           | 131A            | 392                         | 340 | 80  | 20 | 6×13  | 270 | 310 | 5  | M10 | 16 | 59   | 55  | 75  | 6  | 22.5    | 20 | 30 | 453  | 95                   |
| X           | 63              | 452                         | 400 | 91  | 22 | 8×15  | 316 | 360 | 5  | M12 | 18 | 69   | 65  | 79  | 6  | 20.5    | 18 | 30 | 513  | 120                  |
| B           | 141A            | 460                         | 400 | 99  | 22 | 8×15  | 320 | 360 | 5  | M12 | 20 | 74.5 | 70  | 92  | 6  | 22.5    | 20 | 30 | 521  | 124                  |
| X           | 74              | 504                         | 430 | 110 | 22 | 8×18  | 345 | 390 | 5  | M12 | 22 | 85   | 80  | 100 | 6  | 24.5    | 22 | 40 | 578  | 175                  |
| B           | 142A            | 504                         | 430 | 110 | 22 | 8×18  | 345 | 390 | 5  | M12 | 22 | 85   | 80  | 100 | 6  | 24.5    | 22 | 40 | 579  | 175                  |
| X           | 84              | 542                         | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 6  | 24.5    | 22 | 40 | 616  | 235                  |
| B           | 152             | 542                         | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 6  | 24.5    | 22 | 40 | 616  | 235                  |
| X           | 85              | 562                         | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 8  | 33      | 30 | 45 | 648  | 255                  |
| B           | 153             | 562                         | 490 | 115 | 30 | 12×18 | 400 | 450 | 5  | M16 | 25 | 95   | 90  | 110 | 8  | 33      | 30 | 55 | 658  | 260                  |
| X           | 95              | 683                         | 580 | 162 | 35 | 12×22 | 455 | 520 | 8  | M20 | 28 | 106  | 100 | 130 | 8  | 33      | 30 | 45 | 769  | 415                  |
| B           | 162             | 671                         | 580 | 177 | 35 | 12×24 | 455 | 520 | 8  | M20 | 28 | 106  | 100 | 165 | 6  | 24.5    | 22 | 40 | 745  | 396                  |
| B           | 163             | 685                         | 580 | 177 | 35 | 12×24 | 455 | 520 | 8  | M20 | 28 | 106  | 100 | 165 | 8  | 33      | 30 | 55 | 781  | 425                  |
| X           | 106             | 757                         | 650 | 182 | 40 | 12×22 | 520 | 590 | 10 | M24 | 28 | 116  | 110 | 140 | 10 | 38      | 35 | 54 | 854  | 555                  |
| B           | 174             | 822                         | 650 | 242 | 40 | 12×22 | 520 | 590 | 10 | M24 | 32 | 127  | 120 | 202 | 10 | 38      | 35 | 60 | 925  | 545                  |
| X           | 117             | 973                         | 880 | 204 | 50 | 12×33 | 680 | 800 | 10 | M30 | 32 | 137  | 130 | 184 | 12 | 43      | 40 | 65 | 1111 | 1110                 |
| B           | 184             | 1021                        | 880 | 252 | 50 | 12×33 | 680 | 800 | 10 | M30 | 36 | 148  | 140 | 245 | 12 | 43      | 40 | 65 | 1159 | 1130                 |

注：U、J尺寸见第232页电机尺寸一览表。 Note: U、J dimension can be see machinery dimension table on P232.



### Parameters and mounting dimensions for motor

-232-

XXWD、XWED、XLD、XLED、BWD、BLD 型摆线针轮减速机普通电动机尺寸