

# Non-clogging Pump

**DBS 3216...30040**



## TECHNICAL DATA

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| Output:             | up to 1200 m <sup>3</sup> /h                                           |
| Delivery head:      | up to 100 m                                                            |
| Speed:              | up to 3600 rpm<br>depending of the pump size<br>and material execution |
| Medium temperature: | max. 110 °C                                                            |
| Casing pressure:    | 10 bar                                                                 |
| Shaft sealing:      | stuffing box or mechanical seal                                        |
| Flange connections: | PN 10                                                                  |
| Sense of rotation:  | clockwise, when seen from the<br>drive on the pump                     |

## APPLICATION

Series DBS volute-casing pumps can be used where the requirement is for pumping dirty liquids or liquids with solids.

|                                        |                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Sewage plants:                         | Storm water, pre-filtered sewage,<br>industrial effluents                                                     |
| Chemical plants:                       | Chemical effluents, brines and lies, milk<br>of lime, crystal sludge, filter material,<br>plastic suspensions |
| Rolling mills:                         | Scale-contaminated water from steel and<br>copper rolling mills                                               |
| Foundries and iron<br>and steel works: | Effluents and sludges from dust and<br>arrester plants                                                        |
| Construction industry:                 | Mixtures of water and cement and water<br>from excavation ditches                                             |
| Paper and cellulose<br>pulp industry:  | Paper, chemical pulp and mechanical<br>suspensions up to 6% absolutely dry                                    |
| Sugar mills:                           | Carbonation juice, concentrated juice,<br>milk of lime                                                        |
| Food industry:                         | Thick mash, fruit and potato slices<br>(parings)                                                              |

## DESIGN

Process type, single-stage, volute casing pumps with design features and nominal rating to ISO2858/EN22858 and enlarged sizes.

The process design permits dismantling of the complete bearing unit towards the drive end, without the pump casing having to be disconnected from the piping. If a spacer coupling is used it is also unnecessary to disconnect the motor.

## CONSTRUCTION

**Casing pressure:** Max. 10 bar between -10 °C and +120 °C  
Please note: Casing pressure = Inlet pressure + shut off head.  
Max. test pressure 16 bar



### Branch positions:

Suction branch axial, discharge branch radial upwards.

### Flanges:

Connection dimensions of flanges DIN 2501 PN 10 .  
Flanges can be supplied drilled to ANSI  
Optional the pump can be supplied with a flange adapter  
piece on the suction side (see sectional drawing, pos. 72.20)

### Bearings:

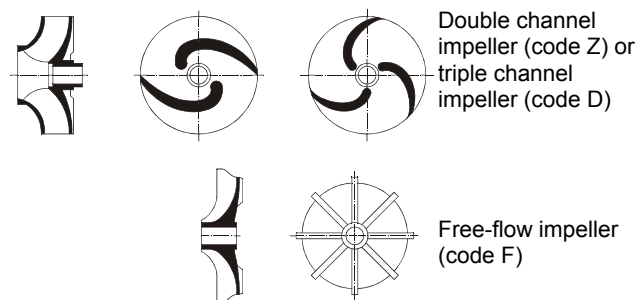
Execution B:  
Pump end: one cylindrical roller bearing to DIN 5412  
Drive end: one deep groove ball bearing to DIN 625  
The bearings are grease lubricated

Execution C:  
Pump end: one cylindrical roller bearing to DIN 5412  
Drive end: one deep groove ball bearing to DIN 625  
The bearings are oil lubricated

Execution S:  
Pump end: one cylindrical roller bearing to DIN 5412  
Drive end: two angular contact ball bearings in O-arrangement.  
The bearings are grease lubricated

Execution T:  
Pump end: one cylindrical roller bearing to DIN 5412  
Drive end: two angular contact ball bearings in O-arrangement.  
The bearings are oil lubricated

### Shapes of impellers:



If required, the sealing clearance gap on the suction side of pumps fitted with double and triple channel and wear plates can be arranged for flushing.

**Shaft sealing:**

A stuffing box or a mechanical seal, as required, can affect the sealing of the shaft.

**Variants with stuffing box:**

Designation 052: Uncooled stuffing box with external sealing (inlet only).  
Temperature range: -10 °C to 110°C.

Designation 051: Uncooled stuffing box with external sealing and flushing  
Temperature range: -10°C to 110°C.

Designation 071: Uncooled stuffing box with flushing upstream of packing and flushing between wear plate and impeller (only for double and twin channel impellers)  
Temperature range: -10°C to 110 °C

**Variants with mechanical seal:**

The installation with mechanical seal to DIN 24960 is possible in all versions described there, as a single mechanical seal, double mechanical seal and mechanical seal with a stationary spring element.

Double mechanical seals can be mounted in back-to-back or tandem arrangement.

Designation BKW: Unbalanced mechanical seal,  
Materials: SiC-SiC- Perbunan®  
Temperature range: -20...+ 120 °C

Designation BKS: Unbalanced mechanical seal  
Materials: SiC-SiC-Viton®  
Temperature range: -20...+ 120 °C

Other shaft seals upon request.

**MATERIAL EXECUTION:**

| Pos.  | ITEMS                        | Material execution |                 |                 |
|-------|------------------------------|--------------------|-----------------|-----------------|
|       |                              | 0B                 | 0E              | 4B              |
| 10.20 | Casing                       | Cast iron          |                 | Stainless steel |
| 13.50 | Wear plate                   | Cast iron          | Stainless steel |                 |
| 16.10 | Casing cover                 | Cast iron          |                 |                 |
| 21.10 | Shaft                        | Carbon steel       |                 |                 |
| 23.00 | Impeller                     | Cast iron          | Stainless steel |                 |
| 33.00 | Bearing bracket              | Cast iron          |                 |                 |
| 52.30 | Shaft sleeve mechanical seal | Stainless steel    |                 |                 |
| 52.40 | Shaft sleeve stuffing box    |                    |                 |                 |

Other materials on request

**Casing seal:**

The casing is sealed by flat gasket IT 400.

**Drive / Speed:**

By commercial electric motors, type of construction motor, IM B3.

For the determination of the drive power we recommend the following additions:

Up to 4 kW: 25%

4 up to 7,5 kW: 20%

from 7,5 kW: 15%

The following speeds limits are to be observed:

| Max. Speed rpm | Size                                                                  | Max. speed rpm | Size                           | Max. speed rpm | Size                                                                              | Max. speed rpm | Size             |
|----------------|-----------------------------------------------------------------------|----------------|--------------------------------|----------------|-----------------------------------------------------------------------------------|----------------|------------------|
| 3600           | 3216F<br>3220F<br>4016F/D<br>4020F/D<br>5016F/D<br>5020F/Z<br>6520F/Z | 3000           | 5026F/D<br>8026F/Z<br>10026F/Z | 1800           | 5032F/Z<br>8032F/Z<br>8040Z<br>10032F/D<br>12540F/D<br>15032Z<br>20032D<br>20040D | 1500           | 12550D<br>20050D |
|                |                                                                       |                |                                |                |                                                                                   | 960            | 30040D           |

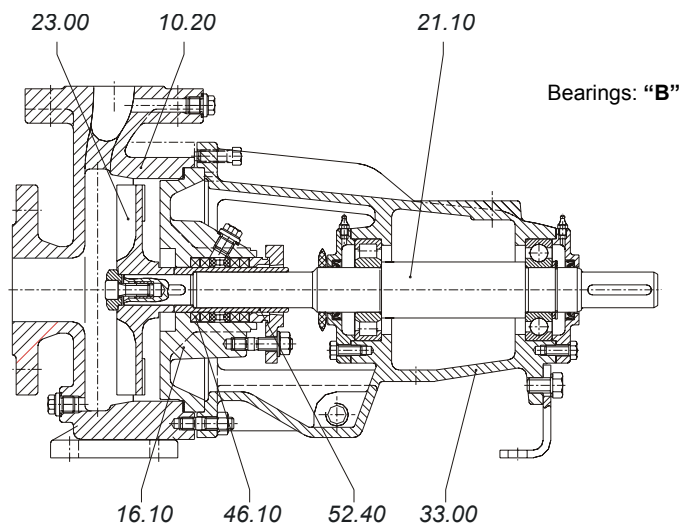
The max. speed result from the admissible shaft load and the admissible peripheral speed of the impellers

$$\text{Maximum permissible shaft load} = \frac{P_N \text{ in (kW)}}{n \text{ in (rpm)}}$$

| Shaft | Carbon steel | Stainless steel | Shaft | Carbon steel | Stainless steel |
|-------|--------------|-----------------|-------|--------------|-----------------|
| 35    | 0,011        | 0,008           | 65    | 0,10         | 0,08            |
| 45    | 0,022        | 0,016           | 75    | 0,18         | 0,14            |
| 55    | 0,052        | 0,040           |       |              |                 |

SECTIONAL DRAWINGS AND PARTS LIST

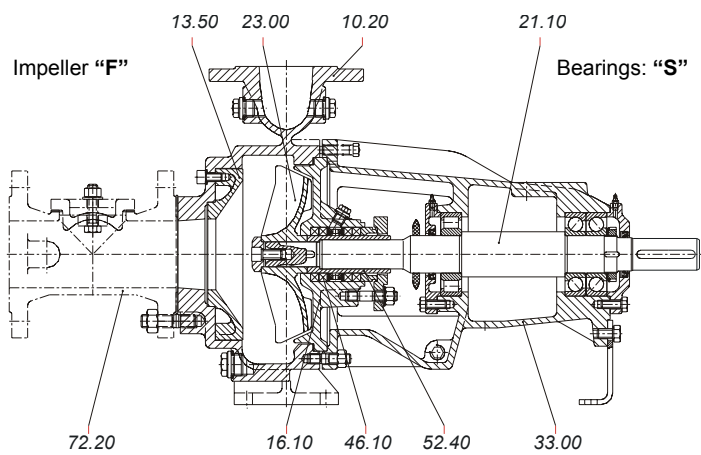
Only for DBSA 3216F and DBSA 3220F  
(without wear plate)



- 10.20 Casing
- 16.10 Casing cover
- 33.00 Bearing bracket
- 21.10 Shaft
- 23.00 Impeller
- 46.10 Stuffing box
- 52.40 Shaft sleeve

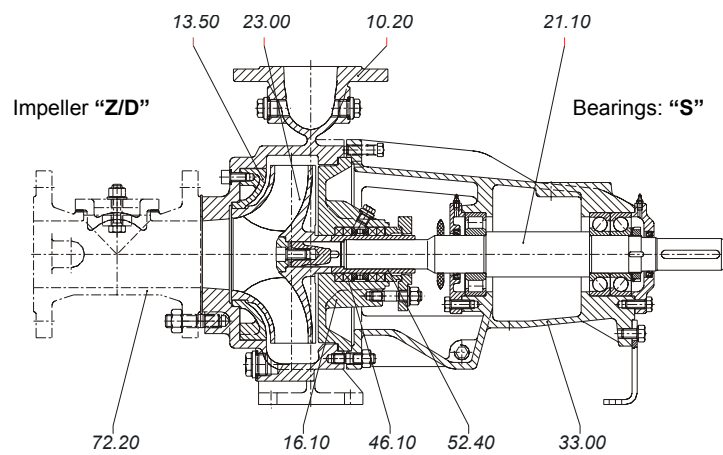
Shaft sealing design 052

Remaining pumps sizes

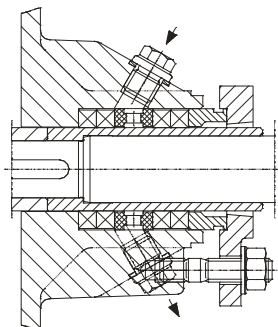


- 10.20 Casing
- 13.50 Wear plate
- 16.10 Casing cover
- 33.00 Bearing bracket
- 21.10 Shaft
- 23.00 Impeller
- 46.10 Stuffing box
- 52.40 Shaft sleeve
- 72.20 Adapter piece

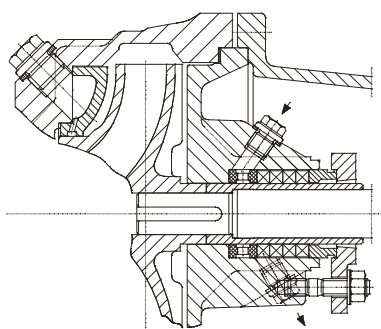
Shaft sealing design 052



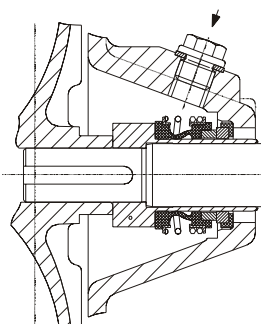
## Types of shaft sealings



**Designation 051:** Uncooled stuffing box with external sealing and flushing. Temperature range: -10°C to 110°C



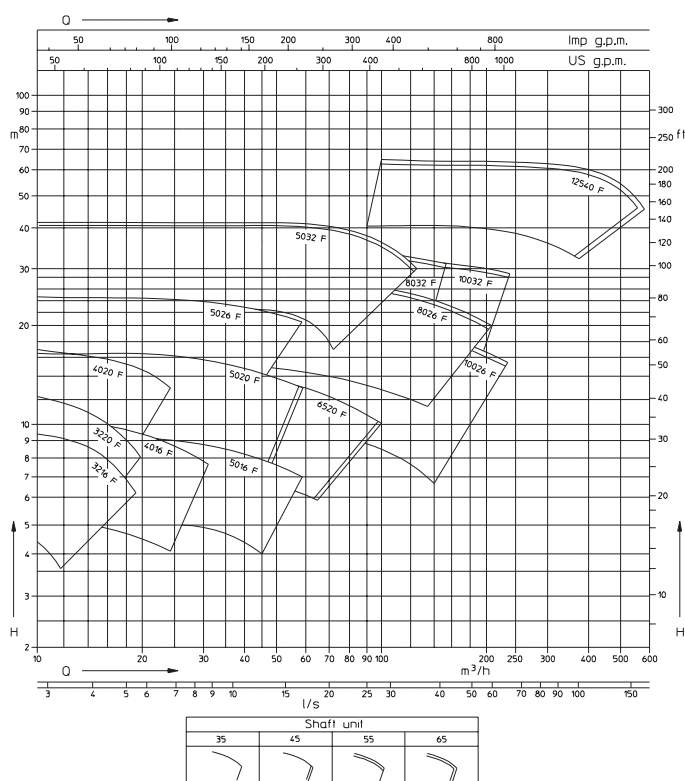
**Designation 071:** Uncooled stuffing box with flushing upstream of packing and flushing between wear plate and impeller. Temperature range: -10°C to 110°C



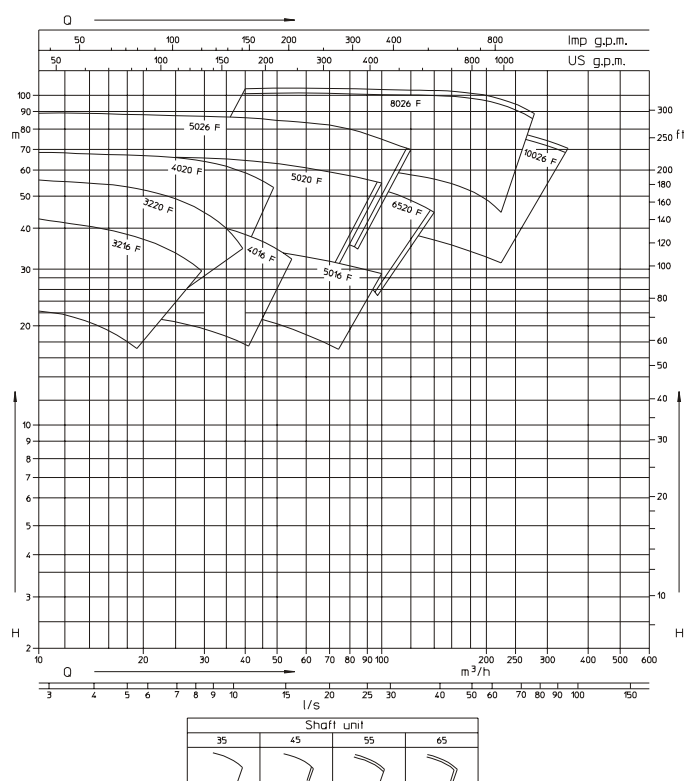
**Mechanical seal**

## PERFORMANCE GRAPHS

### Pumps with free flow impeller "F"

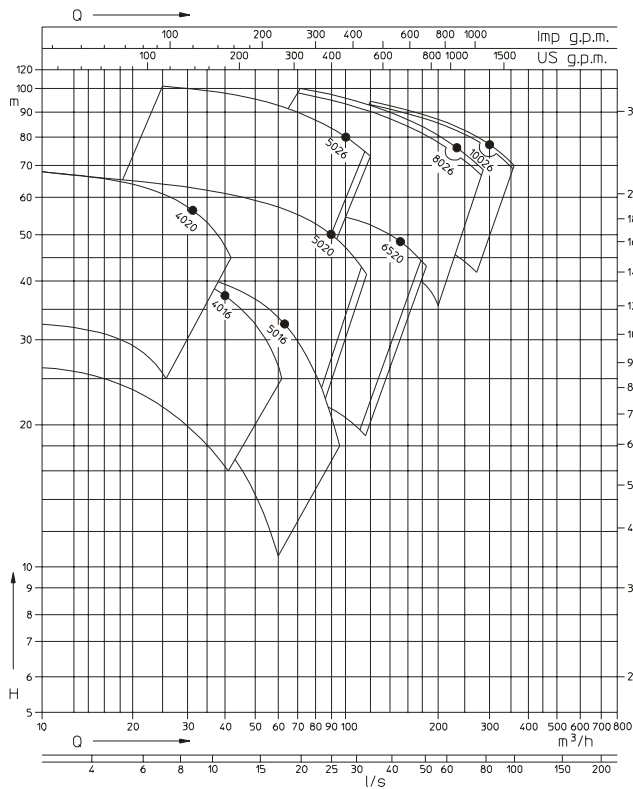


1450 rpm



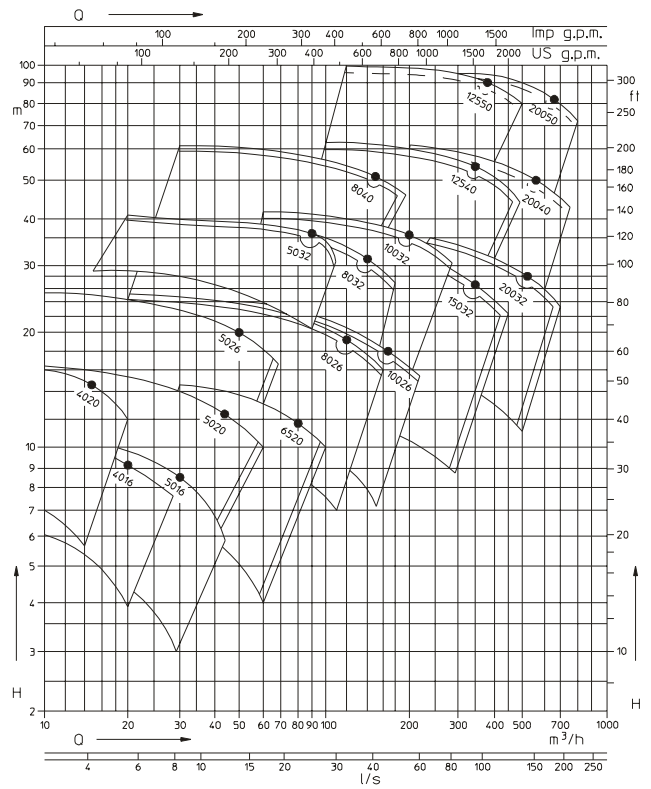
2900 rpm

## Pumps with channel impeller, double (Z) respectively triple (D)



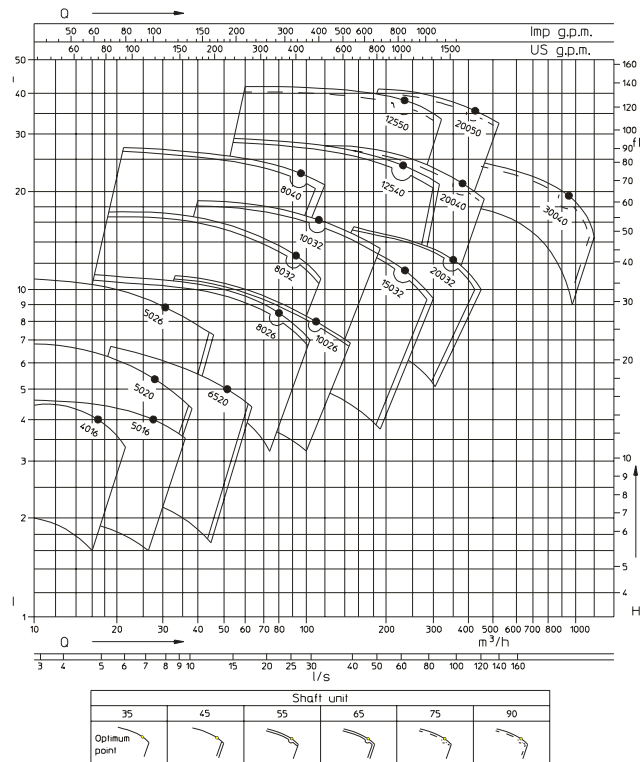
| Shaft unit    |    |    |
|---------------|----|----|
| 35            | 45 | 55 |
| Optimum point |    |    |

2900 rpm



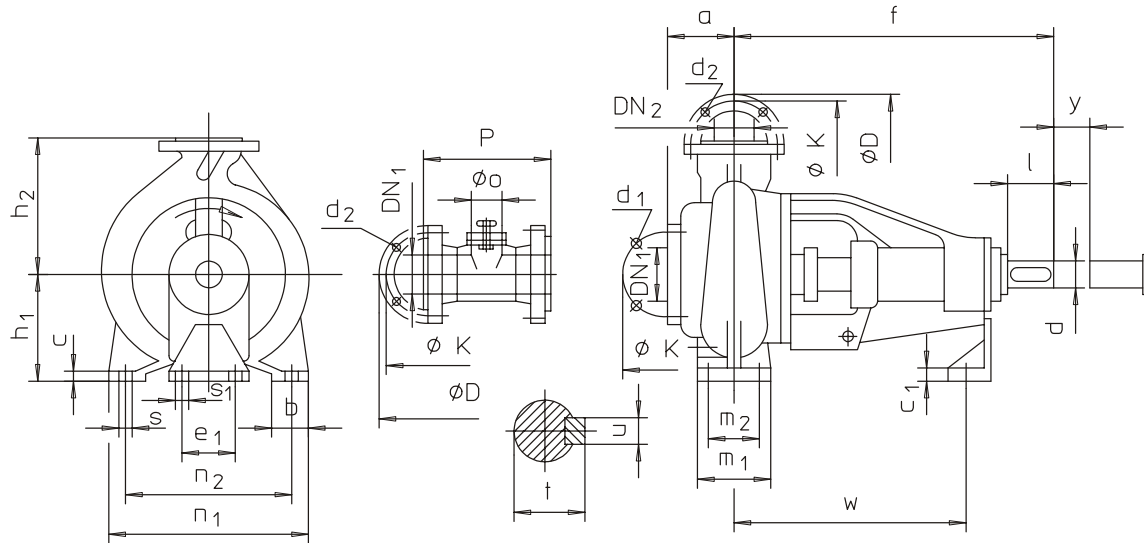
| Shaft unit    |    |    |    |    |
|---------------|----|----|----|----|
| 35            | 45 | 55 | 65 | 75 |
| Optimum point |    |    |    |    |

1450 rpm



960 rpm

## DIMENSIONS



Dimensions in mm

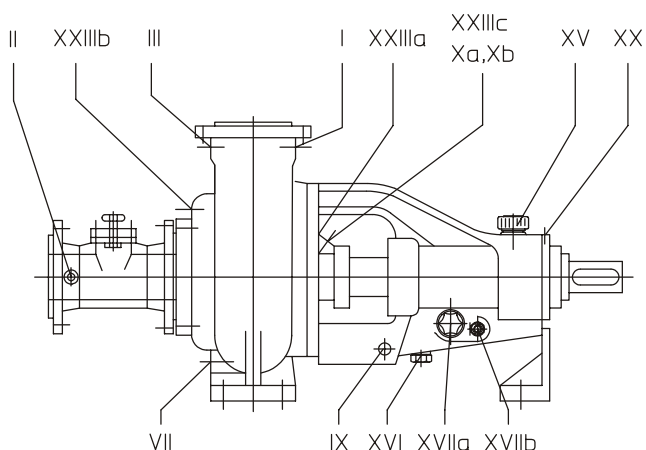
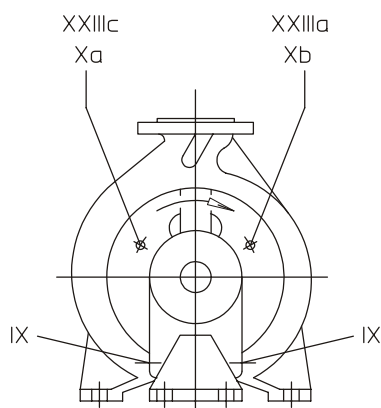
| Size  | Bearin<br>g           | Pumps dimensions |     |     |     |     |     | Foot dimensions |    |    |     |     |     |     |     |     |     |     | Shaft end |     |      |    | Spa | 1)  |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
|-------|-----------------------|------------------|-----|-----|-----|-----|-----|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|------|----|-----|-----|-----|-----|--|---|---|--|--|--|-----|--|--|-----|--|--|--|--|
|       |                       | DN2              | DN1 | a   | f   | h1  | h2  | b               | c  | c1 | e1  | m1  | m2  | n1  | n2  | s   | s1  | w   | d         | l   | t    | u  | y   | o   | P   |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 3216  | 35                    | 32               | 50  | 80  | 425 | 132 | 160 | 50              | 14 | 6  | 110 | 100 | 70  | 240 | 190 | 14  | 15  | 315 | 28        | 60  | 31   | 8  | 140 | 80  | 200 |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 3220  |                       |                  |     |     |     | 420 | 160 |                 |    |    |     |     |     |     |     |     | 180 |     |           |     |      |    |     |     |     | 310 |  | - | - |  |  |  |     |  |  |     |  |  |  |  |
| 4016  | 35                    | 40               | 50  | 90  | 405 | 160 | 180 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  | 295 |  |  |     |  |  |  |  |
| 4020  |                       |                  |     |     |     | 410 |     |                 |    |    |     |     |     |     |     |     | 200 |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  | 300 |  |  |  |  |
| 5016  | 35                    | 50               | 65  | 100 | 405 | 160 | 65  | 8               | 12 | 6  | 125 | 95  | 320 | 250 | 345 | 280 | 15  | 370 | 38        | 80  | 41   | 10 | 140 | 80  | 200 |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 5020  | 45                    |                  |     | 112 | 500 | 180 |     |                 |    |    |     |     |     |     |     |     | 200 |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 5026  |                       |                  |     | 125 | 200 | 250 |     |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 5032  | 55                    |                  |     | 80  | 140 | 550 |     |                 |    |    |     |     |     |     |     |     | 225 |     | 280       |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 6520  | 45                    | 65               | 80  | 125 | 500 | 180 | 225 | 80              | 18 | 15 | 140 | 160 | 120 | 435 | 355 | 18  | 13  | 370 | 38        | 80  | 41   | 10 | 125 | 250 |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 8026  | 55                    | 80               |     | 130 | 550 | 225 | 280 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 8032  |                       |                  |     | 125 | 250 | 315 |     |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 8040  | 65                    |                  |     |     | 670 | 280 | 355 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 10026 | 55                    | 100              | 125 | 140 | 550 | 225 | 280 | 100             | 22 | 15 | 140 | 200 | 150 | 500 | 400 | 22  | 18  | 500 | 48        | 110 | 51.5 | 14 | 180 | 150 | 300 |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 10032 |                       |                  |     |     |     | 250 | 315 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 12540 | 65                    | 125              | 150 | 170 | 670 | 315 | 400 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 12550 | 75                    |                  |     |     | 720 | 355 | 450 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 15032 | 65                    | 150              | 200 | 200 | 670 | 280 | 400 | 100             | 24 | 15 | 140 | 200 | 150 | 500 | 400 | 22  | 18  | 500 | 55        | 110 | 59   | 16 | 180 | 150 | 300 |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 20032 |                       |                  |     |     |     | 315 | 450 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 20040 | 75                    | 200              | 200 | 200 | 720 | 355 | 500 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 20050 |                       |                  |     |     |     | 400 | 530 |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |
| 30040 | Dimensions on request |                  |     |     |     |     |     |                 |    |    |     |     |     |     |     |     |     |     |           |     |      |    |     |     |     |     |  |   |   |  |  |  |     |  |  |     |  |  |  |  |

| Dimensions connections flanges according to DIN 2501 PN - 10 |        |        |          |          |          |          |          |          |          |
|--------------------------------------------------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|
| DN1/DN2                                                      | 32     | 40     | 50       | 65       | 80       | 100      | 125      | 150      | 200      |
| Ø D                                                          | 140    | 150    | 165      | 185      | 200      | 220      | 250      | 285      | 340      |
| Ø k                                                          | 100    | 110    | 125      | 145      | 160      | 180      | 210      | 240      | 295      |
| d1 x number                                                  | -      | -      | M 16 x 4 | M 16 x 4 | M 16 x 8 | M 16 x 8 | M 16 x 8 | M 20 x 8 | M 20 x 8 |
| d2 x number                                                  | 18 x 4 | 18 x 4 | 18 x 4   | 18 x 4   | 18 x 8   | 18 x 8   | 18 x 8   | 22 x 8   | 22 x 8   |

1) Intermediate piece optional

\*) Only for sizes 32...

## TABLE OF CONNECTIONS



| Code   | Connections                              | For version with        |     |
|--------|------------------------------------------|-------------------------|-----|
|        |                                          | Grease                  | Oil |
| I      | Pressure gauge connection                |                         |     |
| II     | Pressure/vacuum gauge connection         |                         |     |
| III    | Vent                                     |                         |     |
| VII    | Drain                                    |                         |     |
| IX     | Drip and leakage connection              |                         |     |
| Xa     | Inlet connection for sealing liquid      | External sealing        |     |
| Xb     | Outlet connection for sealing liquid     | External sealing        |     |
| XV     | Oil filling                              |                         | X   |
| XVI    | Oil drain                                |                         | X   |
| XVIIa  | Oil level sight glass                    |                         | X   |
| XVIIb  | Constant level oiler connection          |                         | X   |
| XX     | Grease nipple                            | X                       |     |
| XXIIIa | Flushing liquid connexion for shaft seal | Flushing before packing |     |
| XXIIIb | Flushing liquid connexion for wear plate | Flushing of wear plate  |     |
| XXIIIc | Seal flushing                            | External sealing        |     |

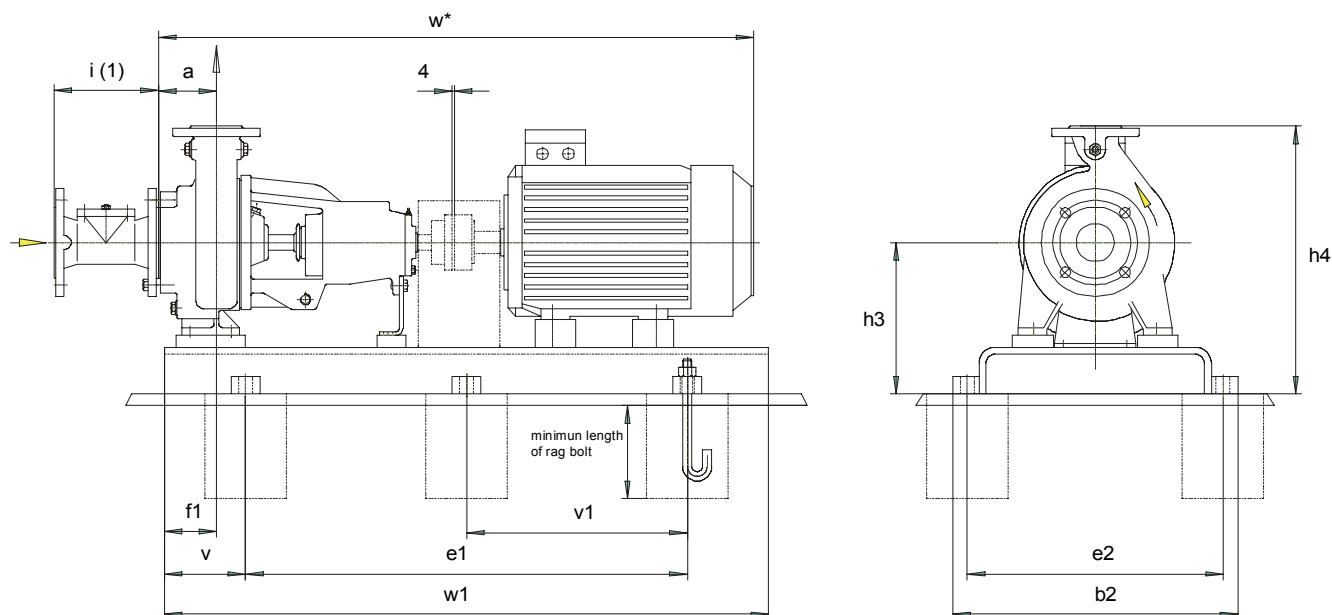
### Dimensions of connections

| Code   | Pumps with shaft unit |              |                       |              |                     |              |                     |              |               |              | 90 |
|--------|-----------------------|--------------|-----------------------|--------------|---------------------|--------------|---------------------|--------------|---------------|--------------|----|
|        | 35                    |              | 45                    |              | 55                  |              | 65                  |              | 75            |              |    |
|        | Standard type         | Special type | Standard type         | Special type | Standard type       | Special type | Standard type       | Special type | Standard type | Special type |    |
| I      | G 1/2" <sup>(4)</sup> |              | G 1/2"                |              | G 1/2"              |              | G 1/2"              |              | G 1/2"        |              |    |
| II     | Without hole          | G 1/2"       | Without hole          | G 1/2"       | Without hole        | G 1/2"       | Without hole        | G 1/2"       | Without hole  | G 1/2"       |    |
| III    | G 1/2" <sup>(5)</sup> |              | G 1/2"                |              | G 3/4"              |              | G 1" <sup>(3)</sup> |              | G 1"          |              |    |
| VII    | G 1/2" <sup>(6)</sup> |              | G 1/2" <sup>(1)</sup> |              | G 1" <sup>(2)</sup> |              | G 1" <sup>(3)</sup> |              | G 1"          |              |    |
| IX     | G 1/2"                |              | G 1/2"                |              | G 1/2"              |              | G 3/4"              |              | G 3/4"        |              |    |
| Xa     | G 1/4"                |              | G 1/4"                |              | G 1/4"              |              | G 3/8"              |              | G 3/8"        |              |    |
| Xb     | G 1/4"                |              | G 1/4"                |              | G 1/4"              |              | G 3/8"              |              | G 3/8"        |              |    |
| XV     | Ø 20                  |              | Ø 20                  |              | Ø 20                |              | Ø 20                |              | Ø 20          |              |    |
| XVI    | G 1/4"                |              | G 1/4"                |              | G 1/4"              |              | G 1/4"              |              | G 1/4"        |              |    |
| XVIIa  | G 3/4"                |              | G 3/4"                |              | G 3/4"              |              | G 3/4"              |              | G 1"          |              |    |
| XVIIb  | G 1/4"                |              | G 1/4"                |              | G 1/4"              |              | G 1/4"              |              | G 1/4"        |              |    |
| XX     | M6                    |              | M6                    |              | M6                  |              | M6                  |              | M6            |              |    |
| XXIIIa | G 1/4"                |              | G 1/4"                |              | G 1/4"              |              | G 3/8"              |              | G 3/8"        |              |    |
| XXIIIb | G 1/2"                |              | G 1/2"                |              | G 1/2"              |              | G 1/2"              |              | G 1/2"        |              |    |
| XXIIIc | G 3/8"                |              | G 1/2"                |              | G 1/2"              |              | G 1/2"              |              | G 1/2"        |              |    |

On request

- 1) G 3/4" in 6520
- 2) G 3/4" in 5032, 8026 and 8032
- 3) G 3/4" in 8040
- 4) G 1/4" in 3216 and 3220
- 5) Pumps 3216, 3220 not drilled
- 6) G 1/4" in 3216 and 3220

## Foundation plan.



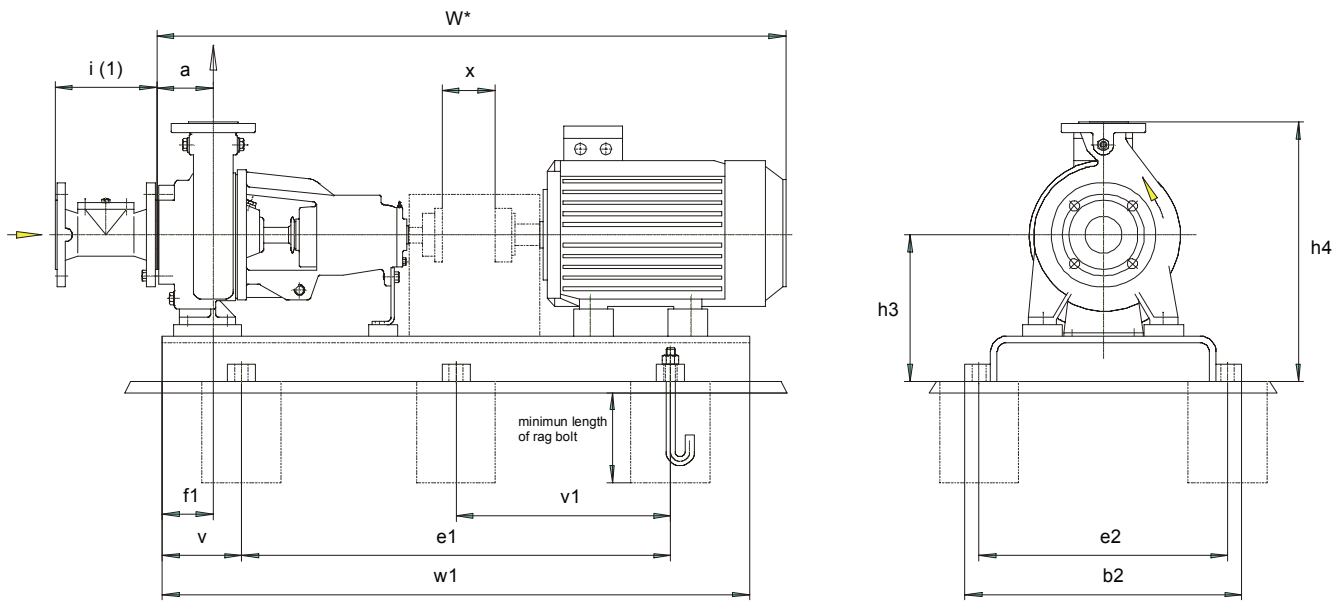
Dimensions in mm  
Tolerances for welded parts acc. to DIN 8570 B

| DBSA<br>Size | Motor       |            | Size | Base<br>plate<br>No. | Cplg. | Weight (kg) |      |    |                |                |                |                |                |                |     |     |                |      |                |         |         | Rag<br>bolt<br>size |
|--------------|-------------|------------|------|----------------------|-------|-------------|------|----|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|------|----------------|---------|---------|---------------------|
|              | 1450<br>rpm | 2900<br>kW |      |                      |       | Pump        | Unit | a  | b <sub>2</sub> | e <sub>1</sub> | e <sub>2</sub> | f <sub>1</sub> | h <sub>3</sub> | h <sub>4</sub> | i   | v   | v <sub>1</sub> | w    | w <sub>1</sub> |         |         |                     |
| 3216         | 0,25        | -          | 71   | S272                 | B68   | 42          | 79   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 749  | 820            | M16x250 |         |                     |
|              | 0,37        | -          | 71   | S272                 | B68   | 42          | 80   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 749  | 820            | M16x250 |         |                     |
|              | 0,55        | -          | 80   | S272                 | B68   | 42          | 83   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 783  | 820            | M16x250 |         |                     |
|              | 0,75        | -          | 80   | S272                 | B68   | 42          | 84   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 783  | 820            | M16x250 |         |                     |
|              | 1,10        | 1,50       | 90S  | S272                 | B68   | 42          | 87   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 840  | 820            | M16x250 |         |                     |
|              | 1,50        | 2,20       | 90L  | S272                 | B68   | 42          | 90   | 80 | 360            | 540            | 320            | 60             | 197            | 357            | -   | 140 | -              | 840  | 820            | M16x250 |         |                     |
|              | -           | 3,00       | 100L | S017                 | B80   | 42          | 115  | 80 | 361            | 700            | 325            | 60             | 192            | 352            | -   | 200 | -              | 881  | 1100           | M12x150 |         |                     |
|              | -           | 4,00       | 112M | S017                 | B80   | 42          | 124  | 80 | 361            | 700            | 325            | 60             | 192            | 352            | -   | 200 | -              | 902  | 1100           | M12x150 |         |                     |
|              | -           | 5,50       | 132S | S303                 | B95   | 42          | 135  | 80 | 390            | 600            | 350            | 60             | 197            | 357            | -   | 160 | -              | 962  | 920            | M16x250 |         |                     |
|              | -           | 7,50       | 132S | S303                 | B95   | 42          | 140  | 80 | 390            | 600            | 350            | 60             | 197            | 357            | -   | 160 | -              | 962  | 920            | M16x250 |         |                     |
| 3220         | 0,55        | -          | 80   | S272                 | B68   | 44          | 85   | 80 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 778  | 820            | M16x250 |         |                     |
|              | 0,75        | -          | 80   | S272                 | B68   | 44          | 86   | 80 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 778  | 820            | M16x250 |         |                     |
|              | 1,10        | -          | 90S  | S272                 | B68   | 44          | 89   | 80 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 835  | 820            | M16x250 |         |                     |
|              | 1,50        | -          | 90L  | S272                 | B68   | 44          | 92   | 80 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 835  | 820            | M16x250 |         |                     |
|              | 2,20        | 3,00       | 100L | S017                 | B80   | 44          | 117  | 80 | 361            | 700            | 325            | 60             | 220            | 400            | -   | 200 | -              | 876  | 1100           | M12x150 |         |                     |
|              | 3,00        | -          | 100L | S017                 | B80   | 44          | 120  | 80 | 361            | 700            | 325            | 60             | 220            | 400            | -   | 200 | -              | 876  | 1100           | M12x150 |         |                     |
|              | -           | 4,00       | 112M | S017                 | B80   | 44          | 126  | 80 | 361            | 700            | 325            | 60             | 220            | 400            | -   | 200 | -              | 897  | 1100           | M12x150 |         |                     |
|              | -           | 5,50       | 132S | S303                 | B95   | 44          | 137  | 80 | 390            | 600            | 350            | 60             | 225            | 405            | -   | 160 | -              | 957  | 920            | M16x250 |         |                     |
|              | -           | 7,50       | 132S | S303                 | B95   | 44          | 142  | 80 | 390            | 600            | 350            | 60             | 225            | 405            | -   | 160 | -              | 957  | 920            | M16x250 |         |                     |
|              | -           | 11,00      | 160M | S344                 | B95   | 44          | 190  | 80 | 450            | 660            | 400            | 60             | 240            | 420            | -   | 180 | -              | 1092 | 1020           | M20x400 |         |                     |
|              | -           | 15,00      | 160M | S344                 | B95   | 44          | 200  | 80 | 450            | 660            | 400            | 60             | 240            | 420            | -   | 180 | -              | 1092 | 1020           | M20x400 |         |                     |
|              | 4016        | 0,55       | -    | 80                   | S272  | B68         | 47   | 88 | 90             | 360            | 540            | 320            | 60             | 225            | 405 | -   | 140            | -    | 773            | 820     | M16x250 |                     |
| 0,75         |             | -          | 80   | S272                 | B68   | 47          | 89   | 90 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 773  | 820            | M16x250 |         |                     |
| 1,10         |             | -          | 90S  | S272                 | B68   | 47          | 92   | 90 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 830  | 820            | M16x250 |         |                     |
| 1,50         |             | -          | 90L  | S272                 | B68   | 47          | 95   | 90 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 830  | 820            | M16x250 |         |                     |
| 2,20         |             | 3,00       | 100L | S272                 | B80   | 47          | 120  | 90 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 871  | 820            | M16x250 |         |                     |
| -            |             | 4,00       | 112M | S272                 | B80   | 47          | 130  | 90 | 360            | 540            | 320            | 60             | 225            | 405            | -   | 140 | -              | 892  | 820            | M16x250 |         |                     |
| -            |             | 5,50       | 132S | S303                 | B95   | 47          | 140  | 90 | 390            | 600            | 350            | 60             | 225            | 405            | -   | 160 | -              | 952  | 920            | M16x250 |         |                     |
| -            |             | 7,50       | 132S | S303                 | B95   | 47          | 145  | 90 | 390            | 600            | 350            | 60             | 225            | 405            | -   | 160 | -              | 952  | 920            | M16x250 |         |                     |
| -            |             | 11,00      | 160M | S344                 | B95   | 47          | 193  | 90 | 450            | 660            | 400            | 60             | 240            | 420            | -   | 180 | -              | 1087 | 1020           | M20x400 |         |                     |
| -            |             | 15,00      | 160M | S344                 | B95   | 47          | 200  | 90 | 450            | 660            | 400            | 60             | 240            | 420            | -   | 180 | -              | 1087 | 1020           | M20x400 |         |                     |
| 4020         | 0,37        | -          | 71   | S272                 | B68   | 48          | 86   | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 744  | 820            | M16x250 |         |                     |
|              | 0,55        | -          | 80   | S272                 | B68   | 48          | 89   | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 778  | 820            | M16x250 |         |                     |
|              | 0,75        | -          | 80   | S272                 | B68   | 48          | 90   | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 778  | 820            | M16x250 |         |                     |
|              | 1,10        | -          | 90S  | S272                 | B68   | 48          | 93   | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 835  | 820            | M16x250 |         |                     |
|              | 1,50        | 2,20       | 90L  | S272                 | B68   | 48          | 96   | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 835  | 820            | M16x250 |         |                     |
|              | 2,20        | 3,00       | 100L | S272                 | B80   | 48          | 121  | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 876  | 820            | M16x250 |         |                     |
|              | 3,00        | -          | 100L | S272                 | B80   | 48          | 124  | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 876  | 820            | M16x250 |         |                     |
|              | -           | 4,00       | 112M | S272                 | B80   | 48          | 131  | 90 | 360            | 540            | 320            | 60             | 225            | 425            | -   | 140 | -              | 897  | 820            | M16x250 |         |                     |
|              | -           | 5,50       | 132S | S303                 | B95   | 48          | 141  | 90 | 390            | 600            | 350            | 60             | 225            | 425            | -   | 160 | -              | 957  | 920            | M16x250 |         |                     |
|              | -           | 7,50       | 132S | S303                 | B95   | 48          | 146  | 90 | 390            | 600            | 350            | 60             | 225            | 425            | -   | 160 | -              | 957  | 920            | M16x250 |         |                     |
|              | -           | 11,00      | 160M | S344                 | B95   | 48          | 194  | 90 | 450            | 660            | 400            | 60             | 240            | 440            | -   | 180 | -              | 1092 | 1020           | M20x400 |         |                     |
|              | -           | 15,00      | 160M | S344                 | B95   | 48          | 201  | 90 | 450            | 660            | 400            | 60             | 240            | 440            | -   | 180 | -              | 1092 | 1020           | M20x400 |         |                     |
|              | -           | 18,50      | 160L | S344                 | B95   | 48          | 211  | 90 | 450            | 660            | 400            | 60             | 240            | 440            | -   | 180 | -              | 1092 | 1020           | M20x400 |         |                     |

| DBSA<br>Size | Motor                    |       | Size | Base<br>plate<br>No. | Cplg. | Weight (kg) |      |     |                |                |                |                |                |                |     |     |                |      |                | Rag<br>bolt<br>size |
|--------------|--------------------------|-------|------|----------------------|-------|-------------|------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|------|----------------|---------------------|
|              | rpm<br>1450   2900<br>kW |       |      |                      |       | Pump        | Unit | a   | b <sub>2</sub> | e <sub>1</sub> | e <sub>2</sub> | f <sub>1</sub> | h <sub>3</sub> | h <sub>4</sub> | i   | v   | v <sub>1</sub> | w    | w <sub>1</sub> |                     |
| 5016         | 0,55                     | -     | 80   | S301                 | B68   | 52          | 92   | 100 | 390            | 480            | 350            | 60             | 225            | 425            | 200 | 125 | -              | 783  | 730            | M16x250             |
|              | 0,75                     | -     | 80   | S301                 | B68   | 52          | 93   | 100 | 390            | 480            | 350            | 60             | 225            | 425            | 200 | 125 | -              | 783  | 730            | M16x250             |
|              | 1,10                     | -     | 90S  | S303                 | B68   | 52          | 102  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 840  | 920            | M16x250             |
|              | 1,50                     | -     | 90L  | S303                 | B68   | 52          | 104  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 840  | 920            | M16x250             |
|              | 2,20                     | -     | 100L | S303                 | B80   | 52          | 124  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 881  | 920            | M16x250             |
|              | 3,00                     | -     | 100L | S303                 | B80   | 52          | 127  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 881  | 920            | M16x250             |
|              | -                        | 4,00  | 112M | S303                 | B80   | 52          | 134  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 902  | 920            | M16x250             |
|              | -                        | 5,50  | 132S | S303                 | B95   | 52          | 145  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 962  | 920            | M16x250             |
|              | -                        | 7,50  | 132S | S303                 | B95   | 52          | 150  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 962  | 920            | M16x250             |
|              | -                        | 11,00 | 160M | S344                 | B95   | 52          | 198  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 1097 | 1020           | M20x400             |
|              | -                        | 15,00 | 160M | S344                 | B95   | 52          | 207  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 1097 | 1020           | M20x400             |
|              | -                        | 18,50 | 160L | S344                 | B95   | 52          | 217  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 1097 | 1020           | M20x400             |
| 5020         | 1,10                     | -     | 90S  | S303                 | B80   | 69          | 121  | 112 | 390            | 600            | 350            | 60             | 245            | 445            | 200 | 160 | -              | 947  | 920            | M16x250             |
|              | 1,50                     | -     | 90L  | S303                 | B80   | 69          | 124  | 112 | 390            | 600            | 350            | 60             | 245            | 445            | 200 | 160 | -              | 947  | 920            | M16x250             |
|              | 2,20                     | -     | 100L | S303                 | B80   | 69          | 142  | 112 | 390            | 600            | 350            | 60             | 245            | 445            | 200 | 160 | -              | 988  | 920            | M16x250             |
|              | 3,00                     | -     | 100L | S303                 | B80   | 69          | 142  | 112 | 390            | 600            | 350            | 60             | 245            | 445            | 200 | 160 | -              | 988  | 920            | M16x250             |
|              | 4,00                     | 4,00  | 112M | S303                 | B80   | 69          | 153  | 112 | 390            | 600            | 350            | 60             | 245            | 445            | 200 | 160 | -              | 1009 | 920            | M16x250             |
|              | 5,50                     | 5,50  | 132S | S344                 | B95   | 69          | 174  | 112 | 450            | 660            | 400            | 60             | 260            | 460            | 200 | 180 | -              | 1069 | 1020           | M20x400             |
|              | -                        | 7,50  | 132S | S344                 | B95   | 69          | 174  | 112 | 450            | 660            | 400            | 60             | 260            | 460            | 200 | 180 | -              | 1069 | 1020           | M20x400             |
|              | -                        | 11,00 | 160M | S385                 | B95   | 69          | 231  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 1204 | 1140           | M20x400             |
|              | -                        | 15,00 | 160M | S385                 | B95   | 69          | 243  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 1204 | 1140           | M20x400             |
|              | -                        | 18,50 | 160L | S385                 | B95   | 69          | 253  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 1204 | 1140           | M20x400             |
|              | -                        | 22,00 | 180M | S385                 | B110  | 69          | 284  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 1286 | 1140           | M20x400             |
|              | -                        | 30,00 | 200L | S436                 | B125  | 69          | 359  | 112 | 540            | 840            | 490            | 60             | 280            | 480            | 200 | 215 | -              | 1336 | 1270           | M20x400             |
| 5026         | 2,20                     | -     | 100L | S385                 | B80   | 89          | 180  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1001 | 1140           | M20x400             |
|              | 3,00                     | -     | 100L | S385                 | B80   | 89          | 193  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1001 | 1140           | M20x400             |
|              | 4,00                     | -     | 112M | S385                 | B80   | 89          | 202  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1022 | 1140           | M20x400             |
|              | 5,50                     | -     | 132S | S385                 | B95   | 89          | 213  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1082 | 1140           | M20x400             |
|              | 7,50                     | -     | 132M | S385                 | B95   | 89          | 220  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1082 | 1140           | M20x400             |
|              | -                        | 11,00 | 160M | S385                 | B95   | 89          | 254  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 15,00 | 160M | S385                 | B95   | 89          | 263  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 18,50 | 160L | S385                 | B95   | 89          | 273  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 22,00 | 180M | S385                 | B110  | 89          | 304  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 1299 | 1140           | M20x400             |
|              | -                        | 30,00 | 200L | S436                 | B125  | 89          | 380  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 1349 | 1270           | M20x400             |
|              | -                        | 37,00 | 200L | S436                 | B125  | 89          | 400  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 1349 | 1270           | M20x400             |
|              | -                        | 45,00 | 225M | S486                 | B125  | 89          | 468  | 125 | 610            | 840            | 550            | 75             | 325            | 575            | 200 | 205 | -              | 1389 | 1250           | M24x400             |
| -            | 55,00                    | 250M  | S607 | B140                 | 89    | 597         | 125  | 730 | 940            | 670            | 75             | 350            | 600            | 200            | 230 | -   | 1519           | 1400 | M24x400        |                     |
| 5032         | 4,00                     | -     | 112M | S435                 | B110  | 151         | 271  | 140 | 540            | 740            | 490            | 75             | 305            | 585            | 200 | 200 | -              | 1087 | 1140           | M20x400             |
|              | 5,50                     | -     | 132S | S435                 | B110  | 151         | 281  | 140 | 540            | 740            | 490            | 75             | 305            | 585            | 200 | 200 | -              | 1147 | 1140           | M20x400             |
|              | 7,50                     | -     | 132M | S435                 | B110  | 151         | 288  | 140 | 540            | 740            | 490            | 75             | 305            | 585            | 200 | 200 | -              | 1147 | 1140           | M20x400             |
|              | 11,00                    | -     | 160M | S436                 | B110  | 151         | 334  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 1282 | 1270           | M20x400             |
|              | 15,00                    | -     | 160L | S436                 | B110  | 151         | 348  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 1282 | 1270           | M20x400             |
|              | 18,50                    | -     | 180M | S436                 | B110  | 151         | 364  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 1364 | 1270           | M20x400             |
|              | 22,00                    | -     | 180L | S436                 | B125  | 151         | 391  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 1364 | 1270           | M20x400             |
|              | 30,00                    | -     | 200L | S436                 | B125  | 151         | 441  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 1414 | 1270           | M20x400             |
| 6520         | 1,50                     | -     | 90L  | S385                 | B80   | 78          | 162  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 960  | 1140           | M20x400             |
|              | 2,20                     | -     | 100L | S385                 | B80   | 78          | 179  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1001 | 1140           | M20x400             |
|              | 3,00                     | -     | 100L | S385                 | B80   | 78          | 182  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1001 | 1140           | M20x400             |
|              | 4,00                     | -     | 112M | S385                 | B80   | 78          | 191  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1022 | 1140           | M20x400             |
|              | 5,50                     | -     | 132S | S385                 | B95   | 78          | 202  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1082 | 1140           | M20x400             |
|              | 7,50                     | -     | 132M | S385                 | B95   | 78          | 209  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1082 | 1140           | M20x400             |
|              | -                        | 7,50  | 132S | S385                 | B95   | 78          | 205  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1082 | 1140           | M20x400             |
|              | -                        | 11,00 | 160M | S385                 | B95   | 78          | 243  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 15,00 | 160M | S385                 | B95   | 78          | 252  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 18,50 | 160L | S385                 | B95   | 78          | 262  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1217 | 1140           | M20x400             |
|              | -                        | 22,00 | 180M | S385                 | B110  | 78          | 293  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 1299 | 1140           | M20x400             |
|              | -                        | 30,00 | 200L | S436                 | B125  | 78          | 368  | 125 | 540            | 840            | 490            | 75             | 280            | 505            | 200 | 215 | -              | 1349 | 1270           | M20x400             |
| -            | 37,00                    | 200L  | S436 | B125                 | 78    | 388         | 125  | 540 | 840            | 490            | 75             | 280            | 505            | 200            | 215 | -   | 1349           | 1270 | M20x400        |                     |
| -            | 45,00                    | 225M  | S486 | B125                 | 78    | 457         | 125  | 610 | 840            | 550            | 75             | 325            | 550            | 200            | 205 | -   | 1389           | 1250 | M24x400        |                     |
| 8026         | 3,00                     | -     | 100L | S486                 | B110  | 112         | 240  | 130 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1056 | 1250           | M24x400             |
|              | 4,00                     | -     | 112M | S486                 | B110  | 112         | 250  | 130 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1077 | 1250           | M24x400             |
|              | 5,50                     | -     | 132S | S486                 | B110  | 112         | 260  | 130 | 610            | 840            | 550            | 90             |                |                |     |     |                |      |                |                     |

| DBSA<br>Size | Motor                       |        | Size | Base<br>plate<br>No. | Cplg. | Weight (kg) |      | a   | b <sub>2</sub> | e <sub>1</sub> | e <sub>2</sub> | f <sub>1</sub> | h <sub>3</sub> | h <sub>4</sub> | i   | v   | v <sub>1</sub> | w    | w <sub>1</sub> | Rag<br>bolt<br>size |         |
|--------------|-----------------------------|--------|------|----------------------|-------|-------------|------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|------|----------------|---------------------|---------|
|              | 1450<br>rpm<br>  2900<br>kW |        |      |                      |       | Pump        | Unit |     |                |                |                |                |                |                |     |     |                |      |                |                     |         |
| 8040         | 11,00                       | -      | 160M | S538                 | B125  | 249         | 488  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 |                | 1402 | 1620           | M24x400             |         |
|              | 15,00                       | -      | 160L | S538                 | B125  | 249         | 502  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1402 | 1620           | M24x400             |         |
|              | 18,50                       | -      | 180M | S538                 | B125  | 249         | 528  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1484 | 1620           | M24x400             |         |
|              | 22,00                       | -      | 180L | S538                 | B125  | 249         | 543  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1484 | 1620           | M24x400             |         |
|              | 30,00                       | -      | 200L | S538                 | B125  | 249         | 593  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1534 | 1620           | M24x400             |         |
|              | 37,00                       | -      | 225S | S538                 | B140  | 249         | 654  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1604 | 1620           | M24x400             |         |
|              | 45,00                       | -      | 225M | S538                 | B140  | 249         | 689  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280 | -              | 1604 | 1620           | M24x400             |         |
|              |                             |        |      |                      |       |             |      |     |                |                |                |                |                |                |     |     |                |      |                |                     |         |
| 10026        | 4,00                        | -      | 112M | S486                 | B110  | 127         | 264  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1087 | 1250           | M24x400             |         |
|              | 5,50                        | -      | 132S | S486                 | B110  | 127         | 274  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1148 | 1250           | M24x400             |         |
|              | 7,50                        | -      | 132M | S486                 | B110  | 127         | 281  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1148 | 1250           | M24x400             |         |
|              | 11,00                       | -      | 160M | S486                 | B110  | 127         | 320  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1282 | 1250           | M24x400             |         |
|              | 15,00                       | -      | 160L | S486                 | B110  | 127         | 333  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1282 | 1250           | M24x400             |         |
|              | 18,50                       | -      | 180M | S486                 | B110  | 127         | 360  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1364 | 1250           | M24x400             |         |
|              | 22,00                       | -      | 180L | S486                 | B125  | 127         | 377  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205 | -              | 1364 | 1250           | M24x400             |         |
|              |                             | 30,00  | 200L | S487                 | B125  | 127         | 448  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240 | -              | 1414 | 1420           | M24x400             |         |
|              | -                           | 37,00  | 200L | S487                 | B125  | 127         | 468  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240 | -              | 1414 | 1420           | M24x400             |         |
|              | -                           | 45,00  | 225M | S487                 | B125  | 127         | 528  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240 | -              | 1454 | 1420           | M24x400             |         |
|              | -                           | 55,00  | 250M | S607                 | B140  | 127         | 642  | 140 | 730            | 940            | 670            | 90             | 350            | 630            | 250 | 230 | -              | 1584 | 1400           | M24x400             |         |
|              | -                           | 75,00  | 280S | S609A                | B160  | 127         | 725  | 140 | 744            | 1200           | 696            | 90             | 380            | 660            | 250 | 300 | -              | 1654 | 1800           | M24x400             |         |
|              | -                           | 90,00  | 280M | S609A                | B160  | 127         | 765  | 140 | 744            | 1200           | 696            | 90             | 380            | 660            | 250 | 300 | -              | 1654 | 1800           | M24x400             |         |
|              | -                           | 110,00 | 315S | S609A                | B160  | 127         | 1055 | 140 | 744            | 1200           | 696            | 90             | 415            | 695            | 250 | 300 | -              | 1766 | 1800           | M24x400             |         |
|              |                             |        |      |                      |       |             |      |     |                |                |                |                |                |                |     |     |                |      |                |                     |         |
|              | 10032                       | 7,50   | -    | 132M                 | S486  | B110        | 158  | 312 | 140            | 610            | 840            | 550            | 90             | 350            | 665 | 250 | 205            | -    | 1148           | 1250                | M24x400 |
|              |                             | 11,00  | -    | 160M                 | S486  | B110        | 158  | 350 | 140            | 610            | 840            | 550            | 90             | 350            | 665 | 250 | 205            | -    | 1282           | 1250                | M24x400 |
| 15,00        |                             | -      | 160L | S486                 | B110  | 158         | 364  | 140 | 610            | 840            | 550            | 90             | 350            | 665            | 250 | 205 | -              | 1282 | 1250           | M24x400             |         |
| 18,50        |                             | -      | 180M | S486                 | B110  | 158         | 390  | 140 | 610            | 840            | 550            | 90             | 350            | 665            | 250 | 205 | -              | 1364 | 1250           | M24x400             |         |
| 22,00        |                             | -      | 180L | S486                 | B125  | 158         | 408  | 140 | 610            | 840            | 550            | 90             | 350            | 665            | 250 | 205 | -              | 1364 | 1250           | M24x400             |         |
| 30,00        |                             | -      | 200L | S487                 | B125  | 158         | 480  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240 | -              | 1414 | 1420           | M24x400             |         |
| 37,00        |                             | -      | 225S | S487                 | B140  | 158         | 540  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240 | -              | 1484 | 1420           | M24x400             |         |
|              |                             |        |      |                      |       |             |      |     |                |                |                |                |                |                |     |     |                |      |                |                     |         |
| 12540        | 18,50                       | -      | 180M | S607                 | B125  | 268         | 541  | 170 | 730            | 940            | 670            | 110            | 415            | 815            | 280 | 230 | -              | 1514 | 1400           | M24x400             |         |
|              | 22,00                       | -      | 180L | S607                 | B125  | 268         | 556  | 170 | 730            | 940            | 670            | 110            | 415            | 815            | 280 | 230 | -              | 1514 | 1400           | M24x400             |         |
|              | 30,00                       | -      | 200L | S608                 | B125  | 268         | 623  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270 | -              | 1564 | 1600           | M24x400             |         |
|              | 37,00                       | -      | 225S | S608                 | B140  | 268         | 684  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270 | -              | 1634 | 1600           | M24x400             |         |
|              | 45,00                       | -      | 225M | S608                 | B140  | 268         | 719  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270 | -              | 1634 | 1600           | M24x400             |         |
|              | 55,00                       | -      | 250M | S608                 | B160  | 268         | 811  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270 | -              | 1734 | 1600           | M24x400             |         |
|              | 75,00                       | -      | 280S | S609A                | B180  | 268         | 1015 | 170 | 744            | 1200           | 696            | 110            | 415            | 815            | 280 | 300 | -              | 1804 | 1800           | M24x400             |         |
|              | 90,00                       | -      | 280M | S609A                | B180  | 268         | 1060 | 170 | 744            | 1200           | 696            | 110            | 415            | 815            | 280 | 300 | -              | 1804 | 1800           | M24x400             |         |
| 12550        | 30,00                       | -      | 200L | S608                 | B160  | 403         | 761  | 170 | 730            | 1060           | 670            | 110            | 455            | 905            | 280 | 270 | -              | 1614 | 1600           | M24x400             |         |
|              | 37,00                       | -      | 225S | S608                 | B160  | 403         | 821  | 170 | 730            | 1060           | 670            | 110            | 455            | 905            | 280 | 270 | -              | 1684 | 1600           | M24x400             |         |
|              | 45,00                       | -      | 225M | S608                 | B160  | 403         | 856  | 170 | 730            | 1060           | 670            | 110            | 455            | 905            | 280 | 270 | -              | 1684 | 1600           | M24x400             |         |
|              | 55,00                       | -      | 250M | S608                 | B160  | 403         | 946  | 170 | 730            | 1060           | 670            | 110            | 455            | 905            | 280 | 270 | -              | 1784 | 1600           | M24x400             |         |
|              | 75,00                       | -      | 280S | S609A                | B180  | 403         | 1150 | 170 | 744            | 1200           | 696            | 110            | 455            | 905            | 280 | 300 | -              | 1854 | 1800           | M24x400             |         |
|              | 90,00                       | -      | 280M | S609A                | B180  | 403         | 1195 | 170 | 744            | 1200           | 696            | 110            | 455            | 905            | 280 | 300 | -              | 1854 | 1800           | M24x400             |         |
|              | 110,00                      | -      | 315S | 215X82X14            | B200  | 403         | 1479 | 170 | 820            | 1730           | 770            | 110            | 525            | 975            | 280 | 210 | 865            | 1996 | 2150           | M16x250             |         |
|              | 132,00                      | -      | 315M | 215X82X14            | B200  | 403         | 1559 | 170 | 820            | 1730           | 770            | 110            | 525            | 975            | 280 | 210 | 865            | 1996 | 2150           | M16x250             |         |
|              | 160,00                      | -      | 315L | 230X82X14            | B200  | 403         | 1715 | 170 | 820            | 1840           | 770            | 110            | 525            | 975            | 280 | 230 | 920            | 2156 | 2300           | M16x250             |         |
|              | 200,00                      | -      | 315L | 230X82X14            | B200  | 403         | 1855 | 170 | 820            | 1840           | 770            | 110            | 525            | 975            | 280 | 230 | 920            | 2156 | 2300           | M16x250             |         |
| 15032        | 7,50                        | -      | 132M | S606                 | B125  | 242         | 424  | 170 | 730            | 840            | 670            | 110            | 380            | 780            | 280 | 205 | -              | 1298 | 1250           | M24x400             |         |
|              | 11,00                       | -      | 160M | S607                 | B125  | 242         | 475  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230 | -              | 1432 | 1400           | M24x400             |         |
|              | 15,00                       | -      | 160L | S607                 | B125  | 242         | 489  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230 | -              | 1432 | 1400           | M24x400             |         |
|              | 18,50                       | -      | 180M | S607                 | B125  | 242         | 515  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230 | -              | 1514 | 1400           | M24x400             |         |
|              | 22,00                       | -      | 180L | S607                 | B125  | 242         | 530  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230 | -              | 1514 | 1400           | M24x400             |         |
|              | 30,00                       | -      | 200L | S608                 | B125  | 242         | 597  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270 | -              | 1564 | 1600           | M24x400             |         |
|              | 37,00                       | -      | 225S | S608                 | B140  | 242         | 658  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270 | -              | 1634 | 1600           | M24x400             |         |
|              | 45,00                       | -      | 225M | S608                 | B140  | 242         | 693  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270 | -              | 1634 | 1600           | M24x400             |         |
| 20032        | 15,00                       | -      | 160L | S607                 | B125  | 266         | 513  | 200 | 730            | 940            | 670            | 110            | 415            | 865            | 300 | 230 | -              | 1462 | 1400           | M24x400             |         |
|              | 18,50                       | -      | 180M | S607                 | B125  | 266         | 539  | 200 | 730            | 940            | 670            | 110            | 415            | 865            | 300 | 230 | -              | 1544 | 1400           | M24x400             |         |
|              | 22,00                       | -      | 180L | S607                 | B125  | 266         | 554  | 200 | 730            | 940            | 670            | 110            | 415            | 865            | 300 | 230 | -              | 1544 | 1400           | M24x400             |         |
|              | 30,00                       | -      | 200L | S608                 | B125  | 266         | 621  | 200 | 730            | 1060           | 670            | 110            | 415            | 865            | 300 | 270 | -              | 1594 | 1600           | M24x400             |         |
|              | 37,00                       | -      | 225S | S608                 | B140  | 266         | 682  | 200 | 730            | 1060           | 670            | 110            |                |                |     |     |                |      |                |                     |         |

## Foundation plan (for units with spacer type coupling)



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570B

| DBSA<br>Size | Motor      |            | Size | Base<br>plate<br>No. | Cplg. | Weight (kg) |      | a  | $b_2$ | $e_1$ | $e_2$ | $f_1$ | $h_3$ | $h_4$ | i | v   | $v_1$ | x   | w    | $w_1$ | Rag<br>bolt<br>size |
|--------------|------------|------------|------|----------------------|-------|-------------|------|----|-------|-------|-------|-------|-------|-------|---|-----|-------|-----|------|-------|---------------------|
|              | 1450<br>KW | 2900<br>KW |      |                      |       | pump        | unit |    |       |       |       |       |       |       |   |     |       |     |      |       |                     |
| 3216         | 0,25       | -          | 71   | S015                 | H80   | 42          | 81   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 885  | 920   | M12x150             |
|              | 0,37       | -          | 71   | S015                 | H80   | 42          | 82   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 885  | 920   | M12x150             |
|              | 0,55       | -          | 80   | S015                 | H80   | 42          | 85   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 919  | 920   | M12x150             |
|              | 0,75       | -          | 80   | S015                 | H80   | 42          | 86   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 919  | 920   | M12x150             |
|              | 1,10       | 1,50       | 90S  | S015                 | H80   | 42          | 89   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 976  | 920   | M12x150             |
|              | 1,50       | 2,20       | 90L  | S015                 | H80   | 42          | 92   | 80 | 361   | 600   | 325   | 60    | 182   | 342   | - | 160 | -     | 140 | 976  | 920   | M12x150             |
|              | -          | 3,00       | 100L | S017                 | H80   | 42          | 118  | 80 | 361   | 700   | 325   | 60    | 192   | 352   | - | 200 | -     | 140 | 1017 | 1100  | M12x150             |
|              | -          | 4,00       | 112M | S017                 | H80   | 42          | 127  | 80 | 361   | 700   | 325   | 60    | 192   | 352   | - | 200 | -     | 140 | 1038 | 1100  | M12x150             |
|              | -          | 5,50       | 132S | S344                 | H95   | 42          | 138  | 80 | 450   | 660   | 400   | 60    | 212   | 372   | - | 180 | -     | 140 | 1098 | 1020  | M20x400             |
|              | -          | 7,50       | 132S | S344                 | H95   | 42          | 143  | 80 | 450   | 660   | 400   | 60    | 212   | 372   | - | 180 | -     | 140 | 1098 | 1020  | M20x400             |
| 3220         | 0,55       | -          | 80   | S015                 | H80   | 44          | 86   | 80 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 914  | 920   | M12x150             |
|              | 0,75       | -          | 80   | S015                 | H80   | 44          | 87   | 80 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 914  | 920   | M12x150             |
|              | 1,10       | -          | 90S  | S015                 | H80   | 44          | 90   | 80 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 971  | 920   | M12x150             |
|              | 1,50       | -          | 90L  | S015                 | H80   | 44          | 93   | 80 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 971  | 920   | M12x150             |
|              | 2,20       | 3,00       | 100L | S017                 | H80   | 44          | 120  | 80 | 361   | 700   | 325   | 60    | 220   | 400   | - | 200 | -     | 140 | 1012 | 1100  | M12x150             |
|              | 3,00       | -          | 100L | S017                 | H80   | 44          | 123  | 80 | 361   | 700   | 325   | 60    | 220   | 400   | - | 200 | -     | 140 | 1012 | 1100  | M12x150             |
|              | -          | 4,00       | 112M | S017                 | H80   | 44          | 129  | 80 | 361   | 700   | 325   | 60    | 220   | 400   | - | 200 | -     | 140 | 1033 | 1100  | M12x150             |
|              | -          | 5,50       | 132S | S344                 | H95   | 44          | 150  | 80 | 450   | 660   | 400   | 60    | 240   | 420   | - | 180 | -     | 140 | 1093 | 1020  | M20x400             |
|              | -          | 7,50       | 132S | S344                 | H95   | 44          | 155  | 80 | 450   | 660   | 400   | 60    | 240   | 420   | - | 180 | -     | 140 | 1093 | 1020  | M20x400             |
|              | -          | 11,00      | 160M | S385                 | H95   | 44          | 212  | 80 | 490   | 740   | 440   | 60    | 240   | 420   | - | 200 | -     | 140 | 1228 | 1140  | M20x400             |
| 4016         | 0,55       | -          | 80   | S015                 | H80   | 47          | 88   | 90 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 909  | 920   | M12x150             |
|              | 0,75       | -          | 80   | S015                 | H80   | 47          | 89   | 90 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 909  | 920   | M12x150             |
|              | 1,10       | -          | 90S  | S015                 | H80   | 47          | 92   | 90 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 966  | 920   | M12x150             |
|              | 1,50       | -          | 90L  | S015                 | H80   | 47          | 95   | 90 | 361   | 600   | 325   | 60    | 210   | 390   | - | 160 | -     | 140 | 966  | 920   | M12x150             |
|              | 2,20       | 3,00       | 100L | S017                 | H80   | 47          | 128  | 90 | 361   | 700   | 325   | 60    | 220   | 400   | - | 200 | -     | 140 | 1007 | 1100  | M12x150             |
|              | -          | 4,00       | 112M | S017                 | H80   | 47          | 138  | 90 | 361   | 700   | 325   | 60    | 220   | 400   | - | 200 | -     | 140 | 1028 | 1100  | M12x150             |
|              | -          | 5,50       | 132S | S344                 | H95   | 47          | 160  | 90 | 450   | 660   | 400   | 60    | 240   | 420   | - | 180 | -     | 140 | 1088 | 1020  | M20x400             |
|              | -          | 7,50       | 132S | S344                 | H95   | 47          | 165  | 90 | 450   | 660   | 400   | 60    | 240   | 420   | - | 180 | -     | 140 | 1088 | 1020  | M20x400             |
|              | -          | 11,00      | 160M | S385                 | H95   | 47          | 215  | 90 | 490   | 740   | 440   | 60    | 240   | 420   | - | 200 | -     | 140 | 1223 | 1140  | M20x400             |
|              | -          | 15,00      | 160M | S385                 | H95   | 47          | 222  | 90 | 490   | 740   | 440   | 60    | 240   | 420   | - | 200 | -     | 140 | 1223 | 1140  | M20x400             |
| 4020         | 0,37       | -          | 71   | S015                 | H80   | 48          | 86   | 90 | 361   | 600   | 325   | 60    | 210   | 410   | - | 160 | -     | 140 | 880  | 920   | M12x150             |
|              | 0,55       | -          | 80   | S015                 | H80   | 48          | 89   | 90 | 361   | 600   | 325   | 60    | 210   | 410   | - | 160 | -     | 140 | 914  | 920   | M12x150             |
|              | 0,75       | -          | 80   | S015                 | H80   | 48          | 90   | 90 | 361   | 600   | 325   | 60    | 210   | 410   | - | 160 | -     | 140 | 914  | 920   | M12x150             |
|              | 1,10       | -          | 90S  | S015                 | H80   | 48          | 93   | 90 | 361   | 600   | 325   | 60    | 210   | 410   | - | 160 | -     | 140 | 971  | 920   | M12x150             |
|              | 1,50       | 2,20       | 90L  | S015                 | H80   | 48          | 96   | 90 | 361   | 600   | 325   | 60    | 210   | 410   | - | 160 | -     | 140 | 971  | 920   | M12x150             |
|              | 2,20       | 3,00       | 100L | S017                 | H80   | 48          | 129  | 90 | 361   | 700   | 325   | 60    | 220   | 420   | - | 200 | -     | 140 | 1012 | 1100  | M12x150             |
|              | 3,00       | -          | 100L | S017                 | H80   | 48          | 132  | 90 | 361   | 700   | 325   | 60    | 220   | 420   | - | 200 | -     | 140 | 1012 | 1100  | M12x150             |
|              | -          | 4,00       | 112M | S017                 | H80   | 48          | 139  | 90 | 361   | 700   | 325   | 60    | 220   | 420   | - | 200 | -     | 140 | 1033 | 1100  | M12x150             |
|              | -          | 5,50       | 132S | S344                 | H95   | 48          | 154  | 90 | 450   | 660   | 400   | 60    | 240   | 440   | - | 180 | -     | 140 | 1093 | 1020  | M20x400             |
|              | -          | 7,50       | 132S | S344                 | H95   | 48          | 159  | 90 | 450   | 660   | 400   | 60    | 240   | 440   | - | 180 | -     | 140 | 1093 | 1020  | M20x400             |
|              | -          | 11,00      | 160M | S385                 | H95   | 48          | 216  | 90 | 490   | 740   | 440   | 60    | 240   | 440   | - | 200 | -     | 140 | 1228 | 1140  | M20x400             |
|              | -          | 15,00      | 160M | S385                 | H95   | 48          | 223  | 90 | 490   | 740   | 440   | 60    | 240   | 440   | - | 200 | -     | 140 | 1228 | 1140  | M20x400             |
|              | -          | 18,50      | 160L | S385                 | H95   | 48          | 211  | 90 | 490   | 740   | 440   | 60    | 240   | 440   | - | 200 | -     | 140 | 1228 | 1140  | M20x400             |

| DBSA<br>Size | Motor<br>rpm |       | Size | Base<br>plate<br>No. | Cplg. | Weight (kg) |      |     |                |                |                |                |                |                |     |     |                |      |      |                | Rag<br>bolt<br>size |
|--------------|--------------|-------|------|----------------------|-------|-------------|------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|------|------|----------------|---------------------|
|              | 1450<br>KW   | 2900  |      |                      |       | pump        | unit | a   | b <sub>2</sub> | e <sub>1</sub> | e <sub>2</sub> | f <sub>1</sub> | h <sub>3</sub> | h <sub>4</sub> | i   | v   | v <sub>1</sub> | x    | w    | w <sub>1</sub> |                     |
| 5016         | 0,55         | -     | 80   | S303                 | H80   | 52          | 102  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 140  | 919  | 920            | M16x250             |
|              | 0,75         | -     | 80   | S303                 | H80   | 52          | 103  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 140  | 919  | 920            | M16x250             |
|              | 1,10         | -     | 90S  | S303                 | H80   | 52          | 105  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 140  | 976  | 920            | M16x250             |
|              | 1,50         | -     | 90L  | S303                 | H80   | 52          | 107  | 100 | 390            | 600            | 350            | 60             | 225            | 425            | 200 | 160 | -              | 140  | 976  | 920            | M16x250             |
|              | 2,20         | -     | 100L | S344                 | H80   | 52          | 137  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 140  | 1017 | 1020           | M20x400             |
|              | 3,00         | -     | 100L | S344                 | H80   | 52          | 140  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 140  | 1017 | 1020           | M20x400             |
|              | -            | 4,00  | 112M | S344                 | H80   | 52          | 147  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 140  | 1038 | 1020           | M20x400             |
|              | -            | 5,50  | 132S | S344                 | H95   | 52          | 160  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 140  | 1098 | 1020           | M20x400             |
|              | -            | 7,50  | 132S | S344                 | H95   | 52          | 175  | 100 | 450            | 660            | 400            | 60             | 240            | 440            | 200 | 180 | -              | 140  | 1098 | 1020           | M20x400             |
|              | -            | 11,00 | 160M | S385                 | H95   | 52          | 210  | 100 | 490            | 740            | 440            | 60             | 240            | 440            | 200 | 200 | -              | 140  | 1233 | 1140           | M20x400             |
|              | -            | 15,00 | 160M | S385                 | H95   | 52          | 219  | 100 | 490            | 740            | 440            | 60             | 240            | 440            | 200 | 200 | -              | 140  | 1233 | 1140           | M20x400             |
|              | -            | 18,50 | 160L | S385                 | H95   | 52          | 229  | 100 | 490            | 740            | 440            | 60             | 240            | 440            | 200 | 200 | -              | 140  | 1233 | 1140           | M20x400             |
| 5020         | 1,10         | -     | 90S  | S344                 | H95   | 69          | 134  | 112 | 450            | 660            | 400            | 60             | 260            | 460            | 200 | 180 | -              | 140  | 1083 | 1020           | M20x400             |
|              | 1,50         | -     | 90L  | S344                 | H95   | 69          | 137  | 112 | 450            | 660            | 400            | 60             | 260            | 460            | 200 | 180 | -              | 140  | 1083 | 1020           | M20x400             |
|              | 2,20         | -     | 100L | S385                 | H95   | 69          | 177  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 140  | 1124 | 1140           | M20x400             |
|              | 3,00         | -     | 100L | S385                 | H95   | 69          | 177  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 140  | 1124 | 1140           | M20x400             |
|              | 4,00         | 4,00  | 112M | S385                 | H95   | 69          | 188  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 140  | 1145 | 1140           | M20x400             |
|              | 5,50         | 5,50  | 132S | S385                 | H95   | 69          | 185  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 140  | 1206 | 1140           | M20x400             |
|              | -            | 7,50  | 132S | S385                 | H95   | 69          | 185  | 112 | 490            | 740            | 440            | 60             | 260            | 460            | 200 | 200 | -              | 140  | 1206 | 1140           | M20x400             |
|              | -            | 11,00 | 160M | S436                 | H95   | 69          | 246  | 112 | 540            | 840            | 490            | 60             | 260            | 460            | 200 | 215 | -              | 140  | 1340 | 1270           | M20x400             |
|              | -            | 15,00 | 160M | S436                 | H95   | 69          | 258  | 112 | 540            | 840            | 490            | 60             | 260            | 460            | 200 | 215 | -              | 140  | 1340 | 1270           | M20x400             |
|              | -            | 18,50 | 160L | S436                 | H95   | 69          | 268  | 112 | 540            | 840            | 490            | 60             | 260            | 460            | 200 | 215 | -              | 140  | 1340 | 1270           | M20x400             |
|              | -            | 22,00 | 180M | S436                 | H110  | 69          | 300  | 112 | 540            | 840            | 490            | 60             | 260            | 460            | 200 | 215 | -              | 140  | 1422 | 1270           | M20x400             |
|              | -            | 30,00 | 200L | S487                 | H125  | 69          | 392  | 112 | 610            | 940            | 550            | 60             | 300            | 500            | 200 | 240 | -              | 140  | 1472 | 1420           | M24x400             |
| 5026         | 2,20         | -     | 100L | S385                 | H95   | 89          | 183  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 140  | 1137 | 1140           | M20x400             |
|              | 3,00         | -     | 100L | S385                 | H95   | 89          | 196  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 140  | 1137 | 1140           | M20x400             |
|              | 4,00         | -     | 112M | S385                 | H95   | 89          | 205  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 140  | 1158 | 1140           | M20x400             |
|              | 5,50         | -     | 132S | S385                 | H95   | 89          | 216  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 140  | 1219 | 1140           | M20x400             |
|              | 7,50         | -     | 132M | S385                 | H95   | 89          | 223  | 125 | 490            | 740            | 440            | 75             | 280            | 530            | 200 | 200 | -              | 140  | 1219 | 1140           | M20x400             |
|              | -            | 11,00 | 160M | S436                 | H95   | 89          | 270  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 15,00 | 160M | S436                 | H95   | 89          | 279  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 18,50 | 160L | S436                 | H95   | 89          | 289  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 22,00 | 180M | S436                 | H110  | 89          | 320  | 125 | 540            | 840            | 490            | 75             | 280            | 530            | 200 | 215 | -              | 140  | 1435 | 1270           | M20x400             |
|              | -            | 30,00 | 200L | S487                 | H125  | 89          | 415  | 125 | 610            | 940            | 550            | 75             | 300            | 550            | 200 | 240 | -              | 140  | 1485 | 1420           | M24x400             |
|              | -            | 37,00 | 200L | S487                 | H125  | 89          | 435  | 125 | 610            | 940            | 550            | 75             | 300            | 550            | 200 | 240 | -              | 140  | 1485 | 1420           | M24x400             |
|              | -            | 45,00 | 225M | S487                 | H125  | 89          | 493  | 125 | 610            | 940            | 550            | 75             | 325            | 575            | 200 | 240 | -              | 140  | 1525 | 1420           | M24x400             |
| -            | 55,00        | 250M  | S608 | H140                 | 89    | 617         | 125  | 730 | 1060           | 670            | 75             | 350            | 600            | 200            | 270 | -   | 140            | 1655 | 1600 | M24x400        |                     |
| 5032         | 4,00         | -     | 112M | S435                 | H110  | 151         | 274  | 140 | 540            | 740            | 490            | 75             | 305            | 585            | 200 | 200 | -              | 140  | 1223 | 1140           | M20x400             |
|              | 5,50         | -     | 132S | S436                 | H110  | 151         | 291  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 140  | 1284 | 1270           | M20x400             |
|              | 7,50         | -     | 132M | S436                 | H110  | 151         | 298  | 140 | 540            | 840            | 490            | 75             | 305            | 585            | 200 | 215 | -              | 140  | 1284 | 1270           | M20x400             |
|              | 11,00        | -     | 160M | S487                 | H110  | 151         | 367  | 140 | 610            | 940            | 550            | 75             | 325            | 605            | 200 | 240 | -              | 140  | 1418 | 1420           | M24x400             |
|              | 15,00        | -     | 160L | S487                 | H110  | 151         | 381  | 140 | 610            | 940            | 550            | 75             | 325            | 605            | 200 | 240 | -              | 140  | 1418 | 1420           | M24x400             |
|              | 18,50        | -     | 180M | S487                 | H110  | 151         | 397  | 140 | 610            | 940            | 550            | 75             | 325            | 605            | 200 | 240 | -              | 140  | 1500 | 1420           | M24x400             |
|              | 22,00        | -     | 180L | S487                 | H125  | 151         | 424  | 140 | 610            | 940            | 550            | 75             | 325            | 605            | 200 | 240 | -              | 140  | 1500 | 1420           | M24x400             |
|              | 30,00        | -     | 200L | S487                 | H125  | 151         | 474  | 140 | 610            | 940            | 550            | 75             | 325            | 605            | 200 | 240 | -              | 140  | 1550 | 1420           | M24x400             |
| 6520         | 1,50         | -     | 90L  | S385                 | H95   | 78          | 165  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1096 | 1140           | M20x400             |
|              | 2,20         | -     | 100L | S385                 | H95   | 78          | 182  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1137 | 1140           | M20x400             |
|              | 3,00         | -     | 100L | S385                 | H95   | 78          | 185  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1137 | 1140           | M20x400             |
|              | 4,00         | -     | 112M | S385                 | H95   | 78          | 194  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1158 | 1140           | M20x400             |
|              | 5,50         | -     | 132S | S385                 | H95   | 78          | 205  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1219 | 1140           | M20x400             |
|              | 7,50         | -     | 132M | S385                 | H95   | 78          | 212  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1219 | 1140           | M20x400             |
|              | -            | 7,50  | 132S | S385                 | H95   | 78          | 208  | 125 | 490            | 740            | 440            | 75             | 260            | 485            | 200 | 200 | -              | 140  | 1219 | 1140           | M20x400             |
|              | -            | 11,00 | 160M | S436                 | H95   | 78          | 260  | 125 | 540            | 840            | 490            | 75             | 260            | 485            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 15,00 | 160M | S436                 | H95   | 78          | 269  | 125 | 540            | 840            | 490            | 75             | 260            | 485            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 18,50 | 160L | S436                 | H95   | 78          | 279  | 125 | 540            | 840            | 490            | 75             | 260            | 485            | 200 | 215 | -              | 140  | 1353 | 1270           | M20x400             |
|              | -            | 22,00 | 180M | S436                 | H110  | 78          | 310  | 125 | 540            | 840            | 490            | 75             | 260            | 485            | 200 | 215 | -              | 140  | 1435 | 1270           | M20x400             |
|              | -            | 30,00 | 200L | S487                 | H125  | 78          | 402  | 125 | 610            | 940            | 550            | 75             | 300            | 525            | 200 | 240 | -              | 140  | 1485 | 1420           | M24x400             |
| -            | 37,00        | 200L  | S487 | H125                 | 78    | 422         | 125  | 610 | 940            | 550            | 75             | 300            | 525            | 200            | 240 | -   | 140            | 1485 | 1420 | M24x400        |                     |
| -            | 45,00        | 225M  | S487 | H125</               |       |             |      |     |                |                |                |                |                |                |     |     |                |      |      |                |                     |

| DBSA<br>Size | Motor      |        |           | Base<br>plate<br>No. | Cplg. | Weight (kg) |      |     |                |                |                |                |                |                |     |      |                |      |       | Rag<br>bolt<br>size |                |
|--------------|------------|--------|-----------|----------------------|-------|-------------|------|-----|----------------|----------------|----------------|----------------|----------------|----------------|-----|------|----------------|------|-------|---------------------|----------------|
|              | 1450<br>KW | 1900   | Size      |                      |       | pump        | unit | a   | b <sub>2</sub> | e <sub>1</sub> | e <sub>2</sub> | f <sub>1</sub> | h <sub>3</sub> | h <sub>4</sub> | i   | v    | v <sub>1</sub> | x    | w     |                     | w <sub>1</sub> |
| 8040         | 11,00      | -      | 160M      | S538                 | H125  | 249         | 492  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1538  | 1620                | M24x400        |
|              | 15,00      | -      | 160L      | S538                 | H125  | 249         | 506  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1538  | 1620                | M24x400        |
|              | 18,50      | -      | 180M      | S538                 | H125  | 249         | 532  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1620  | 1620                | M24x400        |
|              | 22,00      | -      | 180L      | S538                 | H125  | 249         | 547  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 14620 | 1620                | M24x400        |
|              | 30,00      | -      | 200L      | S538                 | H125  | 249         | 597  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1670  | 1620                | M24x400        |
|              | 37,00      | -      | 225S      | S538                 | H140  | 249         | 665  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1740  | 1620                | M24x400        |
| 10026        | 45,00      | -      | 225M      | S538                 | H140  | 249         | 693  | 140 | 660            | 1060           | 600            | 90             | 380            | 735            | 250 | 280  | -              | 140  | 1740  | 1620                | M24x400        |
|              | 4,00       | -      | 112M      | S486                 | H110  | 127         | 268  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205  | -              | 140  | 1223  | 1250                | M24x400        |
|              | 5,50       | -      | 132S      | S486                 | H110  | 127         | 278  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205  | -              | 140  | 1284  | 1250                | M24x400        |
|              | 7,50       | -      | 132M      | S486                 | H110  | 127         | 285  | 140 | 610            | 840            | 550            | 90             | 325            | 605            | 250 | 205  | -              | 140  | 1284  | 1250                | M24x400        |
|              | 11,00      | -      | 160M      | S487                 | H110  | 127         | 344  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1418  | 1420                | M24x400        |
|              | 15,00      | -      | 160L      | S487                 | H110  | 127         | 357  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1418  | 1420                | M24x400        |
|              | 18,50      | -      | 180M      | S487                 | H110  | 127         | 384  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1500  | 1420                | M24x400        |
|              | 22,00      | -      | 180L      | S487                 | H125  | 127         | 402  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1500  | 1420                | M24x400        |
|              | -          | 30,00  | 200L      | S487                 | H125  | 127         | 452  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1550  | 1420                | M24x400        |
|              | -          | 37,00  | 200L      | S487                 | H125  | 127         | 472  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1550  | 1420                | M24x400        |
|              | -          | 45,00  | 225M      | S487                 | H125  | 127         | 532  | 140 | 610            | 940            | 550            | 90             | 325            | 605            | 250 | 240  | -              | 140  | 1590  | 1420                | M24x400        |
|              | -          | 55,00  | 250M      | S608                 | H140  | 127         | 661  | 140 | 730            | 1060           | 670            | 90             | 350            | 630            | 250 | 270  | -              | 140  | 1720  | 1600                | M24x400        |
|              | -          | 75,00  | 280S      | S609A                | H160  | 127         | 730  | 140 | 744            | 1200           | 696            | 90             | 380            | 660            | 250 | 300  | -              | 140  | 1790  | 1800                | M24x400        |
|              | -          | 90,00  | 280M      | S609A                | H160  | 127         | 770  | 140 | 744            | 1200           | 696            | 90             | 380            | 660            | 250 | 300  | -              | 140  | 1790  | 1800                | M24x400        |
|              | -          | 110,00 | 315S      | S609A                | H160  | 127         | 1060 | 140 | 744            | 1200           | 696            | 90             | 415            | 695            | 250 | 300  | -              | 140  | 1902  | 1800                | M24x400        |
| 10032        | 7,50       | -      | 132M      | S486                 | H110  | 158         | 316  | 140 | 610            | 840            | 550            | 90             | 350            | 665            | 250 | 205  | -              | 140  | 1284  | 1250                | M24x400        |
|              | 11,00      | -      | 160M      | S487                 | H110  | 158         | 374  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240  | -              | 140  | 1418  | 1420                | M24x400        |
|              | 15,00      | -      | 160L      | S487                 | H110  | 158         | 388  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240  | -              | 140  | 1418  | 1420                | M24x400        |
|              | 18,50      | -      | 180M      | S487                 | H110  | 158         | 414  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240  | -              | 140  | 1500  | 1420                | M24x400        |
|              | 22,00      | -      | 180L      | S487                 | H125  | 158         | 432  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240  | -              | 140  | 1500  | 1420                | M24x400        |
|              | 30,00      | -      | 200L      | S487                 | H125  | 158         | 484  | 140 | 610            | 940            | 550            | 90             | 350            | 665            | 250 | 240  | -              | 140  | 1550  | 1420                | M24x400        |
|              | 37,00      | -      | 225S      | S538                 | H140  | 158         | 567  | 140 | 660            | 1060           | 600            | 90             | 350            | 665            | 250 | 280  | -              | 140  | 1620  | 1620                | M24x400        |
| 12540        | 18,50      | -      | 180M      | S608                 | H125  | 268         | 562  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270  | -              | 180  | 1690  | 1600                | M24x400        |
|              | 22,00      | -      | 180L      | S608                 | H125  | 268         | 567  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270  | -              | 180  | 1690  | 1600                | M24x400        |
|              | 30,00      | -      | 200L      | S608                 | H125  | 268         | 627  | 170 | 730            | 1060           | 670            | 110            | 415            | 815            | 280 | 270  | -              | 180  | 1740  | 1600                | M24x400        |
|              | 37,00      | -      | 225S      | S609                 | H140  | 268         | 706  | 170 | 730            | 1200           | 670            | 110            | 415            | 815            | 280 | 310  | -              | 180  | 1810  | 1820                | M24x400        |
|              | 45,00      | -      | 225M      | S609                 | H140  | 268         | 741  | 170 | 730            | 1200           | 670            | 110            | 415            | 815            | 280 | 310  | -              | 180  | 1810  | 1820                | M24x400        |
|              | 55,00      | -      | 250M      | S609                 | H160  | 268         | 833  | 170 | 730            | 1200           | 670            | 110            | 415            | 815            | 280 | 310  | -              | 180  | 1910  | 1820                | M24x400        |
|              | 75,00      | -      | 280S      | 215X75X14            | H180  | 268         | 1122 | 170 | 750            | 1730           | 700            | 110            | 485            | 885            | 280 | 210  | 865            | 180  | 1980  | 2150                | M16x250        |
|              | 90,00      | -      | 280M      | 215X75X14            | H180  | 268         | 1172 | 170 | 750            | 1730           | 700            | 110            | 485            | 885            | 280 | 210  | 865            | 180  | 1980  | 2150                | M16x250        |
|              | 30,00      | -      | 200L      | S609                 | H160  | 403         | 789  | 170 | 730            | 1200           | 670            | 110            | 455            | 905            | 280 | 310  | -              | 180  | 1790  | 1820                | M24x400        |
| 37,00        | -          | 225S   | S609      | H160                 | 403   | 848         | 170  | 730 | 1200           | 670            | 110            | 455            | 905            | 280            | 310 | -    | 180            | 1860 | 1820  | M24x400             |                |
| 45,00        | -          | 225M   | S609      | H160                 | 403   | 883         | 170  | 730 | 1200           | 670            | 110            | 455            | 905            | 280            | 310 | -    | 180            | 1860 | 1820  | M24x400             |                |
| 55,00        | -          | 250M   | S609      | H160                 | 403   | 973         | 170  | 730 | 1200           | 670            | 110            | 455            | 905            | 280            | 310 | -    | 180            | 1960 | 1820  | M24x400             |                |
| 75,00        | -          | 280S   | 220X75X14 | H180                 | 403   | 1263        | 170  | 750 | 1740           | 700            | 110            | 525            | 975            | 280            | 230 | 870  | 180            | 2030 | 2200  | M16x250             |                |
| 90,00        | -          | 280M   | 220X75X14 | H180                 | 403   | 1308        | 170  | 750 | 1740           | 700            | 110            | 525            | 975            | 280            | 230 | 870  | 180            | 2030 | 2200  | M16x250             |                |
| 110,00       | -          | 315S   | 235X82X14 | H200                 | 403   | 1513        | 170  | 820 | 1890           | 770            | 110            | 525            | 975            | 280            | 230 | 945  | 180            | 2172 | 2350  | M16x250             |                |
| 132,00       | -          | 315M   | 235X82X14 | H200                 | 403   | 1593        | 170  | 820 | 1890           | 770            | 110            | 525            | 975            | 280            | 230 | 945  | 180            | 2172 | 2350  | M16x250             |                |
| 160,00       | -          | 315L   | 250X82X14 | H200                 | 403   | 1750        | 170  | 820 | 2000           | 770            | 110            | 525            | 975            | 280            | 250 | 1000 | 180            | 2332 | 2500  | M16x250             |                |
| 200,00       | -          | 315L   | 250X82X14 | H200                 | 403   | 1890        | 170  | 820 | 2000           | 770            | 110            | 525            | 975            | 280            | 250 | 1000 | 180            | 2332 | 2500  | M16x250             |                |
| 15032        | 7,50       | -      | 132M      | S607                 | H125  | 242         | 442  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230  | -              | 180  | 1474  | 1400                | M24x400        |
|              | 11,00      | -      | 160M      | S608                 | H125  | 242         | 497  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270  | -              | 180  | 1608  | 1600                | M24x400        |
|              | 15,00      | -      | 160L      | S608                 | H125  | 242         | 511  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270  | -              | 180  | 1608  | 1600                | M24x400        |
|              | 18,50      | -      | 180M      | S608                 | H125  | 242         | 537  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270  | -              | 180  | 1690  | 1600                | M24x400        |
|              | 22,00      | -      | 180L      | S608                 | H125  | 242         | 552  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270  | -              | 180  | 1690  | 1600                | M24x400        |
|              | 30,00      | -      | 200L      | S608                 | H125  | 242         | 602  | 170 | 730            | 1060           | 670            | 110            | 380            | 780            | 280 | 270  | -              | 180  | 1740  | 1600                | M24x400        |
|              | 37,00      | -      | 225S      | S609                 | H140  | 242         | 682  | 170 | 730            | 1200           | 670            | 110            | 380            | 780            | 280 | 310  | -              | 180  | 1810  | 1820                | M24x400        |
|              | 45,00      | -      | 225M      | S609                 | H140  | 242         | 717  | 170 | 730            | 1200           | 670            | 110            | 380            | 780            | 280 | 310  | -              | 180  | 1810  | 1820                | M24x400        |
|              | 7,50       | -      | 132M      | S607                 | H125  | 242         | 442  | 170 | 730            | 940            | 670            | 110            | 380            | 780            | 280 | 230  | -              | 180  | 1474  | 1400                | M24x400        |
| 20032        | 15,00      | -      | 160L      | S608                 | H125  | 266         | 535  | 200 | 730            | 1060           | 670            | 110            | 415            | 865            | 300 | 270  | -              | 180  | 1638  | 1600                | M24x400        |
|              | 18,50      | -      |           |                      |       |             |      |     |                |                |                |                |                |                |     |      |                |      |       |                     |                |

## Product identification

| Series + sizes | Impeller type                                                                                                                                                                             | Hydraulic                                                       | Bearing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Shaft sealing                                   | Material                                                                                                                                 | Casing design                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                | D triple channel impeller<br>Z double channel impeller<br>F free-flow impeller                                                                                                            | A                                                               | B: Pump end: one cylindrical roller bearing to DIN 5412<br>Drive end: one deep groove ball bearing to DIN 625 grease lubrication<br>C: Pump end: one cylindrical roller bearing to DIN 5412<br>Drive end: one deep groove ball bearing to DIN 625 oil lubrication<br>S: Pump end: one cylindrical roller bearing to DIN 5412<br>Drive end: two angular contact ball bearings in O-arrangement. grease lubrication<br>T: Pump end: one cylindrical roller bearing to DIN 5412<br>Drive end: two angular contact ball bearings in O-arrangement. oil lubrication | 051*<br>052<br>071<br>BKS<br>BKW                | 0B main parts of cast iron<br>0E main part of cast iron, but impeller, wear plate of stainless steel<br>4B main parts of stainless steel | B with wear plate<br>C without wear plate |
| DBSA           | 03216<br>03220<br>04016<br>04020<br>05016<br>05020<br>05026<br>05032<br>06520<br>08026<br>08032<br>08040<br>10026<br>10032<br>12540<br>12550<br>15032<br>20032<br>20040<br>20050<br>30040 | F<br>D/F<br>Z/F<br>D/F<br>Z/F<br>Z<br>Z/F<br>D/F<br>D<br>Z<br>D | B, C<br>S, T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Alternativ<br>051<br>052<br>071**<br>BKS<br>BKW | Alternativ<br>0B<br>0E<br>4B                                                                                                             | C<br>B                                    |

\* see page 2 under shaft sealing

\*\* not valid for sizes 3216 and 3220

If we are informed of the motor type being selected, the coupling can be supplied already drilled on motor side and we can supply the coupling guard and the shims for equalizing out the centre height.

