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KOSHA18001



 **HYOSUNG GOODSPRINGS INC.**

# CFP

## C-series foot support process pump

ISO2858 ISO5199



HYOSUNG GOODSPRINGS  
**PUMPS  
& WATER**

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Springs of Living Water

 **HYOSUNG GOODSPRINGS INC.**

**HEAD OFFICE** 254-8, Gongdeok-Dong, Mapo-Gu, Seoul, Korea 121-710 TEL : 82-2-3279-8310  
**CHANGWON PLANT** 43-1, Ungham-Dong, Changwon-Si, Kyungsangnam-Do, Korea 641-290 TEL : 82-55-268-8976

This brochure does not contain all informations and any warranty or guarantee of any kind.  
Also, all informations herein is subject to change without notice.



CFP



효성굿스프링스 CFP(OH1 Type)는 단단, 편흡입, Foot Support, 수평구조로 설계되어 있으며, 화학공업, 석유화학공업, 석유정제 및 여러 산업분야에 널리 사용되고 있습니다. 효성굿스프링스의 고효율 Process Pump CFP는 화학공업, 석유화학공업, 산업용의 분야에 있어 최적의 System구성은 물론, Low-Cost Operation을 약속드립니다.

HYOSUNG GOODSPRINGS Process Pump Model CFP(OH1 Type) of single stage, end suction, foot supported, horizontal type have been widely used in chemical industry, petroleum refineries, the petrochemical industry and other various industries for long years. Many improvement have been recently made on this pump to enhance its performance. Our modern mass production facilities enable us to pass the cost-savings on you.

Designation

|       |                           |   |                        |
|-------|---------------------------|---|------------------------|
| CFP   | 25                        | — | 130                    |
| 모델    | 토출구경                      |   | 회전차직경                  |
| Model | Nominal Discharge Dia(mm) |   | Impeller Diameter (mm) |

Applications

- 화학 공업용 (Chemical Industry)
- 석유정제 공업용 (Petroleum Refineries)
- 석유화학 공업용 (Petrochemical Industry)
- 기타 산업용 (Other Various Industries)

Rating

|                                 |                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------|
| Capacity                        | To 24 m³/min (3170 USGPM)                                                                              |
| Heads                           | To 140 m (470 ft)                                                                                      |
| Discharge Pressure              | To 16 kgf/cm²G (230 PSIG) {1.57MPa}                                                                    |
| Max. allowable Suction Pressure | To 9 kgf/cm²G (130 PSIG) {0.88MPa}                                                                     |
| Hydrostatic Test Pressures      | To 24 kgf/cm²G (340 PSIG) {2.3MPa}                                                                     |
| Speeds                          | 50 Hz 1450 or 2950 min⁻¹<br>60 Hz 1750 or 3550 min⁻¹                                                   |
| Max.allowable Revolutions       | To 3600 min⁻¹                                                                                          |
| Rotation                        | Clockwise viewed from inboard side                                                                     |
| Impeller Type                   | Enclosed                                                                                               |
| Temperatures                    | Stainless Steel : -50 °C to 200 °C(-58 °F to 392 °F)<br>Cast Steel : -5 °C to 200 °C(-23 °F to 392 °F) |
| Flanges                         | Stainless Steel : ANSI 150<br>Cast Steel : ANSI 150lb                                                  |
| Nozzles                         | End-Top                                                                                                |
| Stuffing Box                    | Suitable for conventional packing and mechanical seal                                                  |

Features

- Foot support overhung
- Back pull-out casing
- Full compliance with ISO 2858, ISO 5199 specifications
- All components have been designed for maximum parts interchangeability
- Flexibility of design handles wide range of liquids
- Low NPSH performance

Interchangeability

Pump Model 간 부품의 완벽한 호환성을 제공하며, 요구사양에 가장 적합한 펌프를 선정할 수 있습니다.

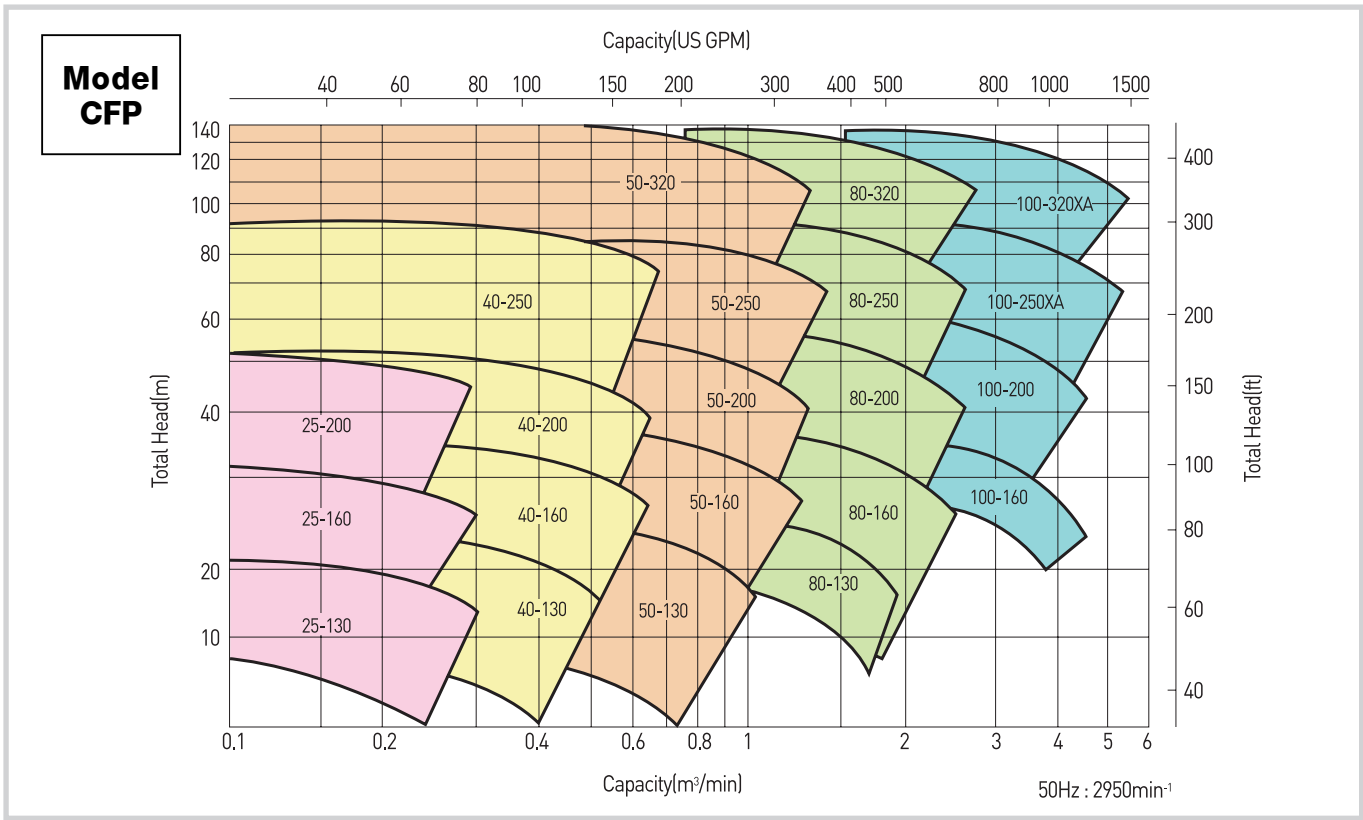
Availability in modules provides complete interchangeability of components between different types and permits pump selections best suited for the given specifications.

|                                                          | Bearing Casing | Shaft | Gland Cover | Impeller | Casing | Pump Model Designation |
|----------------------------------------------------------|----------------|-------|-------------|----------|--------|------------------------|
| Bearing Group I                                          |                |       |             |          |        | 25-130                 |
|                                                          |                |       |             |          |        | 25-160                 |
|                                                          |                |       |             |          |        | 25-200                 |
|                                                          |                |       |             |          |        | 40-130                 |
| Bearing Group II                                         |                |       |             |          |        | 40-160                 |
|                                                          |                |       |             |          |        | 40-200                 |
|                                                          |                |       |             |          |        | 40-250                 |
|                                                          |                |       |             |          |        | 50-130                 |
|                                                          |                |       |             |          |        | 50-160                 |
|                                                          |                |       |             |          |        | 50-200                 |
|                                                          |                |       |             |          |        | 50-250                 |
|                                                          |                |       |             |          |        | 50-320                 |
| Bearing Group III                                        |                |       |             |          |        | 80-130                 |
|                                                          |                |       |             |          |        | 80-160                 |
|                                                          |                |       |             |          |        | 80-200                 |
|                                                          |                |       |             |          |        | 80-250                 |
|                                                          |                |       |             |          |        | 80-320                 |
|                                                          |                |       |             |          |        | 100-160                |
|                                                          |                |       |             |          |        | 100-200                |
|                                                          |                |       |             |          |        | 100-250X               |
|                                                          |                |       |             |          |        | 100-250XA              |
|                                                          |                |       |             |          |        | 100-320X               |
|                                                          |                |       |             |          |        | 100-400X               |
|                                                          |                |       |             |          |        | 150-200                |
| Bearing Group V<br>only for 2P<br>100-250XA<br>100-320XA |                |       |             |          |        | 150-250                |
|                                                          |                |       |             |          |        | 100-320Y               |
|                                                          |                |       |             |          |        | 100-400Y               |
|                                                          |                |       |             |          |        | 100-500                |
| Bearing Group VI                                         |                |       |             |          |        | 200-200                |
|                                                          |                |       |             |          |        | 200-250                |
|                                                          |                |       |             |          |        | 150-320                |
|                                                          |                |       |             |          |        | 150-400                |
| Bearing Group VII                                        |                |       |             |          |        | 150-500                |
|                                                          |                |       |             |          |        | 250-250                |
|                                                          |                |       |             |          |        | 200-320                |
|                                                          |                |       |             |          |        | 200-400                |
|                                                          |                |       |             |          |        | 200-500                |
|                                                          |                |       |             |          |        | 200-500                |

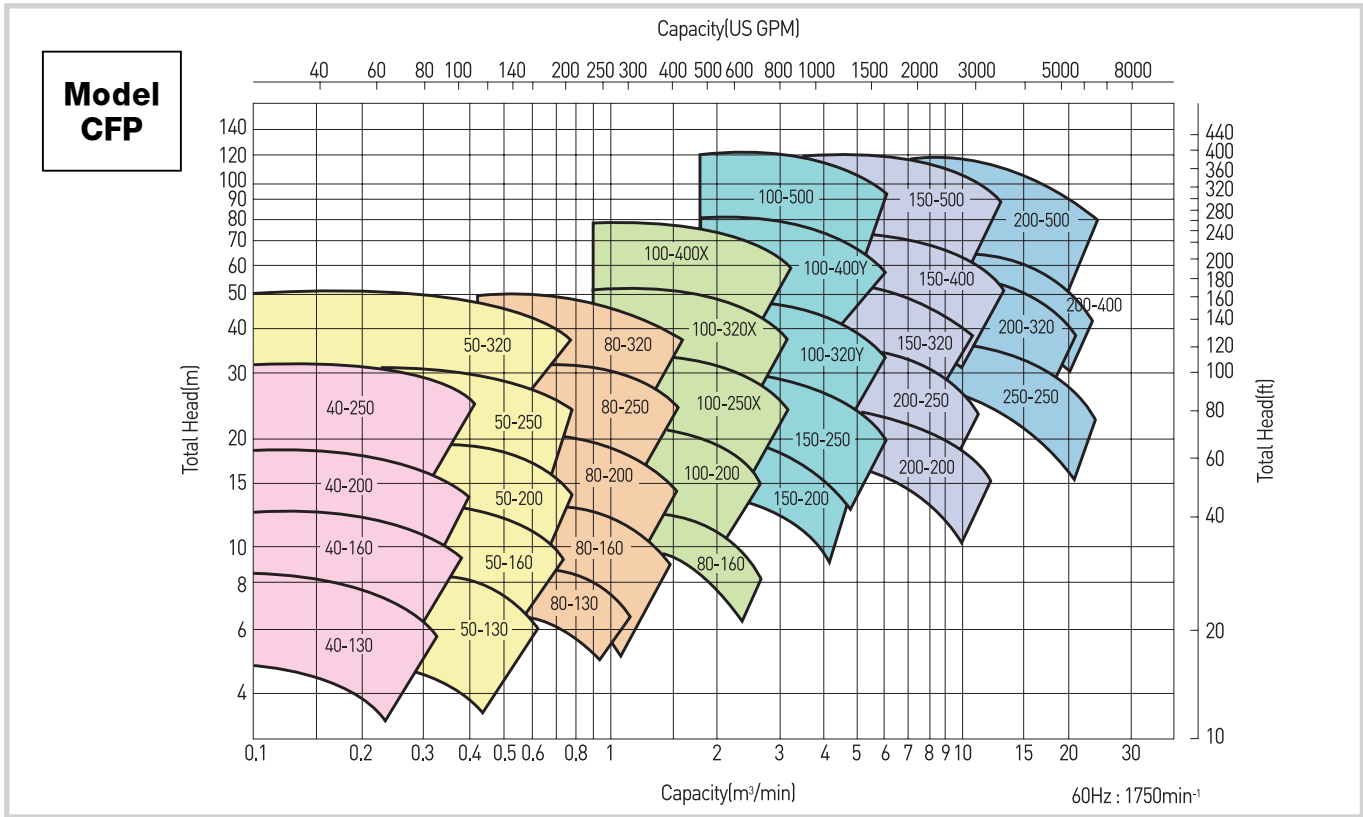
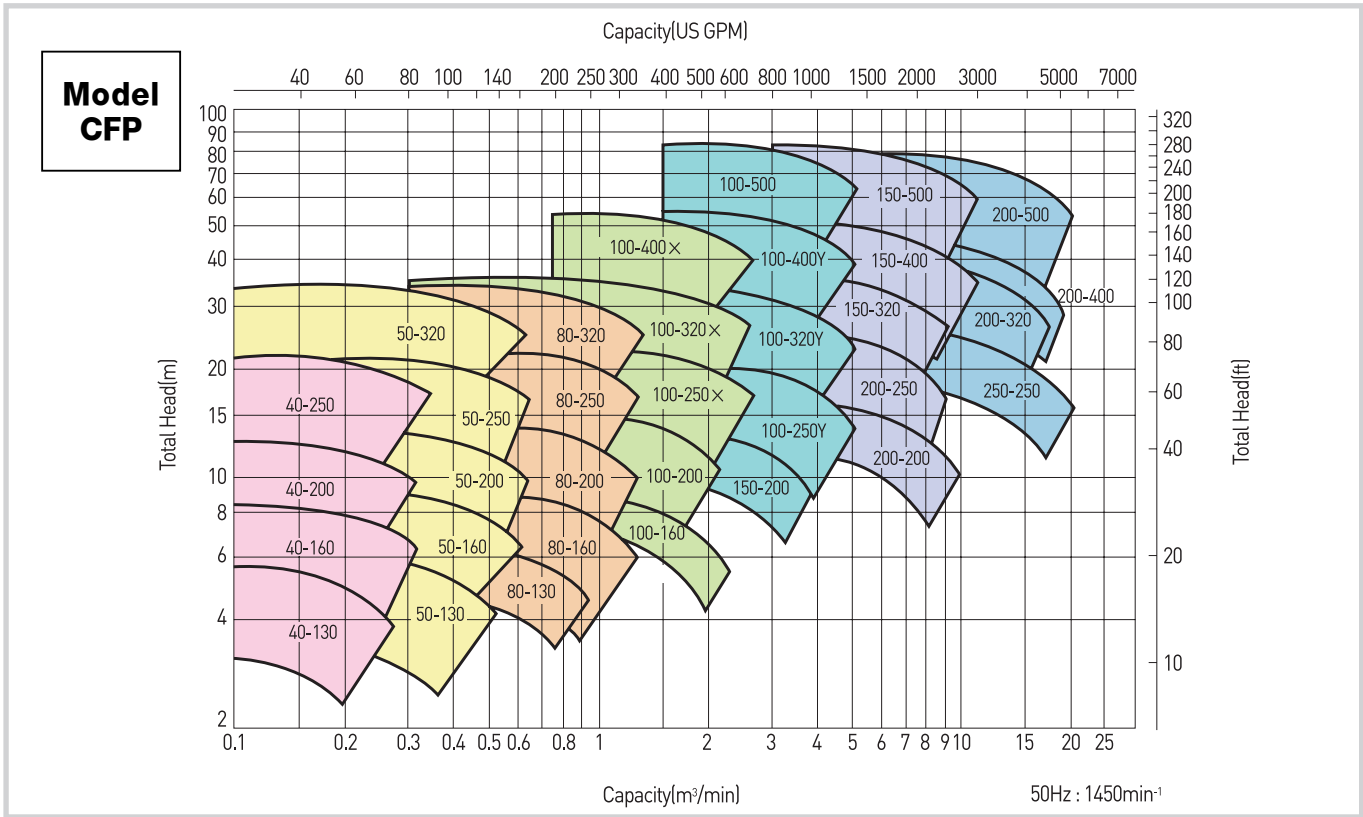
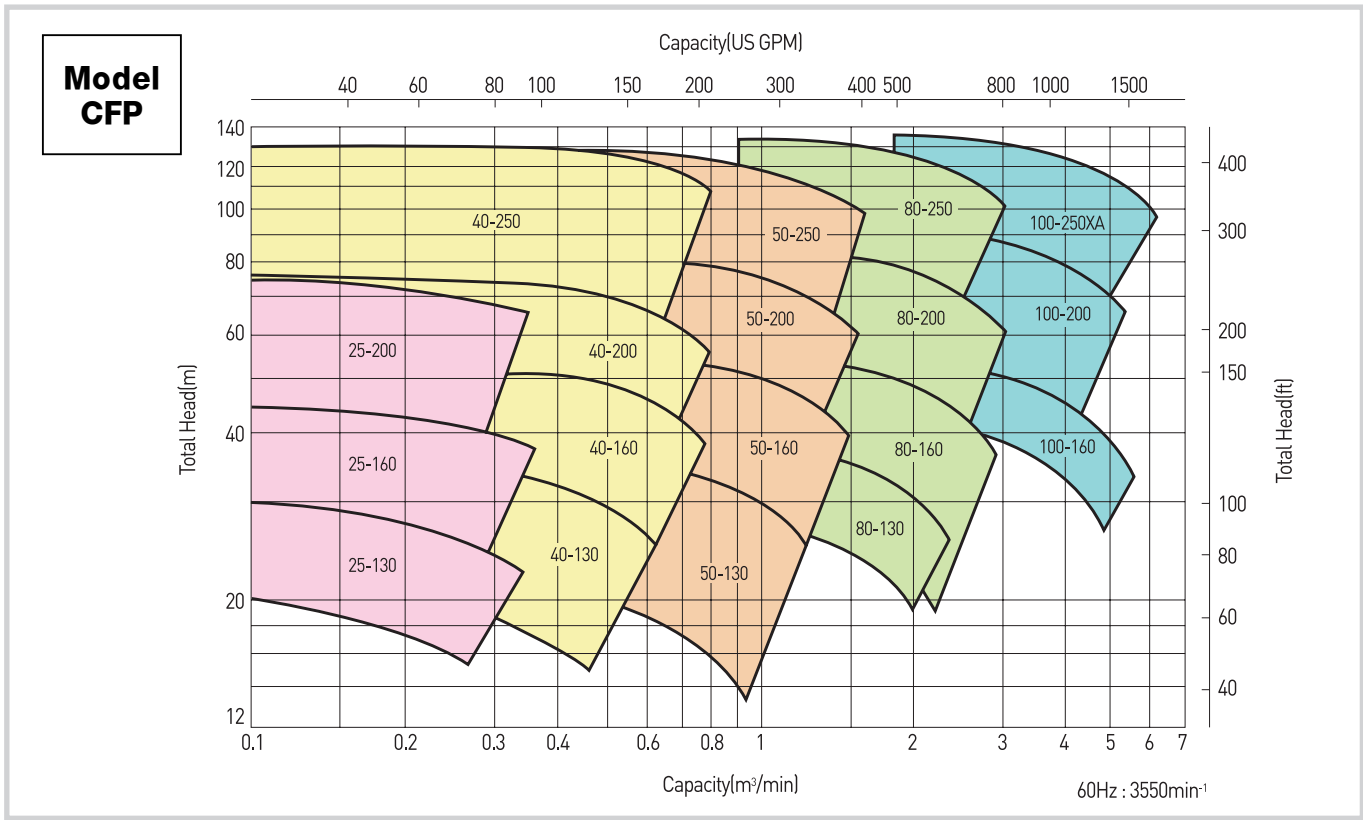
# Selection Chart

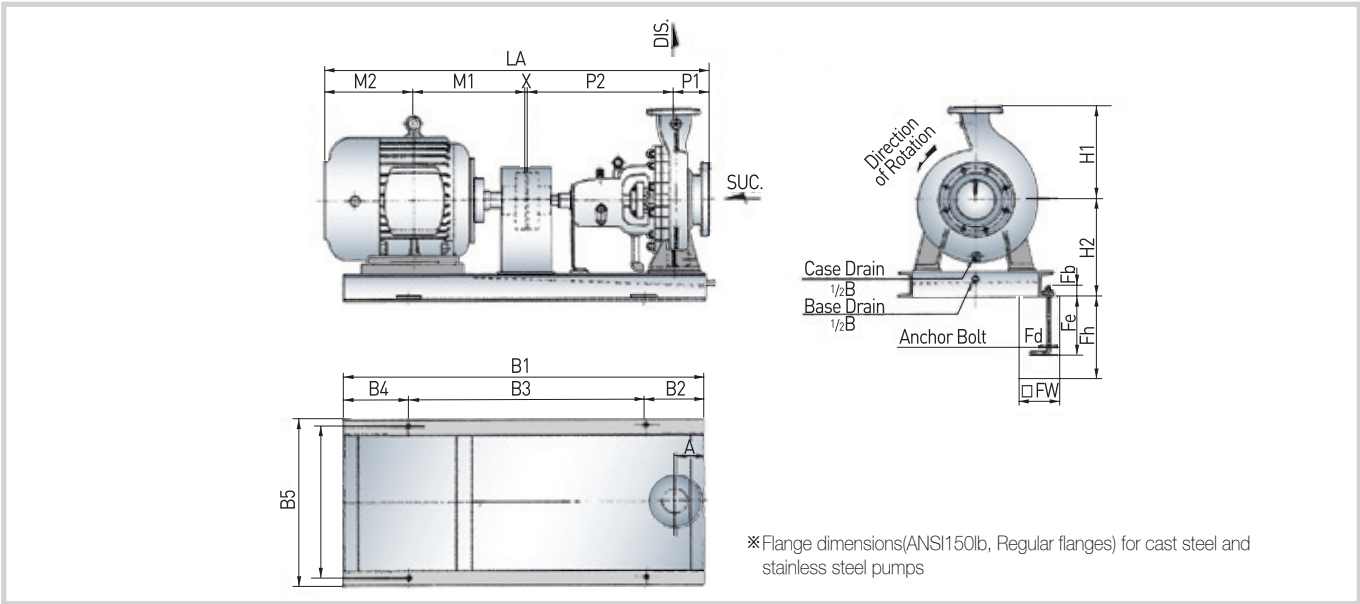
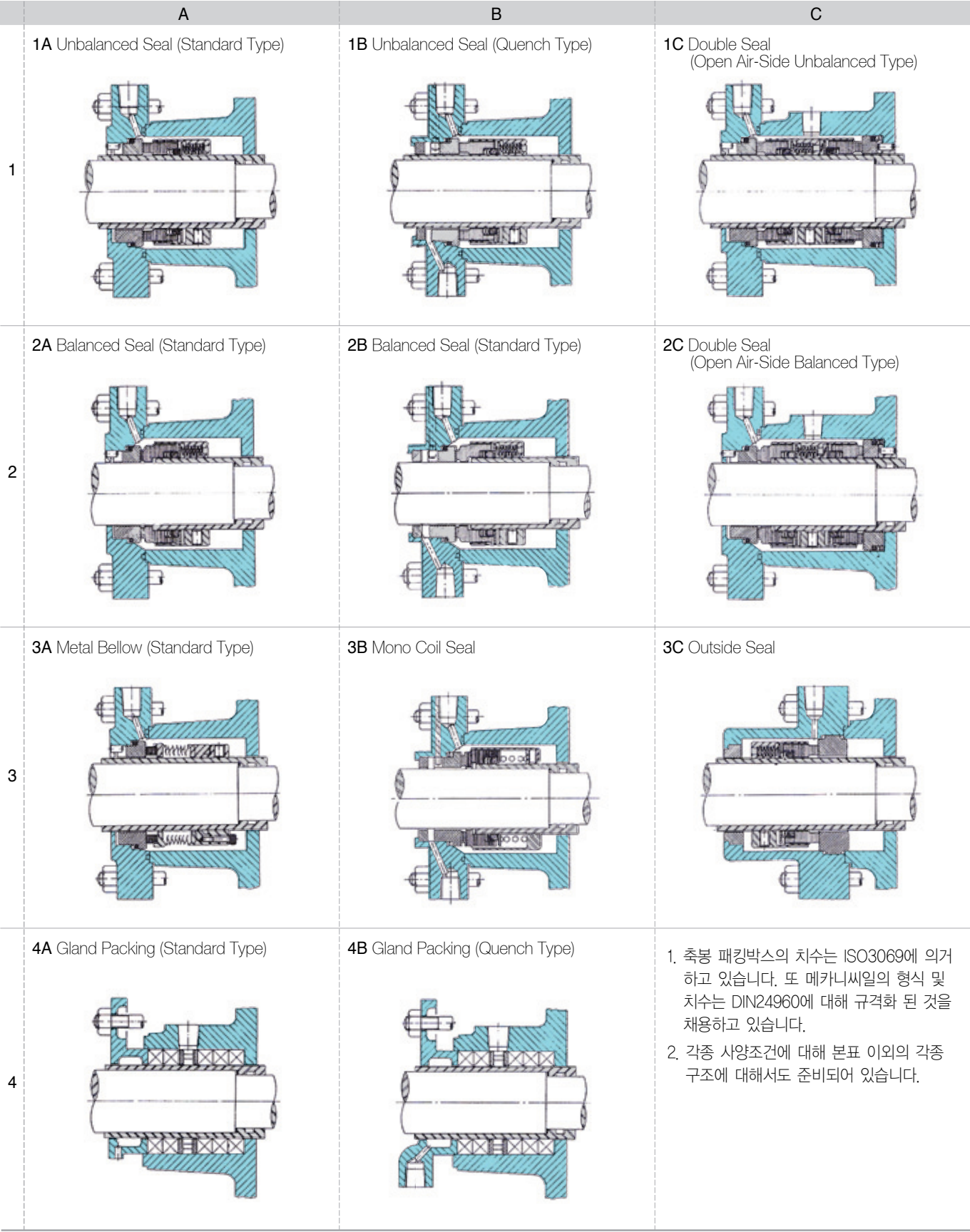
C-series foot support process pump

50Hz



60Hz





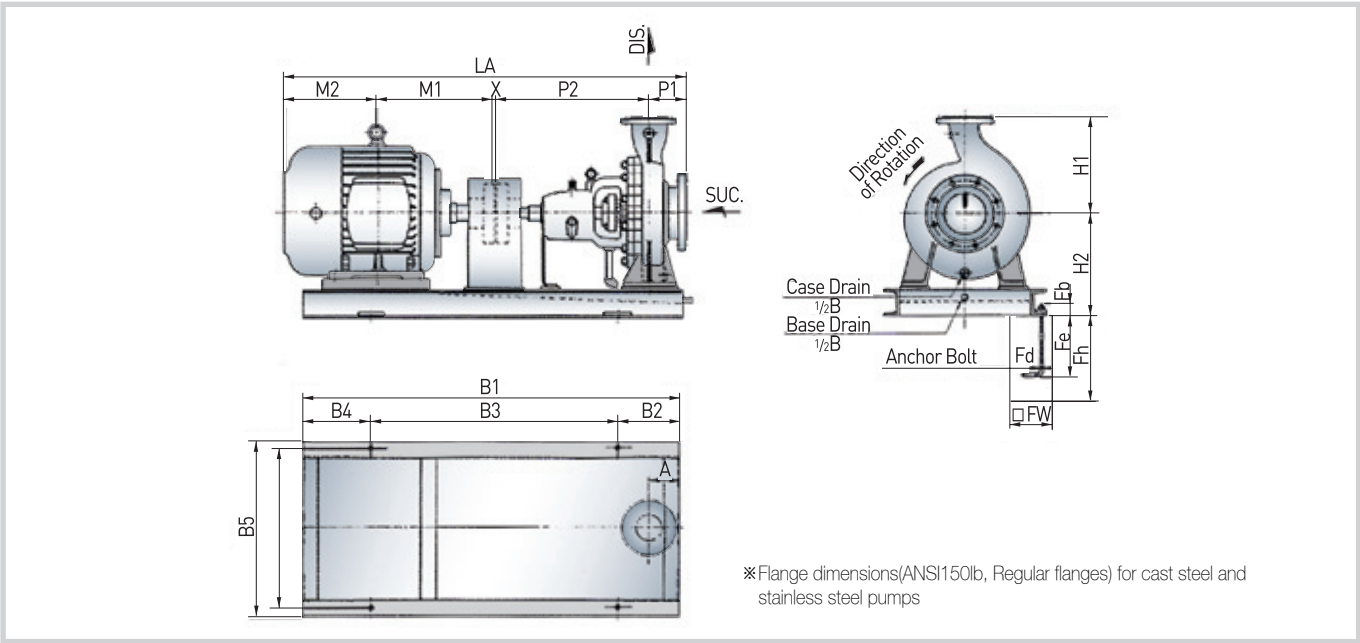
| Unit (mm)  |             |                |                |                |                |        |                |                |                |                |                |                |                 |        |   |             |    |     |     |     |        |
|------------|-------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|---|-------------|----|-----|-----|-----|--------|
| Pump Model | Motor Frame | Pump           |                |                |                | Common |                |                |                |                |                | Motor          |                 | *LA    | X | Anchor Bolt |    |     |     |     | Wt. kg |
|            |             | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A      | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> | M <sub>1</sub> | *M <sub>2</sub> |        |   | Fd          | Fb | Fe  | Fh  | Fw  |        |
| CFP25-130  | 71          | 80             | 385            | 160            | 207            | 60     | 725            | 115            | 480            | 130            | 290            | 120            | 125             | 713    | 3 | M12         | 55 | 195 | 250 | 110 | 65     |
|            | 80          | 80             | 385            | 160            | 207            | 60     | 725            | 115            | 480            | 130            | 290            | 140            | 146             | 754    | 3 | M12         | 55 | 195 | 250 | 110 | 64     |
|            | 90L         | 80             | 385            | 160            | 217            | 60     | 725            | 115            | 480            | 130            | 290            | 168.5          | 165             | 801.5  | 3 | M12         | 55 | 195 | 250 | 110 | 64     |
|            | 100L        | 80             | 385            | 160            | 207            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 846    | 3 | M12         | 55 | 195 | 250 | 110 | 70     |
| CFP25-160  | 112M        | 80             | 385            | 160            | 207            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 863    | 3 | M12         | 55 | 195 | 250 | 110 | 69     |
|            | 132S        | 80             | 385            | 160            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 930    | 3 | M12         | 55 | 195 | 250 | 110 | 71     |
|            | 132M        | 80             | 385            | 160            | 227            | 60     | 895            | 150            | 600            | 145            | 350            | 258            | 242             | 968    | 3 | M12         | 55 | 195 | 250 | 110 | 75     |
|            | 160M        | 80             | 385            | 160            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1078   | 3 | M12         | 55 | 195 | 250 | 110 | 90     |
| CFP25-200  | 160L        | 80             | 385            | 160            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 345            | 310             | 1123   | 3 | M12         | 55 | 195 | 250 | 110 | 90     |
|            | 71          | 80             | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 120            | 125             | 713    | 3 | M12         | 55 | 195 | 250 | 110 | 80     |
|            | 80          | 80             | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 140            | 146             | 754    | 3 | M12         | 55 | 195 | 250 | 110 | 80     |
|            | 90L         | 80             | 385            | 180            | 245            | 60     | 725            | 115            | 480            | 130            | 320            | 168.5          | 165             | 801.5  | 3 | M12         | 55 | 195 | 250 | 110 | 81     |
|            | 100L        | 80             | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 846    | 3 | M12         | 55 | 195 | 250 | 110 | 83     |
|            | 112M        | 80             | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 863    | 3 | M12         | 55 | 195 | 250 | 110 | 83     |
|            | 132S        | 80             | 385            | 180            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 930    | 3 | M12         | 55 | 195 | 250 | 110 | 81     |
|            | 132M        | 80             | 385            | 180            | 235            | 60     | 900            | 150            | 600            | 150            | 350            | 258            | 242             | 968    | 3 | M12         | 55 | 195 | 250 | 110 | 87     |
|            | 160M        | 80             | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1078   | 3 | M12         | 55 | 195 | 250 | 110 | 101    |
|            | 160L        | 80             | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 345            | 310             | 1123   | 3 | M12         | 55 | 195 | 250 | 110 | 101    |
| CFP40-130  | 180M        | 80             | 385            | 180            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 351.5          | 322             | 1141.5 | 3 | M12         | 55 | 195 | 250 | 110 | 104    |
|            | 180L        | 80             | 385            | 180            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 370.5          | 341             | 1179.5 | 3 | M12         | 55 | 195 | 250 | 110 | 104    |
|            | 71          | 80             | 385            | 160            | 207            | 60     | 725            | 115            | 480            | 130            | 290            | 120            | 125             | 713    | 3 | M12         | 55 | 195 | 250 | 110 | 69     |
|            | 80          | 80             | 385            | 160            | 207            | 60     | 725            | 115            | 480            | 130            | 290            | 140            | 146             | 754    | 3 | M12         | 55 | 195 | 250 | 110 | 69     |
|            | 90L         | 80             | 385            | 160            | 217            | 60     | 725            | 115            | 480            | 130            | 290            | 168.5          | 165             | 801.5  | 3 | M12         | 55 | 195 | 250 | 110 | 69     |
|            | 100L        | 80             | 385            | 160            | 207            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 846    | 3 | M12         | 55 | 195 | 250 | 110 | 75     |
|            | 112M        | 80             | 385            | 160            | 207            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 863    | 3 | M12         | 55 | 195 | 250 | 110 | 75     |
|            | 132S        | 80             | 385            | 160            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 930    | 3 | M12         | 55 | 195 | 250 | 110 | 75     |
|            | 132M        | 80             | 385            | 160            | 227            | 60     | 895            | 150            | 600            | 145            | 350            | 258            | 242             | 968    | 3 | M12         | 55 | 195 | 250 | 110 | 79     |
|            | 160M        | 80             | 385            | 160            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1078   | 3 | M12         | 55 | 195 | 250 | 110 | 95     |
| CFP40-160  | 160L        | 80             | 385            | 160            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 345            | 310             | 1123   | 3 | M12         | 55 | 195 | 250 | 110 | 95     |
|            | 71          | 100            | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 120            | 125             | 733    | 3 | M12         | 55 | 195 | 250 | 110 | 82     |
|            | 80          | 100            | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 140            | 146             | 774    | 3 | M12         | 55 | 195 | 250 | 110 | 82     |
|            | 90L         | 100            | 385            | 180            | 245            | 60     | 725            | 115            | 480            | 130            | 320            | 168.5          | 165             | 821.5  | 3 | M12         | 55 | 195 | 250 | 110 | 82     |
|            | 100L        | 100            | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 866    | 3 | M12         | 55 | 195 | 250 | 110 | 85     |
|            | 112M        | 100            | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 883    | 3 | M12         | 55 | 195 | 250 | 110 | 85     |
|            | 132S        | 100            | 385            | 180            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 950    | 3 | M12         | 55 | 195 | 250 | 110 | 85     |
|            | 132M        | 100            | 385            | 180            | 235            | 60     | 900            | 150            | 600            | 150            | 350            | 258            | 242             | 988    | 3 | M12         | 55 | 195 | 250 | 110 | 90     |
|            | 160M        | 100            | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1098   | 3 | M12         | 55 | 195 | 250 | 110 | 103    |
|            | 160L        | 100            | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 345            | 310             | 1143   | 3 | M12         | 55 | 195 | 250 | 110 | 103    |
| CFP40-200  | 180M        | 100            | 385            | 180            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 351.5          | 322             | 1161.5 | 3 | M12         | 55 | 195 | 250 | 110 | 105    |
|            | 180L        | 100            | 385            | 180            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 370.5          | 341             | 1199.5 | 3 | M12         | 55 | 195 | 250 | 110 | 105    |

주 : 1. 표시된 전동기는 F종 절연, 전폐형, 팬냉각, 저압 3상, 농형, 유도전동기입니다.  
2. \*표시의 M<sub>2</sub>와 LA의 치수는 전동기 제작사에 따라 다소의 차이가 있습니다.  
3. 치수는 사전 통보없이 제품의 개선에 의해 변경될 수 있습니다.  
4. Base Plate 치수는 참고치수이므로 Foundation을 위한 상세치수는 사양서를 참조바랍니다.

1. The motor output classification numbers shown are those for ordinary F class totally-enclosed, fan-cooled low-voltage 3-phase squirrel cage induction motors.  
2. Asterisked M<sub>2</sub> and LA dimension vary to a certain extent, depending on motor manufacturers.  
3. The dimensions and all specifications are subject to change without notice.  
4. Base plate dimensions are only reference. For accurate dimension, please submit a inquiry.

Outline Dimensions

C-series foot support process pump

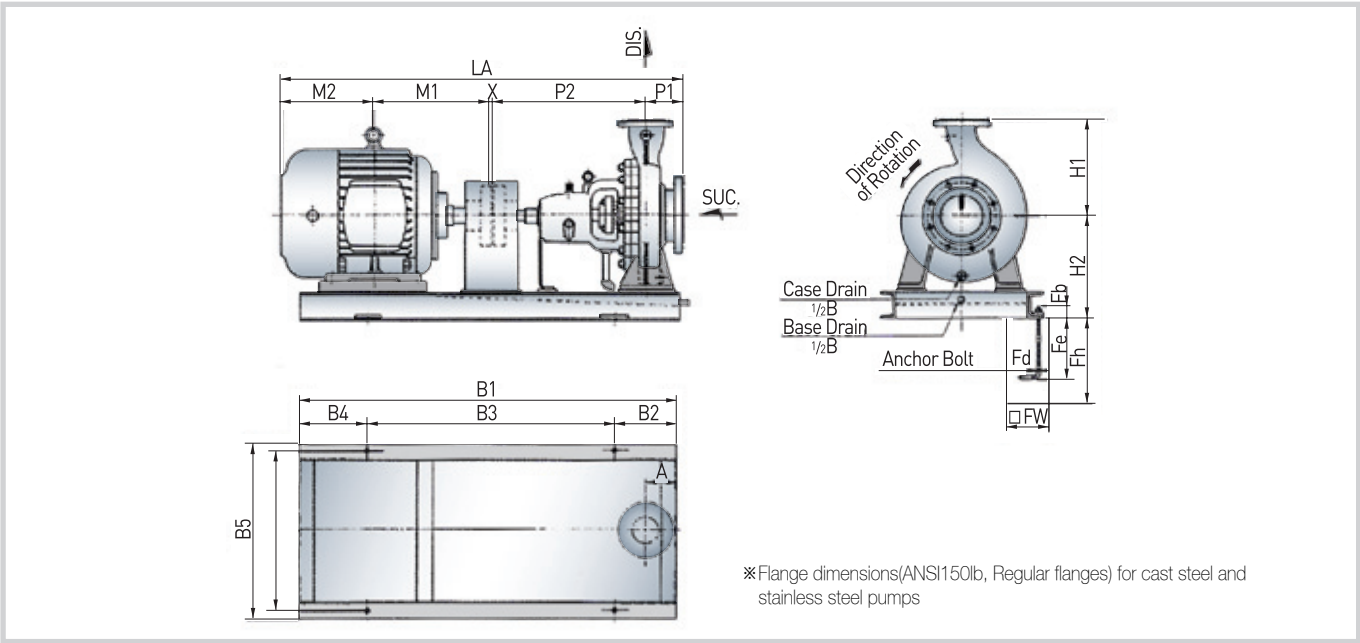


| Unit (mm)  |             |                |                |                |                |        |                |                |                |                |                |                |                 |        |   |             |    |     |     |     |        |
|------------|-------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|---|-------------|----|-----|-----|-----|--------|
| Pump Model | Motor Frame | Pump           |                |                |                | Common |                |                |                |                |                | Motor          |                 | *LA    | X | Anchor Bolt |    |     |     |     | Wt. kg |
|            |             | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A      | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> | M <sub>1</sub> | *M <sub>2</sub> |        |   | Fd          | Fb | Fe  | Fh  | Fw  |        |
| CFP40-250  | 90L         | 100            | 500            | 225            | 270            | 75     | 900            | 150            | 600            | 150            | 400            | 168.5          | 165             | 936.5  | 3 | M12         | 55 | 195 | 250 | 110 | 114    |
|            | 100L        | 100            | 500            | 225            | 270            | 75     | 900            | 150            | 600            | 150            | 400            | 193            | 185             | 981    | 3 | M12         | 55 | 195 | 250 | 110 | 114    |
|            | 112M        | 100            | 500            | 225            | 282            | 75     | 900            | 150            | 600            | 150            | 400            | 200            | 195             | 998    | 3 | M12         | 55 | 195 | 250 | 110 | 114    |
|            | 132S        | 100            | 500            | 225            | 270            | 75     | 995            | 170            | 660            | 165            | 400            | 239            | 223             | 1065   | 3 | M12         | 55 | 195 | 250 | 110 | 122    |
|            | 132M        | 100            | 500            | 225            | 270            | 75     | 995            | 170            | 660            | 165            | 400            | 258            | 242             | 1103   | 3 | M12         | 55 | 195 | 250 | 110 | 125    |
|            | 160M        | 100            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1213   | 3 | M12         | 55 | 195 | 250 | 110 | 135    |
|            | 160L        | 100            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1258   | 3 | M12         | 55 | 195 | 250 | 110 | 135    |
|            | 180M        | 100            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 351.1          | 322             | 1276.5 | 3 | M12         | 55 | 195 | 250 | 110 | 136    |
|            | 180L        | 100            | 500            | 225            | 270            | 75     | 1260           | 205            | 840            | 215            | 490            | 370.5          | 341             | 1314.5 | 3 | M12         | 55 | 195 | 250 | 110 | 148    |
|            | 200L        | 100            | 500            | 225            | 290            | 75     | 1245           | 205            | 840            | 200            | 490            | 395.5          | 420.5           | 1419   | 3 | M12         | 55 | 195 | 250 | 110 | 154    |
| CFP50-130  | 225S        | 100            | 500            | 225            | 335            | 75     | 1220           | 205            | 840            | 175            | 550            | 402            | 413             | 1419   | 3 | M12         | 70 | 245 | 315 | 110 | 168    |
|            | 71          | 100            | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 120            | 125             | 773    | 3 | M12         | 55 | 195 | 250 | 110 | 77     |
|            | 80          | 100            | 385            | 180            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 140            | 146             | 774    | 3 | M12         | 55 | 195 | 250 | 110 | 77     |
|            | 90L         | 100            | 385            | 180            | 245            | 60     | 725            | 115            | 480            | 130            | 320            | 168.5          | 165             | 821.5  | 3 | M12         | 55 | 195 | 250 | 110 | 77     |
|            | 100L        | 100            | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 866    | 3 | M12         | 55 | 195 | 250 | 110 | 80     |
|            | 112M        | 100            | 385            | 180            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 883    | 3 | M12         | 55 | 195 | 250 | 110 | 80     |
|            | 132S        | 100            | 385            | 180            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 950    | 3 | M12         | 55 | 195 | 250 | 110 | 80     |
|            | 160M        | 100            | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1098   | 3 | M12         | 55 | 195 | 250 | 110 | 98     |
|            | 160L        | 100            | 385            | 180            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 345            | 310             | 1143   | 3 | M12         | 55 | 195 | 250 | 110 | 98     |
|            | 180M        | 100            | 385            | 180            | 250            | 60     | 1015           | 170            | 660            | 185            | 440            | 351.5          | 332             | 1161.5 | 3 | M12         | 55 | 195 | 250 | 110 | 100    |
| CFP50-160  | 180L        | 100            | 385            | 180            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 370.5          | 341             | 1199.5 | 3 | M12         | 55 | 195 | 250 | 110 | 100    |
|            | 71          | 100            | 385            | 200            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 120            | 125             | 733    | 3 | M12         | 55 | 195 | 250 | 110 | 87     |
|            | 80          | 100            | 385            | 200            | 235            | 60     | 725            | 115            | 480            | 130            | 320            | 140            | 146             | 774    | 3 | M12         | 55 | 195 | 250 | 110 | 87     |
|            | 90L         | 100            | 385            | 200            | 245            | 60     | 725            | 115            | 480            | 130            | 320            | 168.5          | 165             | 821.5  | 3 | M12         | 55 | 195 | 250 | 110 | 87     |
|            | 100L        | 100            | 385            | 200            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 193            | 185             | 866    | 3 | M12         | 55 | 195 | 250 | 110 | 90     |
|            | 112M        | 100            | 385            | 200            | 235            | 60     | 765            | 130            | 540            | 95             | 320            | 200            | 195             | 883    | 3 | M12         | 55 | 195 | 250 | 110 | 90     |
|            | 132S        | 100            | 385            | 200            | 235            | 60     | 805            | 130            | 540            | 135            | 350            | 239            | 223             | 950    | 3 | M12         | 55 | 195 | 250 | 110 | 93     |
|            | 160M        | 100            | 385            | 200            | 250            | 60     | 970            | 170            | 660            | 140            | 400            | 323            | 287             | 1098   | 3 | M12         | 55 | 195 | 250 | 110 | 108    |
|            | 160L        | 100            | 385            | 200            | 250            | 60     | 970            | 170            | 660            | 185            | 400            | 345            | 310             | 1143   | 3 | M12         | 55 | 195 | 250 | 110 | 108    |
|            | 180M        | 100            | 385            | 200            | 270            | 60     | 1015           | 170            | 660            | 185            | 440            | 351.5          | 332             | 1161.5 | 3 | M12         | 55 | 195 | 250 | 110 | 110    |
| CFP50-200  | 180M        | 100            | 385            | 200            | 270            | 60     | 1015           | 170            | 660            | 140            | 440            | 370.5          | 341             | 1199.5 | 3 | M12         | 55 | 195 | 250 | 110 | 110    |
|            | 180L        | 100            | 385            | 200            | 290            | 60     | 1120           | 190            | 740            | 190            | 490            | 395.5          | 420.5           | 1304   | 3 | M12         | 55 | 195 | 250 | 110 | 128    |
|            | 200L        | 100            | 385            | 200            | 290            | 60     | 1120           | 190            | 740            | 190            | 490            | 375.5          | 420.5           | 1304   | 3 | N12         | 55 | 195 | 250 | 110 | 128    |
|            | 90L         | 125            | 500            | 225            | 270            | 75     | 900            | 150            | 600            | 150            | 400            | 168.5          | 165             | 961.5  | 3 | M12         | 55 | 195 | 250 | 110 | 123    |
|            | 100L        | 125            | 500            | 225            | 270            | 75     | 900            | 150            | 600            | 150            | 400            | 193            | 185             | 1006   | 3 | M12         | 55 | 195 | 250 | 110 | 123    |
|            | 112M        | 125            | 500            | 225            | 282            | 75     | 900            | 150            | 600            | 150            | 400            | 200            | 195             | 1023   | 3 | M12         | 55 | 195 | 250 | 110 | 123    |
|            | 132S        | 125            | 500            | 225            | 270            | 75     | 995            | 170            | 660            | 165            | 400            | 239            | 223             | 1090   | 3 | M12         | 55 | 195 | 250 | 110 | 131    |
|            | 132M        | 125            | 500            | 225            | 270            | 75     | 995            | 170            | 660            | 165            | 400            | 258            | 242             | 1128   | 3 | M12         | 55 | 195 | 250 | 110 | 131    |
|            | 160M        | 125            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1238   | 3 | M12         | 55 | 195 | 250 | 110 | 145    |
|            | 160L        | 125            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1283   | 3 | M12         | 55 | 195 | 250 | 110 | 145    |
| CFP50-250  | 180M        | 125            | 500            | 225            | 270            | 75     | 1120           | 190            | 740            | 190            | 440            | 351.5          | 322             | 1301.5 | 3 | M12         | 55 | 195 | 250 | 110 | 146    |
|            | 180L        | 125            | 500            | 225            | 270            | 75     | 1260           | 205            | 840            | 215            | 490            | 370.5          | 341             | 1339.5 | 3 | M12         | 55 | 195 | 250 | 110 | 156    |

| Pump Model | Motor | Pump           |                |                |                |     | Common         |                |                |                |                | Motor          |                 | *LA    | X   | Anchor Bolt |     |     |     |     | Wt. |
|------------|-------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|-----|-------------|-----|-----|-----|-----|-----|
|            | Frame | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A   | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> | M <sub>1</sub> | *M <sub>2</sub> |        |     | Fd          | Fb  | Fe  | Fh  | Fw  |     |
| CFP50-250  | 200L  | 125            | 500            | 225            | 290            | 75  | 1245           | 205            | 840            | 200            | 490            | 395.5          | 420.5           | 1444   | 3   | M12         | 55  | 195 | 250 | 110 | 158 |
|            | 225S  | 125            | 500            | 225            | 335            | 75  | 1220           | 205            | 840            | 175            | 550            | 402            | 413             | 1444   | 3   | M16         | 70  | 245 | 315 | 130 | 176 |
|            | 250S  | 125            | 500            | 225            | 360            | 75  | 1260           | 205            | 840            | 215            | 600            | 433.5          | 465             | 1527.5 | 4   | M16         | 70  | 245 | 315 | 130 | 206 |
|            | 250M  | 125            | 500            | 225            | 360            | 75  | 1420           | 230            | 940            | 250            | 600            | 452.5          | 495             | 1576.5 | 3   | M16         | 70  | 245 | 315 | 130 | 206 |
|            | 280S  | 125            | 500            | 225            | 390            | 75  | 1420           | 230            | 940            | 250            | 670            | 484            | 515             | 1628   | 4   | M16         | 70  | 245 | 315 | 130 | 217 |
| CFP50-320  | 90L   | 125            | 500            | 280            | 315            | 75  | 905            | 150            | 600            | 155            | 400            | 168.5          | 165             | 961.5  | 3   | M12         | 55  | 195 | 250 | 110 | 160 |
|            | 100L  | 125            | 500            | 280            | 315            | 75  | 905            | 150            | 600            | 155            | 400            | 193            | 185             | 1006   | 3   | M12         | 55  | 195 | 250 | 110 | 160 |
|            | 112M  | 125            | 500            | 280            | 327            | 75  | 905            | 150            | 600            | 155            | 400            | 200            | 195             | 1023   | 3   | M12         | 55  | 195 | 250 | 110 | 160 |
|            | 132S  | 125            | 500            | 280            | 315            | 75  | 990            | 170            | 660            | 160            | 440            | 239            | 223             | 1090   | 3   | M12         | 55  | 195 | 250 | 110 | 162 |
|            | 132M  | 125            | 500            | 280            | 315            | 75  | 990            | 170            | 660            | 160            | 440            | 258            | 242             | 1128   | 3   | M12         | 55  | 195 | 250 | 110 | 162 |
|            | 160M  | 125            | 500            | 280            | 315            | 75  | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1238   | 3   | M12         | 55  | 195 | 250 | 110 | 174 |
|            | 160L  | 125            | 500            | 280            | 315            | 75  | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1283   | 3   | M12         | 55  | 195 | 250 | 110 | 174 |
|            | 180M  | 125            | 500            | 280            | 335            | 75  | 1120           | 190            | 740            | 190            | 440            | 351.5          | 322             | 1301.5 | 3   | M12         | 55  | 195 | 250 | 110 | 176 |
|            | 180L  | 125            | 500            | 280            | 315            | 75  | 1265           | 205            | 840            | 220            | 490            | 370.5          | 341             | 1339.5 | 3   | M12         | 55  | 195 | 250 | 110 | 197 |
|            | 200L  | 125            | 500            | 280            | 315            | 75  | 1265           | 205            | 840            | 220            | 490            | 395.5          | 420.5           | 1444   | 3   | M12         | 55  | 195 | 250 | 110 | 195 |
|            | 225S  | 125            | 500            | 280            | 335            | 75  | 1265           | 205            | 840            | 220            | 550            | 402            | 413             | 1444   | 4   | M16         | 70  | 245 | 315 | 130 | 210 |
|            | 250S  | 125            | 500            | 280            | 335            | 75  | 1265           | 205            | 840            | 220            | 550            | 433.5          | 465             | 1527.5 | 4   | M16         | 70  | 245 | 315 | 130 | 210 |
|            | 250M  | 125            | 500            | 280            | 360            | 75  | 1375           | 230            | 940            | 205            | 600            | 452.5          | 495             | 1576.5 | 4   | M16         | 70  | 245 | 315 | 130 | 235 |
|            | 280S  | 125            | 500            | 280            | 390            | 75  | 1420           | 230            | 940            | 250            | 670            | 484            | 515             | 1628   | 4   | M16         | 70  | 245 | 315 | 130 | 248 |
| CFP80-130  | 90L   | 100            | 500            | 200            | 235            | 75  | 880            | 150            | 600            | 130            | 350            | 168.5          | 165             | 936.5  | 3   | M12         | 55  | 195 | 250 | 110 | 99  |
|            | 100L  | 100            | 500            | 200            | 235            | 75  | 880            | 150            | 600            | 130            | 350            | 193            | 185             | 981    | 3   | M12         | 55  | 195 | 250 | 110 | 99  |
|            | 112M  | 100            | 500            | 200            | 235            | 75  | 900            | 150            | 600            | 150            | 350            | 200            | 195             | 998    | 3   | M12         | 55  | 195 | 250 | 110 | 103 |
|            | 132S  | 100            | 500            | 200            | 250            | 75  | 970            | 170            | 660            | 140            | 400            | 239            | 223             | 1065   | 3   | M12         | 55  | 195 | 250 | 110 | 115 |
|            | 132M  | 100            | 500            | 200            | 250            | 75  | 970            | 170            | 660            | 140            | 400            | 258            | 242             | 1103   | 3   | M12         | 55  | 195 | 250 | 110 | 115 |
|            | 160M  | 100            | 500            | 200            | 250            | 75  | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1213   | 3   | M12         | 55  | 195 | 250 | 110 | 121 |
|            | 160L  | 100            | 500            | 200            | 250            | 75  | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1258   | 3   | M12         | 55  | 195 | 250 | 110 | 125 |
|            | 180M  | 100            | 500            | 200            | 270            | 75  | 1120           | 190            | 740            | 190            | 440            | 351.5          | 322             | 1276.5 | 3   | M12         | 55  | 195 | 250 | 110 | 127 |
|            | 180L  | 100            | 500            | 200            | 270            | 75  | 1245           | 205            | 840            | 200            | 490            | 370.5          | 341             | 1314.5 | 3   | M12         | 55  | 195 | 250 | 110 | 138 |
|            | 200L  | 100            | 500            | 200            | 290            | 75  | 1245           | 205            | 840            | 200            | 490            | 395.5          | 420.5           | 1419   | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 225S  | 100            | 500            | 200            | 335            | 75  | 1220           | 205            | 840            | 175            | 550            | 402            | 413             | 1419   | 3   | M16         | 70  | 245 | 315 | 130 | 159 |
|            | 90L   | 100            | 500            | 225            | 270            | 75  | 900            | 150            | 600            | 150            | 400            | 168.5          | 165             | 936.5  | 3   | M12         | 55  | 195 | 250 | 110 | 122 |
|            | 100L  | 100            | 500            | 225            | 270            | 75  | 900            | 150            | 600            | 150            | 400            | 193            | 185             | 981    | 3   | M12         | 55  | 195 | 250 | 110 | 122 |
|            | 112M  | 100            | 500            | 225            | 282            | 75  | 900            | 150            | 600            | 150            | 400            | 200            | 195             | 998    | 3   | M12         | 55  | 195 | 250 | 110 | 122 |
| CFP80-200  | 132S  | 100            | 500            | 225            | 270            | 75  | 995            | 170            | 660            | 165            | 400            | 239            | 223             | 1065   | 3   | M12         | 55  | 195 | 250 | 110 | 130 |
|            | 132M  | 100            | 500            | 225            | 270            | 75  | 995            | 170            | 660            | 165            | 400            | 258            | 242             | 1103   | 3   | M12         | 55  | 195 | 250 | 110 | 133 |
|            | 160M  | 100            | 500            | 225            | 270            | 75  | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1213   | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 160L  | 100            | 500            | 225            | 270            | 75  | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1258   | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 180M  | 100            | 500            | 225            | 270            | 75  | 1120           | 190            | 740            | 190            | 440            | 351.5          | 322             | 1276.5 | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 180L  | 100            | 500            | 225            | 270            | 75  | 1260           | 205            | 840            | 215            | 490            | 370.5          | 341             | 1314.5 | 3   | M12         | 55  | 195 | 250 | 110 | 156 |
|            | 200L  | 100            | 500            | 225            | 290            | 75  | 1245           | 205            | 840            | 200            | 490            | 395.5          | 420.5           | 14199  | 3   | M12         | 55  | 195 | 250 | 110 | 162 |
|            | 225S  | 100            | 500            | 225            | 335            | 75  | 1220           | 205            | 840            | 175            | 550            | 402            | 413             | 1419   | 3   | M16         | 70  | 245 | 315 | 130 | 176 |
|            | 250S  | 100            | 500            | 225            | 335            | 75  | 1260           | 205            | 840            | 215            | 600            | 433.5          | 465             | 1502.5 | 3   | M16         | 70  | 245 | 315 | 130 | 176 |
|            | 250M  | 100            | 500            | 225            | 360            | 75  | 1420           | 230            | 940            | 250            | 600            | 452.5          | 495             | 1551.5 | 3   | M16         | 70  | 245 | 315 | 130 | 206 |
|            | 280S  | 100            | 500            | 225            | 390            | 75  | 1420           | 230            | 940            | 250            | 670            | 484            | 515             | 1630   | 4   | M16         | 70  | 245 | 315 | 130 | 218 |
|            | 90L   | 125            | 500            | 250            | 290            | 90  | 915            | 150            | 600            | 165            | 440            | 168.5          | 165.5           | 961.5  | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 100L  | 125            | 500            | 250            | 290            | 90  | 915            | 150            | 600            | 165            | 440            | 193            | 185             | 996    | 3   | M12         | 55  | 195 | 250 | 110 | 145 |
|            | 112M  | 125            | 500            | 250            | 302            | 90  | 915            | 150            | 600            | 165            | 440            | 200            | 195             | 1023   | 3   | M12         | 55  | 195 | 250 | 110 | 146 |
| 132S       | 125   | 500            | 250            | 315            | 90             | 990 | 170            | 660            | 160            | 440            | 239            | 223            | 1090            | 3      | M12 | 55          | 195 | 250 | 110 | 155 |     |
| CFP80-250  | 132M  | 125            | 500            | 250            | 315            | 90  | 990            | 170            | 660            | 160            | 440            | 258            | 242             | 1128   | 3   | M12         | 55  | 195 | 250 | 110 | 155 |
|            | 160M  | 125            | 500            | 250            | 315            | 90  | 1120           | 190            | 740            | 190            | 440            | 323            | 287             | 1238   | 3   | M12         | 55  | 195 | 250 | 110 | 165 |
|            | 160L  | 125            | 500            | 250            | 315            | 90  | 1120           | 190            | 740            | 190            | 440            | 345            | 310             | 1283   | 3   | M12         | 55  | 195 | 250 | 110 | 165 |
|            | 180M  | 125            | 500            | 250            | 290            | 90  | 1120           | 190            | 740            | 190            | 440            | 351.5          | 322             | 1301.5 | 3   | M12         | 55  | 195 | 250 | 110 | 163 |
|            | 180L  | 125            | 500            | 250            | 290            | 90  | 1260           | 205            | 840            | 215            | 490            | 370.5          | 341             | 1339.5 | 3   | M12         | 55  | 195 | 250 | 110 | 179 |
|            | 200L  | 125            | 500            | 250            | 290            | 90  | 1260           | 205            | 840            | 215            | 490            | 395.5          | 420.5           | 1444   | 3   | M12         | 55  | 195 | 250 | 110 | 175 |
|            | 225S  | 125            | 500            | 250            | 335            | 90  | 1265           | 205            | 840            | 220            | 550            | 402            | 413             | 1443   | 4   | M16         | 70  | 245 | 315 | 130 | 195 |
|            | 250S  | 125            | 500            | 250            | 335            | 90  | 1265           | 205            | 840            | 220            | 550            | 433.5          | 463.5           | 1506   | 4   | M16         | 70  | 245 | 315 | 130 | 195 |
|            | 250M  | 125            | 500            | 250            | 360            | 90  | 1420           | 230            | 940            | 250            | 600            | 452.5          | 495             | 1576.5 | 4   | M16         | 70  | 245 | 315 | 130 | 220 |
|            | 280S  | 125            | 500            | 250            | 390            | 90  | 1420           | 230            | 940            | 250            | 670            | 484            | 515             | 1628   | 4   | M16         | 70  | 245 | 315 | 130 | 230 |
|            | 280M  | 125            | 500            | 250            | 390            | 90  | 1420           | 230            | 940            | 250            | 670            | 509.5          | 545.5           | 1684   | 4   | M16         | 70  | 245 | 315 | 130 | 230 |
|            | 315S  | 125            | 500            | 250            | 425            | 90  | 1590           | 270            | 1060           | 260            | 750            | 529            | 575             | 1733   | 4   | M20         | 80  | 315 | 400 | 150 |     |

Outline Dimensions

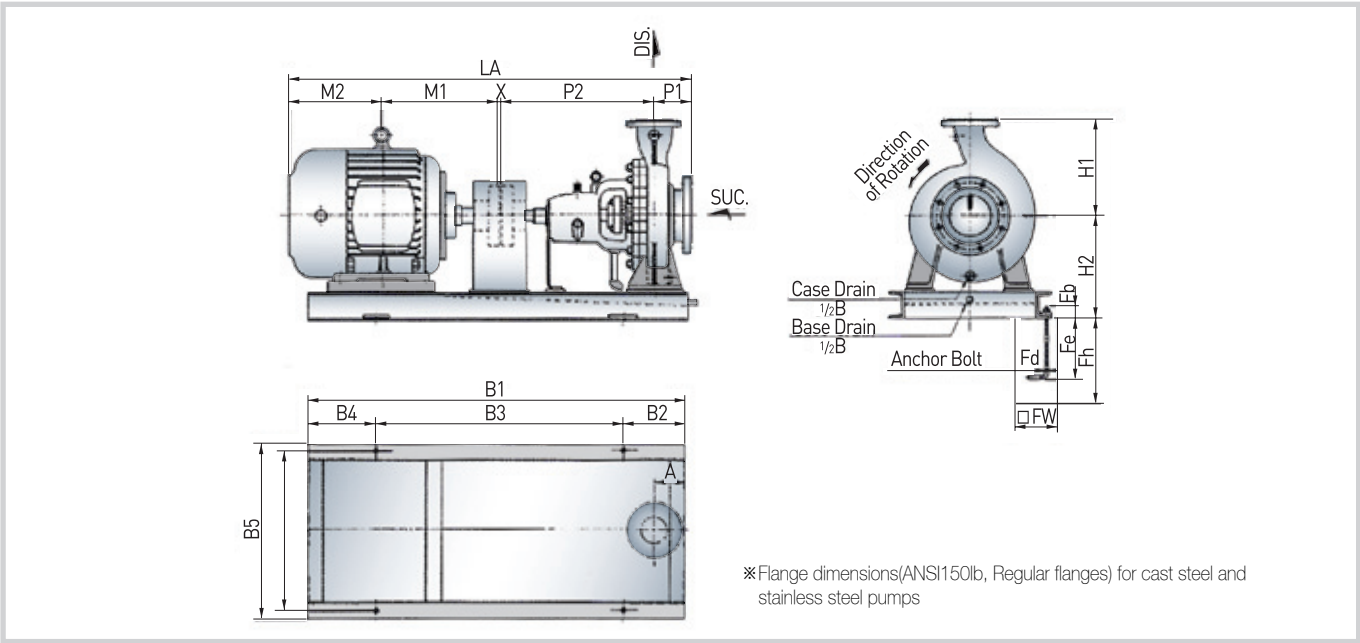
C-series foot support process pump



| Unit (mm)    |       |       |                |                |                |                |      |                |                |                |                |                |       |        |                |                 |     |     |     |     |     |
|--------------|-------|-------|----------------|----------------|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|-------|--------|----------------|-----------------|-----|-----|-----|-----|-----|
| Pump Model   | Motor | Pump  |                |                |                | Common         |      |                |                |                | Motor          |                | *LA   | X      | Anchor Bolt    |                 |     |     |     | Wt. |     |
|              |       | Frame | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A    | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> |       |        | M <sub>1</sub> | *M <sub>2</sub> | Fd  | Fb  | Fe  |     | Fh  |
| CFP80-320    | 112M  | 125   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 200            | 195   | 1053   | 3              | M12             | 55  | 195 | 250 | 110 | 200 |
|              | 132S  | 125   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 239            | 223   | 1120   | 3              | M12             | 55  | 195 | 250 | 110 | 200 |
|              | 132M  | 125   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 258            | 242   | 1158   | 3              | M12             | 55  | 195 | 250 | 110 | 200 |
|              | 160M  | 125   | 530            | 280            | 343            | 90             | 1115 | 190            | 740            | 185            | 490            | 323            | 287   | 1268   | 3              | M12             | 55  | 195 | 250 | 110 | 208 |
|              | 160L  | 125   | 530            | 280            | 315            | 90             | 1255 | 205            | 840            | 210            | 490            | 345            | 310   | 1313   | 3              | M12             | 55  | 195 | 250 | 110 | 215 |
|              | 180M  | 125   | 530            | 280            | 315            | 90             | 1265 | 205            | 840            | 220            | 490            | 351.5          | 322   | 1331.5 | 3              | M12             | 55  | 195 | 250 | 110 | 225 |
|              | 180L  | 125   | 530            | 280            | 315            | 90             | 265  | 205            | 840            | 220            | 490            | 370.5          | 341   | 1369.5 | 3              | M12             | 55  | 195 | 250 | 110 | 230 |
|              | 200L  | 125   | 530            | 280            | 315            | 90             | 1265 | 205            | 840            | 220            | 490            | 425.5          | 420.5 | 1505   | 4              | M12             | 55  | 195 | 250 | 110 | 226 |
|              | 225S  | 125   | 530            | 280            | 335            | 90             | 1265 | 205            | 840            | 220            | 550            | 402            | 413   | 1474   | 3              | M16             | 70  | 245 | 315 | 130 | 226 |
|              | 250S  | 125   | 530            | 280            | 360            | 90             | 1375 | 230            | 940            | 205            | 600            | 433.5          | 465   | 1557.5 | 4              | M16             | 70  | 245 | 315 | 130 | 238 |
|              | 250M  | 125   | 530            | 280            | 360            | 90             | 1375 | 230            | 940            | 205            | 600            | 452.5          | 495   | 1605.5 | 3              | M16             | 70  | 245 | 315 | 130 | 252 |
|              | 280S  | 125   | 530            | 280            | 390            | 90             | 1420 | 230            | 940            | 250            | 670            | 484            | 515   | 1658   | 4              | M16             | 70  | 245 | 315 | 130 | 255 |
|              | 280M  | 125   | 530            | 280            | 390            | 90             | 1560 | 270            | 1060           | 230            | 670            | 509.5          | 545.5 | 1714   | 4              | M16             | 70  | 245 | 315 | 130 | 65  |
|              | 315S  | 125   | 530            | 280            | 425            | 90             | 1590 | 270            | 1060           | 260            | 750            | 529            | 575   | 1763   | 4              | M16             | 70  | 245 | 315 | 130 | 310 |
|              | 90L   | 125   | 500            | 250            | 290            | 90             | 915  | 150            | 600            | 165            | 440            | 168.5          | 165   | 961.5  | 3              | M12             | 55  | 195 | 250 | 110 | 130 |
|              | 100L  | 125   | 500            | 250            | 290            | 90             | 915  | 150            | 600            | 165            | 440            | 185            | 185   | 1006   | 3              | M12             | 55  | 195 | 250 | 110 | 130 |
| CFP 100-160  | 112M  | 125   | 500            | 250            | 302            | 90             | 915  | 150            | 600            | 165            | 440            | 200            | 195   | 1023   | 3              | M12             | 55  | 195 | 250 | 110 | 131 |
|              | 132S  | 125   | 500            | 250            | 315            | 90             | 990  | 170            | 660            | 160            | 440            | 239            | 223   | 1090   | 3              | M12             | 55  | 195 | 250 | 110 | 136 |
|              | 132M  | 125   | 500            | 250            | 315            | 90             | 990  | 170            | 660            | 160            | 440            | 258            | 242   | 1028   | 3              | M12             | 55  | 195 | 250 | 110 | 148 |
|              | 160M  | 125   | 500            | 250            | 315            | 90             | 1120 | 190            | 740            | 190            | 440            | 323            | 287   | 1238   | 3              | M12             | 55  | 195 | 250 | 110 | 148 |
|              | 160L  | 125   | 500            | 250            | 315            | 90             | 1120 | 190            | 740            | 190            | 440            | 345            | 310   | 1283   | 3              | M12             | 55  | 195 | 250 | 110 | 143 |
|              | 200L  | 125   | 500            | 250            | 290            | 90             | 1260 | 205            | 840            | 215            | 490            | 395.5          | 420.5 | 1444   | 3              | M12             | 55  | 195 | 250 | 110 | 143 |
|              | 180M  | 125   | 500            | 250            | 290            | 90             | 1120 | 190            | 740            | 190            | 440            | 351.5          | 322   | 1301.5 | 3              | M12             | 55  | 195 | 250 | 110 | 148 |
|              | 180L  | 125   | 500            | 250            | 290            | 90             | 1260 | 205            | 840            | 215            | 490            | 470.5          | 441   | 1339.5 | 4              | M12             | 55  | 195 | 250 | 110 | 164 |
|              | 200L  | 125   | 500            | 250            | 290            | 90             | 1260 | 205            | 840            | 215            | 490            | 495.5          | 420.5 | 1444   | 3              | M12             | 55  | 195 | 250 | 110 | 160 |
|              | 225S  | 125   | 500            | 250            | 335            | 90             | 1265 | 205            | 840            | 220            | 550            | 402            | 414   | 1444   | 4              | M16             | 70  | 245 | 315 | 130 | 180 |
|              | 250S  | 125   | 500            | 250            | 360            | 90             | 1260 | 205            | 840            | 215            | 600            | 433.5          | 465.5 | 1527.5 | 4              | M16             | 70  | 245 | 315 | 130 | 180 |
|              | 250M  | 125   | 500            | 250            | 360            | 90             | 1420 | 230            | 940            | 250            | 600            | 452.5          | 495   | 1527.5 | 4              | M16             | 70  | 245 | 315 | 130 | 205 |
|              | 280S  | 125   | 500            | 250            | 390            | 90             | 1420 | 230            | 940            | 250            | 670            | 484            | 515   | 1628   | 4              | M16             | 70  | 245 | 315 | 130 | 216 |
|              | 112M  | 140   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 200            | 195   | 1068   | 3              | M12             | 55  | 195 | 250 | 110 | 185 |
|              | 132S  | 140   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 239            | 223   | 1135   | 3              | M12             | 55  | 195 | 250 | 110 | 160 |
|              | 132M  | 140   | 530            | 280            | 315            | 90             | 1020 | 170            | 660            | 190            | 490            | 258            | 242   | 1173   | 3              | M12             | 55  | 195 | 250 | 110 | 185 |
| 160M         | 140   | 530   | 280            | 343            | 90             | 1115           | 190  | 740            | 185            | 490            | 323            | 287            | 1238  | 3      | M12            | 55              | 195 | 250 | 110 | 195 |     |
| CFP 100-200  | 160L  | 140   | 530            | 280            | 315            | 90             | 1255 | 205            | 840            | 210            | 490            | 345            | 310   | 1328   | 3              | M12             | 55  | 195 | 250 | 110 | 200 |
|              | 180M  | 140   | 530            | 280            | 315            | 90             | 1265 | 205            | 840            | 220            | 490            | 351.5          | 322   | 1346.5 | 3              | M12             | 55  | 195 | 250 | 110 | 210 |
|              | 180L  | 140   | 530            | 280            | 315            | 90             | 1265 | 205            | 840            | 220            | 490            | 370.5          | 341   | 1384.5 | 3              | M12             | 55  | 195 | 250 | 110 | 215 |
|              | 200L  | 140   | 530            | 280            | 315            | 90             | 1265 | 205            | 840            | 220            | 55             | 395.5          | 413   | 1489   | 3              | M12             | 55  | 195 | 250 | 110 | 210 |
| CFP 100-250X | 225S  | 140   | 530            | 280            | 335            | 90             | 1265 | 205            | 840            | 220            | 550            | 402            | 413   | 1489   | 4              | M16             | 70  | 245 | 315 | 130 | 222 |
|              | 250S  | 140   | 530            | 280            | 360            | 90             | 1375 | 230            | 940            | 205            | 550            | 433.5          | 465   | 1572.5 | 4              | M16             | 70  | 245 | 315 | 130 | 222 |
|              | 250M  | 140   | 530            | 280            | 360            | 90             | 1375 | 230            | 940            | 205            | 600            | 452.5          | 495   | 1621.5 | 4              | M16             | 70  | 245 | 315 | 130 | 240 |
|              | 280S  | 140   | 530            | 280            | 390            | 90             | 1420 | 230            | 940            | 250            | 670            | 484            | 515   | 1673   | 4              | M16             | 70  | 245 | 315 | 130 | 240 |
| 280M         | 140   | 530   | 280            | 390            | 90             | 1560           | 270  | 1060           | 230            | 670            | 209.5          | 545.5          | 1729  | 4      | M16            | 70              | 245 | 315 | 130 | 250 |     |
| 315S         | 140   | 530   | 280            | 425            | 90             | 1590           | 270  | 1060           | 260            | 750            | 529            | 575            | 1778  | 4      | M16            | 70              | 245 | 315 | 130 | 295 |     |
| 315M         | 140   | 530   | 280            | 425            | 90             | 1590           | 270  | 1060           | 260            | 750            | 554.5          | 620.5          | 1849  | 4      | M16            | 70              | 245 | 315 | 130 | 295 |     |

Outline Dimensions

C-series foot support process pump

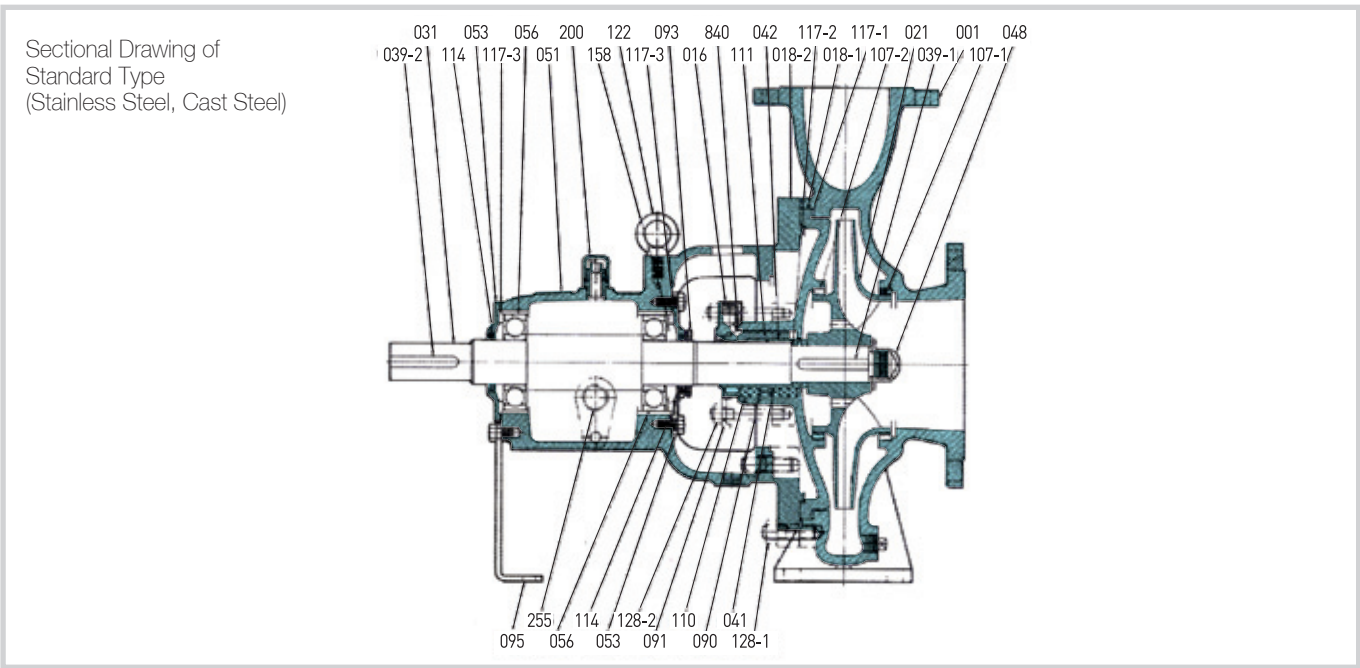


| Pump Model  | Motor Frame | Pump           |                |                |                |     | Common         |                |                |                |                | Motor          |                 | *LA    | X | Anchor Bolt |    |     |     |     | Wt. kg |
|-------------|-------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|---|-------------|----|-----|-----|-----|--------|
|             |             | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A   | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> | M <sub>1</sub> | *M <sub>2</sub> |        |   | Fd          | Fb | Fe  | Fh  | Fw  |        |
| CFP 250-250 | 200L        | 225            | 695            | 560            | 485            | 170 | 1545           | 270            | 1060           | 215            | 750            | 425.5          | 420.5           | 1770   | 4 | M20         | 85 | 315 | 400 | 150 | 637    |
|             | 225S        | 225            | 695            | 560            | 485            | 170 | 1545           | 270            | 1060           | 215            | 550            | 432            | 413             | 1769   | 4 | M20         | 85 | 315 | 400 | 150 | 627    |
|             | 250S        | 225            | 695            | 560            | 485            | 170 | 1650           | 270            | 1060           | 215            | 550            | 463.5          | 465             | 1852.5 | 4 | M20         | 85 | 315 | 400 | 150 | 632    |
|             | 250M        | 225            | 695            | 560            | 485            | 170 | 1650           | 270            | 1060           | 290            | 750            | 482.5          | 495             | 1901.5 | 4 | M20         | 85 | 315 | 400 | 150 | 656    |
|             | 280S        | 225            | 695            | 560            | 485            | 170 | 1850           | 300            | 1200           | 315            | 750            | 544            | 515             | 1983.5 | 4 | M20         | 85 | 315 | 400 | 150 | 713    |
|             | 280M        | 225            | 695            | 560            | 485            | 170 | 1850           | 300            | 1200           | 315            | 750            | 569.5          | 545.5           | 2039   | 4 | M20         | 85 | 315 | 400 | 150 | 713    |
|             | 315S        | 225            | 695            | 560            | 485            | 170 | 1850           | 300            | 1200           | 315            | 750            | 589            | 575             | 2088   | 4 | M20         | 85 | 315 | 400 | 150 | 697    |
| CFP 200-320 | 315M        | 225            | 695            | 560            | 485            | 170 | 1850           | 300            | 1200           | 315            | 750            | 614.5          | 620.5           | 2159   | 4 | M20         | 85 | 315 | 400 | 150 | 697    |
|             | 200L        | 180            | 670            | 560            | 485            | 170 | 1545           | 270            | 1060           | 215            | 750            | 420.5          | 420.5           | 1700   | 4 | M20         | 85 | 315 | 400 | 150 | 597    |
|             | 225S        | 180            | 670            | 560            | 485            | 170 | 1545           | 270            | 1060           | 215            | 750            | 432            | 413             | 1699   | 4 | M20         | 85 | 315 | 400 | 150 | 587    |
|             | 250S        | 180            | 670            | 560            | 485            | 170 | 1655           | 270            | 1060           | 320            | 750            | 463.5          | 465             | 1782.5 | 4 | M20         | 85 | 315 | 400 | 150 | 592    |
|             | 250M        | 180            | 670            | 560            | 485            | 170 | 1650           | 270            | 1060           | 320            | 750            | 482.5          | 495             | 1831.5 | 4 | M20         | 85 | 315 | 400 | 150 | 616    |
|             | 280S        | 180            | 670            | 560            | 515            | 170 | 1650           | 270            | 1060           | 320            | 750            | 544            | 515             | 1913   | 4 | M20         | 85 | 315 | 400 | 150 | 636    |
|             | 280M        | 180            | 670            | 560            | 485            | 170 | 1850           | 300            | 1200           | 310            | 750            | 569.5          | 545.5           | 1969   | 4 | M20         | 85 | 315 | 400 | 150 | 673    |
| CFP 200-400 | 315S        | 180            | 670            | 560            | 480            | 170 | 1850           | 300            | 1200           | 310            | 750            | 589            | 575             | 2018   | 4 | M20         | 85 | 315 | 400 | 150 | 656    |
|             | 315M        | 180            | 670            | 560            | 480            | 170 | 1850           | 300            | 1200           | 310            | 750            | 614.5          | 620.5           | 2089   | 4 | M20         | 85 | 315 | 400 | 150 | 656    |
|             | 250M        | 200            | 820            | 630            | 535            | 170 | 1810           | 300            | 1200           | 310            | 750            | 482.5          | 495             | 2001.5 | 4 | M20         | 85 | 315 | 400 | 150 | 803    |
|             | 280S        | 200            | 820            | 630            | 565            | 170 | 1810           | 300            | 1200           | 310            | 750            | 544            | 515             | 5083   | 4 | M20         | 85 | 315 | 400 | 150 | 813    |
|             | 280M        | 200            | 820            | 630            | 535            | 170 | 2120           | 340            | 1320           | 460            | 750            | 569.5          | 545.5           | 2139   | 4 | M20         | 85 | 315 | 400 | 150 | 855    |
|             | 315S        | 200            | 820            | 630            | 570            | 170 | 2120           | 340            | 1320           | 460            | 750            | 589            | 575             | 2188   | 4 | M20         | 85 | 315 | 400 | 150 | 867    |
|             | 315M        | 200            | 820            | 630            | 570            | 170 | 2120           | 340            | 1320           | 460            | 750            | 614.5          | 620.5           | 2259   | 4 | M20         | 85 | 315 | 400 | 150 | 867    |

- 주 : 1. 표시된 전동기는 F종 절연, 전폐형, 팬냉각, 저압 3상, 농형, 유도전동기입니다.  
2. \*표시의 M<sub>2</sub>와 LA의 치수는 전동기 제작사에 따라 다소의 차이가 있습니다.  
3. 치수는 사전 통보없이 제품의 개선에 의해 변경될 수 있습니다.  
4. Base Plate 치수는 참조치수이므로 Foundation을 위한 상세치수는 사양서를 참조하십시오.
1. The motor output classification numbers shown are those for ordinary F class totally-enclosed, fan-cooled low-voltage 3-phase squirrel cage induction motors.  
2. Asterisked M<sub>2</sub> and LA dimension vary to a certain extent, depending on motor manufacturers.  
3. The dimensions and all specifications are subject to change without notice.  
4. Base plate dimensions are only reference. For accurate dimension, please submit a inquiry.

| Pump Model  | Motor Frame | Pump           |                |                |                |     | Common         |                |                |                |                | Motor          |                 | *LA     | X | Anchor Bolt |    |     |     |     | Wt. kg |
|-------------|-------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------|---|-------------|----|-----|-----|-----|--------|
|             |             | P <sub>1</sub> | P <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | A   | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | B <sub>4</sub> | B <sub>5</sub> | M <sub>1</sub> | *M <sub>2</sub> |         |   | Fd          | Fb | Fe  | Fh  | Fw  |        |
| CFP 200-200 | 160M        | 180            | 565            | 400            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 323            | 287             | 1358    | 3 | M16         | 70 | 245 | 315 | 130 | 336    |
|             | 160L        | 180            | 565            | 400            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 345            | 310             | 1403    | 3 | M16         | 70 | 245 | 315 | 130 | 336    |
|             | 180M        | 180            | 565            | 400            | 425.5          | 110 | 1275           | 205            | 840            | 230            | 600            | 351.5          | 322             | 1421.5  | 3 | M16         | 70 | 245 | 315 | 130 | 330    |
|             | 180L        | 180            | 565            | 400            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 370.5          | 341             | 1460.5  | 4 | M16         | 70 | 245 | 315 | 130 | 332    |
|             | 200L        | 180            | 565            | 400            | 425            | 110 | 1470           | 230            | 940            | 300            | 600            | 425.5          | 420.5           | 1595    | 4 | M16         | 70 | 245 | 315 | 130 | 352    |
|             | 225S        | 180            | 565            | 400            | 425            | 110 | 1440           | 230            | 940            | 270            | 600            | 432            | 413             | 1594    | 4 | M16         | 70 | 245 | 315 | 130 | 370    |
|             | 250S        | 180            | 565            | 400            | 425            | 110 | 1440           | 230            | 940            | 270            | 600            | 463.5          | 465             | 1677    | 4 | M16         | 70 | 245 | 315 | 130 | 375    |
|             | 250M        | 180            | 565            | 400            | 425            | 110 | 1440           | 230            | 940            | 270            | 600            | 482.5          | 495             | 1726.5  | 4 | M16         | 70 | 245 | 315 | 130 | 360    |
|             | 280S        | 180            | 565            | 400            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 544            | 515             | 1808    | 4 | M16         | 70 | 245 | 315 | 130 | 382    |
|             | 280M        | 180            | 565            | 400            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 569.5          | 545.5           | 1844    | 4 | M16         | 70 | 245 | 315 | 130 | 398    |
| CFP 200-250 | 160L        | 160            | 565            | 450            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 345            | 310             | 1383    | 3 | M16         | 70 | 245 | 315 | 130 | 350    |
|             | 180M        | 160            | 565            | 450            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 351.5          | 322             | 1404.4  | 3 | M16         | 70 | 245 | 315 | 130 | 345    |
|             | 180L        | 160            | 565            | 450            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 370.5          | 341             | 1440.5  | 4 | M16         | 70 | 245 | 315 | 130 | 348    |
|             | 200L        | 160            | 565            | 450            | 425            | 110 | 1275           | 205            | 840            | 230            | 600            | 425.5          | 420.5           | 1575    | 4 | M16         | 70 | 245 | 315 | 130 | 356    |
|             | 225S        | 160            | 565            | 450            | 425            | 110 | 1445           | 230            | 940            | 270            | 600            | 432            | 413             | 1574    | 4 | M16         | 70 | 245 | 315 | 130 | 385    |
|             | 250S        | 160            | 565            | 450            | 425            | 110 | 1445           | 230            | 940            | 270            | 600            | 463.5          | 463             | 1657.5  | 4 | M16         | 70 | 245 | 315 | 130 | 390    |
|             | 250M        | 160            | 565            | 450            | 425            | 110 | 1445           | 230            | 940            | 270            | 600            | 482.5          | 495             | 1706.5  | 4 | M16         | 70 | 245 | 315 | 130 | 376    |
|             | 280S        | 160            | 565            | 450            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 544            | 515             | 1788    | 4 | M16         | 70 | 245 | 315 | 130 | 398    |
|             | 280M        | 160            | 565            | 450            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 569.5          | 545.5           | 1844    | 4 | M16         | 70 | 245 | 315 | 130 | 398    |
|             | 315S        | 160            | 565            | 450            | 425            | 110 | 1670           | 270            | 1200           | 170            | 750            | 589            | 575             | 1998    | 4 | M20         | 85 | 315 | 400 | 150 | 530    |
| CFP 150-320 | 160L        | 160            | 670            | 450            | 425            | 110 | 1405           | 230            | 940            | 235            | 670            | 345            | 310             | 1488    | 3 | M16         | 70 | 245 | 315 | 130 | 462    |
|             | 180M        | 160            | 670            | 450            | 425            | 110 | 1405           | 230            | 940            | 235            | 670            | 351.5          | 322             | 1506.5  | 3 | M16         | 70 | 245 | 315 | 130 | 456    |
|             | 180L        | 160            | 670            | 450            | 425            | 110 | 1405           | 230            | 940            | 235            | 670            | 370.5          | 341             | 1545.55 | 4 | M16         | 70 | 245 | 315 | 130 | 456    |
|             | 200L        | 160            | 670            | 450            | 425            | 110 | 1405           | 230            | 940            | 235            | 670            | 425.5          | 420.5           | 1680    | 4 | M16         | 70 | 245 | 315 | 130 | 464    |
|             | 225S        | 160            | 670            | 450            | 425            | 110 | 1635           | 270            | 1060           | 305            | 670            | 432            | 413             | 1679    | 4 | M16         | 70 | 245 | 315 | 130 | 514    |
|             | 250S        | 160            | 670            | 450            | 425            | 110 | 1640           | 270            | 1060           | 315            | 670            | 463.5          | 465             | 1762.5  | 4 | M16         | 70 | 245 | 315 | 130 | 520    |
|             | 250M        | 160            | 670            | 450            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 482.5          | 495             | 1811.5  | 4 | M16         | 70 | 245 | 315 | 130 | 512    |
|             | 280S        | 160            | 670            | 450            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 544            | 515             | 1893    | 4 | M16         | 70 | 245 | 315 | 130 | 496    |
|             | 280M        | 160            | 670            | 450            | 425            | 110 | 1640           | 270            | 1060           | 310            | 670            | 569.5          | 545.5           | 1949    | 4 | M16         | 70 | 245 | 315 | 130 | 496    |
|             | 315S        | 160            | 670            | 450            | 425            | 110 | 1670           | 270            | 1200           | 170            | 750            | 589            | 575             | 1998    | 4 | M20         | 85 | 315 | 400 | 150 | 530    |
| CFP 150-400 | 200L        | 180            | 820            | 560            | 485            | 110 | 1610           | 270            | 1060           | 280            | 670            | 425.5          | 420.5           | 1850    | 4 | M16         | 70 | 245 | 315 | 130 | 612    |
|             | 225S        | 180            | 820            | 560            | 485            | 110 | 1610           | 270            | 1060           | 280            | 670            | 432            | 413             | 1849    | 4 | M16         | 70 | 245 | 315 | 130 | 630    |
|             | 250S        | 180            | 820            | 560            | 510            | 110 | 1840           | 300            | 1200           | 280            | 670            | 463.5          | 465             | 1932.5  | 4 | M16         | 70 | 245 | 315 | 130 | 630    |
|             | 250M        | 180            | 820            | 560            | 510            | 110 | 1840           | 300            | 1200           | 310            | 670            | 482.5          | 495             | 1981.5  | 4 | M20         | 85 | 315 | 400 | 150 | 678    |
|             | 280S        | 180            | 820            | 560            | 485            | 110 | 1820           | 300            | 1200           | 290            | 670            | 544            | 515             | 2063    | 4 | M20         | 85 | 315 | 400 | 150 | 680    |
|             | 280M        | 180            | 820            | 560            | 485            | 110 | 1820           | 300            | 1200           | 290            | 670            | 569.5          | 455.5           | 2119    | 4 | M20         | 85 | 315 | 400 | 150 | 680    |
|             | 315S        | 180            | 820            | 560            | 485            | 110 | 2050           | 340            | 1320           | 390            | 750            | 589            | 575             | 2168    | 4 | M20         | 85 | 315 | 400 | 150 | 696    |
|             | 315M        | 180            | 820            | 560            | 485            | 110 | 2050           | 340            | 1320           | 390            | 750            | 614.5          | 620.5           | 2239    | 4 | M20         | 85 | 315 | 400 | 150 | 6      |

# Sectional Drawing



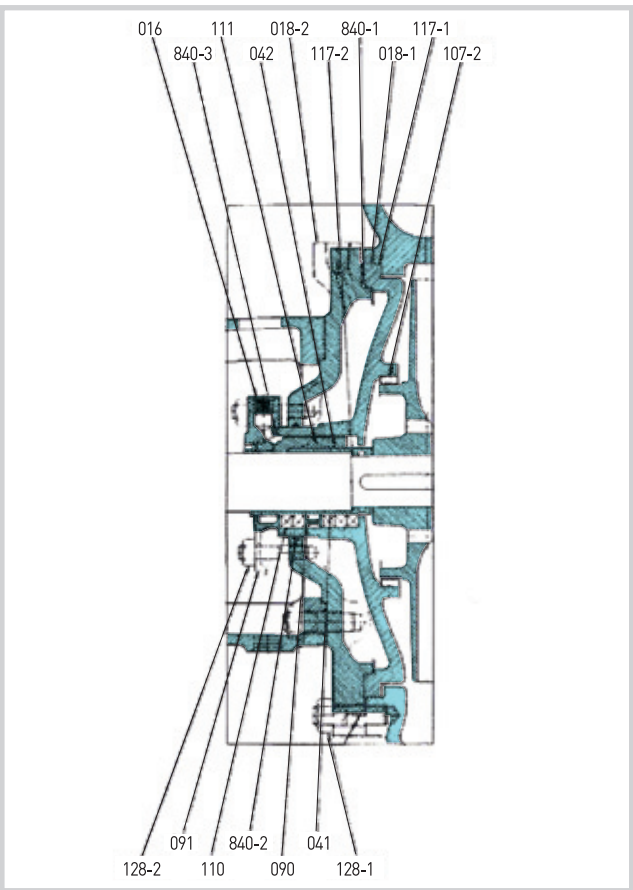
## Part List

| No.   | 부품명 / Name of part                         |
|-------|--------------------------------------------|
| 001   | 케이싱 / Casing                               |
| 016   | 씰 커버 / Seal Cover                          |
| 018-1 | 글랜드 커버(I) / Gland Cover (I)                |
| 018-2 | 글랜드 커버(II) / Gland Cover (II)              |
| 021   | 회전차 / Impeller                             |
| 031   | 주축 / Shaft                                 |
| 039-1 | 회전차 키 / Impeller Key                       |
| 039-2 | 커플링 키 / Coupling Key                       |
| 041   | 패킹부 슬리브 / Packing Sleeve                   |
| 042   | 메카니컬 씰 슬리브 / Mechanical Seal Sleeve        |
| 048   | 회전차 너트 / Impeller Nut                      |
| 051   | 베어링 하우징 / Bearing Housing                  |
| 053   | 베어링 커버 / Bearing Cover                     |
| 056   | 볼 베어링 / Ball Bearing                       |
| 066   | 냉각 커버 / Cooling Cover                      |
| 090   | 랜턴 링 / Lantern Ring                        |
| 091   | 패킹 누르개 / Packing Gland                     |
| 093   | 수절링 / Flinger                              |
| 095   | 지지각 / Stay                                 |
| 107-1 | 라이너 링 / Liner Ring                         |
| 107-2 | 라이너 링 / Liner Ring                         |
| 110   | 글랜드 패킹 / Gland Packing                     |
| 111   | 메카니컬 씰 / Mechanical Seal                   |
| 114   | 오일 씰 / Oil Seal                            |
| 117-1 | 케이싱용 SHEET GASKET / Sheet Gasket           |
| 117-2 | 축슬리브용 SHEET GASKET / Shaft Sleeve Gasket   |
| 117-3 | 베어링커버용 SHEET GASKET / Bearing Cover Gasket |
| 117-4 | 냉각커버용 SHEET GASKET / Cooling Cover Gasket  |
| 122   | 아이 볼트 / Eye Bolt                           |
| 128-1 | 케이싱 체결 볼트 / Casing Set Bolt                |
| 128-2 | 글랜드 볼트 / Mechanical Seal Cover Bolt        |
| 158   | 웨이브 와셔 / Wave Washer                       |
| 200   | 공기빼기 HOLE / Air Vent                       |
| 255   | 유면계 / Oil Level Gauge                      |
| 840-1 | 글랜드 커버용 O링 / Gland Cover O-Ring            |
| 840-2 | 클 커버용 O링 / Gland Cover O-Ring              |
| 840-3 | 메카니컬 씰용 O링 / Mechanical Seal Cover O-Ring  |

주 : 상기 재료 조합외에 각종 요구에 부응하여 제작하고 있습니다.

Notes : Combinations of parts in materials other than listed above are also available upon request.

## Stuffing Box with Cooling Jacket



주 : Cooling Jacket을 갖는 Stuffing Box Stainless Steel과 Cast Steel Pump에만  
사용가능합니다.

Notes : Combinations of parts in materials other than listed above are also available upon request.

# CFP

C-series foot support process pump



World Best Pump