



**CHUNG CHUAN PUMP**

**CHUNG CHUAN PUMP**

**ISO 9001:2000 certificate**

## **MS Coaxial Self-Priming Centrifugal Pump**



**Trustworthy • Professional • Creative**



## MS Coaxial Self-Priming Centrifugal Pump

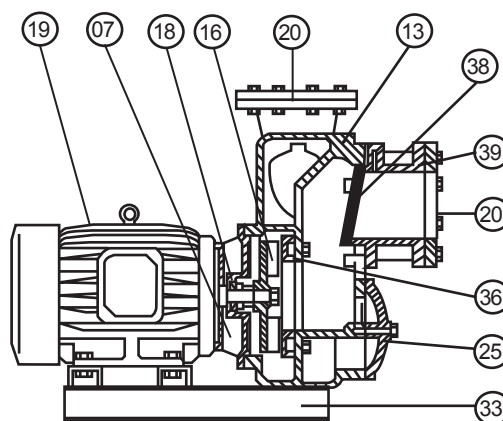
Model: MS Max. Head: 45M Max. Capacity: 10 m<sup>3</sup>/min Discharge: 1 1/2"-8" Motor Power: 1 -50 HP

### Features

1. The closed coupling direct structure provides high efficiency, compact size, light weight, and easy installation. It can also be coupled type if needed.
2. The mechanical shaft seal made of tungsten steel is wear resistant so the mandrel will not be damaged. There is no need for any cotton yarn, and the service life of water pump can be prolonged.
3. The special body structure has led to high self-priming capability and short pumping time.
4. The open impeller is equipped with strong delivery capability of sewage and debris.
5. The design of secondary blade can eliminate the axial power, and the power loss is less than the one with balance hole.
6. The water only needs to be added upon first operation, so there will not be any trouble of subsequent water filling.
7. The material options are FC. BC. SUS304. SUS316, and wear resistant steel.

### Construction

| Number | Part Name             | Materials   |     |     |
|--------|-----------------------|-------------|-----|-----|
| 07     | bearing seat          | FC 20       | 304 | 316 |
| 13     | Pump casing           | FC 20       | 304 | 316 |
| 16     | Impeller              | FC 20       | 304 | 316 |
| 18     | Mechanical seal       | SIC         |     |     |
| 19     | Motor                 |             |     |     |
| 20     | Flange                | FC 20       | 304 | 316 |
| 25     | Decontamination cover | FC 20       | 304 | 316 |
| 33     | Machine base          | FC 20/SS 40 |     |     |
| 36     | Friction board        | FC 20       | 304 | 316 |
| 38     | Valve tongue          | NBR         |     |     |
| 39     | Valve seat            | FC 20       | 304 | 316 |



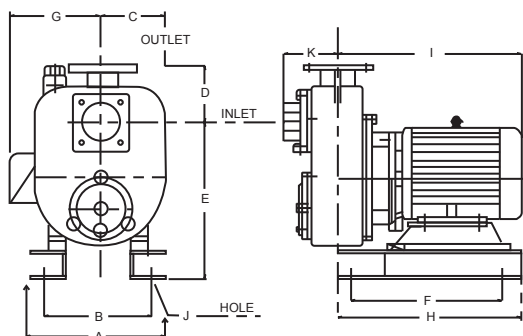
### MS Dimension Table

| TYPE (TYPE) | Discharge (in) | Output (HP) | Pole (P) | A   | B   | C  | D   | E   | F   | G   | H   | I   | J  | K   |
|-------------|----------------|-------------|----------|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|
| MS01-40A    | 1-1/2"         | 1           | 2        | 156 | 125 | 96 | 109 | 208 | 220 | 147 | 260 | 320 | 10 | 136 |
| MS02-40A    | 1-1/2"         | 2           | 2        | 171 | 140 | 96 | 118 | 218 | 220 | 158 | 260 | 363 | 10 | 136 |
| MS03-40A    | 1-1/2"         | 3           | 2        | 171 | 140 | 96 | 118 | 218 | 220 | 260 | 260 | 363 | 10 | 136 |

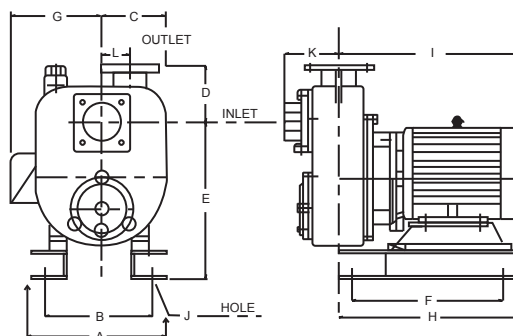
| TYPE (TYPE) | Discharge (in) | Output (HP) | Pole (P) | A   | B   | C   | D   | E   | F   | G   | H   | I   | J  | K   | L  |
|-------------|----------------|-------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|
| MS03-50A    | 2"             | 3           | 2        | 171 | 140 | 116 | 112 | 216 | 220 | 158 | 260 | 357 | 10 | 156 | 42 |
| MS03-65A    | 2-1/2"         | 3           | 2        | 171 | 140 | 116 | 112 | 216 | 220 | 158 | 260 | 357 | 10 | 156 | 42 |
| MS03-80A    | 3"             | 3           | 2        | 171 | 140 | 116 | 112 | 216 | 220 | 158 | 260 | 357 | 10 | 156 | 42 |

| TYPE (TYPE) | Discharge (in) | Output (HP) | Pole (P) | A   | B   | C   | D   | E   | F   | G   | H   | I   | J  | K   | L   |
|-------------|----------------|-------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| MS05-50A    | 2"             | 5           | 2        | 200 | 250 | 50  | 305 | 415 | 300 | 310 | 150 | 450 | 14 | 160 | 620 |
| MS07-50A    | 2"             | 7-1/2       | 2        | 260 | 230 | 50  | 305 | 457 | 360 | 363 | 150 | 500 | 14 | 160 | 660 |
| MS10-80A    | 3"             | 10          | 2        | 280 | 240 | 120 | 375 | 535 | 370 | 405 | 180 | 530 | 15 | 175 | 705 |
| MS15-80A    | 3"             | 15          | 2        | 280 | 240 | 120 | 375 | 535 | 460 | 440 | 180 | 660 | 15 | 175 | 820 |
| MS20-80A    | 3"             | 20          | 2        | 320 | 280 | 120 | 375 | 535 | 460 | 440 | 180 | 660 | 19 | 175 | 750 |
| MS25-100A   | 4"             | 25          | 2        | 325 | 285 | 125 | 375 | 543 | 520 | 500 | 210 | 720 | 19 | 185 | 920 |

MS01-40A/MS02-40A/MS03-40A



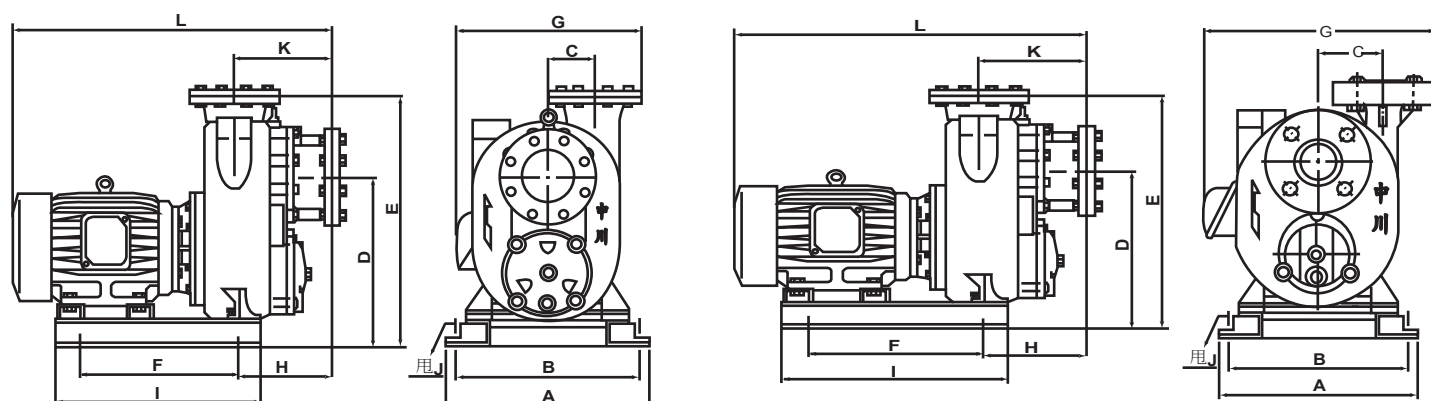
MS03-50A/MS03-65A/MS03-80A







## MS Dimension Diagram



● Dimension of 3" and above

● 1 1/2"-2 1/2" Dimension

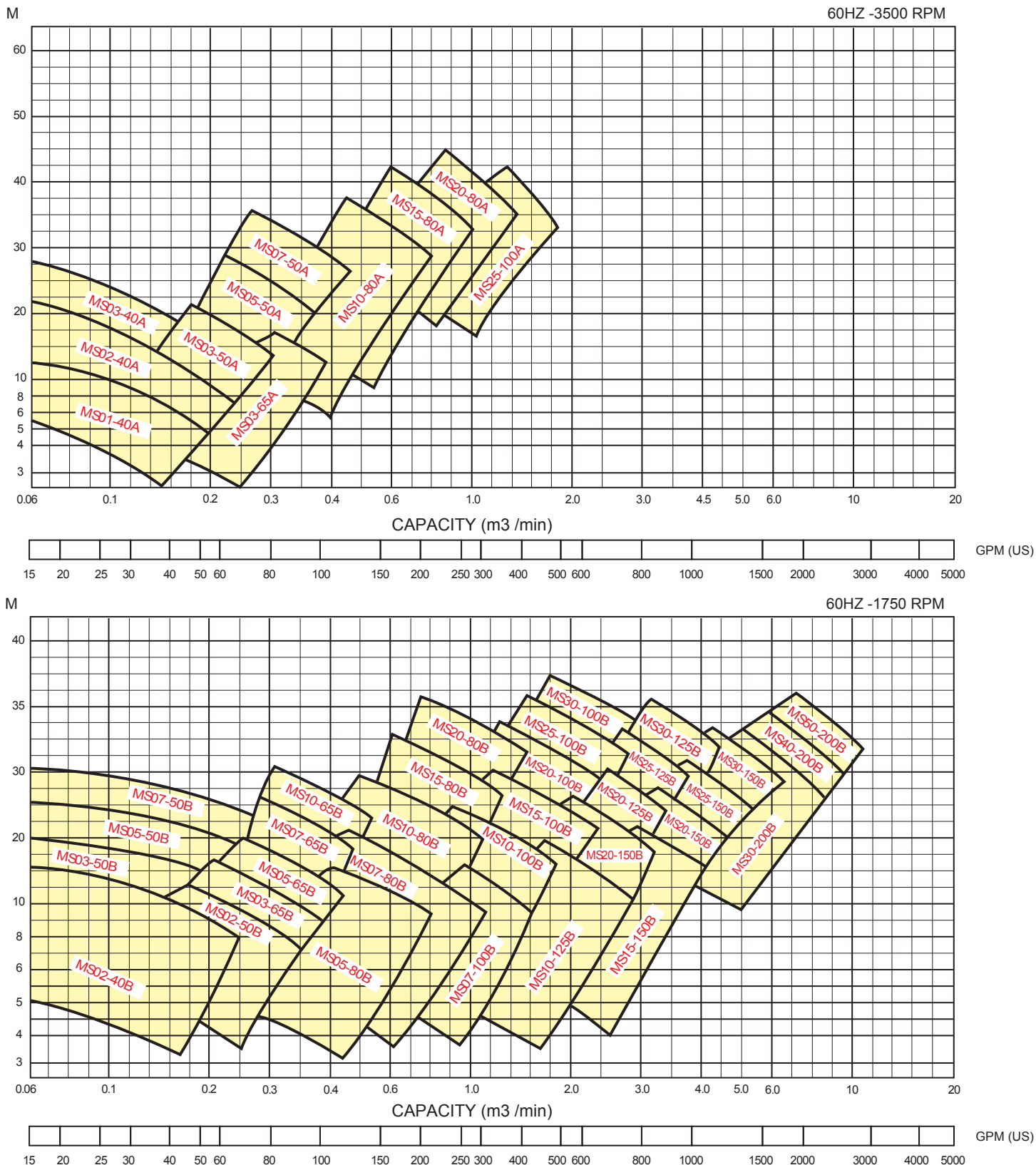
## MS Dimension Table

| TYPE<br>(TYPE) | Discharge<br>(in) | Output<br>(HP) | Pole<br>(P) | A   | B   | C   | D   | E   | F   | G   | H   | I    | J  | K   | L    |
|----------------|-------------------|----------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|----|-----|------|
| MS02-40B       | 1-1/2"            | 2              | 4           | 210 | 170 | 50  | 283 | 400 | 400 | 280 | 100 | 440  | 15 | 110 | 605  |
| MS02-50B       | 2"                | 2              | 4           | 210 | 170 | 50  | 283 | 400 | 400 | 280 | 100 | 440  | 15 | 110 | 610  |
| MS03-50B       | 2"                | 3              | 4           | 210 | 170 | 50  | 283 | 400 | 400 | 310 | 100 | 480  | 15 | 110 | 650  |
| MS05-50B       | 2"                | 5              | 4           | 285 | 265 | 50  | 295 | 420 | 460 | 360 | 105 | 500  | 15 | 115 | 670  |
| MS07-50B       | 2"                | 7-1/2          | 4           | 285 | 265 | 50  | 310 | 450 | 510 | 395 | 105 | 560  | 15 | 115 | 730  |
| MS03-65B       | 2-1/2"            | 3              | 4           | 210 | 170 | 80  | 283 | 400 | 400 | 325 | 120 | 480  | 15 | 130 | 670  |
| MS05-65B       | 2-1/2"            | 5              | 4           | 285 | 265 | 80  | 295 | 420 | 460 | 375 | 120 | 500  | 15 | 130 | 690  |
| MS07-65B       | 2-1/2"            | 7-1/2          | 4           | 285 | 265 | 80  | 310 | 460 | 510 | 410 | 120 | 560  | 15 | 130 | 750  |
| MS10-65B       | 2-1/2"            | 10             | 4           | 340 | 320 | 80  | 320 | 480 | 540 | 410 | 120 | 600  | 15 | 130 | 790  |
| MS05-80B       | 3"                | 5              | 4           | 330 | 310 | 105 | 345 | 460 | 490 | 380 | 140 | 520  | 15 | 150 | 730  |
| MS07-80B       | 3"                | 7-1/2          | 4           | 330 | 310 | 105 | 345 | 480 | 530 | 415 | 140 | 580  | 15 | 150 | 790  |
| MS10-80B       | 3"                | 10             | 4           | 340 | 320 | 105 | 360 | 510 | 550 | 415 | 140 | 610  | 15 | 160 | 820  |
| MS15-80B       | 3"                | 15             | 4           | 340 | 320 | 105 | 370 | 520 | 640 | 470 | 140 | 720  | 19 | 160 | 930  |
| MS20-80B       | 3"                | 20             | 4           | 380 | 350 | 105 | 375 | 530 | 700 | 470 | 140 | 780  | 19 | 160 | 990  |
| MS07-100B      | 4"                | 7-1/2          | 4           | 360 | 340 | 126 | 370 | 540 | 540 | 430 | 150 | 590  | 19 | 160 | 840  |
| MS10-100B      | 4"                | 10             | 4           | 360 | 330 | 126 | 380 | 540 | 560 | 430 | 150 | 620  | 19 | 170 | 870  |
| MS15-100B      | 4"                | 15             | 4           | 360 | 330 | 126 | 390 | 550 | 650 | 490 | 150 | 730  | 19 | 170 | 980  |
| MS20-100B      | 4"                | 20             | 4           | 420 | 380 | 126 | 395 | 560 | 710 | 490 | 150 | 790  | 19 | 170 | 1040 |
| MS25-100B      | 4"                | 25             | 4           | 450 | 410 | 126 | 410 | 580 | 730 | 530 | 150 | 810  | 21 | 170 | 1060 |
| MS30-100B      | 4"                | 30             | 4           | 450 | 410 | 126 | 410 | 580 | 730 | 530 | 150 | 810  | 21 | 170 | 1060 |
| MS10-125B      | 5"                | 10             | 4           | 425 | 385 | 135 | 420 | 580 | 580 | 460 | 170 | 640  | 19 | 190 | 940  |
| MS15-125B      | 5"                | 15             | 4           | 450 | 440 | 135 | 430 | 600 | 670 | 510 | 170 | 750  | 19 | 190 | 1050 |
| MS20-125B      | 5"                | 20             | 4           | 450 | 410 | 135 | 435 | 610 | 740 | 510 | 170 | 820  | 21 | 190 | 1120 |
| MS25-125B      | 5"                | 25             | 4           | 480 | 430 | 135 | 450 | 620 | 760 | 550 | 170 | 840  | 21 | 190 | 1140 |
| MS30-125B      | 5"                | 30             | 4           | 480 | 430 | 135 | 480 | 650 | 760 | 550 | 170 | 840  | 21 | 190 | 1140 |
| MS15-150B      | 6"                | 15             | 4           | 490 | 425 | 150 | 460 | 646 | 700 | 530 | 210 | 780  | 19 | 230 | 1070 |
| MS20-150B      | 6"                | 20             | 4           | 490 | 430 | 150 | 465 | 650 | 750 | 530 | 210 | 850  | 21 | 230 | 1140 |
| MS25-150B      | 6"                | 25             | 4           | 520 | 470 | 150 | 480 | 660 | 790 | 570 | 210 | 870  | 21 | 230 | 1160 |
| MS30-150B      | 6"                | 30             | 4           | 520 | 470 | 150 | 510 | 690 | 790 | 570 | 210 | 870  | 21 | 230 | 1160 |
| MS30-200B      | 8"                | 30             | 4           | 550 | 500 | 170 | 650 | 830 | 820 | 710 | 230 | 900  | 21 | 250 | 1300 |
| MS40-200B      | 8"                | 40             | 4           | 580 | 550 | 170 | 650 | 830 | 850 | 710 | 230 | 950  | 21 | 250 | 1350 |
| MS50-200B      | 8"                | 50             | 4           | 720 | 690 | 170 | 650 | 830 | 950 | 710 | 230 | 1050 | 21 | 250 | 1450 |

\*Our company retains the right of data variation, so please make necessary confirmation before purchase.



## MS Performance Curve Diagram



\*Our company retains the right of data variation, so please make necessary confirmation before purchase.

**DA CHUAN PUMP INDUSTRIAL CO., LTD.**

<http://www.cnc-pump.com.tw>

TEL: (02) 2847-6261 FAX: (02) 2289-1677

E-mail: [cncpump@yahoo.com.tw](mailto:cncpump@yahoo.com.tw)