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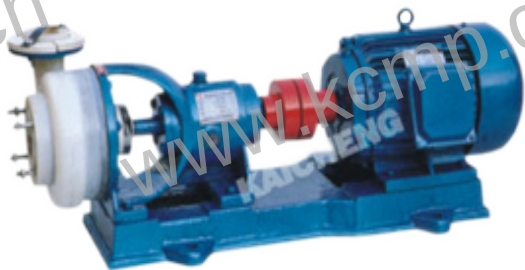


**FSB、FSB (D) 氟塑料合金泵 FSB、FSB (D) FLUOROPLASTIC ALLOY PUMPS**

**产品说明书 Product specification**

## FSB、FSB(D)型氟塑料合金泵产品简介 Brief Introduction of FSB、FSB(D) Fluoroplastic Alloy Pumps

### FSB、FSB(D)型氟塑料合金泵



FSB型



FSB(D)型

### 型号意义 Designation



### 特点 Features

FSB和FSB-D型离心泵，过流部件全部采用氟塑料合金制造，结构紧凑、操作简单、价格低廉。两种型号的泵壳、叶轮、机封等均可互换使用，深受农药、电子、造纸等行业的欢迎。

FSB and FSB-D type centrifugal pump, overflow part is made of fluoroplastic alloy, compact in structure and easy to operate with low price. Pump casings, impellers and mechanical seals of the two types can be exchanged in application. Therefore, they are welcome in industries such as pesticide, electronics and paper manufacturing etc.

### 用途 Applications

本产品广泛适用于：汽车制造中的酸洗、喷漆工艺；有色金属冶炼中的电解液输送；离子膜烧碱项目中的氟水、废水处理和加酸等工艺流程。

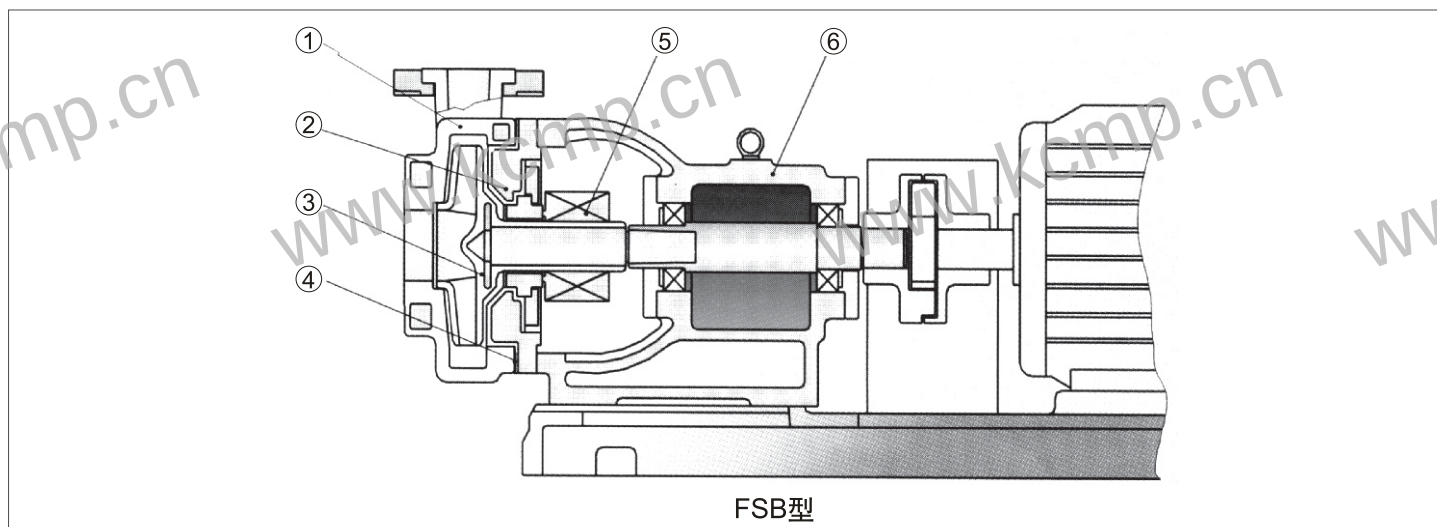
使用温度：-20℃~100℃

This product is widely applied in: picking, paint spraying technologies in automobile manufacture; feeding of electrolytic solutions in non-ferrous metal smelt; technical procedures such as fluorine water, waster water treatment and souring etc, in ion film caustic soda project.

Operating temperature: -20℃~100℃

## FSB、FSB(D)型泵结构图 Structural Drawing of FSB、FSB(D) Pumps

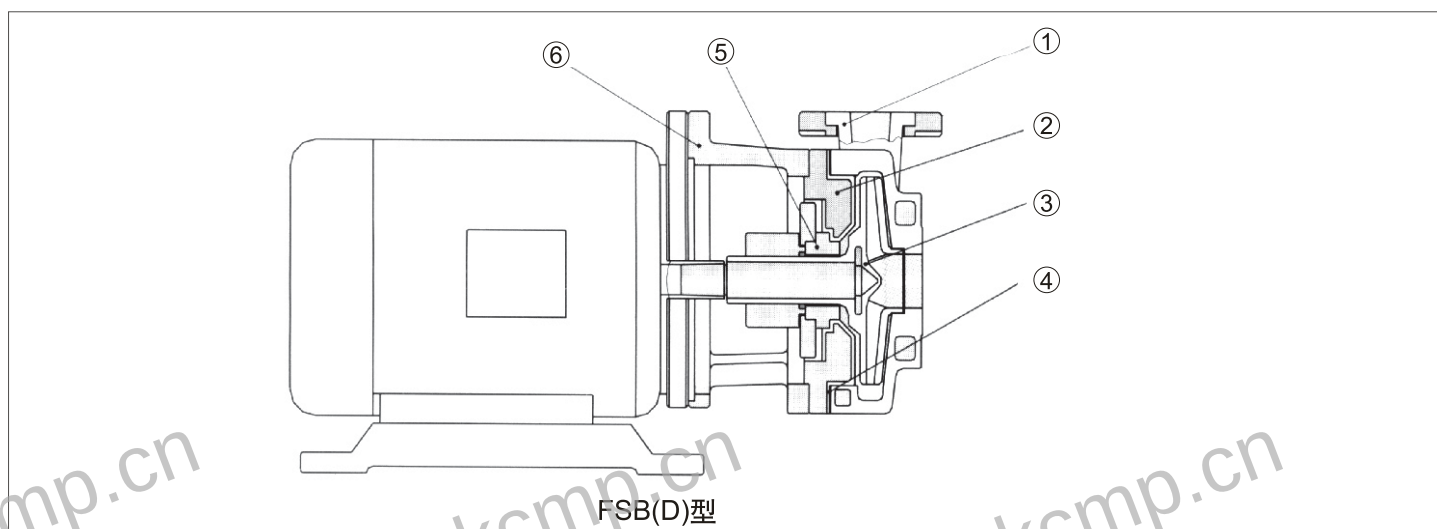
### FSB型泵结构图 Structural Drawing of FSB Pumps



### FSB型泵主要零部件表 Main Parts Table of FSB Pumps

| 序号<br>No.      | 1               | 2                | 3              | 4                       | 5                       | 6             |
|----------------|-----------------|------------------|----------------|-------------------------|-------------------------|---------------|
| 名称<br>Name     | 泵体<br>Pump Body | 后盖<br>Rear Cover | 叶轮<br>Impeller | 调整盖<br>Regulating Cover | 机封密封<br>Mechanical Seal | 支架<br>Support |
| 材料<br>Material | F46             | F46              | F46            | F46                     | F46                     | HT200         |

### FSB(D)型泵结构图 Structural Drawing of FSB(D) Pumps

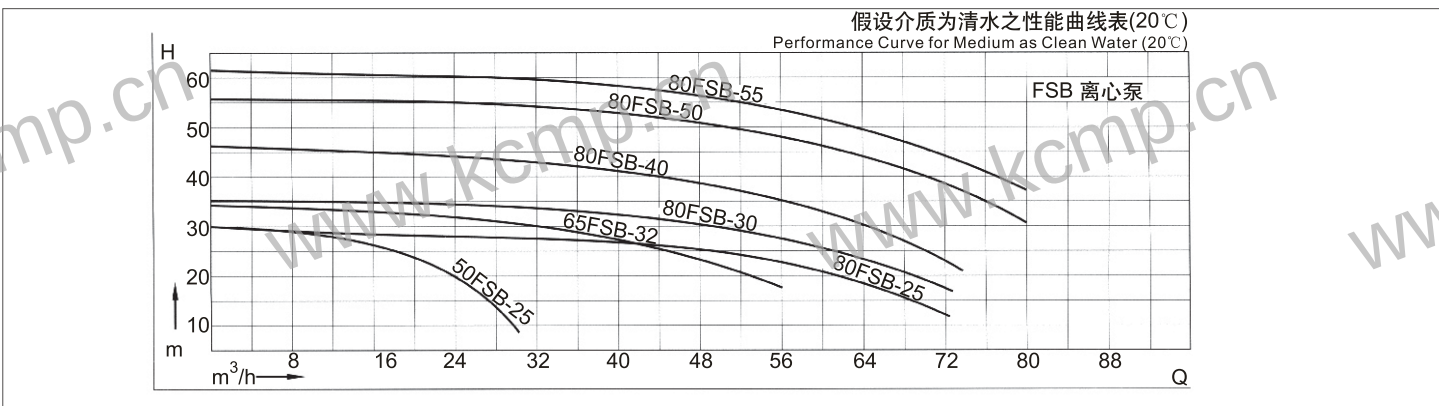


### FSB(D)型主要零部件表 Main Parts Table of FSB(D) Pumps

| 序号<br>No.      | 1               | 2                | 3              | 4                       | 5                       | 6             |
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| 名称<br>Name     | 泵体<br>Pump Body | 后盖<br>Rear Cover | 叶轮<br>Impeller | 调整盖<br>Regulating Cover | 机封密封<br>Mechanical Seal | 支架<br>Support |
| 材料<br>Material | F46             | F46              | F46            | F46                     | F46                     | HT200         |

FSB型泵性能曲线图、性能参数表及法兰尺寸图表 Performance Curve, Performance Parameters Table and Flange Dimensions Drawing、Table of FSB Pumps

性能曲线图 Performance Curve



性能参数表 Performance Parameters

| Type<br>型号 |  (m³/h)<br>Capacity<br>流量 | Head<br>(m)<br>扬程 | Inlet caliber<br>(mm)<br>进口口径 | Outlet caliber<br>(mm)<br>出口口径 | Power  KW<br>轴功率   电机功率 |      |  r/min<br>speed<br>转速 | (NPSH)r<br>(m)<br>汽蚀余量 |  %<br>Efficiency<br>效率 |
|------------|------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------|
| 40FSB-20   | 10                                                                                                         | 20                | φ 40                          | φ 32                           | 1.4                                                                                                       | 3.0  | 2900                                                                                                     | 3.0                    | 45                                                                                                        |
| 40FSB-30   | 10                                                                                                         | 30                | φ 40                          | φ 32                           | 1.6                                                                                                       | 3.0  | 2900                                                                                                     | 3.0                    | 42                                                                                                        |
| 50FSB-25   | 12.5                                                                                                       | 25                | φ 50                          | φ 32                           | 1.8                                                                                                       | 3.0  | 2900                                                                                                     | 3.0                    | 55                                                                                                        |
| 50FSB-30   | 15                                                                                                         | 30                | φ 50                          | φ 32                           | 1.9                                                                                                       | 3.0  | 2900                                                                                                     | 3.0                    | 46                                                                                                        |
| 65FSB-32   | 25                                                                                                         | 32                | φ 65                          | φ 50                           | 4.7                                                                                                       | 5.5  | 2900                                                                                                     | 3.0                    | 65                                                                                                        |
| 80FSB20    | 50                                                                                                         | 20                | φ 80                          | φ 65                           | 4.6                                                                                                       | 5.5  | 2900                                                                                                     | 3.0                    | 45                                                                                                        |
| 80FSB-25   | 50                                                                                                         | 25                | φ 80                          | φ 65                           | 5.7                                                                                                       | 7.5  | 2900                                                                                                     | 3.0                    | 67                                                                                                        |
| 80FSB-30   | 50                                                                                                         | 30                | φ 80                          | φ 65                           | 6.9                                                                                                       | 7.5  | 2900                                                                                                     | 3.5                    | 68                                                                                                        |
| 80FSB-40   | 45                                                                                                         | 40                | φ 80                          | φ 50                           | 10                                                                                                        | 11   | 2900                                                                                                     | 3.5                    | 48                                                                                                        |
| 80FSB-50   | 50                                                                                                         | 50                | φ 80                          | φ 50                           | 12                                                                                                        | 15.0 | 2900                                                                                                     | 3.5                    | 57                                                                                                        |
| 80FSB-55   | 50                                                                                                         | 55                | φ 80                          | φ 50                           | 13.5                                                                                                      | 18.5 | 2900                                                                                                     | 4.0                    | 50                                                                                                        |
| 100FSB-32  | 100                                                                                                        | 32                | φ 100                         | φ 80                           | 12                                                                                                        | 15   | 2900                                                                                                     | 3.5                    | 70                                                                                                        |

法兰尺寸图 Flange Dimensions Drawing

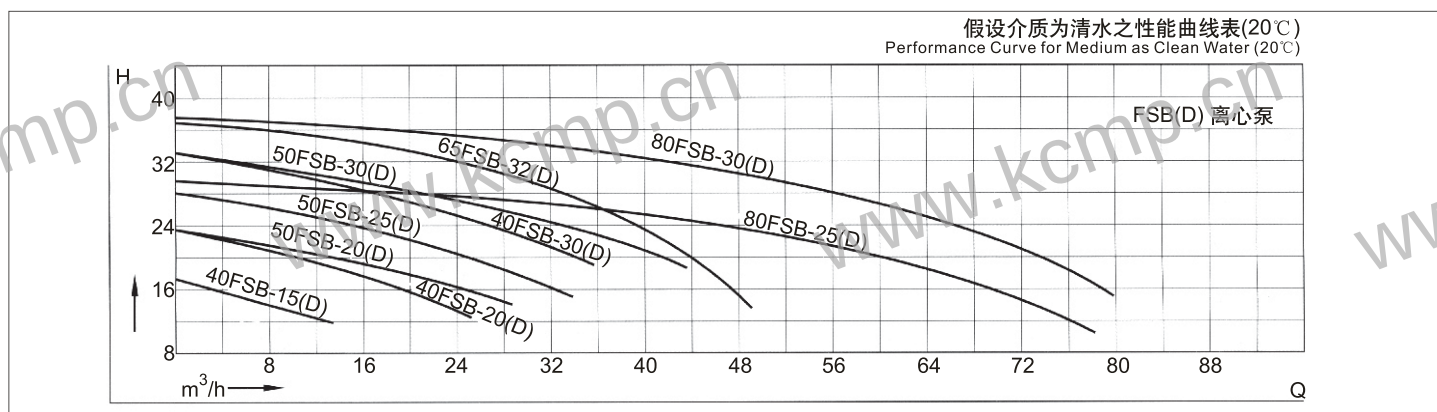


法兰尺寸表 Flange Dimensions Table

| Type<br>型号 | 进口法兰尺寸 Inlet Flange Dimensions |     |     |    |           | 出口法兰尺寸 Outlet Flange Dimensions |     |     |    |           |
|------------|--------------------------------|-----|-----|----|-----------|---------------------------------|-----|-----|----|-----------|
|            | c                              | a   | b   | e  | n- φ d    | k                               | g   | i   | j  | n- φ t    |
| 80FSB-40   | 80                             | 190 | 150 | 18 | 4- φ 16   | 50                              | 170 | 125 | 20 | 4- φ 17.5 |
| 80FSB-50   | 80                             | 190 | 150 | 18 | 4- φ 17.5 | 50                              | 170 | 125 | 20 | 4- φ 17.5 |
| 80FSB-55   | 80                             | 190 | 150 | 20 | 4- φ 17.5 | 50                              | 170 | 125 | 20 | 4- φ 17.5 |
| 100FSB-32  | 100                            | 220 | 180 | 25 | 4-M16     | 80                              | 200 | 165 | 25 | 4-M16     |

FSB(D)型泵性能曲线图、性能参数表及法兰尺寸图表 Performance Curve, Performance Parameters Table and Flange Dimensions Drawing、Table of FSB(D) Pumps

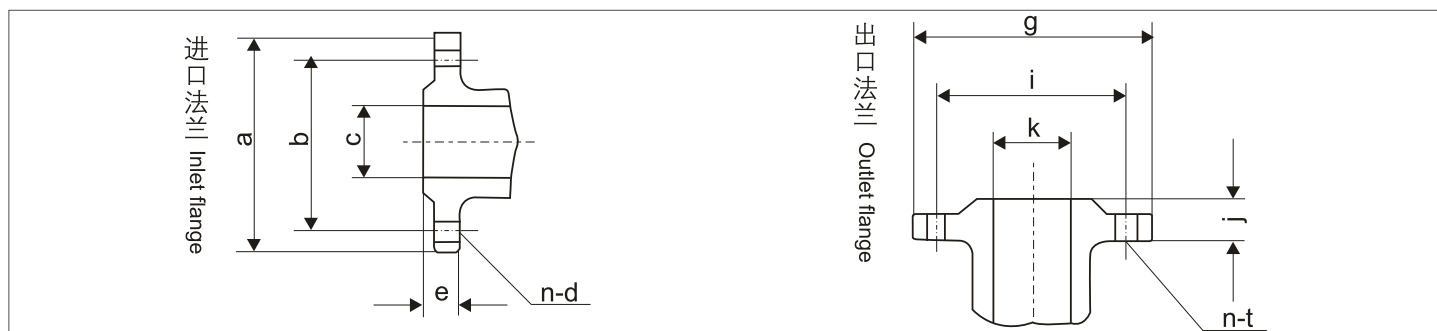
性能曲线图 Performance Curve



性能参数表 Performance Parameters

| Type<br>型号  |  (m³/h)<br>Capacity<br>流量 | Head<br>(m)<br>扬程 | Inlet caliber<br>(mm)<br>进口口径 | Outlet caliber<br>(mm)<br>出口口径 | Power  KW<br>轴功率   电机功率 |  r/min<br>speed<br>转速 | (NPSH)r<br>(m)<br>汽蚀余量 |  %<br>Efficiency<br>效率 |    |
|-------------|------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------|----|
| 40FSB-15(D) | 5                                                                                                          | 15                | φ 40                          | φ 32                           | 0.4                                                                                                       | 3.0                                                                                                      | 2900                   | 3.0                                                                                                       | 40 |
| 40FSB-20(D) | 10                                                                                                         | 20                | φ 40                          | φ 32                           | 1.2                                                                                                       | 3.0                                                                                                      | 2900                   | 3.0                                                                                                       | 42 |
| 50FSB-30(D) | 10                                                                                                         | 30                | φ 40                          | φ 32                           | 1.2                                                                                                       | 3.0                                                                                                      | 2900                   | 3.0                                                                                                       | 52 |
| 50FSB-20(D) | 12.5                                                                                                       | 20                | φ 50                          | φ 32                           | 1.5                                                                                                       | 3.0                                                                                                      | 2900                   | 3.5                                                                                                       | 55 |
| 65FSB-25(D) | 12.5                                                                                                       | 25                | φ 50                          | φ 32                           | 1.8                                                                                                       | 3.0                                                                                                      | 2900                   | 3.5                                                                                                       | 55 |
| 80FSB30(D)  | 15                                                                                                         | 30                | φ 50                          | φ 32                           | 1.9                                                                                                       | 3.0                                                                                                      | 2900                   | 3.5                                                                                                       | 54 |
| 80FSB-32(D) | 25                                                                                                         | 32                | φ 65                          | φ 50                           | 3.6                                                                                                       | 5.5                                                                                                      | 2900                   | 3.5                                                                                                       | 65 |
| 80FSB-25(D) | 42                                                                                                         | 25                | φ 80                          | φ 65                           | 3.8                                                                                                       | 7.5                                                                                                      | 2900                   | 3.5                                                                                                       | 67 |
| 80FSB-30(D) | 50                                                                                                         | 30                | φ 80                          | φ 65                           | 6.8                                                                                                       | 7.5                                                                                                      | 2900                   | 3.5                                                                                                       | 68 |

法兰尺寸图 Flange Dimensions Drawing



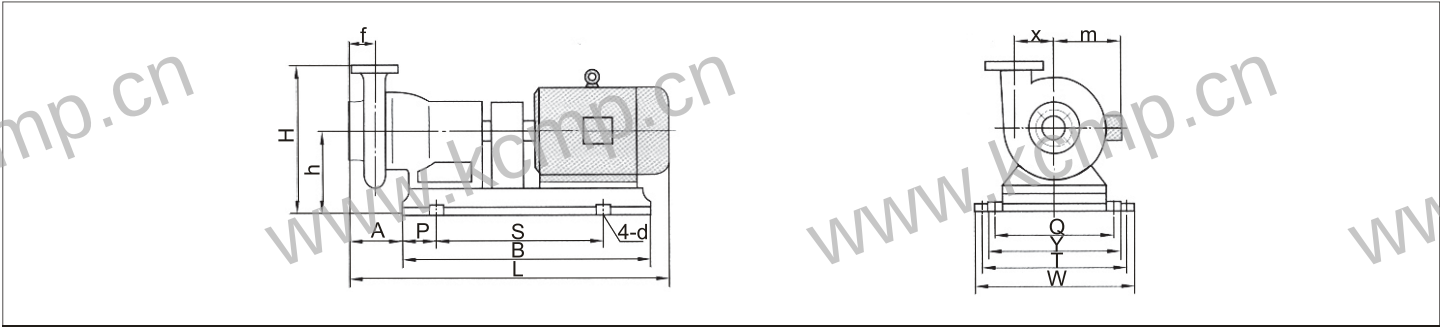
法兰尺寸表 Flange Dimensions Table

| Type<br>型号  | Inlet flange dimension<br>进口法兰尺寸 |     |     |    |         | Outlet flange dimension<br>出口法兰尺寸 |     |     |    |         |
|-------------|----------------------------------|-----|-----|----|---------|-----------------------------------|-----|-----|----|---------|
|             | c                                | a   | b   | e  | n-φd    | k                                 | g   | i   | j  | n-φt    |
| 40FSB-15(D) | 40                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 40FSB-20(D) | 40                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 40FSB-30(D) | 40                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 50FSB-20(D) | 50                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 50FSB-25(D) | 50                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 50FSB-30(D) | 50                               | 130 | 100 | 18 | 4-φ11.5 | 32                                | 112 | 90  | 18 | 4-φ11.5 |
| 65FSB-32(D) | 65                               | 185 | 150 | 18 | 4-φ14   | 50                                | 160 | 130 | 22 | 4-φ12   |
| 80FSB-25(D) | 80                               | 185 | 150 | 18 | 4-φ14   | 65                                | 160 | 130 | 22 | 4-φ12   |
| 80FSB-30(D) | 80                               | 185 | 150 | 18 | 4-M12   | 65                                | 160 | 130 | 22 | 4-φ13   |



FSB、FSB(D)型泵安装尺寸图表 Installation Dimensions Drawing and Table of FSB、FSB(D) Pumps

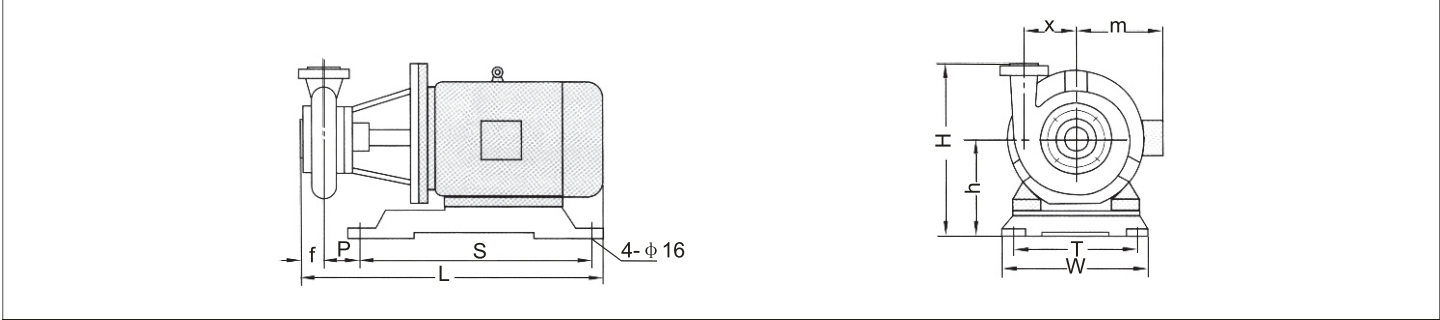
FSB安装尺寸图 Installation Dimensions Drawing of FSB Pumps



FSB安装尺寸表 Installation Dimensions Table of FSB Pumps

| Type<br>型号 | L    | B    | S   | P   | A   | W   | T   | Y   | Q   | H   | h   | f   | x   | m   | 4-φd  |
|------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 40FSB-20   | 786  | 615  | 455 | 80  | 107 | 335 | 285 | 280 | 250 | 287 | 162 | 58  | 82  | 180 | 4-φ16 |
| 40FSB-30   | 786  | 615  | 455 | 80  | 107 | 335 | 285 | 280 | 250 | 287 | 162 | 58  | 82  | 180 | 4-φ16 |
| 50FSB-25   | 786  | 615  | 455 | 80  | 107 | 335 | 285 | 280 | 250 | 287 | 162 | 58  | 82  | 180 | 4-φ16 |
| 50FSB-30   | 786  | 615  | 455 | 80  | 107 | 335 | 285 | 280 | 250 | 287 | 162 | 58  | 82  | 180 | 4-φ16 |
| 65FSB-32   | 940  | 725  | 480 | 130 | 142 | 370 | 330 | 290 | 250 | 347 | 197 | 74  | 95  | 210 | 4-φ16 |
| 80FSB20    | 980  | 725  | 480 | 130 | 142 | 370 | 330 | 290 | 250 | 347 | 197 | 74  | 95  | 210 | 4-φ16 |
| 80FSB-25   | 980  | 725  | 480 | 130 | 142 | 370 | 330 | 290 | 250 | 347 | 197 | 74  | 95  | 210 | 4-φ16 |
| 80FSB-30   | 980  | 710  | 480 | 125 | 142 | 365 | 330 | 285 | 250 | 347 | 197 | 74  | 95  | 210 | 4-φ16 |
| 80FSB-40   | 1200 | 920  | 660 | 124 | 142 | 430 | 390 | 350 | 300 | 410 | 230 | 85  | 118 | 265 | 4-φ16 |
| 80FSB-50   | 1210 | 920  | 660 | 124 | 142 | 430 | 390 | 340 | 300 | 410 | 230 | 85  | 118 | 265 | 4-φ16 |
| 80FSB-55   | 1255 | 920  | 660 | 124 | 142 | 430 | 390 | 340 | 300 | 410 | 230 | 85  | 118 | 265 | 4-φ16 |
| 100FSB-32  | 1180 | 1130 | 720 | 205 | 142 | 485 | 435 | 485 | 435 | 500 | 280 | 100 | 118 | 265 | 4-φ24 |

FSB(D)安装尺寸图 Installation Dimensions Drawing of FSB(D) Pumps



FSB(D)安装尺寸表 Installation Dimensions Table of FSB(D) Pumps

| Type<br>型号  | L   | S   | P   | f  | W   | T   | H   | h   | x  | m   |
|-------------|-----|-----|-----|----|-----|-----|-----|-----|----|-----|
| 40FSB-15(D) | 500 | 310 | 150 | 40 | 220 | 170 | 260 | 140 | 85 | 180 |
| 40FSB-20(D) | 500 | 310 | 150 | 40 | 220 | 170 | 260 | 140 | 85 | 180 |
| 40FSB-30(D) | 500 | 310 | 150 | 40 | 220 | 170 | 260 | 140 | 85 | 180 |
| 50FSB-20(D) | 480 | 310 | 150 | 45 | 220 | 170 | 260 | 140 | 82 | 180 |
| 50FSB-25(D) | 480 | 310 | 150 | 45 | 220 | 170 | 260 | 140 | 82 | 180 |
| 50FSB-30(D) | 480 | 310 | 150 | 58 | 220 | 170 | 260 | 140 | 82 | 180 |
| 65FSB-32(D) | 660 | 330 | 140 | 60 | 290 | 240 | 327 | 177 | 95 | 210 |
| 80FSB-25(D) | 660 | 330 | 140 | 60 | 290 | 240 | 327 | 177 | 95 | 210 |
| 80FSB-30(D) | 660 | 330 | 140 | 60 | 290 | 240 | 327 | 177 | 95 | 210 |



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