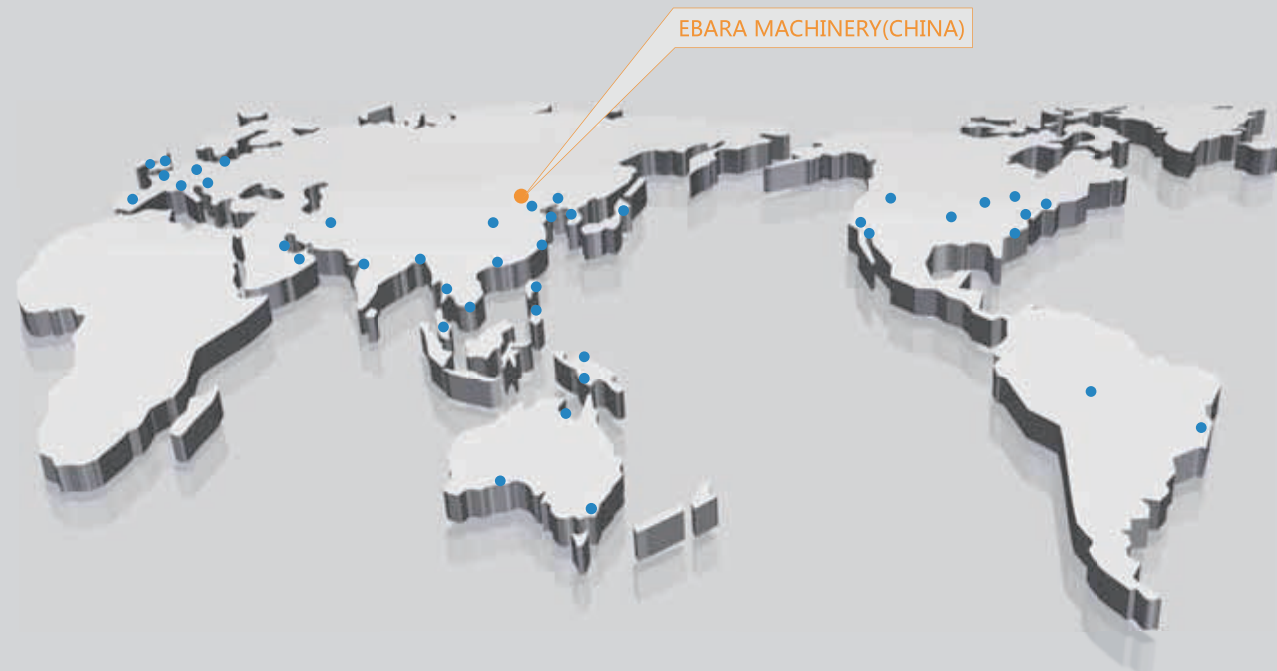




EBARA



EBARA MACHINERY(CHINA)

# FSSC

## END SUCTION VOLUTE PUMP



50HZ



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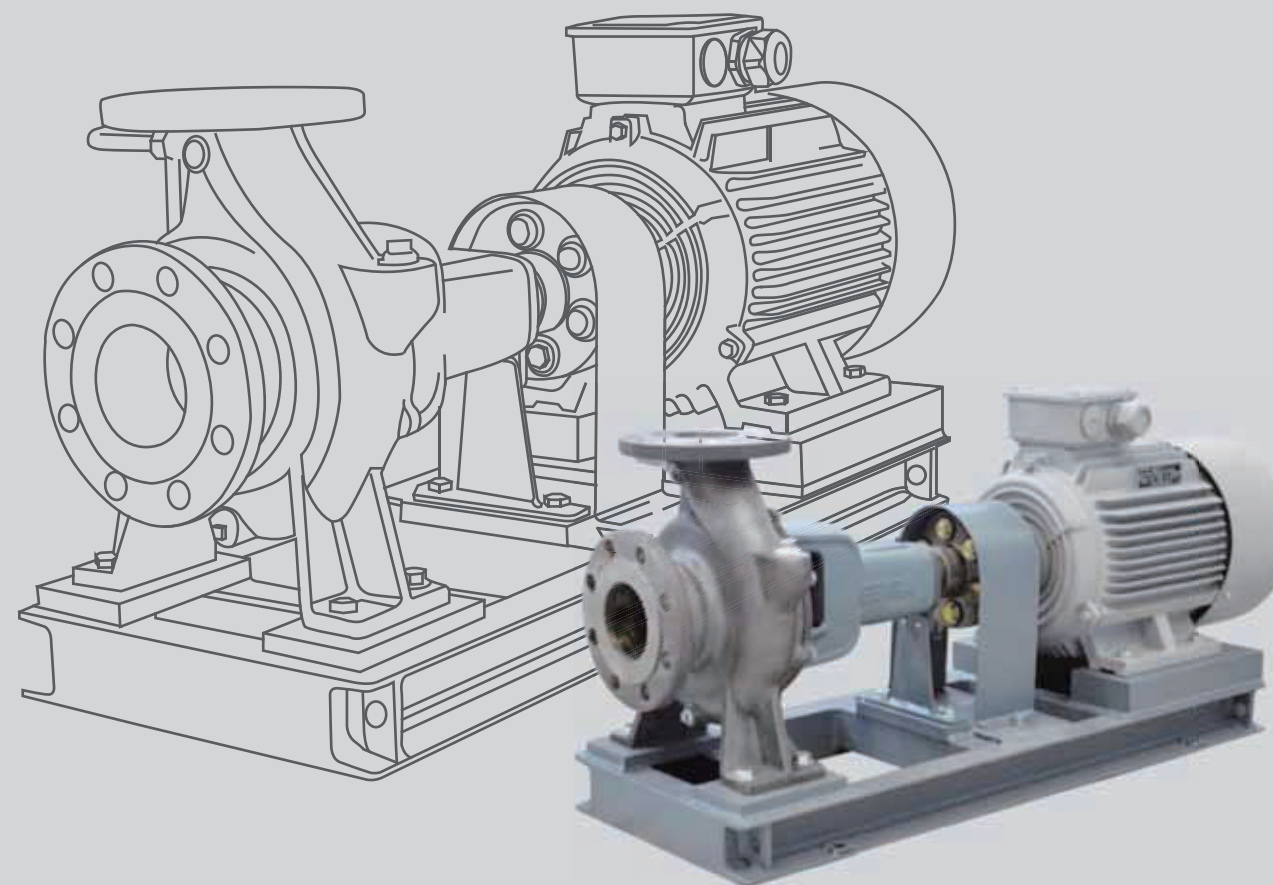
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EBARA MACHINERY (CHINA) CO., LTD.



# EBARA

## MACHINERY

### (CHINA)

Ebara Machinery (China) Co., Ltd.

As the wholly owned subsidiary company of Ebara Subsidiary Corporation, Ebara Machinery (China) devotes itself to the expansion of Ebara's wind and hydraulic power business in China and supplying of advanced general pump, cooling tower, water supply system, heat exchanger and water treatment products and other services with high quality for clients.

Ebara is famous for producing advanced water pump, water supply system, cooling tower and heat exchanger. As a combined environment engineering enterprise, Ebara is staffed with over 15000 employees with its business covered 24 countries across the world. there are more than 107 production bases, branches and R&D research centers. By now, Ebara has made contributions to different fields and is enjoying reliability from tens of thousands of clients across the world.

Ebara Machinery (China) would make great efforts to promote the development of local clients; And as a part of Ebara Corporation, our mission is to offer strong strategic support to Ebara.



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## Features and Applications

## ■ Features

- Easy removal and maintenance, BPO (Back Pull Out) system allows all rotating elements to be removed without disconnecting suction and discharge pipework
- Top centerline discharge, foot support under casing for maximum resistance to misalignment and deformation
- Non-overload design to ensure stable performance for all applications

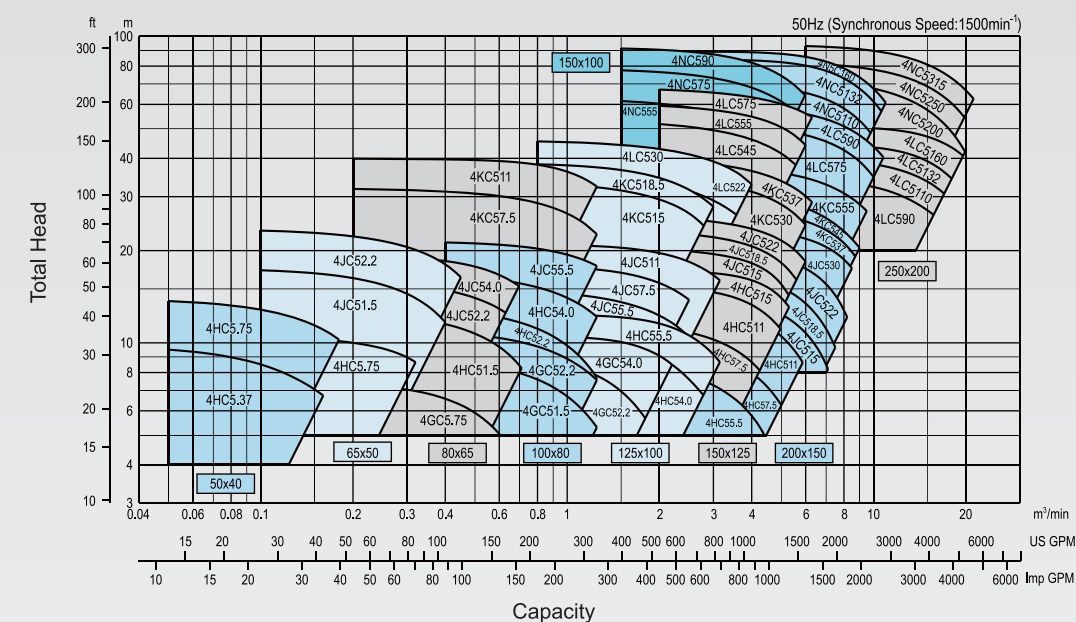
- Applications

- Water supply
- Chemical Industry
- Petroleum Refineries
- The Petrochemical Industry
- Other Industries

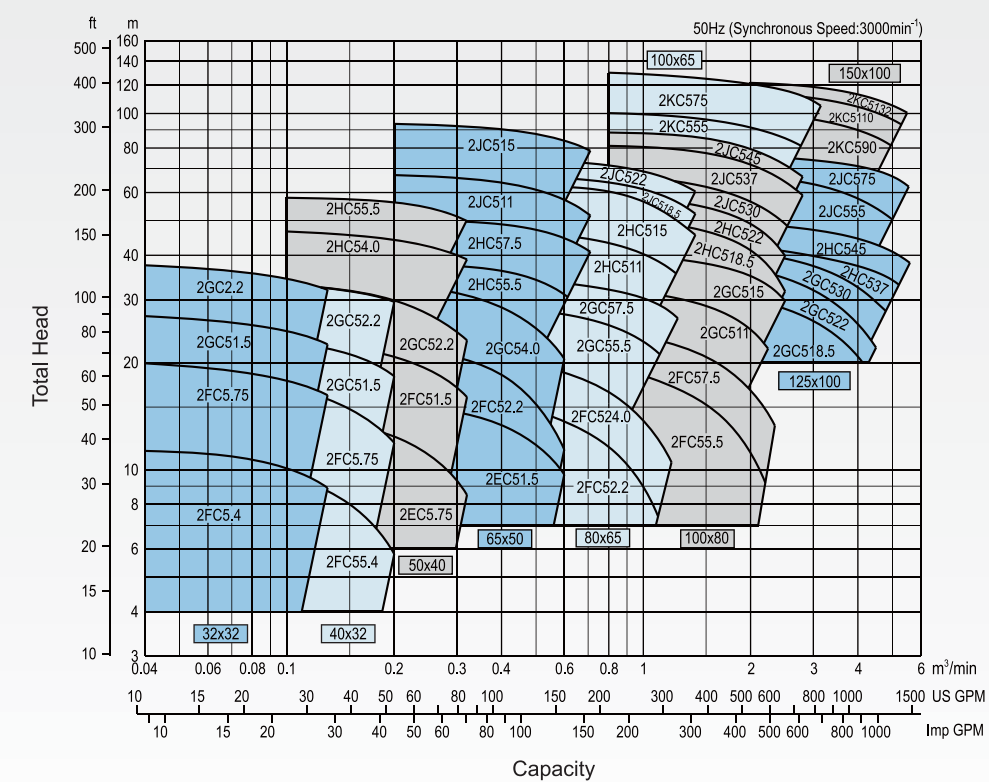


## Selection Chart

- 4P-50Hz



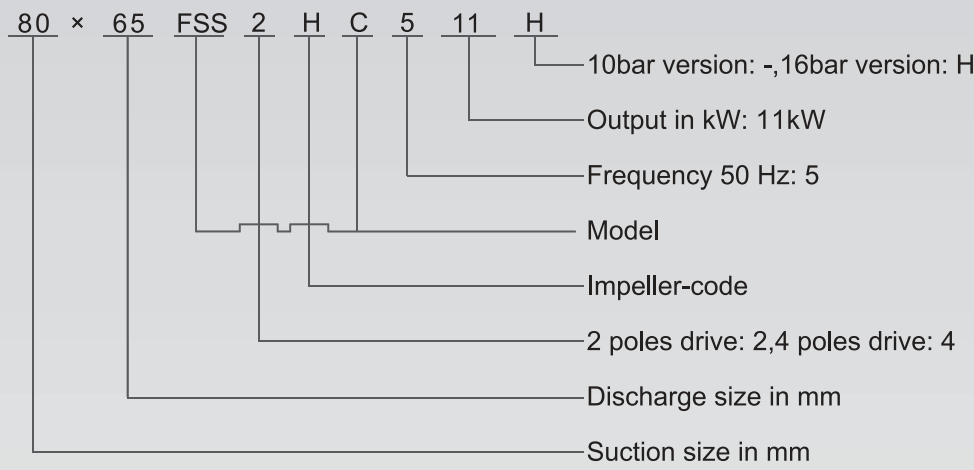
- 2P-50Hz





Model code/indetification

Model Code



Pump Specifications

| Type                  |                              | Standard                                                                   |            | Optional                                         |
|-----------------------|------------------------------|----------------------------------------------------------------------------|------------|--------------------------------------------------|
| Max. Working Pressure |                              | 10bar                                                                      | 16bar      |                                                  |
| Liquid Handled        | Name                         | Clean water, Oil, Chemical liquid                                          |            |                                                  |
|                       | Temperature                  | -10 C ~ 105 C                                                              |            | -40 C ~ -10 C, 105 C ~ 150 C                     |
| Construction          | Casing                       | Base install                                                               |            |                                                  |
|                       | Impeller                     | Enclosed                                                                   |            |                                                  |
|                       | Shaft seal                   | Mechanical seal(Balanced)                                                  |            | Gland packing                                    |
|                       | Sealing                      | Water series: Self flushing(-10 C ~ 80 C), External flushing(80 C ~ 105 C) |            | External flushing With quenching                 |
|                       |                              | Oil series: Self flushing(-10 C ~ 100 C), External flushing(100 C ~ 105 C) |            | External flushing+Heat exchanger                 |
|                       | Bearing type and lubrication | Sealed deep groove ball bearings (Grease lubrication)                      |            | Open deep groove ball bearings (Oil lubrication) |
| Flange                |                              | JIS 10K RF                                                                 | JIS 16K RF | DIN 16bar/DIN 10bar                              |
| Material              | Casing                       | SCS13                                                                      |            | SCS14                                            |
|                       | Impeller                     | SCS13                                                                      |            | SCS14                                            |
|                       | Shaft                        | SUS316                                                                     |            |                                                  |
|                       | Mechanical seal              | SiC/C/FPM                                                                  |            | SiC/SiC/FPM Packing: PTFE/Flexible carbon        |

Motor

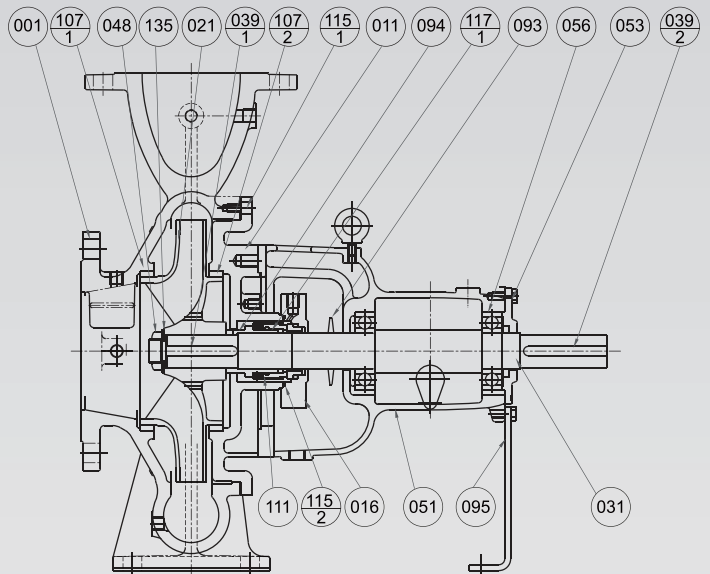
| Configuration               | Standard                                      | Optional        |
|-----------------------------|-----------------------------------------------|-----------------|
| Poles                       | 2 poles/4 poles                               |                 |
| Speed                       | 3000min <sup>-1</sup> , 1500min <sup>-1</sup> |                 |
| Phase                       | 3 phase                                       |                 |
| Voltage                     | 380V±10%                                      |                 |
| Type                        | Totally enclosed fan cooled(indoor)           | Outdoor         |
| Protetion                   | IP55                                          |                 |
| Variable frequency starting | 30 ~ 50Hz                                     | 0 ~ 50Hz        |
| Other                       | -                                             | Explosion-proof |

Accessories

| Standard       | Optional                 |
|----------------|--------------------------|
| Common base    | JIS Campanion Flange     |
| Coupling       | Disc coupling            |
| Coupling guard | Seal type coupling guard |

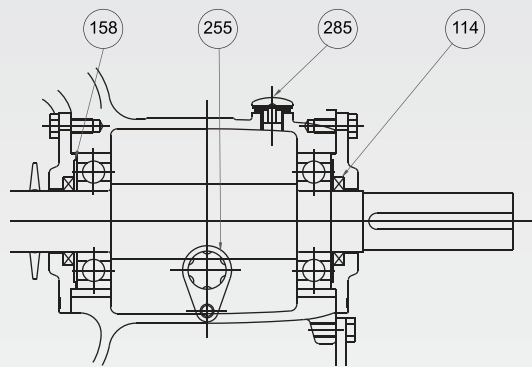
Sectional view of pump

Grease lubrication (standard)



|       |                          |                    |               |
|-------|--------------------------|--------------------|---------------|
| 117-1 | Shaft sleeve             | Stainless steel    | 1             |
| 115-2 | O-rings                  | FPM                | 1             |
| 115-1 | Sealing gasket           | Non asbestos fiber | 1             |
| 107-2 | Case Wear Ring           | Stainless steel    | 1             |
| 107-1 | Case Wear Ring           | Stainless steel    | 1             |
| 039-2 | Key                      | Steel              | 1             |
| 039-1 | Key                      | Stainless steel    | 1             |
| 135   | Impeller Nut Washer      | Stainless steel    | 1             |
| 111   | Mechanical Seal          | STD                | 1             |
| 095   | Stay                     | Steel              | 1             |
| 094   | Shaft washer             | PTFE               | 1             |
| 093   | Deflector                | CR                 | 1             |
| 056   | Ball Bearing             | —                  | 2             |
| 053   | Bearing Cover            | Cast Iron          | 1             |
| 051   | Bearing Housing          | Cast Iron          | 1             |
| 048   | Impeller Nut             | Stainless steel    | 1             |
| 031   | Shaft                    | Stainless steel    | 1             |
| 021   | Impeller                 | Stainless steel    | 1             |
| 016   | Mechanical Sealing Gland | Stainless steel    | 1             |
| 011   | Casing Cover             | Stainless steel    | 1             |
| 001   | Casing                   | Stainless steel    | 1             |
| No.   | Name of Part             | Material           | No. for 1 Set |

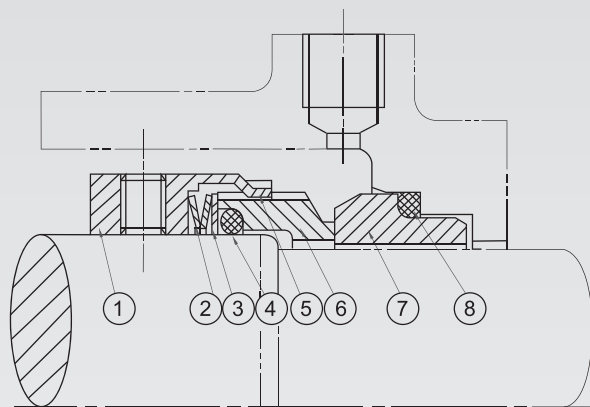
Oil lubrication (Optional)



|     |                 |          |               |
|-----|-----------------|----------|---------------|
| 285 | Air Breather    |          | 1             |
| 255 | Oil Level Gauge |          | 1             |
| 158 | Wave Washer     | T8       | 1             |
| 114 | Oil seal        |          | 2             |
| No. | Name of Part    | Material | No. for 1 Set |

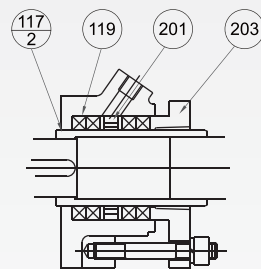
Sectional view of Mechanical seal

Mechanical Seal



| Part No. | Part Name     | Material            | Qty/Unity |
|----------|---------------|---------------------|-----------|
| 1        | Retainer      | 316 Stainless Steel | 1         |
| 2        | Spring        | 316 Stainless Steel | 1         |
| 3        | Thrust ring   | 316 Stainless Steel | 1         |
| 4        | Seat O-ring   | FPM                 | 1         |
| 5        | Drive Ring    | 316 Stainless Steel | 1         |
| 6        | Balanced Face | Carbon              | 1         |
| 7        | BP type seat  | SiC                 | 1         |
| 8        | Seat O-ring   | FPM                 | 1         |

Packing seal (Optional)

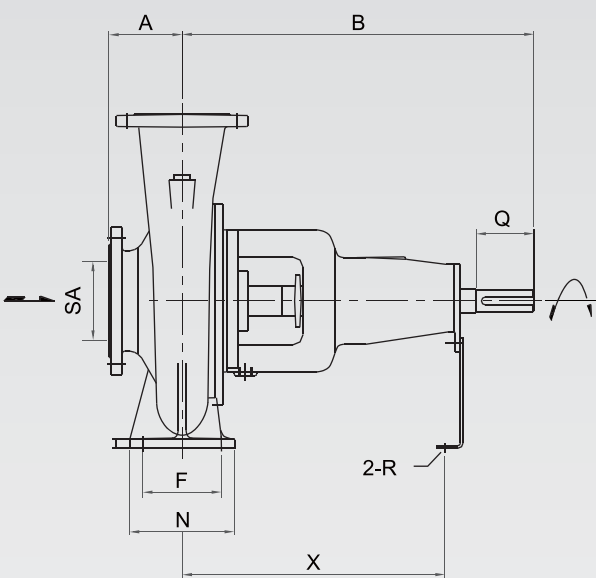


|       |               |                 |               |
|-------|---------------|-----------------|---------------|
| 203   | Packing gland | Stainless steel | 1             |
| 201   | Seal ring     | Stainless steel | 1             |
| 119   | Packing       |                 | 4             |
| 117-2 | Shaft sleeve  | Stainless steel | 1             |
| No.   | Name of Part  | Material        | No. for 1 Set |

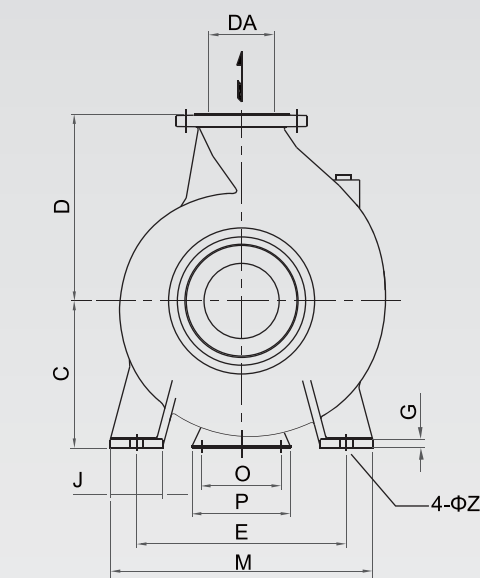
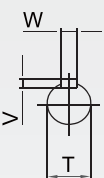
Packing specifications

| Shaft         | Packing specifications |
|---------------|------------------------|
| 320C、320、225A | 30X46X8                |
| 225S          | 35X51X8                |
| 235、335       | 45X65X10               |
| 240           | 50X70X10               |
| 245           | 55X75X10               |
| 250           | 65X85X12.5             |
| 255           | 70X95X12.5             |
| 165           | 80X105X12.5            |
| 175           | 90X119X14.5            |

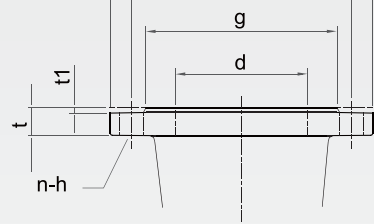
Dimension-Bare Shaft Pump



Shaft End



Flange



Suction/Discharge flanges dimensions(JIS 10K RF)

| D<br>mm | f<br>mm | e<br>mm | g<br>mm | t1<br>mm | t<br>mm | n<br>- | h<br>mm |
|---------|---------|---------|---------|----------|---------|--------|---------|
| 32      | 135     | 100     | 76      | 2        | 16      | 4      | 19      |
| 40      | 140     | 105     | 81      | 2        | 16      | 4      | 19      |
| 50      | 155     | 120     | 96      | 2        | 16      | 4      | 19      |
| 65      | 175     | 140     | 116     | 2        | 18      | 4      | 19      |
| 80      | 185     | 150     | 126     | 2        | 18      | 8      | 19      |
| 100     | 210     | 175     | 151     | 2        | 18      | 8      | 19      |
| 125     | 250     | 210     | 182     | 2        | 20      | 8      | 23      |
| 150     | 280     | 240     | 212     | 2        | 22      | 8      | 23      |
| 200     | 330     | 290     | 262     | 2        | 22      | 12     | 23      |
| 250     | 400     | 355     | 324     | 2        | 24      | 12     | 25      |

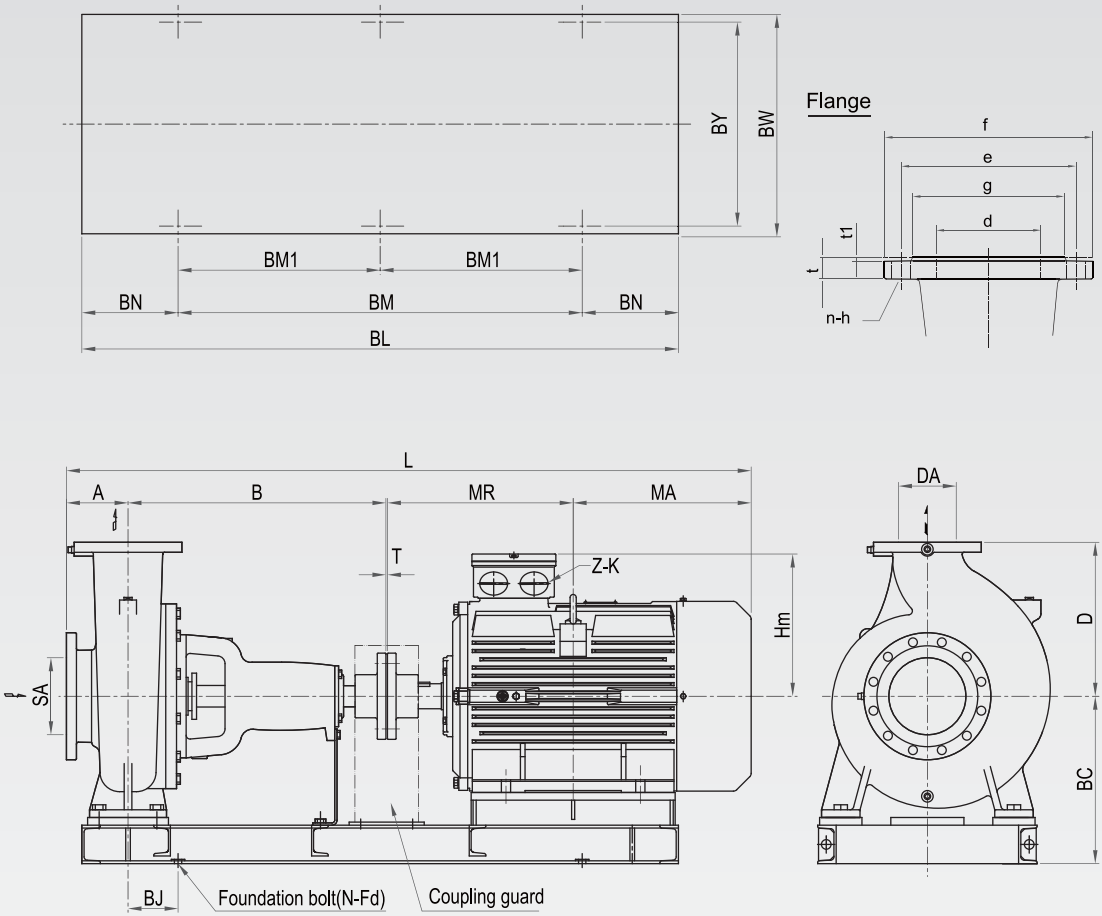
Suction/Discharge flanges dimensions(JIS 16K RF)

| D<br>mm | f<br>mm | e<br>mm | g<br>mm | t1<br>mm | t<br>mm | n<br>- | h<br>mm |
|---------|---------|---------|---------|----------|---------|--------|---------|
| 32      | 135     | 100     | 76      | 2        | 16      | 4      | 19      |
| 40      | 140     | 105     | 81      | 2        | 16      | 4      | 19      |
| 50      | 155     | 120     | 96      | 2        | 16      | 8      | 19      |
| 65      | 175     | 140     | 116     | 2        | 18      | 8      | 19      |
| 80      | 200     | 160     | 132     | 2        | 20      | 8      | 23      |
| 100     | 225     | 185     | 160     | 2        | 22      | 8      | 23      |
| 125     | 270     | 225     | 195     | 2        | 22      | 8      | 25      |
| 150     | 305     | 260     | 230     | 2        | 24      | 12     | 25      |
| 200     | 350     | 305     | 275     | 2        | 26      | 12     | 25      |
| 250     | 430     | 380     | 345     | 2        | 28      | 12     | 27      |

➤ Dimension-Bare Shaft Pump

| Model        | Size |     | Pump |     |     |     |     |     |    |     |     |     |     |     |    |     | Shaft |    |     |    |    |
|--------------|------|-----|------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-------|----|-----|----|----|
|              | SA   | DA  | A    | B   | C   | D   | E   | F   | G  | J   | M   | N   | O   | P   | R  | X   | Z     | T  | Q   | V  | W  |
| 32X32FSSFC   | 32   | 32  | 65   | 280 | 112 | 140 | 140 | 70  | 8  | 50  | 190 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 32X32FSSGC   | 32   | 32  | 80   | 280 | 132 | 160 | 190 | 70  | 8  | 50  | 240 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 40X32FSSFC   | 40   | 32  | 65   | 280 | 112 | 140 | 140 | 70  | 8  | 50  | 190 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 40X32FSSGC   | 40   | 32  | 80   | 280 | 132 | 160 | 190 | 70  | 8  | 50  | 240 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 50X40FSSEC   | 50   | 40  | 80   | 280 | 112 | 140 | 140 | 70  | 8  | 50  | 190 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 50X40FSSFC   | 50   | 40  | 80   | 280 | 112 | 140 | 140 | 70  | 8  | 50  | 190 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 50X40FSSGC   | 50   | 40  | 80   | 280 | 132 | 160 | 190 | 70  | 8  | 50  | 240 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 50X40FSSHC   | 50   | 40  | 80   | 360 | 160 | 180 | 190 | 70  | 12 | 50  | 240 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 65X50FSSEC   | 65   | 50  | 80   | 280 | 112 | 140 | 140 | 70  | 8  | 50  | 190 | 100 | 80  | 120 | 17 | 206 | 15    | 19 | 40  | 6  | 6  |
| 65X50FSSFC   | 65   | 50  | 80   | 360 | 112 | 140 | 160 | 70  | 8  | 50  | 210 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 65X50FSSGC   | 65   | 50  | 80   | 360 | 132 | 160 | 190 | 70  | 10 | 50  | 240 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 65X50FSSHC   | 65   | 50  | 100  | 360 | 160 | 180 | 212 | 70  | 12 | 50  | 265 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 65X50FSSJC   | 65   | 50  | 100  | 360 | 180 | 225 | 250 | 95  | 14 | 65  | 320 | 125 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 80X65FSSFC   | 80   | 65  | 100  | 360 | 132 | 160 | 190 | 70  | 10 | 50  | 240 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 80X65FSSGC   | 80   | 65  | 100  | 360 | 160 | 180 | 212 | 70  | 12 | 50  | 265 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 80X65FSSHC   | 80   | 65  | 100  | 360 | 160 | 200 | 212 | 70  | 12 | 50  | 265 | 100 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 80X65FSSJC   | 80   | 65  | 100  | 360 | 180 | 225 | 250 | 95  | 14 | 65  | 320 | 125 | 110 | 150 | 17 | 285 | 15    | 32 | 80  | 8  | 10 |
| 80X65FSSKC   | 80   | 65  | 125  | 470 | 225 | 280 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 370 | 20    | 32 | 80  | 8  | 10 |
| 100X65FSSKC  | 100  | 65  | 125  | 360 | 225 | 280 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 285 | 20    | 38 | 80  | 8  | 10 |
| 100X80FSSFC  | 100  | 80  | 100  | 360 | 160 | 180 | 212 | 95  | 10 | 65  | 280 | 125 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 100X80FSSGC  | 100  | 80  | 100  | 360 | 160 | 200 | 212 | 95  | 14 | 65  | 280 | 125 | 110 | 150 | 17 | 285 | 15    | 24 | 50  | 7  | 8  |
| 100X80FSSHC  | 100  | 80  | 100  | 360 | 180 | 225 | 250 | 95  | 15 | 65  | 320 | 125 | 110 | 150 | 17 | 285 | 15    | 32 | 80  | 8  | 10 |
| 100X80FSSJC  | 100  | 80  | 100  | 360 | 200 | 250 | 280 | 120 | 15 | 80  | 360 | 160 | 110 | 150 | 17 | 285 | 19    | 32 | 80  | 8  | 10 |
| 125X100FSSGC | 125  | 100 | 125  | 360 | 180 | 250 | 250 | 95  | 16 | 65  | 320 | 125 | 110 | 150 | 17 | 285 | 15    | 32 | 80  | 8  | 10 |
| 125X100FSSHC | 125  | 100 | 125  | 360 | 225 | 280 | 315 | 120 | 14 | 80  | 400 | 160 | 110 | 150 | 17 | 281 | 19    | 32 | 80  | 8  | 10 |
| 125X100FSSJC | 125  | 100 | 140  | 470 | 225 | 280 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 370 | 19    | 38 | 80  | 8  | 10 |
| 125X100FSSKC | 125  | 100 | 140  | 470 | 250 | 315 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 370 | 19    | 32 | 80  | 8  | 10 |
| 125X100FSSLC | 125  | 100 | 140  | 530 | 280 | 355 | 400 | 150 | 20 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24    | 42 | 110 | 8  | 12 |
| 150X100FSSKC | 150  | 100 | 140  | 530 | 250 | 315 | 315 | 120 | 16 | 80  | 400 | 160 | 90  | 120 | 15 | 373 | 19    | 42 | 95  | 8  | 12 |
| 150X100FSSNC | 150  | 100 | 180  | 670 | 375 | 450 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24    | 48 | 110 | 9  | 14 |
| 150X125FSSHC | 150  | 125 | 140  | 470 | 250 | 315 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 370 | 19    | 32 | 80  | 8  | 10 |
| 150X125FSSJC | 150  | 125 | 140  | 470 | 250 | 355 | 315 | 120 | 16 | 80  | 400 | 160 | 110 | 150 | 17 | 370 | 19    | 32 | 80  | 8  | 10 |
| 150X125FSSKC | 150  | 125 | 140  | 530 | 280 | 355 | 400 | 150 | 18 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24    | 42 | 110 | 8  | 12 |
| 150X125FSSLC | 150  | 125 | 140  | 530 | 315 | 400 | 400 | 150 | 20 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24    | 42 | 110 | 8  | 12 |
| 200X150FSSHC | 200  | 150 | 160  | 470 | 280 | 355 | 400 | 150 | 18 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24    | 32 | 80  | 8  | 10 |
| 200X150FSSJC | 200  | 150 | 160  | 530 | 280 | 375 | 400 | 150 | 18 | 100 | 500 | 200 | 110 | 150 | 17 | 370 | 24    | 42 | 110 | 8  | 12 |
| 200X150FSSKC | 200  | 150 | 160  | 670 | 315 | 400 | 450 | 150 | 18 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24    | 48 | 110 | 9  | 14 |
| 200X150FSSLC | 200  | 150 | 164  | 670 | 325 | 450 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24    | 48 | 110 | 9  | 14 |
| 200X150FSSNC | 200  | 150 | 184  | 670 | 375 | 560 | 450 | 150 | 20 | 100 | 550 | 200 | 140 | 180 | 19 | 500 | 24    | 60 | 110 | 11 | 18 |
| 250X200FSSLC | 250  | 200 | 180  | 670 | 385 | 560 | 560 | 250 | 25 | 100 | 660 | 315 | 140 | 180 | 19 | 500 | 24    | 60 | 110 | 11 | 18 |
| 250X200FSSNC | 250  | 200 | 200  | 820 | 435 | 630 | 560 | 250 | 25 | 100 | 660 | 315 | 160 | 200 | 19 | 630 | 27    | 74 | 125 | 12 | 20 |

➤ Dimension-pump



■ Suction/Discharge flanges dimensions(JIS 10K RF)

| D   | f   | e   | g   | t1 | t  | n  | h  |
|-----|-----|-----|-----|----|----|----|----|
| mm  | mm  | mm  | mm  | mm | mm | -  | mm |
| 32  | 135 | 100 | 76  | 2  | 16 | 4  | 19 |
| 40  | 140 | 105 | 81  | 2  | 16 | 4  | 19 |
| 50  | 155 | 120 | 96  | 2  | 16 | 4  | 19 |
| 65  | 175 | 140 | 116 | 2  | 18 | 4  | 19 |
| 80  | 185 | 150 | 126 | 2  | 18 | 8  | 19 |
| 100 | 210 | 175 | 151 | 2  | 18 | 8  | 19 |
| 125 | 250 | 210 | 182 | 2  | 18 | 8  | 23 |
| 150 | 280 | 240 | 212 | 2  | 20 | 8  | 23 |
| 200 | 330 | 290 | 262 | 2  | 20 | 12 | 23 |
| 250 | 400 | 355 | 324 | 2  | 24 | 12 | 25 |

■ Suction/Discharge flanges dimensions(JIS 16K RF)

| D   | f   | e   | g   | t1 | t  | n  | h  |
|-----|-----|-----|-----|----|----|----|----|
| mm  | mm  | mm  | mm  | mm | mm | -  | mm |
| 32  | 135 | 100 | 76  | 2  | 16 | 4  | 19 |
| 40  | 140 | 105 | 81  | 2  | 16 | 4  | 19 |
| 50  | 155 | 120 | 96  | 2  | 16 | 8  | 19 |
| 65  | 175 | 140 | 116 | 2  | 18 | 8  | 19 |
| 80  | 200 | 160 | 132 | 2  | 20 | 8  | 23 |
| 100 | 225 | 185 | 160 | 2  | 22 | 8  | 23 |
| 125 | 270 | 225 | 195 | 2  | 22 | 8  | 25 |
| 150 | 305 | 260 | 230 | 2  | 24 | 12 | 25 |
| 200 | 350 | 305 | 275 | 2  | 26 | 12 | 25 |
| 250 | 430 | 380 | 345 | 2  | 28 | 12 | 27 |



➤ Dimension-pump with motor

■ 2P

units : mm

| Model         | Output | Size |     | Pump |     |     |          | Motor |       |       |       |                 |          | Common Base |      |      |      |     |     |     |     |       |          | Total size |       |          |
|---------------|--------|------|-----|------|-----|-----|----------|-------|-------|-------|-------|-----------------|----------|-------------|------|------|------|-----|-----|-----|-----|-------|----------|------------|-------|----------|
|               | kW     | SA   | DA  | A    | B   | D   | Wt<br>kg | Frame | MR    | MA    | Hm    | Z-K             | Wt<br>kg | BC          | BJ   | BL   | BM   | BM1 | BN  | BY  | BW  | N-Fd  | Wt<br>kg | T          | L     | Wt<br>kg |
| 32X32FSS2FC   | 0.37   | 32   | 32  | 65   | 280 | 140 | 17       | 71M   | 120   | 120   | 137   | M25X1.5+M16X1.5 | 11       | 192         | 35   | 550  | 350  | -   | 100 | 220 | 250 | 4-Ø15 | 20       | 3          | 588   | 50       |
| 32X32FSS2FC   | 0.75   | 32   | 32  | 65   | 280 | 140 | 17       | 80M   | 140   | 148   | 142   | M25X1.5+M16X1.5 | 15.5     | 192         | 35   | 570  | 370  | -   | 100 | 220 | 250 | 4-Ø15 | 20       | 3          | 636   | 55       |
| 32X32FSS2GC   | 1.5    | 32   | 32  | 80   | 280 | 160 | 17       | 90S   | 156   | 160   | 152   | M25X1.5+M16X1.5 | 20       | 212         | 55   | 615  | 375  | -   | 120 | 235 | 270 | 4-Ø15 | 23       | 3          | 679   | 63       |
| 32X32FSS2GC   | 2.2    | 32   | 32  | 80   | 280 | 160 | 17       | 90L   | 168.5 | 172.5 | 152   | M25X1.5+M16X1.5 | 23       | 212         | 55   | 615  | 375  | -   | 120 | 235 | 270 | 4-Ø15 | 23       | 3          | 704   | 66       |
| 40X32FSS2FC   | 0.37   | 40   | 32  | 65   | 280 | 140 | 19       | 71M   | 120   | 120   | 137   | M25X1.5+M16X1.5 | 11       | 192         | 35   | 550  | 350  | -   | 100 | 220 | 250 | 4-Ø15 | 20       | 3          | 598   | 53       |
| 40X32FSS2FC   | 0.75   | 40   | 32  | 65   | 280 | 140 | 19       | 80M   | 140   | 148   | 142   | M25X1.5+M16X1.5 | 15.5     | 192         | 35   | 570  | 370  | -   | 100 | 220 | 250 | 4-Ø15 | 20       | 3          | 636   | 57       |
| 40X32FSS2GC   | 1.5    | 40   | 32  | 80   | 280 | 160 | 23       | 90S   | 156   | 160   | 152   | M25X1.5+M16X1.5 | 20       | 212         | 55   | 615  | 375  | -   | 120 | 235 | 270 | 4-Ø15 | 23       | 3          | 679   | 69       |
| 40X32FSS2GC   | 2.2    | 40   | 32  | 80   | 280 | 160 | 23       | 90L   | 168.5 | 172.5 | 152   | M25X1.5+M16X1.5 | 23       | 212         | 55   | 615  | 375  | -   | 120 | 235 | 270 | 4-Ø15 | 23       | 3          | 704   | 72       |
| 50X40FSS2EC   | 0.75   | 50   | 40  | 80   | 280 | 140 | 20       | 80M   | 140   | 148   | 142   | M25X1.5+M16X1.5 | 15.5     | 192         | 35   | 570  | 370  | -   | 100 | 220 | 250 | 4-Ø15 | 20       | 3          | 651   | 58       |
| 50X40FSS2FC   | 1.5    | 50   | 40  | 80   | 280 | 140 | 20       | 90S   | 156   | 160   | 152   | M25X1.5+M16X1.5 | 20       | 192         | 35   | 590  | 390  | -   | 100 | 235 | 270 | 4-Ø15 | 23       | 3          | 679   | 66       |
| 50X40FSS2GC   | 2.2    | 50   | 40  | 80   | 280 | 160 | 24       | 90L   | 168.5 | 172.5 | 152   | M25X1.5+M16X1.5 | 23       | 212         | 55   | 615  | 375  | -   | 120 | 235 | 270 | 4-Ø15 | 23       | 3          | 704   | 74       |
| 50X40FSS2HC   | 4      | 50   | 40  | 80   | 360 | 180 | 30       | 112M  | 200   | 193.5 | 188.5 | 2-M32X1.5       | 40       | 240         | 55   | 740  | 500  | -   | 120 | 280 | 310 | 4-Ø15 | 28       | 3          | 836.5 | 103      |
| 50X40FSS2HC   | 5.5    | 50   | 40  | 80   | 360 | 180 | 30       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 56       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 923   | 132      |
| 65X50FSS2EC   | 1.5    | 65   | 50  | 80   | 280 | 140 | 23       | 90S   | 156   | 160   | 152   | M25X1.5+M16X1.5 | 20       | 192         | 35   | 590  | 390  | -   | 100 | 235 | 270 | 4-Ø15 | 23       | 3          | 679   | 69       |
| 65X50FSS2FC   | 2.2    | 65   | 50  | 80   | 360 | 140 | 24       | 90L   | 168.5 | 172.5 | 152   | M25X1.5+M16X1.5 | 23       | 192         | 55   | 695  | 455  | -   | 120 | 220 | 250 | 4-Ø15 | 22       | 3          | 784   | 72       |
| 65X50FSS2GC   | 4      | 65   | 50  | 80   | 360 | 160 | 27       | 112M  | 200   | 193.5 | 188.5 | 2-M32X1.5       | 40       | 212         | 55   | 735  | 495  | -   | 120 | 250 | 280 | 4-Ø15 | 27       | 3          | 836.5 | 99       |
| 65X50FSS2HC   | 4      | 65   | 50  | 100  | 360 | 180 | 33       | 112M  | 200   | 193.5 | 188.5 | 2-M32X1.5       | 40       | 240         | 55   | 740  | 500  | -   | 120 | 280 | 310 | 4-Ø15 | 28       | 3          | 856.5 | 106      |
| 65X50FSS2HC   | 5.5    | 65   | 50  | 100  | 360 | 180 | 33       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 56       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 135      |
| 65X50FSS2HC   | 7.5    | 65   | 50  | 100  | 360 | 180 | 33       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 62       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 142      |
| 65X50FSS2JC   | 11     | 65   | 50  | 100  | 360 | 225 | 40       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 96       | 280         | 82.5 | 970  | 650  | -   | 160 | 350 | 380 | 4-Ø15 | 55       | 3          | 1077  | 201      |
| 65X50FSS2JC   | 15     | 65   | 50  | 100  | 360 | 225 | 40       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 106      | 280         | 82.5 | 970  | 650  | -   | 160 | 350 | 380 | 4-Ø15 | 55       | 3          | 1077  | 211      |
| 80X65FSS2FC   | 2.2    | 80   | 65  | 100  | 360 | 160 | 28       | 90L   | 168.5 | 172.5 | 152   | M25X1.5+M16X1.5 | 23       | 212         | 55   | 700  | 460  | -   | 120 | 250 | 280 | 4-Ø15 | 24       | 3          | 804   | 79       |
| 80X65FSS2FC   | 4      | 80   | 65  | 100  | 360 | 160 | 28       | 112M  | 200   | 193.5 | 188.5 | 2-M32X1.5       | 40       | 212         | 55   | 735  | 495  | -   | 120 | 250 | 280 | 4-Ø15 | 27       | 3          | 856.5 | 100      |
| 80X65FSS2GC   | 5.5    | 80   | 65  | 100  | 360 | 180 | 32       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 56       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 134      |
| 80X65FSS2GC   | 7.5    | 80   | 65  | 100  | 360 | 180 | 32       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 62       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 141      |
| 80X65FSS2HC   | 11     | 80   | 65  | 100  | 360 | 200 | 37       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 96       | 260         | 72.5 | 920  | 620  | -   | 150 | 350 | 380 | 4-Ø15 | 42.5     | 3          | 1077  | 184      |
| 80X65FSS2HC   | 15     | 80   | 65  | 100  | 360 | 200 | 37       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 106      | 260         | 72.5 | 920  | 620  | -   | 150 | 350 | 380 | 4-Ø15 | 42.5     | 3          | 1077  | 195      |
| 80X65FSS2JC   | 18.5   | 80   | 65  | 100  | 360 | 225 | 60       | 160L  | 345   | 329   | 255   | 2-M40X1.5       | 125      | 280         | 82.5 | 970  | 650  | -   | 160 | 350 | 380 | 4-Ø15 | 55       | 3          | 1137  | 252      |
| 80X65FSS2JC   | 22     | 80   | 65  | 100  | 360 | 225 | 60       | 180M  | 351.5 | 331.5 | 270   | 2-M40X1.5       | 152      | 280         | 82.5 | 980  | 660  | -   | 160 | 390 | 420 | 4-Ø15 | 49       | 3          | 1146  | 274      |
| 100X65FSS2KC  | 55     | 100  | 65  | 125  | 360 | 280 | 106      | 250M  | 483.5 | 433.5 | 373   | 2-M63X1.5       | 378      | 375         | 105  | 1220 | 820  | -   | 200 | 515 | 560 | 4-Ø19 | 100      | 4          | 1406  | 613      |
| 100X65FSS2KC  | 75     | 100  | 65  | 125  | 360 | 280 | 106      | 280S  | 514   | 462   | 413   | 2-M63X1.5       | 550      | 405         | 110  | 1270 | 850  | -   | 210 | 590 | 630 | 4-Ø19 | 102      | 4          | 1465  | 796      |
| 100X80FSS2FC  | 5.5    | 100  | 80  | 100  | 360 | 180 | 33       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 56       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 135      |
| 100X80FSS2FC  | 7.5    | 100  | 80  | 100  | 360 | 180 | 33       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 62       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 142      |
| 100X80FSS2GC  | 7.5    | 100  | 80  | 100  | 360 | 200 | 38       | 132S  | 239   | 241   | 191.5 | 2-M32X1.5       | 62       | 240         | 52.5 | 835  | 575  | -   | 130 | 290 | 320 | 4-Ø15 | 40       | 3          | 943   | 147      |
| 100X80FSS2GC  | 11     | 100  | 80  | 100  | 360 | 200 | 38       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 96       | 260         | 72.5 | 920  | 620  | -   | 150 | 350 | 380 | 4-Ø15 | 42.5     | 3          | 1077  | 185      |
| 100X80FSS2GC  | 15     | 100  | 80  | 100  | 360 | 200 | 38       | 160M  | 323   | 291   | 255   | 2-M40X1.5       | 106      | 260         | 72.5 | 920  | 620  | -   | 150 | 350 | 380 | 4-Ø15 | 42.5     | 3          | 1077  | 196      |
| 100X80FSS2HC  | 18.5   | 100  | 80  | 100  | 360 | 225 | 62       | 160L  | 345   | 329   | 255   | 2-M40X1.5       | 125      | 280         | 82.5 | 970  | 650  | -   | 160 | 350 | 380 | 4-Ø15 | 55       | 3          | 1137  | 254      |
| 100X80FSS2HC  | 22     | 100  | 80  | 100  | 360 | 225 | 62       | 180M  | 351.5 | 331.5 | 270   | 2-M40X1.5       | 152      | 280         | 82.5 | 980  | 660  | -   | 160 | 390 | 420 | 4-Ø15 | 49       | 3          | 1146  | 276      |
| 100X80FSS2JC  | 30     | 100  | 80  | 100  | 360 | 250 | 70       | 200L  | 395.5 | 376.5 | 300   | 2-M50X1.5       | 229      | 300         | 85   | 1070 | 710  | -   | 180 | 420 | 450 | 4-Ø15 | 57       | 4          | 1236  | 374      |
| 100X80FSS2JC  | 37     | 100  | 80  | 100  | 360 | 250 | 70       | 200L  | 395.5 | 376.5 | 300   | 2-M50X1.5       | 245      | 300         | 85   | 1070 | 710  | -   | 180 | 420 | 450 | 4-Ø15 | 57       | 4          | 1236  | 391      |
| 100X80FSS2JC  | 45     | 100  | 80  | 100  | 360 | 250 | 70       | 225M  | 414.5 | 400.5 | 327   | 2-M50X1.5       | 307      | 330         | 85   | 1110 | 750  | -   | 180 | 460 | 490 | 4-Ø15 | 74       | 4          | 1279  | 474      |
| 125X100FSS2GC | 18.5   | 125  | 100 | 125  | 360 | 250 | 60       | 160L  | 345   | 329   | 255   | 2-M40X1.5       | 125      | 280         | 82.5 | 970  | 650  | -   | 160 | 350 | 380 | 4-Ø15 | 55       | 3          | 1162  | 252      |
| 125X100FSS2GC | 22     | 125  | 100 | 125  | 360 | 250 | 60       | 180M  | 351.5 | 331.5 | 270   | 2-M40X1.5       | 152      | 280         | 82.5 | 980  | 660  | -   | 160 | 390 | 420 | 4-Ø15 | 49       | 3          | 1171  | 274      |
| 125X100FSS2GC | 30     | 125  | 100 | 125  | 360 | 150 | 60       | 200L  | 395.5 | 376.5 | 300   | 2-M50X1.5       | 229      | 300         | 92.5 | 1050 | 710  | -   | 170 | 420 | 450 | 4-Ø15 | 59       | 4          | 1261  | 365      |
| 125X100FSS2HC | 37     | 125  | 100 | 125  | 360 | 280 | 70       | 200L  | 395.5 | 376.5 | 300   | 2-M50X1.5       | 245      | 320         | 80   | 1060 | 720  | -   | 170 | 424 | 460 | 4-Ø15 | 65       | 4          | 1261  | 399      |
| 125X100FSS2HC | 45     | 125  | 100 | 125  | 360 | 280 | 70       | 225M  | 414.5 | 400.5 | 327   | 2-M50X1.5       | 307      | 320         | 80   | 1090 | 750  | -   | 170 | 460 | 496 | 4-Ø15 | 53       | 4          | 1304  | 452      |
| 125X100FSS2JC | 55     | 125  | 100 | 140  | 470 | 280 | 108      | 250M  | 483.5 | 433.5 | 373   | 2-M63X1.5       | 378      | 350         | 75   | 1290 | 950  | -   | 170 | 486 | 524 | 4-Ø15 | 69       | 4          | 1531  | 583      |
| 125X100FSS2JC | 75     | 125  | 100 | 140  | 470 | 280 | 108      | 280S  | 514   | 462   | 413   | 2-M63X1.5       | 550      | 392         | 135  | 1375 | 915  | -   | 230 | 540 | 585 | 4-Ø19 | 83.5     | 4          | 1590  | 779      |
| 150X100FSS2KC | 90     | 150  | 100 | 140  | 530 | 315 | 146      | 280M  | 539.5 | 487.5 | 413   | 2-M63X1.5       | 570      | 420         | 140  | 1490 | 1010 | -   | 240 | 590 | 630 | 4-Ø24 | 124      | 4          | 1701  | 882      |
| 150X100FSS2KC | 110    | 150  | 100 | 140  | 530 | 315 | 146      | 315S  | 559   | 554   | 482   | 2-M63X1.5       | 740      | 460         | 160  | 1590 | 1070 | -   | 260 | 680 | 720 | 4-Ø24 | 159      | 4          | 1787  | 1097     |
| 150X100FSS2KC | 132    | 150  | 100 | 140  | 530 | 315 | 146      | 315M  | 584.5 | 708.5 | 482   | 2-M63X1.5       | 855      | 460         | 160  | 1590 | 1070 | -   | 260 | 680 | 720 | 4-Ø24 | 159      | 4          | 1967  | 1218     |

Note: Motor for EBARA machinery (China) Co.,

Dimension-pump with motor

4P

| Model         | Output | Size |     | Pump |     |     |          | Motor |       |       |     |           | Common Base |     |     |      |      |     |     |     |     |       |          | Total size |      |          |
|---------------|--------|------|-----|------|-----|-----|----------|-------|-------|-------|-----|-----------|-------------|-----|-----|------|------|-----|-----|-----|-----|-------|----------|------------|------|----------|
|               | kW     | SA   | DA  | A    | B   | D   | Wt<br>kg | Frame | MR    | MA    | Hm  | Z-K       | Wt<br>kg    | BC  | BJ  | BL   | BM   | BM1 | BN  | BY  | BW  | N-Fd  | Wt<br>kg | T          | L    | Wt<br>kg |
| 200X150FSS4KC | 55     | 200  | 150 | 160  | 670 | 400 | 222      | 250M  | 483.5 | 433.5 | 373 | 2-M63X1.5 | 410         | 435 | 130 | 1550 | 1050 | -   | 250 | 530 | 570 | 4-Φ19 | 103      | 4          | 1751 | 772      |
| 200X150FSS4LC | 75     | 200  | 150 | 164  | 670 | 450 | 336      | 280S  | 514   | 462   | 413 | 2-M63X1.5 | 555         | 465 | 155 | 1650 | 1110 | -   | 270 | 590 | 630 | 4-Φ24 | 183      | 4          | 1814 | 1128     |
| 200X150FSS4LC | 90     | 200  | 150 | 164  | 670 | 450 | 336      | 280M  | 539.5 | 487.5 | 413 | 2-M63X1.5 | 610         | 465 | 155 | 1650 | 1110 | -   | 270 | 590 | 630 | 4-Φ24 | 183      | 4          | 1865 | 1185     |
| 200X150FSS4NC | 110    | 200  | 150 | 184  | 670 | 560 | 488      | 315S  | 589   | 554   | 482 | 2-M63X1.5 | 750         | 515 | 185 | 1820 | 1220 | -   | 300 | 680 | 720 | 4-Φ24 | 183      | 4          | 2001 | 1492     |
| 200X150FSS4NC | 132    | 200  | 150 | 184  | 670 | 560 | 488      | 315M  | 614.5 | 708.5 | 482 | 2-M63X1.5 | 875         | 515 | 185 | 1820 | 1220 | -   | 300 | 680 | 720 | 4-Φ24 | 183      | 4          | 2181 | 1623     |
| 200X150FSS4NC | 160    | 200  | 150 | 184  | 670 | 560 | 488      | 315L  | 640   | 683   | 482 | 2-M63X1.5 | 960         | 515 | 185 | 1820 | 1220 | -   | 300 | 680 | 720 | 4-Φ24 | 183      | 4          | 2181 | 1713     |
| 250X200FSS4LC | 90     | 250  | 200 | 180  | 670 | 560 | 505      | 280M  | 539.5 | 487.5 | 413 | 2-M63X1.5 | 610         | 525 | 105 | 1710 | 1150 | -   | 280 | 650 | 690 | 4-Φ24 | 154      | 4          | 1881 | 1332     |
| 250X200FSS4LC | 110    | 250  | 200 | 180  | 670 | 560 | 505      | 315S  | 589   | 554   | 482 | 2-M63X1.5 | 750         | 525 | 125 | 1880 | 1280 | -   | 300 | 680 | 720 | 4-Φ24 | 191      | 4          | 1997 | 1518     |
| 250X200FSS4LC | 132    | 250  | 200 | 180  | 670 | 560 | 505      | 315M  | 614.5 | 708.5 | 482 | 2-M63X1.5 | 875         | 525 | 125 | 1880 | 1280 | -   | 300 | 680 | 720 | 4-Φ24 | 191      | 4          | 2177 | 1650     |
| 250X200FSS4LC | 160    | 250  | 200 | 180  | 670 | 560 | 505      | 315L  | 640   | 683   | 482 | 2-M63X1.5 | 960         | 525 | 125 | 1880 | 1280 | -   | 300 | 680 | 720 | 4-Φ24 | 191      | 4          | 2177 | 1739     |
| 250X200FSS4NC | 200    | 250  | 200 | 200  | 820 | 630 | 642      | 315L  | 640   | 683   | 482 | 2-M63X1.5 | 1080        | 585 | 155 | 2030 | 1370 | 685 | 330 | 680 | 720 | 6-Φ24 | 212      | 4          | 2347 | 2031     |
| 250X200FSS4NC | 250    | 250  | 200 | 200  | 820 | 630 | 642      | 355M  | 704   | 816   | 655 | 2-M72X1.5 | 1680        | 625 | 185 | 2120 | 1400 | 700 | 360 | 780 | 830 | 6-Φ28 | 275      | 4          | 2544 | 2727     |
| 250X200FSS4NC | 315    | 250  | 200 | 200  | 820 | 630 | 642      | 355L  | 739   | 781   | 655 | 2-M72X1.5 | 1900        | 625 | 185 | 2120 | 1400 | 700 | 360 | 780 | 830 | 6-Φ28 | 275      | 4          | 2544 | 2958     |

Note: Motor for EBARA machinery (China) Co.,Ltd. standard configuration

MEMO

