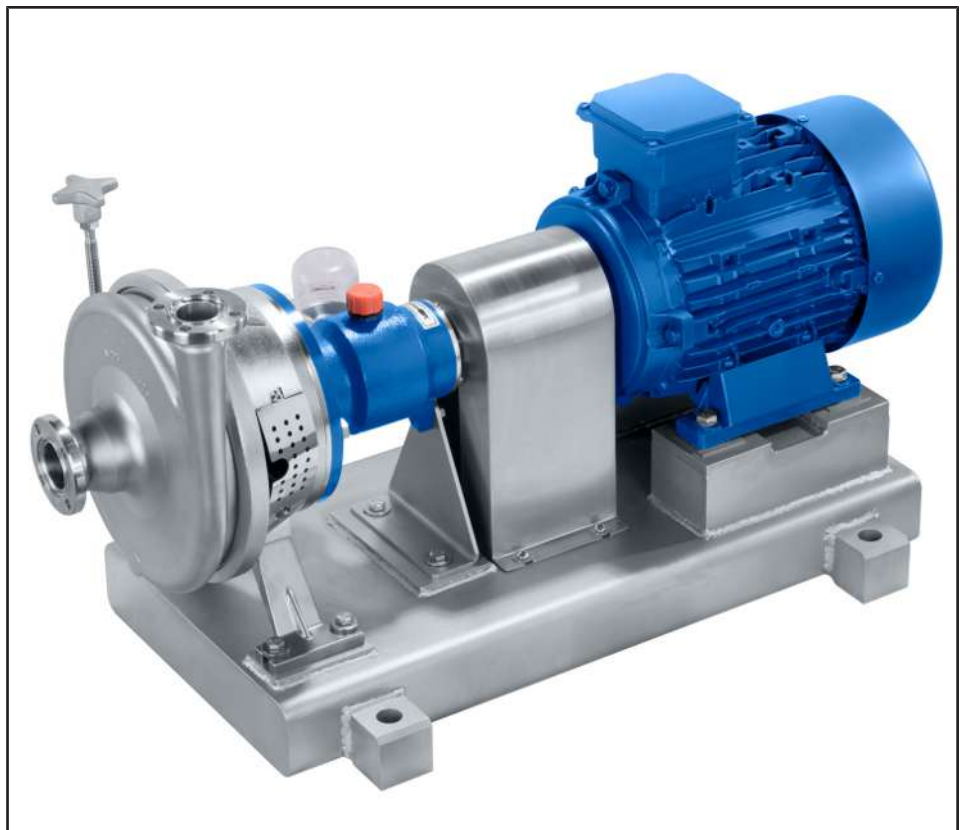


Hygienic Pump

**Vitacast**

**Type Series Booklet**



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Type Series Booklet Vitacast

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## Hygienic Pump

### Process Pump

## Vitacast



### Main applications

- Food industry / beverage industry
- Pharmaceutical industry
- Chemical industry

### Fluids handled

- Fluids not chemically or mechanically aggressive to the materials

### Operating data

Table 1: Operating properties

| Characteristic     |          | Value                |       |
|--------------------|----------|----------------------|-------|
|                    |          | 50 Hz                | 60 Hz |
| Flow rate          | Q [m³/h] | ≤ 540                | ≤ 650 |
| Head               | H [m]    | ≤ 105                |       |
| Operating pressure | p [bar]  | ≤ 10 <sup>1)</sup>   |       |
| Fluid temperature  | T [°C]   | ≥ -20                |       |
|                    |          | ≤ +140 <sup>1)</sup> |       |
| Connection sizes   | DN       | 32 - 200             |       |

### Design details

#### Design

- Standard design with materials to Regulation (EC) No. 1935/2004
- Design to ATEX

#### Design

- Hygienic centrifugal pump
- Single-stage
- Long-coupled design
- Non-self-priming
- Wetted parts made of stainless steel 1.4404/1.4409 (AISI 316L/CF3M)

#### Pump casing

- Volute casing

#### Impeller type

- Open multi-vane impeller

#### Bearings

- Oil-lubricated deep groove ball bearing

#### Shaft seal

- Single mechanical seal to EN 12756
  - Seal type T<sup>2)</sup>: pump-end seal with non-encapsulated spring surrounded by fluid handled, uni-directional
  - Seal type H<sup>3)</sup>: pump-end seal with encapsulated spring, polished surface, bi-directional
  - Seal type Y: external seal
- Double mechanical seal to EN 12756
  - Seal type Q: back-to-back arrangement (pressurised barrier fluid)

#### Drive

- Efficiency class IE3 to IEC 60034-30

#### Standard design:

- KSB surface-cooled IEC three-phase current squirrel-cage motor
- Rated voltage (50 Hz) 220-240 V / 380-420 V ≤ 2.20 kW
- Rated voltage (50 Hz) 380-420 V / 660 - 725 V ≥ 3.00 kW
- Rated voltage (60 Hz) 440-480 V ≤ 2.60 kW
- Rated voltage (60 Hz) 440-480 V ≥ 3.60 kW
- Type of construction IM V1 ≤ 4.00 kW
- Type of construction IM V15 ≥ 5.50 kW
- Enclosure IP55
- Duty type: continuous duty S1
- Thermal class F with temperature sensor, 3 PTC thermistors

#### Explosion-proof design:

- KSB surface-cooled IEC three-phase current squirrel-cage motor
- Rated voltage (50 Hz) 220 - 240 V / 380 - 420 V ≤ 1.85 kW
- Rated voltage (50 Hz) 380 - 420 V / 660 - 725 V ≥ 2.50 kW
- Type of construction IM V1 ≤ 3.30 kW
- Type of construction IM V15 ≥ 4.60 kW
- Enclosure IP55 or IP54

<sup>1</sup> Higher values on request for individual sizes

<sup>2</sup> Hygienic design

<sup>3</sup> Sterile design

- Duty type: continuous duty S1
- Type of protection EEx eb II
- Temperature class T3

- PumpDrive
- PumpMeter

### Automation

Automation options:

### Connections

- Axial suction nozzle
- Tangential discharge nozzle, adjustable through 360°

Further information (⇒ Page 9)

### Designation

**Table 2:** Designation example

| Position                      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |    |    |    |
|-------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------|----|----|----|----|----|
| 1                             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29             | 30 | 31 | 32 | 33 | 34 |
| V                             | A |   | I | 0 | 4 | 0 | - | 0 | 3  | 2  | -  | 1  | 4  | 5  |    | 0  | 4  | 0  | 2  | G  | B  |    | T  | 8  | 1  | A  | E  | C              | C  | S  | X  | O  | A  |
| See name plate and data sheet |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | See data sheet |    |    |    |    |    |

**Table 3:** Designation key

| Position | Code                                                                  | Description                                                                        |
|----------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 1-4      | Pump type                                                             |                                                                                    |
|          | VA                                                                    | Vitacast                                                                           |
|          | VAI                                                                   | Vitacast Inducer                                                                   |
| 5-16     | Size, e.g.                                                            |                                                                                    |
|          | 040                                                                   | Nominal suction nozzle diameter [mm]                                               |
|          | 032                                                                   | Nominal discharge nozzle diameter [mm]                                             |
|          | 145                                                                   | Impeller diameter [mm]                                                             |
| 17-19    | Motor rating P <sub>N</sub> [kW]                                      |                                                                                    |
|          | 007                                                                   | 0,70                                                                               |
|          | ...                                                                   | ...                                                                                |
|          | 550                                                                   | 55,00                                                                              |
| 20       | Number of motor poles                                                 |                                                                                    |
| 21       | Scope of supply                                                       |                                                                                    |
|          | G                                                                     | Baseplate                                                                          |
| 22-23    | Shaft seal type                                                       |                                                                                    |
|          | B                                                                     | Single mechanical seal, internal, dead-end arrangement, without flushing           |
|          | BQ                                                                    | Single mechanical seal, internal, dead-end arrangement, external flushing (quench) |
|          | DB                                                                    | Double mechanical seal in back-to-back arrangement                                 |
|          | I                                                                     | Single mechanical seal, internal, dead-end arrangement, internal circulation       |
|          | J                                                                     | Single mechanical seal, external, without flushing                                 |
| 24-26    | Seal code, single mechanical seal, internal                           |                                                                                    |
|          | T00                                                                   | GCEGG                                                                              |
|          | T18                                                                   | U3U3VGG                                                                            |
|          | T19                                                                   | U3U3EGG                                                                            |
|          | T64                                                                   | U3Q1EGG                                                                            |
|          | T66                                                                   | Q1Q1M3GG                                                                           |
|          | T68                                                                   | U3Q1VGG                                                                            |
|          | T69                                                                   | BQ1M3GG                                                                            |
|          | T80                                                                   | BQ1VGG                                                                             |
|          | T81                                                                   | Q1Q1VGG                                                                            |
|          | T82                                                                   | BQ1EGG                                                                             |
|          | T83                                                                   | Q1Q1EGG                                                                            |
|          | T84                                                                   | Q1U3EGG                                                                            |
|          | T85                                                                   | Q1U3VGG                                                                            |
|          | Seal code, single mechanical seal, internal, with encapsulated spring |                                                                                    |
|          | H0D                                                                   | GCVGG                                                                              |
|          | H1                                                                    | Q1CEGG                                                                             |
|          | H1D                                                                   | Q1CVGG                                                                             |
|          | H2                                                                    | Q1U3EGG                                                                            |

| Position | Code                                                          | Description                                         |
|----------|---------------------------------------------------------------|-----------------------------------------------------|
| 24-26    | H2D                                                           | Q1U3VGG                                             |
|          | H3                                                            | Q1Q1EGG                                             |
|          | H3D                                                           | Q1Q1VGG                                             |
|          | H4                                                            | U3U3EGG                                             |
|          | H5                                                            | Q2Q2EGG**                                           |
|          | H7                                                            | U2U2VGG*                                            |
|          | H8                                                            | U3U3VGG                                             |
|          | H9                                                            | BQ1VGG*                                             |
|          | HA                                                            | U3U3EGG                                             |
|          | Seal code, single mechanical seal, external                   |                                                     |
|          | Y06                                                           | U3U3EGG                                             |
|          | Y07                                                           | BU3EGG                                              |
|          | Seal code, double mechanical seal in back-to-back arrangement |                                                     |
|          | Q80                                                           | BQ1VGG                                              |
|          |                                                               | BGVGG                                               |
|          | Q81                                                           | Q1Q1VGG                                             |
|          |                                                               | BGVGG                                               |
|          | Q82                                                           | BQ1EGG                                              |
|          |                                                               | BGEGG                                               |
|          | Q83                                                           | Q1Q1EGG                                             |
|          |                                                               | BGEGG                                               |
|          | Q84                                                           | Q1U3EGG                                             |
|          |                                                               | BGEGG                                               |
|          | Q85                                                           | Q1U3VGG                                             |
|          |                                                               | BGVGG                                               |
| 27       | Pipe connection                                               |                                                     |
|          | A                                                             | Flange APV                                          |
|          | B                                                             | Threaded connection DIN 11864-1A                    |
|          | C                                                             | Flange DIN 11864-2A                                 |
|          | D                                                             | Clamped connection DIN 11864-3A                     |
|          | E                                                             | Threaded connection DIN 11853                       |
|          | F                                                             | Threaded connection RJT                             |
|          | G                                                             | Flange Varivent                                     |
|          | I                                                             | Threaded connection ISO 2853 (IDF)                  |
|          | L                                                             | Flange EN 1092-1                                    |
|          | M                                                             | Threaded connection DIN 11851 (hygienic pipe union) |
|          | S                                                             | Threaded connection SMS                             |
|          | T                                                             | Clamped connection DIN 32676-A                      |
|          | U                                                             | Clamped connection DIN 32676-C (Tri-Clamp)          |
|          | V                                                             | Clamped connection ISO 2852                         |
|          | Z                                                             | Flange ANSI B16.5 Class 150                         |
| 28       | O-ring material (casing/impeller)                             |                                                     |
|          | E                                                             | EPDM                                                |
|          | K                                                             | Kalrez                                              |
|          | M                                                             | FEP (encapsulated)                                  |
|          | T                                                             | PTFE                                                |
|          | V                                                             | FPM                                                 |
| 29       | Pump casing material                                          |                                                     |
|          | C                                                             | Stainless steel 1.4409                              |
|          | D                                                             | Super duplex stainless steel 1.4469 / 1.4410        |
|          | X                                                             | Hastelloy C276 2.4819                               |
| 30       | Impeller material                                             |                                                     |
|          | C                                                             | Stainless steel 1.4409                              |
|          | D                                                             | Super duplex stainless steel 1.4469 / 1.4410        |
|          | X                                                             | Hastelloy C276 2.4819                               |
| 31       | Motor shroud                                                  |                                                     |
|          | O                                                             | Without shroud                                      |
|          | S                                                             | With shroud                                         |
| 32       | Design                                                        |                                                     |

| Position | Code              | Description                              |
|----------|-------------------|------------------------------------------|
| 32       | 4)                | Standard                                 |
|          | X                 | Non-standard (BT3D, BT3), including ATEX |
| 33       | Draining facility |                                          |
|          | D                 | Casing drain with plug                   |
|          | O                 | No drain                                 |
|          | P                 | Casing drain via piping                  |
|          | V                 | Casing drain via valve                   |
| 34       | Generation        |                                          |
|          | A                 | Vitacast                                 |

## Materials

**Table 4:** Selection table

| Part No. | Description                            | Material variant     |
|----------|----------------------------------------|----------------------|
| 102      | Volute casing <sup>5)</sup>            | 1.4409 (AISI CF3M)   |
| 163      | Discharge cover <sup>5)</sup>          | 1.4409 (AISI CF3M)   |
| 230      | Impeller <sup>5)</sup>                 | 1.4409 (AISI CF3M)   |
| 922      | Impeller nut <sup>5)</sup>             | 1.4404 (AISI 316L)   |
| 236      | Inducer <sup>5)</sup>                  | 1.4409 (AISI CF3M)   |
| 211      | Pump shaft <sup>5)</sup>               | 1.4404 (AISI 316L)   |
| 341      | Drive lantern                          | 1.4308 (AISI CF8)    |
| 890      | Baseplate                              | 1.4301 (AISI 304)    |
| 412      | O-rings, moulded gaskets <sup>5)</sup> | EPDM, FPM, FEP, FFKM |

Optional materials for wetted components:

- 1.4469/1.4410
- Hastelloy C276

 All materials that will be in contact with the fluid handled conform with Regulation (EC) No 1935/2004 and Commission Regulation (EC) No. 2023/2006.

## Coating and preservation

- Coating and preservation to KSB standard

## Product benefits

- Easy to clean with very little dead volume and excellent flushing capability
- Service-friendly design, easy and fast to dismantle
- High surface quality thanks to special polishing techniques
- Corrosion-resistant design with high-quality stainless steel 1.4301
- Operating costs reduced by trimming the nominal impeller diameter to match the specified duty point
- A large variety of materials, sealing elements and connections are available to optimally match the pump to its application.
- Highly suitable for CIP/SIP routines
- Excellent hydraulic efficiency and low NPSH values

## Product information

### Product information as per Regulation No. 1907/2006 (REACH)

For information as per European chemicals regulation (EC) No. 1907/2006 (REACH) see <https://www.ksb.com/en-global/company/corporate-responsibility/reach>.

## Certifications

**Table 5:** Overview

| Label                                                                               | Effective in: | Comment                                       |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------|
|    | All countries | Certified quality management to ISO 9001      |
|   | All countries | European Hygienic Engineering & Design Group  |
|  | All countries | Elastomers certified to FDA, 3A, USP Class VI |

## Acceptance tests and warranty

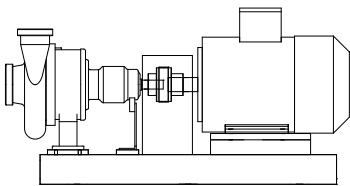
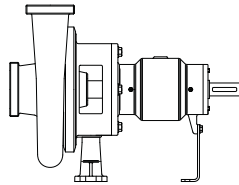
- Materials testing
  - Material test report 2.2 on request
  - Material test report 3.1 on request
- Final inspection
  - Inspection certificate 3.1 to EN 10204 on request
- Hydraulic test against surcharge
  - To ISO 9906/2B or ISO 9906/3B
  - NPSH test
- Other tests  
Other tests (e.g. vibrations, strength, noise characteristics) on request.
- Warranties  
Warranties are given within the scope of the valid terms and conditions of sale and delivery.

<sup>4</sup> Blank

<sup>5</sup> Wetted component

## Installation types

**Table 6:** Installation type

| Installation type | Illustration                                                                      | Description                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| G                 |  | Horizontal installation, long-coupled pump set <ul style="list-style-type: none"> <li>▪ Drive rating up to 90 kW</li> <li>▪ Axial suction nozzle, radial discharge nozzle, adjustable through 360°</li> </ul> |
| Fig. 0            |  | Horizontal installation, pump without motor                                                                                                                                                                   |

## Technical data

**Table 7:** Technical data

| Size        | Inducer | Shaft unit | Free passage |         | Impeller diameter |      | Speed limit |
|-------------|---------|------------|--------------|---------|-------------------|------|-------------|
|             |         |            | 4 poles      | 2 poles | Min.              | Max. |             |
|             |         |            | [mm]         | [mm]    | [mm]              | [mm] | [rpm]       |
| 040-032-145 | ✗       | 2          | 5            | 5       | 115               | 145  | 500 - 3600  |
| 040-032-175 | ✗       | 2          | 4            | 4       | 145               | 175  | 500 - 3600  |
| 040-032-210 | ✗       | 2          | 4            | 4       | 165               | 210  | 500 - 3600  |
| 050-032-260 | ✗       | 2          | 3,5          | 3,5     | 210               | 260  | 500 - 3000  |
| 050-040-145 | ✗       | 2          | 6            | 11      | 115               | 145  | 500 - 3600  |
| 050-040-175 | ✗       | 2          | 6,5          | 11      | 145               | 175  | 500 - 3600  |
| 050-040-210 | ✗       | 2          | 6            | 6       | 165               | 210  | 500 - 3600  |
| 050-040-260 | ✗       | 3          | 5            | 5       | 210               | 260  | 500 - 3000  |
| 065-050-145 | ✗       | 2          | 10           | 16      | 115               | 145  | 500 - 3600  |
| 065-050-175 | ✗       | 2          | 8            | 13      | 145               | 175  | 500 - 3600  |
| 065-050-210 | ✗       | 2          | 8            | 8       | 165               | 210  | 500 - 3600  |
| 065-050-260 | ✗       | 3          | 6            | 6       | 210               | 260  | 500 - 3000  |
| 080-065-145 | ✗       | 2          | 18           | 23      | 115               | 145  | 500 - 3600  |
| 080-065-175 | ✗       | 2          | 16           | 16      | 145               | 175  | 500 - 3600  |
| 080-065-210 | ✗       | 3          | 12           | 12      | 165               | 210  | 500 - 3600  |
| 080-065-260 | ✗       | 3          | 10,5         | 10,5    | 210               | 260  | 500 - 3000  |
| 100-080-175 | ✗       | 3          | 22           | 22      | 150               | 177  | 500 - 3600  |
| 100-080-210 | ✗       | 3          | 18           | 15      | 165               | 210  | 500 - 3600  |
| 100-080-260 | ✗       | 3          | 14           | 14      | 200               | 260  | 500 - 3000  |
| 100-080-310 | ✗       | 3          | 23           | -       | 265               | 310  | 500 - 1800  |
| 125-100-210 | ✗       | 3          | 15           | 28      | 165               | 210  | 500 - 3600  |
| 125-100-260 | ✗       | 3          | 25           | 25      | 210               | 260  | 500 - 3000  |
| 125-100-310 | ✗       | 3          | 30           | -       | 265               | 310  | 500 - 1800  |
| 150-125-260 | -       | 3          | 32           | -       | 210               | 260  | 500 - 3000  |
| 150-125-350 | -       | 4          | 18           | -       | 285               | 350  | 500-1800    |
| 200-150-350 | -       | 4          | 24           | -       | 285               | 350  | 500-1800    |

## Overview of product features / selection tables

### Types of connection available

The following types of connection are available for selection:

- Threaded connection to DIN 11851
- Threaded connection to DIN 11853
- Threaded connection to DIN 11864-1-GS-A
- Threaded connection to SMS standard
- Threaded connection to IDF standard
- Threaded connection to RJT standard
- Tri-Clamp/Tri-Clover fitting
- Clamped connection to DIN 11864-3-NKS-A
- Clamped connection to DIN 32676-A
- Clamped connection to ISO 2852
- Flange to EN 1092-1
- Flange to DIN 11864-2-NF-A
- Flange to ASA ASME 150
- APV flange
- Varivent flange
- Other connection types on request

### Overview of fluids handled

**Table 8:** Table of fluids handled, including seal code and operating mode

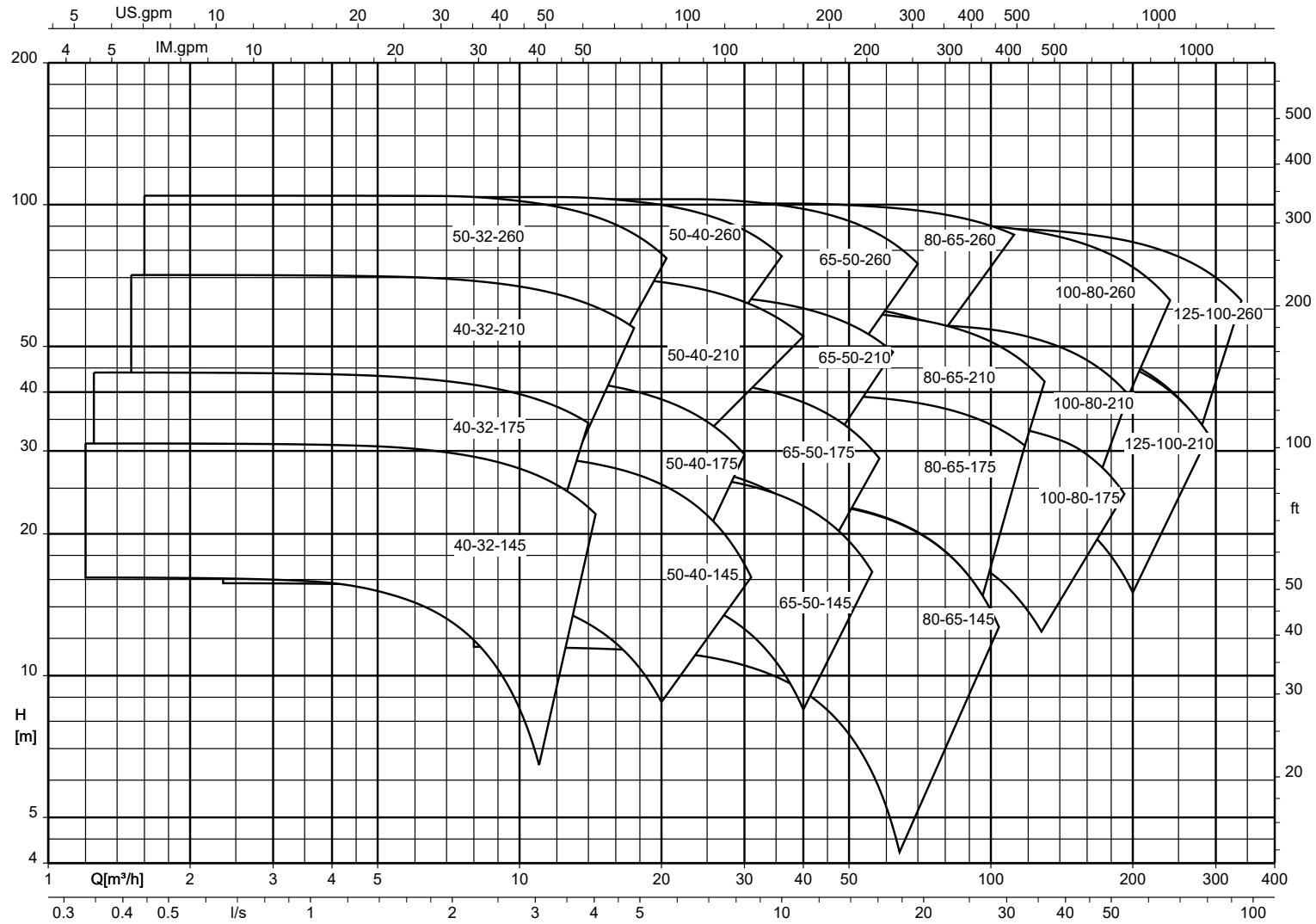
| Fluid handled                          | T    |      | Seal code |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     | Operating mode /<br>flushing system | Comment                                        |                                                                      |
|----------------------------------------|------|------|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|-----|----|----|-----|-------------------------------------|------------------------------------------------|----------------------------------------------------------------------|
|                                        | Min. | Max. | T19       | T64 | T66 | T80 | T81 | T82 | T83 | T84 | H0 | H1 | H1D | H2 | H3 | H3D | H4 | H5 | Q82 |                                     |                                                | Q83                                                                  |
|                                        | [°C] |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| Alcohol, butanol                       |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| Butanol                                | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | I                                              | -                                                                    |
| Isobutanol                             | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | I                                              | -                                                                    |
| Alcohol, ethanol                       |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| _(6)                                   | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | I                                              | -                                                                    |
| Alcohol, methanol                      |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| -                                      | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | ✗                                   | -                                              | I, BQ, DB<br>Provide water quench for indoor application (toxicity). |
| Alcohol, propanol                      |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| 1-propanol                             | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | I                                              | -                                                                    |
| 2-propanol                             | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | I                                              |                                                                      |
| Beer                                   |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| Beer mash                              | 0    | 100  | -         | ✗   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | ✗  | -   | -  | -  | -   | ✗                                   | BQ, DB<br>Use suitable water as liquid quench. |                                                                      |
| Beer wort                              | 0    | 100  | -         | ✗   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | ✗  | -   | -  | -  | -   | ✗                                   | BQ, DB<br>Use suitable water as liquid quench. |                                                                      |
| Brewer's yeast                         | 0    | 30   | -         | ✗   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | ✗  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Hops                                   | 0    | 100  | -         | ✗   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | ✗  | -   | -  | -  | -   | ✗                                   | BQ, DB<br>Use suitable water as liquid quench. |                                                                      |
| Trub (brewery)                         | 0    | 90   | -         | ✗   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | ✗  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Cleaning-in-place (CIP)                | 0    | 85   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           | After cleaning, flush with hot water of 90 °C max.                   |
| Beverages, alcoholic                   |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| Spirits (40 % ethanol)                 | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           | Brandy 40 %                                                          |
| Beer                                   | 0    | 70   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           | Beer after primary fermentation                                      |
| Fruit liqueur                          | 0    | 60   | -         | ✗   | -   | -   | -   | -   | -   | -   | -  |    | -   | -  | -  | -   | ✗  | -  | -   | ✗                                   | BQ, DB<br>Use suitable water as liquid quench. |                                                                      |
| Must                                   | 0    | 60   | -         | ✗   | -   | -   | -   | -   | -   | -   | -  |    | -   | -  | -  | -   | ✗  | -  | -   | -                                   | B, I                                           |                                                                      |
| Pernod                                 | 0    | 40   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Grappa                                 | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Whiskey                                | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Wine (cider)                           | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Liqueur with egg yolks                 | 0    | 50   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Herbal liqueur, alcohol content ≤ 50 % | 0    | 60   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Sparkling wine                         | 0    | 50   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Sap (juice) with 24 % ethanol          | 0    | 50   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           |                                                                      |
| Beverages, non-alcoholic               |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |                                                |                                                                      |
| Coke                                   | 0    | 20   | -         | -   | -   | -   | -   | ✗   | -   | -   | -  | ✗  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I                                           | ≤ 12°Bx                                                              |

<sup>6)</sup> No details specified

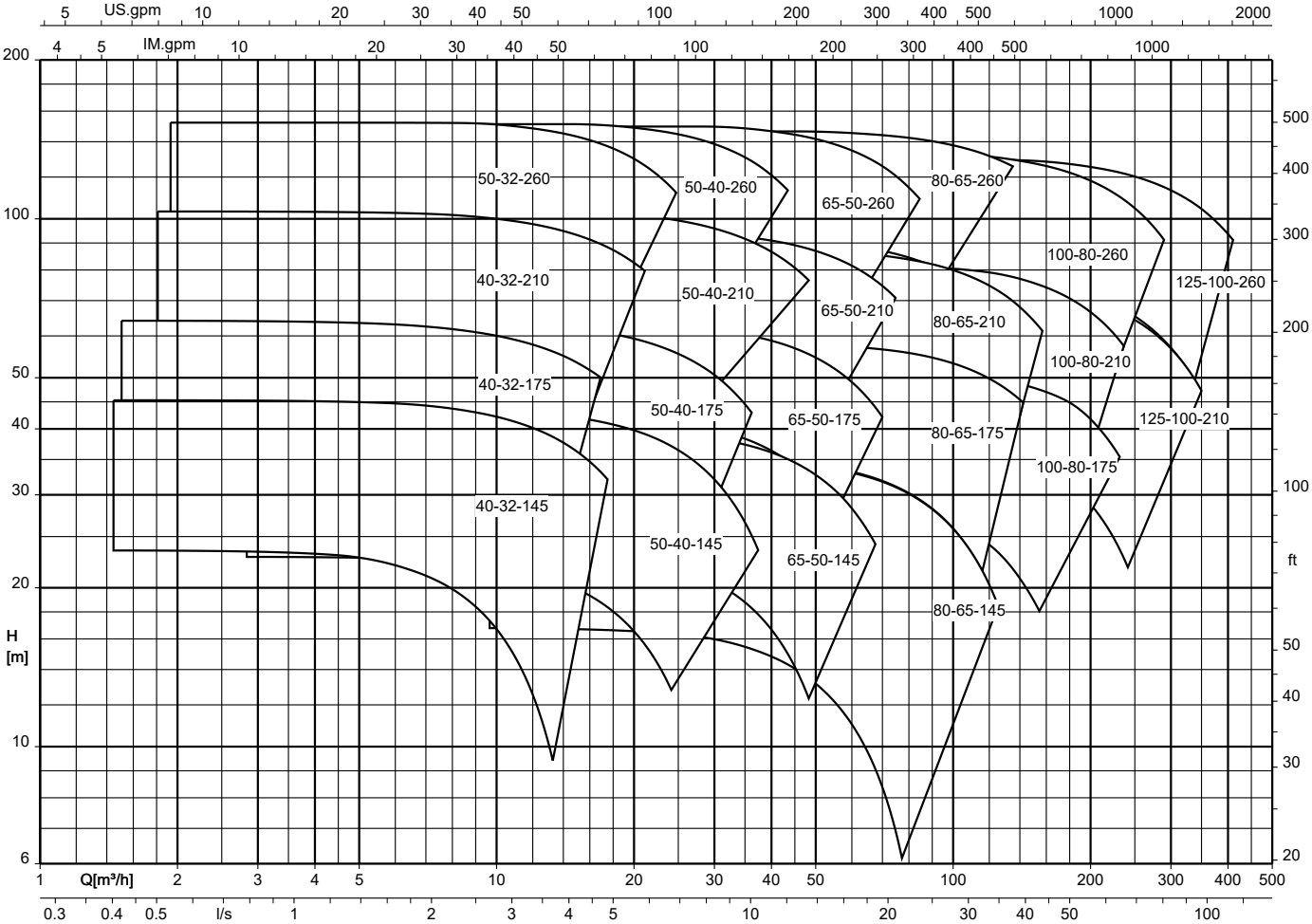
| Fluid handled                                         | T    |      | Seal code |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     | Operating mode /<br>flushing system | Comment   |                                                                                                                                                                                                                                   |
|-------------------------------------------------------|------|------|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|-----|----|----|-----|-------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                       | Min. | Max. | T19       | T64 | T66 | T80 | T81 | T82 | T83 | T84 | H0 | H1 | H1D | H2 | H3 | H3D | H4 | H5 | Q82 |                                     |           | Q83                                                                                                                                                                                                                               |
|                                                       | [°C] |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Coke concentrate                                      | 0    | 20   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | X  | -  | -   | -                                   | B, I      | ≤ 65°Bx                                                                                                                                                                                                                           |
| Coffee                                                | 0    | 60   | -         | -   | -   | -   | X   | -   | -   | -   | -  | -  | -   | -  | -  | X   | -  | -  | -   | -                                   | B, I      | Coffee extract                                                                                                                                                                                                                    |
| Lemonade                                              | 0    | 90   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | X  | -  | -   | -                                   | B, I      | ≤ 65°Bx                                                                                                                                                                                                                           |
| Caffeine crystals (liquid)                            | 20   | 100  | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | X  | -  | -   | -                                   | B, I      | 5 % caffeine max.                                                                                                                                                                                                                 |
| Glucose                                               |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Unsaturated aqueous solution                          | 0    | 50   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | X  | -  | -   | X                                   | B, BQ, DB | Observe the melting point or crystallisation point. If required, heat up the casing cover prior to commissioning.<br>Use suitable hot water as quench liquid.<br>Concentration < 65°Bx single mechanical seal w/o flushing is ok. |
| Glycerine                                             |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Concentration ≤ 40 %                                  | 0    | 100  | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Glycol (pure)                                         |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Diethylene glycol                                     | 0    | 60   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | X                                   | B, I, D B | Provide water quench for indoor application (toxicity).                                                                                                                                                                           |
| Ethylene glycol                                       | 0    | 60   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | X                                   | B, I, B Q | Glycol<br>Provide water quench for indoor application (toxicity).                                                                                                                                                                 |
| Urea (carbamide)                                      |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Concentration ≤ 35 %                                  | 0    | 80   | -         | -   | X   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | BQ, DB    | Use suitable hot water as cooling liquid.                                                                                                                                                                                         |
| Foodstuff (liquid)                                    |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Egg (liquid)                                          | 0    | 20   | -         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | X  | -   | -  | -  | -   | X                                   | BQ, DB    | If containing sugar, use Q72 (U2U2EGG).                                                                                                                                                                                           |
| Foodstuff (aqueous)                                   |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Malt                                                  | 0    | 100  | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | X  | -  | -   | X                                   | BQ, DB    | Use suitable water as liquid quench.                                                                                                                                                                                              |
| Dairy products                                        |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Chocolate milk                                        | 0    | 90   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Sweetened condensed milk                              | 0    | 90   | -         | -   | -   | -   | X   | -   | -   | -   | -  | -  | -   | -  | -  | X   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Skimmed milk (fresh, sour)                            | 0    | 90   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Milk                                                  | 0    | 90   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Cream (sweet, sour)                                   | 0    | 90   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Sweet permeate (milk)                                 | 0    | 90   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Concentrated milk (15 % bone dry)                     | 0    | 50   | -         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | BQ, DB    | Use suitable water as liquid quench.                                                                                                                                                                                              |
| Sodium hydroxide                                      |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Concentration 0 to 50 %                               | 0    | 80   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I      | Observe the melting point or crystallisation point. If required, heat up the casing cover prior to commissioning.<br><br>Use suitable hot water as continuous quench liquid.                                                      |
| Fruit pulp                                            |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Apple purée                                           | 0    | 20   | -         | -   | -   | -   | -   | -   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Apricot purée with 40 % water                         | 0    | 20   | -         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | X  | -   | -  | -  | -   | X                                   | BQ, DB    | Use suitable water as liquid quench.                                                                                                                                                                                              |
| Oil, vegetable oil                                    |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |           |                                                                                                                                                                                                                                   |
| Anise oil                                             | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Cotton seed oil                                       | 5    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Peanut oil                                            | 5    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Lavender oil                                          | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Linseed oil                                           | 0    | 60   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Linseed oil with ≤ 3 % H <sub>2</sub> SO <sub>4</sub> | 0    | 20   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Corn oil                                              | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Olive oil                                             | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Palm oil                                              | 45   | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      | Melting point = +27 °C to +42 °C.<br>T85 (Q1U2VGG) recommended for temperatures above 70 °C.                                                                                                                                      |
| Rapeseed oil                                          | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |
| Castor oil                                            | 26   | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      | Info: viscosity = 700 mm²/s at 25 °C                                                                                                                                                                                              |
| Soybean oil                                           | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | B, I      |                                                                                                                                                                                                                                   |

| Fluid handled                     | T    |      | Seal code |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     | Operating mode /<br>flushing system | Comment |            |                                                                                                                                     |
|-----------------------------------|------|------|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|-----|----|----|-----|-------------------------------------|---------|------------|-------------------------------------------------------------------------------------------------------------------------------------|
|                                   | Min. | Max. | T19       | T64 | T66 | T80 | T81 | T82 | T83 | T84 | H0 | H1 | H1D | H2 | H3 | H3D | H4 | H5 | Q82 |                                     |         | Q83        |                                                                                                                                     |
|                                   | [°C] |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Sunflower oil                     | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Non-heatable pumps can be used if the melting point < ambient temperature. Check the melting point and viscosity with the customer. |
| Edible oil                        | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Walnut oil                        | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Juice (fruit and sugar solutions) |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Fruit juice                       | 0    | 60   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Apple juice                                                                                                                         |
| Vegetable juice                   | 0    | 100  | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Orange juice                      | 0    | 60   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Pressed sap                       | 0    | 50   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Sugar solutions                   | 0    | 100  | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Sugar solution > 65 Bx (for single seal)                                                                                            |
|                                   | 0    | 95   | -         | X   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | X       | DB, B<br>Q | Use suitable water as barrier fluid, concentration > 65°Bx.                                                                         |
| Acid, malic acid                  |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Unsaturated aqueous solution      | 0    | 60   | -         | -   | -   | -   | -   | -   | X   | -   | -  | -  | -   | X  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Solubility = 65 % at 40 °C and 72.8 % at 60 °C                                                                                      |
| Acid, citric acid                 |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration 1 to 50 %           | 0    | 80   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Acid, acetic acid                 |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration 1 to 25 %           | 0    | 60   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Vinegar                                                                                                                             |
| Concentration ≤ 30%               | 0    | 20   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | X                                   | -       | BQ, DB     | Use suitable water as liquid quench.                                                                                                |
| Concentration ≤ 50%               | 0    | 20   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | X                                   | -       | BQ, DB     | Use suitable water as liquid quench.                                                                                                |
| Acid                              |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Unsaturated aqueous solution      | 0    | 100  | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Acid, tannic acid                 |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration 1 to 50%            | 0    | 100  | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Acid, lactic acid                 |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration 1 to 50%            | 0    | 60   | -         | -   | -   | X   | -   | -   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Acid, oxalic acid                 |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration ≤ 5%                | 0    | 20   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | X                                   | -       | BQ, DB     | Use suitable water as liquid quench.                                                                                                |
| Acid, tartaric acid               |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Concentration ≤ 8%                | 0    | 60   | -         | -   | -   | -   | -   | X   | -   | -   | -  | -  | X   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Concentration ≤ 50%               | 0    | 60   | -         | -   | -   | -   | -   | X   | -   | -   | -  | X  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Sorbitol (solution)               |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Unsaturated aqueous solution      | 0    | 80   | X         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | X       | DB, B<br>Q | Mechanical seal for solutions up to 40 % max.<br>Use suitable water as liquid quench.                                               |
| Water, desalinated                |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| De-ionised water                  | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       | Water quality:<br>conductivity > 10 µS/cm < 250 µS/cm,<br>SiO <sub>2</sub> content < 10 mg/l,<br>solids content 5 mg/l max.         |
| Ultrapure water                   | 0    | 110  | -         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | X  | -   | -                                   | -       | B, I       | Use suitable water as quench liquid for temperature > 90 °C.                                                                        |
| Water for injection               | 0    | 110  | -         | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   | -  | -  | -   | -  | X  | -   | -                                   | -       | B, I       | Use suitable water as quench liquid for temperature > 90 °C.                                                                        |
| Drinking water                    |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Mash, schnapps                    | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Ice water (brewery)               | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Tap water                         | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| -                                 | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |
| Hot water (brewery)               | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | I          |                                                                                                                                     |
| Water                             |      |      |           |     |     |     |     |     |     |     |    |    |     |    |    |     |    |    |     |                                     |         |            |                                                                                                                                     |
| Pure water                        | 0    | 110  | -         | -   | -   | -   | -   | X   | -   | -   | X  | -  | -   | -  | -  | -   | -  | -  | -   | -                                   | -       | B, I       |                                                                                                                                     |

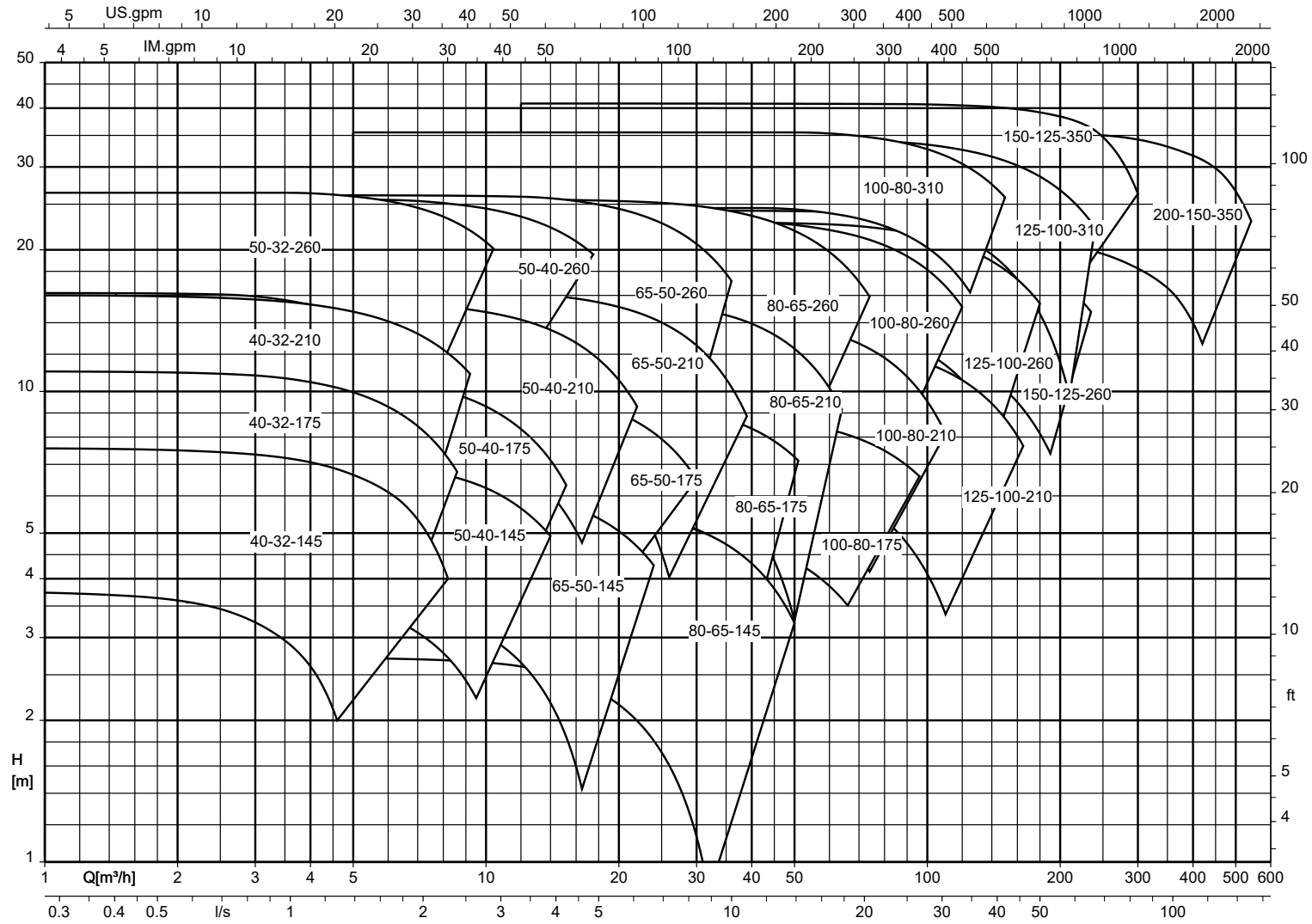
Selection charts  
Vitacast, n = 2900 rpm



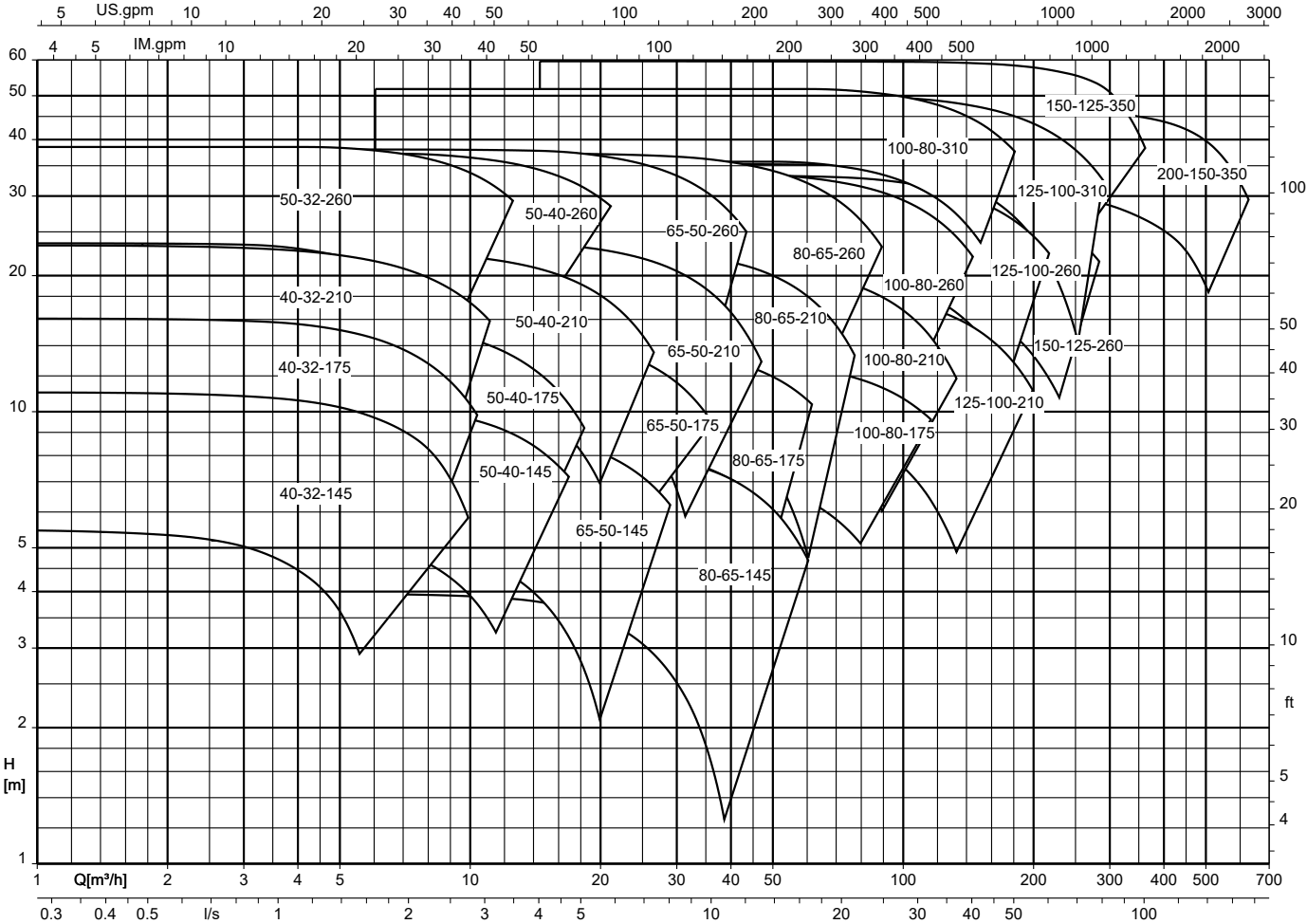
Vitacast, n = 3500 rpm



Vitacast, n = 1450 rpm



Vitacast, n = 1750 rpm



## Characteristic curves

### Vitacast, Vitacast Bloc (fixed speed version)

#### Related documents

Table 9: Information/documents

| Document                                                     | Reference number |
|--------------------------------------------------------------|------------------|
| Characteristic curves booklet (50 Hz)<br>Fixed speed version | 1969.450         |

## Dimensions

## Pump dimensions

### Version with coupling

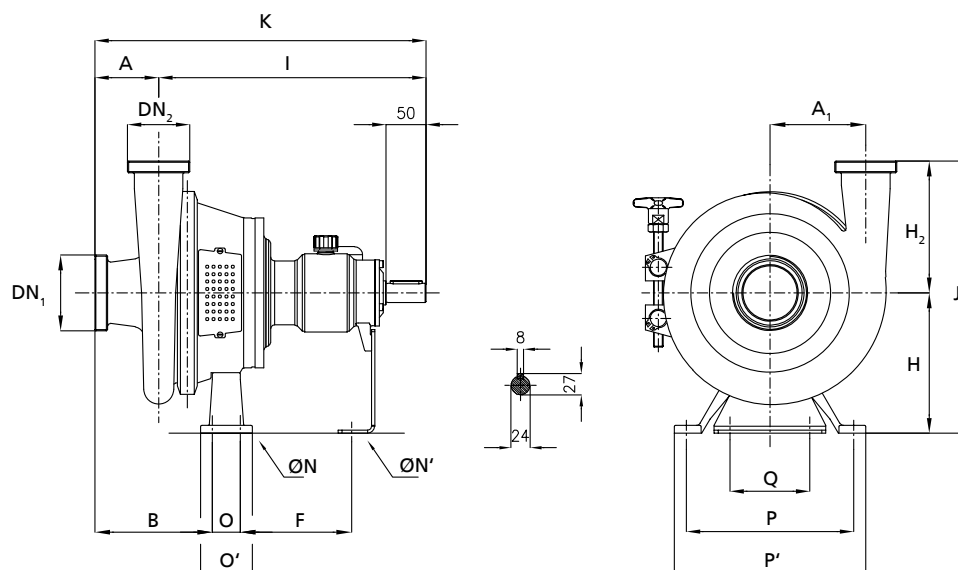


Fig. 1: Vitacast 040-032-145 to 080-065-175 without motor

| Vitacast    | DN <sub>1</sub> | DN <sub>2</sub> | A  | B   | F   | G   | H   | I   | K   | J   | L   | N  | N' | O  | O' | P   | P'  | Q   |
|-------------|-----------------|-----------------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|
| 040-032-145 | 40              | 32              | 80 | 135 | 128 | 85  | 176 | 335 | 415 | 321 | 145 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 040-032-175 | 40              | 32              | 80 | 136 | 127 | 95  | 176 | 334 | 414 | 326 | 150 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 040-032-210 | 40              | 32              | 80 | 136 | 127 | 110 | 176 | 335 | 415 | 341 | 165 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 050-040-145 | 50              | 40              | 80 | 136 | 128 | 90  | 176 | 335 | 415 | 309 | 133 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 050-040-175 | 50              | 40              | 80 | 138 | 126 | 95  | 176 | 337 | 417 | 326 | 150 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 050-040-210 | 50              | 40              | 80 | 138 | 126 | 115 | 176 | 337 | 417 | 341 | 165 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 065-050-145 | 65              | 50              | 80 | 138 | 127 | 95  | 176 | 337 | 417 | 321 | 145 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 065-050-175 | 65              | 50              | 80 | 139 | 126 | 100 | 176 | 337 | 417 | 325 | 150 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 065-050-210 | 65              | 50              | 80 | 138 | 126 | 120 | 176 | 337 | 417 | 341 | 165 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 080-065-145 | 80              | 65              | 79 | 141 | 128 | 112 | 176 | 341 | 420 | 321 | 145 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |
| 080-065-175 | 80              | 65              | 80 | 142 | 127 | 120 | 176 | 340 | 420 | 326 | 150 | 11 | 10 | 60 | 85 | 208 | 240 | 100 |

### Version with coupling

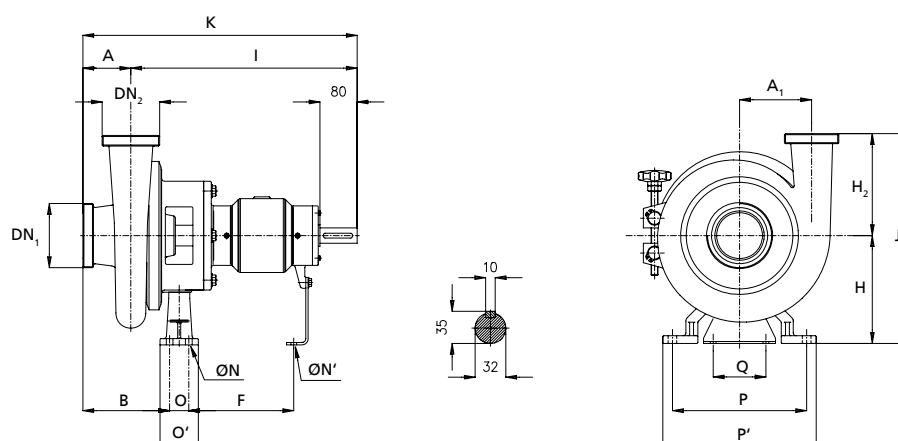
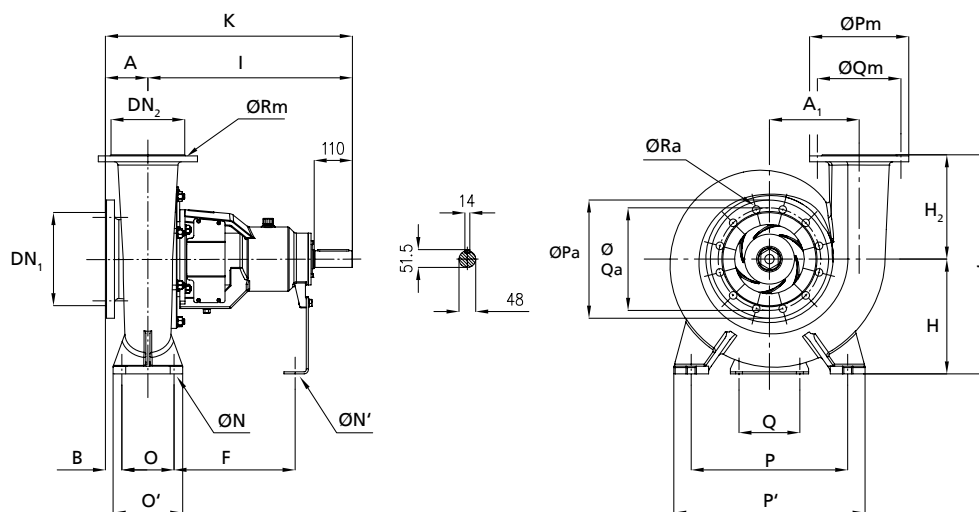


Fig. 2: Vitacast 080-065-210 to 150-125-260 without motor

| Vitacast    | DN <sub>1</sub> | DN <sub>2</sub> | A   | B   | F   | G   | H   | I   | K   | J   | L   | N  | N' | O  | O'  | P   | P'  | Q   |
|-------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|
| 080-065-210 | 80              | 65              | 90  | 149 | 202 | 135 | 225 | 474 | 564 | 390 | 165 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 080-065-260 | 80              | 65              | 100 | 158 | 202 | 155 | 225 | 474 | 573 | 430 | 205 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 100-080-175 | 100             | 80              | 100 | 166 | 202 | 139 | 217 | 479 | 579 | 381 | 164 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 100-080-210 | 100             | 80              | 100 | 161 | 202 | 145 | 225 | 476 | 576 | 389 | 164 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 100-080-260 | 100             | 80              | 100 | 161 | 202 | 165 | 225 | 476 | 576 | 424 | 209 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |

| Vitacast    | DN <sub>1</sub> | DN <sub>2</sub> | A   | B   | F   | G   | H   | I   | K   | J   | L   | N  | N' | O  | O'  | P   | P'  | Q   |
|-------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|
| 125-100-210 | 125             | 100             | 111 | 178 | 202 | 161 | 225 | 483 | 593 | 439 | 214 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 125-100-260 | 125             | 100             | 115 | 178 | 202 | 186 | 225 | 478 | 593 | 441 | 216 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |
| 150-125-260 | 150             | 125             | 110 | 182 | 202 | 206 | 225 | 487 | 597 | 441 | 216 | 14 | 12 | 80 | 106 | 300 | 340 | 110 |

**Version with coupling**

**Fig. 3: Vitacast 150-125-350 and 200-150-350 without motor**

| Vitacast    | DN <sub>1</sub> | DN <sub>2</sub> | A   | B  | F   | G   | H   | I   | K   | J   | L   | N  | N' | O   | O'  | P   | P'  | Q   |
|-------------|-----------------|-----------------|-----|----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|
| 150-125-350 | 150             | 125             | 122 | 47 | 346 | 232 | 280 | 586 | 708 | 580 | 300 | 22 | 14 | 150 | 200 | 400 | 500 | 110 |
| 200-150-350 | 200             | 150             | 122 | 47 | 348 | 258 | 330 | 580 | 702 | 630 | 300 | 22 | 20 | 150 | 200 | 450 | 550 | 175 |

| Vitacast    | DN <sub>1</sub> | DN <sub>2</sub> | ØPm | ØPa | ØQm | ØQa | ØRa | ØRm | Number of holes a | Number of holes m |
|-------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|-------------------|-------------------|
| 150-125-350 | 150             | 125             | 250 | 285 | 210 | 240 | 22  | 18  | 8                 | 8                 |
| 200-150-350 | 200             | 150             | 285 | 340 | 240 | 295 | 22  | 22  | 12                | 8                 |

## Pump set dimensions

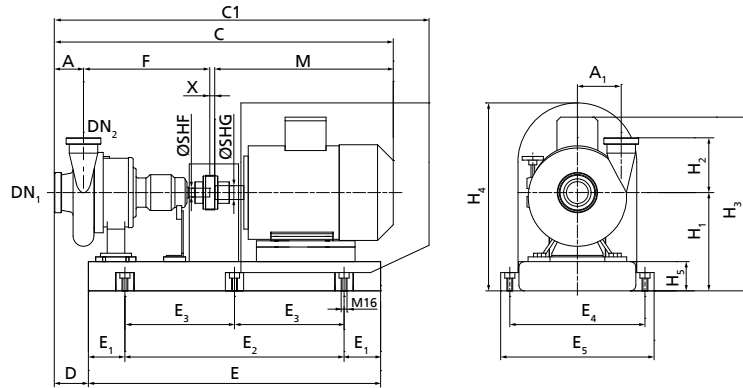


Fig. 4: Pump set on baseplate

Table 10: Dimensions of baseplate-mounted pump set, based on connection to DIN 11851 and Siemens 1LE 1 motor, 50 Hz

| Size        | Motor | p <sup>7)</sup> |         | A  | A <sup>8)</sup> | A <sub>1</sub> | C   | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E   | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|----|-----------------|----------------|-----|----------------|-------|-----------------|-------------------------------|-----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |    |                 |                |     |                |       |                 |                               |                 |     |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [mm]            |         |    |                 |                |     |                |       |                 |                               |                 |     |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| [kW]        |       |                 |         |    |                 |                |     |                |       |                 |                               |                 |     |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 040-032-145 | 80M   | 0,75            | 0,55    | 80 | 80              | 85             | 724 | 844            | 111,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 145            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 040-032-145 | 80M   | 1,1             | 0,75    | 80 | 80              | 85             | 724 | 844            | 111,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 145            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 040-032-145 | 90S   | 1,5             | 1,1     | 80 | 80              | 85             | 825 | 945            | 111,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 145            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 040-032-145 | 90L   | 2,2             | 1,5     | 80 | 80              | 85             | 825 | 945            | 111,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 145            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 040-032-145 | 100L  | 3               | 2,2     | 80 | 80              | 85             | 868 | 988            | 111,5 | 65              | 40                            | 32              | 650 | 80             | 490            | -              | 370            | 420            | 335 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 040-032-145 | 100L  | 3               | 3       | 80 | 80              | 85             | 868 | 988            | 111,5 | 65              | 40                            | 32              | 650 | 80             | 490            | -              | 370            | 420            | 335 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 040-032-145 | 112M  | 4               | 4       | 80 | 80              | 85             | 852 | 972            | 111,5 | 65              | 40                            | 32              | 650 | 80             | 490            | -              | 370            | 420            | 335 | 254            | 145            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 040-032-145 | 132S  | 5,5             | 5,5     | 80 | 80              | 85             | 903 | 1023           | 93    | 65              | 40                            | 32              | 800 | 100            | 600            | -              | 370            | 420            | 335 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 040-032-145 | 132S  | 7,5             | 5,5     | 80 | 80              | 85             | 903 | 1023           | 93    | 65              | 40                            | 32              | 800 | 100            | 600            | -              | 370            | 420            | 335 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 040-032-175 | 80M   | 0,75            | 0,55    | 80 | 85              | 95             | 724 | 844            | 112,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 38   | A0            | 1              |
| 040-032-175 | 80M   | 1,1             | 0,75    | 80 | 85              | 95             | 724 | 844            | 112,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 38   | A0            | 1              |
| 040-032-175 | 90S   | 1,5             | 1,1     | 80 | 85              | 95             | 825 | 945            | 112,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 040-032-175 | 90L   | 2,2             | 1,5     | 80 | 85              | 95             | 825 | 945            | 112,5 | 65              | 40                            | 32              | 620 | 80             | 460            | -              | 370            | 420            | 335 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 040-032-175 | 100L  | 3               | 2,2     | 80 | 85              | 95             | 868 | 988            | 112,5 | 65              | 40                            | 32              | 650 | 80             | 490            | -              | 370            | 420            | 335 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 040-032-175 | 100L  | 3               | 3       | 80 | 85              | 95             | 868 | 988            | 112,5 | 65              | 40                            | 32              | 650 | 80             | 490            | -              | 370            | 420            | 335 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |

<sup>7</sup> For 50 Hz<sup>8</sup> With inducer

| Size        | Motor | p <sup>7)</sup> |         | A  | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [mm]            |         |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 040-032-175 | 112M  | 4               | 4       | 80 | 85              | 95             | 852  | 972            | 112,5 | 65              | 40                            | 32              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 150            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 040-032-175 | 132S  | 5,5             | 5,5     | 80 | 85              | 95             | 903  | 1023           | 94    | 65              | 40                            | 32              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 040-032-175 | 132S  | 7,5             | 5,5     | 80 | 85              | 95             | 903  | 1023           | 94    | 65              | 40                            | 32              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 040-032-210 | 80M   | 0,75            | 0,55    | 80 | 85              | 110            | 724  | 844            | 112,5 | 65              | 40                            | 32              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 165            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 040-032-210 | 80M   | 1,1             | 0,75    | 80 | 85              | 110            | 724  | 844            | 112,5 | 65              | 40                            | 32              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 165            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 040-032-210 | 90L   | 2,2             | 1,5     | 80 | 85              | 110            | 825  | 945            | 112,5 | 65              | 40                            | 32              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 165            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 040-032-210 | 100L  | 3               | 2,2     | 80 | 85              | 110            | 868  | 988            | 112,5 | 65              | 40                            | 32              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 165            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 040-032-210 | 100L  | 3               | 3       | 80 | 85              | 110            | 868  | 988            | 112,5 | 65              | 40                            | 32              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 165            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 040-032-210 | 112M  | 4               | 4       | 80 | 85              | 110            | 852  | 972            | 112,5 | 65              | 40                            | 32              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 165            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 040-032-210 | 132S  | 5,5             | 5,5     | 80 | 85              | 110            | 903  | 1023           | 94    | 65              | 40                            | 32              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 040-032-210 | 132S  | 7,5             | 5,5     | 80 | 85              | 110            | 903  | 1023           | 94    | 65              | 40                            | 32              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 040-032-210 | 160M  | 11              | 11      | 80 | 85              | 110            | 1052 | 1172           | 95    | -               | 40                            | 32              | 900  | 120            | 660            | -              | 400            | 450            | 335 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 040-032-210 | 160M  | 15              | 11      | 80 | 85              | 110            | 1052 | 1172           | 95    | -               | 40                            | 32              | 900  | 120            | 660            | -              | 400            | 450            | 335 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 050-032-260 | 90S   | 1,5             | 1,1     | 90 | -               | 140            | 968  | 1088           | 115,5 | -               | 50                            | 32              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 478            | 528            | 80             | 387 | 23 | 32   | 24   | A1            | 6              |
| 050-032-260 | 90L   | 2,2             | 1,5     | 90 | -               | 140            | 968  | 1088           | 115,5 | -               | 50                            | 32              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 478            | 528            | 80             | 387 | 23 | 32   | 24   | A1            | 6              |
| 050-032-260 | 100L  | 3               | 2,2     | 90 | -               | 140            | 1011 | 1131           | 115,5 | -               | 50                            | 32              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 050-032-260 | 100L  | 3               | 3       | 90 | -               | 140            | 1011 | 1131           | 115,5 | -               | 50                            | 32              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 050-032-260 | 112M  | 4               | 4       | 90 | -               | 140            | 995  | 1115           | 115,5 | -               | 50                            | 32              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 535            | 585            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 050-032-260 | 132S  | 5,5             | 5,5     | 90 | -               | 140            | 1046 | 1166           | 115,5 | -               | 50                            | 32              | 900  | 120            | 660            | -              | 420            | 470            | 468 | 323            | 172            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 050-032-260 | 132S  | 7,5             | 5,5     | 90 | -               | 140            | 1046 | 1166           | 115,5 | -               | 50                            | 32              | 900  | 120            | 660            | -              | 420            | 470            | 468 | 323            | 172            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 050-032-260 | 160M  | 11              | 11      | 90 | -               | 140            | 1195 | 1315           | 115,5 | -               | 50                            | 32              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 050-032-260 | 160M  | 15              | 11      | 90 | -               | 140            | 1195 | 1315           | 115,5 | -               | 50                            | 32              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 050-032-260 | 160L  | 18,5            | 15      | 90 | -               | 140            | 1255 | 1375           | 115,5 | -               | 50                            | 32              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 664 | 33 | 32   | 42   | A2            | 7              |
| 050-040-145 | 80M   | 0,75            | 0,55    | 80 | -               | 90             | 724  | 844            | 112,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 133            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 050-040-145 | 80M   | 1,1             | 0,75    | 80 | -               | 90             | 724  | 844            | 112,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 133            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 050-040-145 | 90S   | 1,5             | 1,1     | 80 | -               | 90             | 825  | 945            | 112,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 133            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 050-040-145 | 90L   | 2,2             | 1,5     | 80 | -               | 90             | 825  | 945            | 112,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 335 | 254            | 133            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 050-040-145 | 100L  | 3               | 2,2     | 80 | -               | 90             | 868  | 988            | 112,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 133            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 050-040-145 | 100L  | 3               | 3       | 80 | -               | 90             | 868  | 988            | 112,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 133            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 050-040-145 | 112M  | 4               | 4       | 80 | -               | 90             | 852  | 972            | 112,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 335 | 254            | 133            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 050-040-145 | 132S  | 5,5             | 5,5     | 80 | -               | 90             | 903  | 1023           | 94    | -               | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 133            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 050-040-145 | 132S  | 7,5             | 5,5     | 80 | -               | 90             | 903  | 1023           | 94    | -               | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 335 | 269            | 133            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 050-040-175 | 80M   | 0,75            | 0,55    | 80 | -               | 95             | 726  | 846            | 114,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 28   | A0            | 1              |
| 050-040-175 | 80M   | 1,1             | 0,75    | 80 | -               | 95             | 726  | 846            | 114,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 28   | A0            | 1              |
| 050-040-175 | 90L   | 2,2             | 1,5     | 80 | -               | 95             | 827  | 947            | 114,5 | -               | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 050-040-175 | 100L  | 3               | 2,2     | 80 | -               | 95             | 870  | 990            | 114,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |

| Size        | Motor | p <sup>7)</sup> |         | A   | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|-----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [mm]            |         |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 050-040-175 | 100L  | 3               | 3       | 80  | -               | 95             | 870  | 990            | 114,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 050-040-175 | 112M  | 4               | 4       | 80  | -               | 95             | 854  | 974            | 114,5 | -               | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 050-040-175 | 132S  | 5,5             | 5,5     | 80  | -               | 95             | 905  | 1025           | 96    | -               | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 050-040-175 | 132S  | 7,5             | 5,5     | 80  | -               | 95             | 905  | 1025           | 96    | -               | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 050-040-175 | 160M  | 11              | 11      | 80  | -               | 95             | 1054 | 1174           | 97    | -               | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 050-040-175 | 160M  | 15              | 11      | 80  | -               | 95             | 1054 | 1174           | 97    | -               | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 050-040-175 | 160L  | 18,5            | 15      | 80  | -               | 95             | 1114 | 1234           | 97    | -               | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 664 | 33 | 24   | 38   | A2            | 4              |
| 050-040-210 | 80M   | 0,75            | 0,55    | 80  | 89              | 115            | 726  | 846            | 114,5 | 80              | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 050-040-210 | 80M   | 1,1             | 0,75    | 80  | 89              | 115            | 726  | 846            | 114,5 | 80              | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 050-040-210 | 90S   | 1,5             | 1,1     | 80  | 89              | 115            | 827  | 947            | 114,5 | 80              | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 050-040-210 | 90L   | 2,2             | 1,5     | 80  | 89              | 115            | 827  | 947            | 114,5 | 80              | 50                            | 40              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 050-040-210 | 100L  | 3               | 2,2     | 80  | 89              | 115            | 870  | 990            | 114,5 | 80              | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 050-040-210 | 100L  | 3               | 3       | 80  | 89              | 115            | 870  | 990            | 114,5 | 80              | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 050-040-210 | 112M  | 4               | 4       | 80  | 89              | 115            | 854  | 974            | 114,5 | 80              | 50                            | 40              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 050-040-210 | 132S  | 5,5             | 5,5     | 80  | 89              | 115            | 905  | 1025           | 96    | 80              | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 050-040-210 | 132S  | 7,5             | 5,5     | 80  | 89              | 115            | 905  | 1025           | 96    | 80              | 50                            | 40              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 050-040-210 | 160M  | 11              | 11      | 80  | 89              | 115            | 1054 | 1174           | 97    | 80              | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 050-040-210 | 160M  | 15              | 11      | 80  | 89              | 115            | 1054 | 1174           | 97    | 80              | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 050-040-210 | 160L  | 18,5            | 15      | 80  | 89              | 115            | 1114 | 1234           | 97    | 80              | 50                            | 40              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 664 | 33 | 24   | 38   | A2            | 4              |
| 050-040-260 | 90L   | 2,2             | 1,5     | 100 | -               | 145            | 978  | 1098           | 125,5 | -               | 50                            | 40              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 478            | 528            | 80             | 387 | 23 | 32   | 24   | A1            | 6              |
| 050-040-260 | 100L  | 3               | 2,2     | 100 | -               | 145            | 1021 | 1141           | 125,5 | -               | 50                            | 40              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 050-040-260 | 100L  | 3               | 3       | 100 | -               | 145            | 1021 | 1141           | 125,5 | -               | 50                            | 40              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 050-040-260 | 112M  | 4               | 4       | 100 | -               | 145            | 1005 | 1125           | 125,5 | -               | 50                            | 40              | 800  | 100            | 600            | -              | 420            | 470            | 468 | 323            | 172            | 507            | 557            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 050-040-260 | 132S  | 5,5             | 5,5     | 100 | -               | 145            | 1056 | 1176           | 125,5 | -               | 50                            | 40              | 900  | 120            | 660            | -              | 420            | 470            | 468 | 323            | 172            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 050-040-260 | 132S  | 7,5             | 5,5     | 100 | -               | 145            | 1056 | 1176           | 125,5 | -               | 50                            | 40              | 900  | 120            | 660            | -              | 420            | 470            | 468 | 323            | 172            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 050-040-260 | 160M  | 11              | 11      | 100 | -               | 145            | 1205 | 1325           | 125,5 | -               | 50                            | 40              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 050-040-260 | 160M  | 15              | 11      | 100 | -               | 145            | 1205 | 1325           | 125,5 | -               | 50                            | 40              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 050-040-260 | 160L  | 18,5            | 15      | 100 | -               | 145            | 1265 | 1385           | 125,5 | -               | 50                            | 40              | 1025 | 120            | 785            | -              | 420            | 470            | 468 | 323            | 172            | 578            | 658            | 80             | 664 | 33 | 32   | 42   | A2            | 7              |
| 050-040-260 | 180M  | 22              | 18,5    | 100 | -               | 145            | 1310 | 1430           | 126   | -               | 50                            | 40              | 1100 | 130            | 840            | -              | 450            | 500            | 468 | 343            | 172            | 617            | 697            | 100            | 698 | 44 | 32   | 48   | A3B           | 8              |
| 050-040-260 | 200L  | 30              | 30      | 100 | -               | 145            | 1333 | 1453           | 129   | -               | 50                            | 40              | 1100 | 130            | 840            | -              | 480            | 530            | 468 | 343            | 172            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 050-040-260 | 200L  | 37              | 30      | 100 | -               | 145            | 1333 | 1453           | 129   | -               | 50                            | 40              | 1100 | 130            | 840            | -              | 480            | 530            | 468 | 343            | 172            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 065-050-145 | 80M   | 0,75            | 0,55    | 80  | 85              | 95             | 726  | 846            | 114,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 145            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 065-050-145 | 80M   | 1,1             | 0,75    | 80  | 85              | 95             | 726  | 846            | 114,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 145            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 065-050-145 | 90L   | 2,2             | 1,5     | 80  | 85              | 95             | 827  | 947            | 114,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 145            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 065-050-145 | 100L  | 3               | 2,2     | 80  | 85              | 95             | 870  | 990            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 065-050-145 | 100L  | 3               | 3       | 80  | 85              | 95             | 870  | 990            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |

| Size        | Motor | p <sup>7)</sup> |         | A  | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [mm]            |         |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 065-050-145 | 112M  | 4               | 4       | 80 | 85              | 95             | 854  | 974            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 145            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 065-050-145 | 132S  | 5,5             | 5,5     | 80 | 85              | 95             | 905  | 1025           | 96    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-145 | 132S  | 7,5             | 5,5     | 80 | 85              | 95             | 905  | 1025           | 96    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-145 | 160M  | 11              | 11      | 80 | 85              | 95             | 1054 | 1174           | 97    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 145            | 524            | 604            | 80             | 604 | 33 | 24   | 42   | A2            | 4              |
| 065-050-145 | 160M  | 15              | 11      | 80 | 85              | 95             | 1054 | 1174           | 97    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 145            | 524            | 604            | 80             | 604 | 33 | 24   | 42   | A2            | 4              |
| 065-050-175 | 80M   | 0,75            | 0,55    | 80 | 85              | 100            | 726  | 846            | 115,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 065-050-175 | 80M   | 1,1             | 0,75    | 80 | 85              | 100            | 726  | 846            | 115,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 390            | 440            | 70             | 292 | 17 | 24   | 19   | A0            | 1              |
| 065-050-175 | 90S   | 1,5             | 1,1     | 80 | 85              | 100            | 827  | 947            | 115,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 065-050-175 | 90L   | 2,2             | 1,5     | 80 | 85              | 100            | 827  | 947            | 115,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 065-050-175 | 100L  | 3               | 2,2     | 80 | 85              | 100            | 870  | 990            | 115,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 065-050-175 | 100L  | 3               | 3       | 80 | 85              | 100            | 870  | 990            | 115,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 065-050-175 | 112M  | 4               | 4       | 80 | 85              | 100            | 854  | 974            | 115,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 150            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 065-050-175 | 132S  | 5,5             | 5,5     | 80 | 85              | 100            | 905  | 1025           | 97    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-175 | 132S  | 7,5             | 5,5     | 80 | 85              | 100            | 905  | 1025           | 97    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-175 | 160M  | 11              | 11      | 80 | 85              | 100            | 1054 | 1174           | 98    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 065-050-175 | 160M  | 15              | 11      | 80 | 85              | 100            | 1054 | 1174           | 98    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 065-050-175 | 160L  | 18,5            | 15      | 80 | 85              | 100            | 1114 | 1234           | 98    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 150            | 524            | 604            | 80             | 664 | 33 | 24   | 38   | A2            | 4              |
| 065-050-210 | 90S   | 1,5             | 1,1     | 80 | 85              | 120            | 827  | 947            | 114,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 065-050-210 | 90L   | 2,2             | 1,5     | 80 | 85              | 120            | 827  | 947            | 114,5 | 100             | 65                            | 50              | 620  | 80             | 460            | -              | 370            | 420            | 337 | 254            | 165            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 065-050-210 | 100L  | 3               | 2,2     | 80 | 85              | 120            | 870  | 990            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 419            | 469            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 065-050-210 | 100L  | 3               | 3       | 80 | 85              | 120            | 870  | 990            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 419            | 469            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 065-050-210 | 112M  | 4               | 4       | 80 | 85              | 120            | 854  | 974            | 114,5 | 100             | 65                            | 50              | 650  | 80             | 490            | -              | 370            | 420            | 337 | 254            | 165            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 065-050-210 | 132S  | 5,5             | 5,5     | 80 | 85              | 120            | 905  | 1025           | 96    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-210 | 132S  | 7,5             | 5,5     | 80 | 85              | 120            | 905  | 1025           | 96    | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 370            | 420            | 337 | 269            | 165            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 065-050-210 | 160M  | 11              | 11      | 80 | 85              | 120            | 1054 | 1174           | 97    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 065-050-210 | 160M  | 15              | 11      | 80 | 85              | 120            | 1054 | 1174           | 97    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 065-050-210 | 160L  | 18,5            | 15      | 80 | 85              | 120            | 1114 | 1234           | 97    | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 400            | 450            | 337 | 269            | 165            | 524            | 604            | 80             | 664 | 33 | 24   | 38   | A2            | 4              |
| 065-050-210 | 180M  | 22              | 18,5    | 80 | 85              | 120            | 1159 | 1279           | 96    | 100             | 65                            | 50              | 950  | 120            | 710            | -              | 450            | 500            | 337 | 289            | 165            | 563            | 643            | 80             | 698 | 44 | 24   | 48   | A3B           | 5              |
| 065-050-210 | 200L  | 30              | 30      | 80 | 85              | 120            | 1182 | 1302           | 96    | 100             | 65                            | 50              | 1000 | 120            | 760            | -              | 480            | 530            | 337 | 289            | 165            | 589            | 669            | 80             | 721 | 44 | 24   | 55   | A3B           | 6              |
| 065-050-210 | 200L  | 37              | 30      | 80 | 85              | 120            | 1182 | 1302           | 96    | 100             | 65                            | 50              | 1000 | 120            | 760            | -              | 480            | 530            | 337 | 289            | 165            | 589            | 669            | 80             | 721 | 44 | 24   | 55   | A3B           | 6              |
| 065-050-260 | 100L  | 3               | 2,2     | 90 | 90              | 145            | 1013 | 1133           | 117,5 | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 420            | 470            | 470 | 323            | 175            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 065-050-260 | 100L  | 3               | 3       | 90 | 90              | 145            | 1013 | 1133           | 117,5 | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 420            | 470            | 470 | 323            | 175            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 065-050-260 | 112M  | 4               | 4       | 90 | 90              | 145            | 997  | 1117           | 117,5 | 100             | 65                            | 50              | 800  | 100            | 600            | -              | 420            | 470            | 470 | 323            | 175            | 507            | 557            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 065-050-260 | 132S  | 5,5             | 5,5     | 90 | 90              | 145            | 1048 | 1168           | 117,5 | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 420            | 470            | 470 | 323            | 175            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 065-050-260 | 132S  | 7,5             | 5,5     | 90 | 90              | 145            | 1048 | 1168           | 117,5 | 100             | 65                            | 50              | 900  | 120            | 660            | -              | 420            | 470            | 470 | 323            | 175            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 065-050-260 | 160M  | 11              | 11      | 90 | 90              | 145            | 1197 | 1317           | 117,5 | 100             | 65                            | 50              | 1025 | 120            | 785            | -              | 420            | 470            | 470 | 323            | 175            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |

| Size        | Motor | p <sup>7)</sup> |         | A  | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [kW]            |         |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| [mm]        |       |                 |         |    |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 065-050-260 | 160M  | 15              | 11      | 90 | 90              | 145            | 1197 | 1317           | 117,5 | 100             | 65                            | 50              | 1025 | 120            | 785            | -              | 420            | 470            | 470 | 323            | 175            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 065-050-260 | 160L  | 18,5            | 15      | 90 | 90              | 145            | 1257 | 1377           | 117,5 | 100             | 65                            | 50              | 1025 | 120            | 785            | -              | 420            | 470            | 470 | 323            | 175            | 578            | 658            | 80             | 664 | 33 | 32   | 42   | A2            | 7              |
| 065-050-260 | 180M  | 22              | 18,5    | 90 | 90              | 145            | 1302 | 1422           | 118   | 100             | 65                            | 50              | 1100 | 130            | 840            | -              | 450            | 500            | 470 | 343            | 175            | 617            | 697            | 100            | 698 | 44 | 32   | 48   | A3B           | 8              |
| 065-050-260 | 200L  | 30              | 30      | 90 | 90              | 145            | 1325 | 1445           | 121   | 100             | 65                            | 50              | 1100 | 130            | 840            | -              | 480            | 530            | 470 | 343            | 175            | 643            | 750            | 100            | 721 | 44 | 32   | 48   | A3B           | 9              |
| 065-050-260 | 200L  | 37              | 30      | 90 | 90              | 145            | 1325 | 1445           | 121   | 100             | 65                            | 50              | 1100 | 130            | 840            | -              | 480            | 530            | 470 | 343            | 175            | 643            | 750            | 100            | 721 | 44 | 32   | 48   | A3B           | 9              |
| 080-065-145 | 90S   | 1,5             | 1,1     | 79 | 84              | 112            | 830  | 950            | 117,5 | 100             | 80                            | 65              | 620  | 80             | 460            | -              | 370            | 420            | 341 | 254            | 145            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 080-065-145 | 90L   | 2,2             | 1,5     | 79 | 84              | 112            | 830  | 950            | 117,5 | 100             | 80                            | 65              | 620  | 80             | 460            | -              | 370            | 420            | 341 | 254            | 145            | 409            | 459            | 70             | 387 | 23 | 24   | 19   | A1            | 1              |
| 080-065-145 | 100L  | 3               | 2,2     | 79 | 84              | 112            | 873  | 993            | 117,5 | 100             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 341 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-145 | 100L  | 3               | 3       | 79 | 84              | 112            | 873  | 993            | 117,5 | 100             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 341 | 254            | 145            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-145 | 112M  | 4               | 4       | 79 | 84              | 112            | 857  | 977            | 117,5 | 100             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 341 | 254            | 145            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 080-065-145 | 132S  | 5,5             | 5,5     | 79 | 84              | 112            | 908  | 1028           | 99    | 100             | 80                            | 65              | 800  | 100            | 600            | -              | 370            | 420            | 341 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 080-065-145 | 132S  | 7,5             | 5,5     | 79 | 84              | 112            | 908  | 1028           | 99    | 100             | 80                            | 65              | 800  | 100            | 600            | -              | 370            | 420            | 341 | 269            | 145            | 481            | 515            | 80             | 465 | 23 | 24   | 28   | A1            | 3              |
| 080-065-145 | 160M  | 11              | 11      | 79 | 84              | 112            | 1057 | 1177           | 100   | 100             | 80                            | 65              | 900  | 120            | 660            | -              | 400            | 450            | 341 | 269            | 145            | 524            | 604            | 80             | 604 | 33 | 24   | 42   | A2            | 4              |
| 080-065-145 | 160M  | 15              | 11      | 79 | 84              | 112            | 1057 | 1177           | 100   | 100             | 80                            | 65              | 900  | 120            | 660            | -              | 400            | 450            | 341 | 269            | 145            | 524            | 604            | 80             | 604 | 33 | 24   | 42   | A2            | 4              |
| 080-065-175 | 90S   | 1,5             | 1,1     | 80 | 85              | 120            | 830  | 950            | 117,5 | 125             | 80                            | 65              | 620  | 80             | 460            | -              | 370            | 420            | 340 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 080-065-175 | 90L   | 2,2             | 1,5     | 80 | 85              | 120            | 830  | 950            | 117,5 | 125             | 80                            | 65              | 620  | 80             | 460            | -              | 370            | 420            | 340 | 254            | 150            | 409            | 459            | 70             | 387 | 23 | 24   | 24   | A1            | 1              |
| 080-065-175 | 100L  | 3               | 2,2     | 80 | 85              | 120            | 873  | 993            | 117,5 | 125             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 340 | 254            | 150            | 419            | 469            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-175 | 100L  | 3               | 3       | 80 | 85              | 120            | 873  | 993            | 117,5 | 125             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 340 | 254            | 150            | 419            | 469            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-175 | 100L  | 3               | 2,2     | 80 | 85              | 120            | 873  | 993            | 117,5 | 125             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 340 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-175 | 100L  | 3               | 3       | 80 | 85              | 120            | 873  | 993            | 117,5 | 125             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 340 | 254            | 150            | 419            | 490            | 70             | 430 | 23 | 24   | 28   | A1            | 2              |
| 080-065-175 | 112M  | 4               | 4       | 80 | 85              | 120            | 857  | 977            | 117,5 | 125             | 80                            | 65              | 650  | 80             | 490            | -              | 370            | 420            | 340 | 254            | 150            | 438            | 488            | 70             | 414 | 23 | 24   | 28   | A1            | 2              |
| 080-065-175 | 132S  | 5,5             | 5,5     | 80 | 85              | 120            | 908  | 1028           | 99    | 125             | 80                            | 65              | 800  | 100            | 600            | -              | 370            | 420            | 340 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 080-065-175 | 132S  | 7,5             | 5,5     | 80 | 85              | 120            | 908  | 1028           | 99    | 125             | 80                            | 65              | 800  | 100            | 600            | -              | 370            | 420            | 340 | 269            | 150            | 481            | 515            | 80             | 465 | 23 | 24   | 38   | A1            | 3              |
| 080-065-175 | 160M  | 11              | 11      | 80 | 85              | 120            | 1057 | 1177           | 100   | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 400            | 450            | 340 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 080-065-175 | 160M  | 15              | 11      | 80 | 85              | 120            | 1057 | 1177           | 100   | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 400            | 450            | 340 | 269            | 150            | 524            | 604            | 80             | 604 | 33 | 24   | 38   | A2            | 4              |
| 080-065-175 | 160L  | 18,5            | 15      | 80 | 85              | 120            | 1117 | 1237           | 100   | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 400            | 450            | 340 | 269            | 150            | 524            | 604            | 80             | 664 | 33 | 24   | 38   | A2            | 4              |
| 080-065-175 | 180M  | 22              | 18,5    | 80 | 85              | 120            | 1162 | 1282           | 99    | 125             | 80                            | 65              | 950  | 120            | 710            | -              | 450            | 500            | 340 | 289            | 150            | 563            | 643            | 80             | 698 | 44 | 24   | 48   | A3B           | 5              |
| 080-065-175 | 200L  | 30              | 30      | 80 | 85              | 120            | 1185 | 1305           | 99    | 125             | 80                            | 65              | 1000 | 120            | 760            | -              | 480            | 530            | 340 | 289            | 150            | 589            | 669            | 80             | 721 | 44 | 24   | 55   | A3B           | 6              |
| 080-065-175 | 200L  | 37              | 30      | 80 | 85              | 120            | 1185 | 1305           | 99    | 125             | 80                            | 65              | 1000 | 120            | 760            | -              | 480            | 530            | 340 | 289            | 150            | 589            | 669            | 80             | 721 | 44 | 24   | 55   | A3B           | 6              |
| 080-065-210 | 100L  | 3               | 2,2     | 90 | -               | 135            | 1017 | 1137           | 120,5 | -               | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 474 | 323            | 165            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 080-065-210 | 100L  | 3               | 3       | 90 | -               | 135            | 1017 | 1137           | 120,5 | -               | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 474 | 323            | 165            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 080-065-210 | 112M  | 4               | 4       | 90 | -               | 135            | 1001 | 1121           | 120,5 | -               | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 474 | 323            | 165            | 507            | 557            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 080-065-210 | 132S  | 5,5             | 5,5     | 90 | -               | 135            | 1052 | 1172           | 120,5 | -               | 80                            | 65              | 900  | 120            | 660            | -              | 420            | 470            | 474 | 323            | 165            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 080-065-210 | 132S  | 7,5             | 5,5     | 90 | -               | 135            | 1052 | 1172           | 120,5 | -               | 80                            | 65              | 900  | 120            | 660            | -              | 420            | 470            | 474 | 323            | 165            | 535            | 585            | 80             | 465 | 23 | 32   | 38   | A1            | 4              |
| 080-065-210 | 160M  | 11              | 11      | 90 | -               | 135            | 1201 | 1321           | 120,5 | -               | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 474 | 323            | 165            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 080-065-210 | 160M  | 15              | 11      | 90 | -               | 135            | 1201 | 1321           | 120,5 | -               | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 474 | 323            | 165            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |

| Size        | Motor | p <sup>7)</sup> |         | A   | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M   | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|-----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|-----|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
|             |       | [mm]            |         |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |     |    |      |      |               |                |
| 080-065-210 | 160L  | 18,5            | 15      | 90  | -               | 135            | 1261 | 1381           | 120,5 | -               | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 474 | 323            | 165            | 578            | 658            | 80             | 664 | 33 | 32   | 42   | A2            | 7              |
| 080-065-210 | 180M  | 22              | 18,5    | 90  | -               | 135            | 1306 | 1426           | 121   | -               | 80                            | 65              | 1100 | 130            | 840            | -              | 450            | 500            | 474 | 343            | 165            | 617            | 697            | 100            | 698 | 44 | 32   | 48   | A3B           | 8              |
| 080-065-210 | 200L  | 30              | 30      | 90  | -               | 135            | 1329 | 1449           | 124   | -               | 80                            | 65              | 1100 | 130            | 840            | -              | 480            | 530            | 474 | 343            | 165            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 080-065-210 | 200L  | 37              | 30      | 90  | -               | 135            | 1329 | 1449           | 124   | -               | 80                            | 65              | 1100 | 130            | 840            | -              | 480            | 530            | 474 | 343            | 165            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 080-065-260 | 100L  | 3               | 2,2     | 100 | 108             | 155            | 1026 | 1146           | 129,5 | 125             | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 473 | 323            | 205            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 080-065-260 | 100L  | 3               | 3       | 100 | 108             | 155            | 1026 | 1146           | 129,5 | 125             | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 473 | 323            | 205            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 080-065-260 | 112M  | 4               | 4       | 100 | 108             | 155            | 1010 | 1130           | 129,5 | 125             | 80                            | 65              | 800  | 100            | 600            | -              | 420            | 470            | 473 | 323            | 205            | 507            | 557            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 080-065-260 | 132S  | 5,5             | 5,5     | 100 | 108             | 155            | 1111 | 1231           | 129,5 | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 420            | 470            | 473 | 323            | 205            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 080-065-260 | 132S  | 7,5             | 5,5     | 100 | 108             | 155            | 1111 | 1231           | 129,5 | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 420            | 470            | 473 | 323            | 205            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 080-065-260 | 132M  | -               | 7,5     | 100 | 108             | 155            | 1111 | 1231           | 129,5 | 125             | 80                            | 65              | 900  | 120            | 660            | -              | 420            | 470            | 473 | 323            | 205            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 080-065-260 | 160M  | 11              | 11      | 100 | 108             | 155            | 1210 | 1330           | 129,5 | 125             | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 473 | 323            | 205            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 080-065-260 | 160M  | 15              | 11      | 100 | 108             | 155            | 1210 | 1330           | 129,5 | 125             | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 473 | 323            | 205            | 578            | 658            | 80             | 604 | 33 | 32   | 42   | A2            | 7              |
| 080-065-260 | 160L  | 18,5            | 15      | 100 | 108             | 155            | 1270 | 1390           | 129,5 | 125             | 80                            | 65              | 1025 | 120            | 785            | -              | 420            | 470            | 473 | 323            | 205            | 578            | 658            | 80             | 664 | 33 | 32   | 42   | A2            | 7              |
| 080-065-260 | 180M  | 22              | 18,5    | 100 | 108             | 155            | 1315 | 1435           | 130   | 125             | 80                            | 65              | 1100 | 130            | 840            | -              | 450            | 500            | 473 | 343            | 205            | 617            | 697            | 100            | 698 | 44 | 32   | 48   | A3B           | 8              |
| 080-065-260 | 200L  | 30              | 30      | 100 | 108             | 155            | 1338 | 1458           | 133   | 125             | 80                            | 65              | 1100 | 130            | 840            | -              | 480            | 530            | 473 | 343            | 205            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 080-065-260 | 200L  | 37              | 30      | 100 | 108             | 155            | 1338 | 1458           | 133   | 125             | 80                            | 65              | 1100 | 130            | 840            | -              | 480            | 530            | 473 | 343            | 205            | 643            | 750            | 100            | 721 | 44 | 32   | 55   | A3B           | 9              |
| 080-065-260 | 225M  | 45              | 45      | 100 | 108             | 155            | 1435 | 1585           | 131   | 125             | 80                            | 65              | 1150 | 150            | 850            | -              | 520            | 570            | 473 | 343            | 205            | 716            | 850            | 100            | 818 | 44 | 32   | 55   | A3B           | 10             |
| 080-065-260 | 250M  | 55              | 55      | 100 | 108             | 155            | 1514 | 1664           | 101,5 | 125             | 80                            | 65              | 1275 | 200            | 875            | -              | 590            | 640            | 473 | 369            | 205            | 742            | 842            | 100            | 887 | 54 | 32   | 60   | A4            | 11             |
| 100-080-175 | 100L  | 3               | 2,2     | 100 | -               | 139            | 1031 | 1151           | 137,5 | -               | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 478 | 315            | 164            | 480            | 530            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 100-080-175 | 100L  | 3               | 3       | 100 | -               | 139            | 1031 | 1151           | 137,5 | -               | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 478 | 315            | 164            | 480            | 530            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 100-080-175 | 112M  | 4               | 4       | 100 | -               | 139            | 1015 | 1135           | 137,5 | -               | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 478 | 315            | 164            | 499            | 549            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 100-080-175 | 132S  | 5,5             | 5,5     | 100 | -               | 139            | 1116 | 1236           | 137,5 | -               | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 478 | 315            | 164            | 527            | 577            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 100-080-175 | 132S  | 7,5             | 5,5     | 100 | -               | 139            | 1116 | 1236           | 137,5 | -               | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 478 | 315            | 164            | 527            | 577            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 100-080-175 | 132M  | -               | 7,5     | 100 | -               | 139            | 1116 | 1236           | 137,5 | -               | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 478 | 315            | 164            | 527            | 577            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 100-080-175 | 160M  | 11              | 11      | 100 | -               | 139            | 1215 | 1335           | 137,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 315            | 164            | 570            | 650            | 80             | 604 | 33 | 32   | 38   | A2            | 7              |
| 100-080-175 | 160M  | 15              | 11      | 100 | -               | 139            | 1215 | 1335           | 137,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 315            | 164            | 570            | 650            | 80             | 604 | 33 | 32   | 38   | A2            | 7              |
| 100-080-175 | 160L  | 18,5            | 15      | 100 | -               | 139            | 1275 | 1395           | 137,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 315            | 164            | 570            | 650            | 80             | 664 | 33 | 32   | 38   | A2            | 7              |
| 100-080-175 | 180M  | 22              | 18,5    | 100 | -               | 139            | 1320 | 1440           | 138   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 450            | 500            | 478 | 335            | 164            | 609            | 689            | 100            | 698 | 44 | 32   | 48   | A3B           | 8              |
| 100-080-175 | 200L  | 30              | 30      | 100 | -               | 139            | 1343 | 1463           | 141   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 335            | 164            | 635            | 750            | 100            | 721 | 44 | 32   | 48   | A3B           | 9              |
| 100-080-175 | 200L  | 37              | 30      | 100 | -               | 139            | 1343 | 1463           | 141   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 335            | 164            | 635            | 750            | 100            | 721 | 44 | 32   | 48   | A3B           | 9              |
| 100-080-210 | 100L  | 3               | 2,2     | 100 | 128,5           | 145            | 1029 | 1149           | 132,5 | 150             | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 476 | 323            | 164            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 100-080-210 | 100L  | 3               | 3       | 100 | 128,5           | 145            | 1029 | 1149           | 132,5 | 150             | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 476 | 323            | 164            | 488            | 538            | 80             | 430 | 23 | 32   | 28   | A1            | 6              |
| 100-080-210 | 112M  | 4               | 4       | 100 | 128,5           | 145            | 1013 | 1133           | 132,5 | 150             | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 476 | 323            | 164            | 507            | 557            | 80             | 414 | 23 | 32   | 28   | A1            | 6              |
| 100-080-210 | 132S  | 5,5             | 5,5     | 100 | 128,5           | 145            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 164            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 100-080-210 | 132S  | 7,5             | 5,5     | 100 | 128,5           | 145            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 164            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |
| 100-080-210 | 132M  | -               | 7,5     | 100 | 128,5           | 145            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 164            | 535            | 585            | 80             | 515 | 23 | 32   | 38   | A1            | 7              |

| Size        | Motor | p <sup>7)</sup> |         | A   | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M    | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|-----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|------|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
|             |       | [mm]            |         |     |                 |                |      |                |       |                 |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
| 100-080-210 | 160M  | 11              | 11      | 100 | 128,5           | 145            | 1213 | 1333           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 164            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 7              |
| 100-080-210 | 160M  | 15              | 11      | 100 | 128,5           | 145            | 1213 | 1333           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 164            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 7              |
| 100-080-210 | 160L  | 18,5            | 15      | 100 | 128,5           | 145            | 1273 | 1393           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 164            | 578            | 658            | 80             | 664  | 33 | 32   | 42   | A2            | 7              |
| 100-080-210 | 180M  | 22              | 18,5    | 100 | 128,5           | 145            | 1318 | 1438           | 133   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 450            | 500            | 476 | 343            | 164            | 617            | 697            | 100            | 698  | 44 | 32   | 48   | A3B           | 8              |
| 100-080-210 | 200L  | 30              | 30      | 100 | 128,5           | 145            | 1341 | 1461           | 136   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 476 | 343            | 164            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 100-080-210 | 200L  | 37              | 30      | 100 | 128,5           | 145            | 1341 | 1461           | 136   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 476 | 343            | 164            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 100-080-210 | 225M  | 45              | 45      | 100 | 128,5           | 145            | 1438 | 1588           | 134   | 150             | 100                           | 80              | 1150 | 150            | 850            | -              | 520            | 570            | 476 | 343            | 164            | 716            | 850            | 100            | 818  | 44 | 32   | 55   | A3B           | 10             |
| 100-080-210 | 250M  | 55              | 55      | 100 | 128,5           | 145            | 1517 | 1667           | 104,5 | 150             | 100                           | 80              | 1275 | 200            | 875            | -              | 590            | 640            | 476 | 369            | 164            | 742            | 842            | 100            | 887  | 54 | 32   | 60   | A4            | 11             |
| 100-080-210 | 280S  | 75              | 75      | 100 | 128,5           | 145            | 1590 | 1740           | 104,5 | 150             | 100                           | 80              | 1400 | 150            | 1100           | 550            | 650            | 700            | 476 | 399            | 164            | 867            | 967            | 100            | 960  | 54 | 32   | 65   | A4            | 12             |
| 100-080-260 | 112M  | 4               | 4       | 100 | 135             | 165            | 1013 | 1133           | 132,5 | 150             | 100                           | 80              | 800  | 100            | 600            | -              | 420            | 470            | 476 | 323            | 209            | 507            | 557            | 80             | 414  | 23 | 32   | 28   | A1            | 6              |
| 100-080-260 | 132S  | 5,5             | 5,5     | 100 | 135             | 165            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 209            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 100-080-260 | 132S  | 7,5             | 5,5     | 100 | 135             | 165            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 209            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 100-080-260 | 132M  | -               | 7,5     | 100 | 135             | 165            | 1114 | 1234           | 132,5 | 150             | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 476 | 323            | 209            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 100-080-260 | 160M  | 11              | 11      | 100 | 135             | 165            | 1213 | 1333           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 209            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 100-080-260 | 160M  | 15              | 11      | 100 | 135             | 165            | 1213 | 1333           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 209            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 100-080-260 | 160L  | 18,5            | 15      | 100 | 135             | 165            | 1273 | 1393           | 132,5 | 150             | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 476 | 323            | 209            | 578            | 658            | 80             | 664  | 33 | 32   | 42   | A2            | 8              |
| 100-080-260 | 180M  | 22              | 18,5    | 100 | 135             | 165            | 1318 | 1438           | 133   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 450            | 500            | 476 | 343            | 209            | 617            | 697            | 100            | 698  | 44 | 32   | 48   | A3B           | 8              |
| 100-080-260 | 200L  | 30              | 30      | 100 | 135             | 165            | 1341 | 1461           | 136   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 476 | 343            | 209            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 100-080-260 | 200L  | 37              | 30      | 100 | 135             | 165            | 1341 | 1461           | 136   | 150             | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 476 | 343            | 209            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 100-080-260 | 225M  | 45              | 45      | 100 | 135             | 165            | 1438 | 1588           | 134   | 150             | 100                           | 80              | 1150 | 150            | 850            | -              | 520            | 570            | 476 | 343            | 209            | 716            | 850            | 100            | 818  | 44 | 32   | 55   | A3B           | 10             |
| 100-080-260 | 250M  | 55              | 55      | 100 | 135             | 165            | 1517 | 1667           | 104,5 | 150             | 100                           | 80              | 1275 | 200            | 875            | -              | 590            | 640            | 476 | 369            | 209            | 742            | 842            | 100            | 887  | 54 | 32   | 60   | A4            | 11             |
| 100-080-260 | 280S  | 75              | 75      | 100 | 135             | 165            | 1590 | 1740           | 104,5 | 150             | 100                           | 80              | 1400 | 150            | 1100           | 550            | 650            | 700            | 476 | 399            | 209            | 867            | 967            | 100            | 960  | 54 | 32   | 65   | A4            | 12             |
| 100-080-260 | 280M  | 90              | 90      | 100 | 135             | 165            | 1700 | 1850           | 104,5 | 150             | 100                           | 80              | 1400 | 150            | 1100           | 550            | 650            | 700            | 476 | 399            | 209            | 867            | 967            | 100            | 1070 | 54 | 32   | 65   | A4            | 12             |
| 100-080-310 | 132M  | -               | 7,5     | 100 | -               | 200            | 1116 | 1236           | 133,5 | -               | 100                           | 80              | 900  | 120            | 660            | -              | 420            | 470            | 478 | 336            | 250            | 548            | 598            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 100-080-310 | 160M  | 11              | 11      | 100 | -               | 200            | 1215 | 1335           | 133,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 336            | 250            | 591            | 671            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 100-080-310 | 160M  | 15              | 11      | 100 | -               | 200            | 1215 | 1335           | 133,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 336            | 250            | 591            | 671            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 100-080-310 | 160L  | 18,5            | 15      | 100 | -               | 200            | 1275 | 1395           | 133,5 | -               | 100                           | 80              | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 336            | 250            | 591            | 671            | 80             | 664  | 33 | 32   | 42   | A2            | 8              |
| 100-080-310 | 180M  | 22              | 18,5    | 100 | -               | 200            | 1290 | 1410           | 134   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 450            | 500            | 478 | 356            | 250            | 630            | 710            | 100            | 668  | 44 | 32   | 48   | A3B           | 9              |
| 100-080-310 | 180L  | -               | 22      | 100 | -               | 200            | 1320 | 1440           | 134   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 450            | 500            | 478 | 356            | 250            | 630            | 710            | 100            | 698  | 44 | 32   | 48   | A3B           | 9              |
| 100-080-310 | 200L  | 30              | 30      | 100 | -               | 200            | 1368 | 1488           | 137   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 356            | 250            | 656            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 100-080-310 | 200L  | 37              | 30      | 100 | -               | 200            | 1368 | 1488           | 137   | -               | 100                           | 80              | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 356            | 250            | 656            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 100-080-310 | 225S  | -               | 37      | 100 | -               | 200            | 1420 | 1570           | 135   | -               | 100                           | 80              | 1200 | 150            | 900            | -              | 520            | 570            | 478 | 356            | 250            | 729            | 750            | 100            | 788  | 54 | 32   | 60   | A4            | 11             |
| 125-100-210 | 112M  | 4               | 4       | 111 | -               | 161            | 1031 | 1151           | 151,5 | -               | 125                           | 100             | 800  | 100            | 600            | -              | 420            | 470            | 483 | 323            | 214            | 507            | 557            | 80             | 414  | 23 | 32   | 28   | A1            | 6              |
| 125-100-210 | 132S  | 5,5             | 5,5     | 111 | -               | 161            | 1132 | 1252           | 151,5 | -               | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 483 | 323            | 214            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 125-100-210 | 132S  | 7,5             | 5,5     | 111 | -               | 161            | 1132 | 1252           | 151,5 | -               | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 483 | 323            | 214            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 125-100-210 | 132M  | -               | 7,5     | 111 | -               | 161            | 1132 | 1252           | 151,5 | -               | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 483 | 323            | 214            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |

| Size        | Motor | p <sup>7)</sup> |         | A   | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub>   | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub> | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M    | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|-----|-----------------|----------------|------|----------------|-------|-------------------|-------------------------------|-----------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|------|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |     |                 |                |      |                |       |                   |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
|             |       | [mm]            |         |     |                 |                |      |                |       |                   |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
| [kW]        |       |                 |         |     |                 |                |      |                |       |                   |                               |                 |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
| 125-100-210 | 160L  | 18,5            | 15      | 111 | -               | 161            | 1291 | 1411           | 151,5 | -                 | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 483 | 343            | 214            | 598            | 678            | 80             | 664  | 33 | 32   | 42   | A2            | 7              |
| 125-100-210 | 180M  | 22              | 18,5    | 111 | -               | 161            | 1336 | 1456           | 152   | -                 | 125                           | 100             | 1100 | 130            | 840            | -              | 450            | 500            | 483 | 343            | 214            | 617            | 697            | 100            | 698  | 44 | 32   | 48   | A3B           | 8              |
| 125-100-210 | 200L  | 30              | 30      | 111 | -               | 161            | 1359 | 1479           | 155   | -                 | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 483 | 343            | 214            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 125-100-210 | 200L  | 37              | 30      | 111 | -               | 161            | 1359 | 1479           | 155   | -                 | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 483 | 343            | 214            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 125-100-210 | 225M  | 45              | 45      | 111 | -               | 161            | 1456 | 1606           | 153   | -                 | 125                           | 100             | 1150 | 150            | 850            | -              | 520            | 570            | 483 | 343            | 214            | 716            | 850            | 100            | 818  | 44 | 32   | 55   | A3B           | 10             |
| 125-100-210 | 250M  | 55              | 55      | 111 | -               | 161            | 1535 | 1685           | 123,5 | -                 | 125                           | 100             | 1275 | 200            | 875            | -              | 590            | 640            | 483 | 369            | 214            | 742            | 842            | 100            | 887  | 54 | 32   | 60   | A4            | 11             |
| 125-100-210 | 280S  | 75              | 75      | 111 | -               | 161            | 1608 | 1758           | 123,5 | -                 | 125                           | 100             | 1400 | 150            | 1100           | 550            | 650            | 700            | 483 | 399            | 214            | 867            | 967            | 100            | 960  | 54 | 32   | 65   | A4            | 12             |
| 125-100-210 | 280M  | 90              | 90      | 111 | -               | 161            | 1718 | 1868           | 123,5 | -                 | 125                           | 100             | 1400 | 150            | 1100           | 550            | 650            | 700            | 483 | 399            | 214            | 867            | 967            | 100            | 1070 | 54 | 32   | 65   | A4            | 12             |
| 125-100-260 | 132S  | 5,5             | 5,5     | 115 | 168,5           | 186            | 1131 | 1251           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 478 | 323            | 216            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 125-100-260 | 132S  | 7,5             | 5,5     | 115 | 168,5           | 186            | 1131 | 1251           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 478 | 323            | 216            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 125-100-260 | 132M  | -               | 7,5     | 115 | 168,5           | 186            | 1131 | 1251           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 900  | 120            | 660            | -              | 420            | 470            | 478 | 323            | 216            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |
| 125-100-260 | 160M  | 11              | 11      | 115 | 168,5           | 186            | 1230 | 1350           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 323            | 216            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 125-100-260 | 160M  | 15              | 11      | 115 | 168,5           | 186            | 1230 | 1350           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 323            | 216            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 125-100-260 | 160L  | 18,5            | 15      | 115 | 168,5           | 186            | 1290 | 1410           | 149,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 478 | 323            | 216            | 578            | 658            | 80             | 664  | 33 | 32   | 42   | A2            | 8              |
| 125-100-260 | 180M  | 22              | 18,5    | 115 | 168,5           | 186            | 1305 | 1425           | 150   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 450            | 500            | 478 | 343            | 216            | 617            | 697            | 100            | 668  | 44 | 32   | 48   | A3B           | 9              |
| 125-100-260 | 180L  | -               | 22      | 115 | 168,5           | 186            | 1335 | 1455           | 150   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 450            | 500            | 478 | 343            | 216            | 617            | 697            | 100            | 698  | 44 | 32   | 48   | A3B           | 9              |
| 125-100-260 | 200L  | 30              | 30      | 115 | 168,5           | 186            | 1358 | 1478           | 153   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 343            | 216            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 125-100-260 | 200L  | 37              | 30      | 115 | 168,5           | 186            | 1358 | 1478           | 153   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 478 | 343            | 216            | 643            | 750            | 100            | 721  | 44 | 32   | 55   | A3B           | 9              |
| 125-100-260 | 225M  | 45              | 45      | 115 | 168,5           | 186            | 1455 | 1605           | 151   | 200 <sup>9)</sup> | 125                           | 100             | 1150 | 150            | 850            | -              | 520            | 570            | 478 | 343            | 216            | 716            | 850            | 100            | 818  | 44 | 32   | 55   | A3B           | 10             |
| 125-100-260 | 250M  | 55              | 55      | 115 | 168,5           | 186            | 1534 | 1684           | 121,5 | 200 <sup>9)</sup> | 125                           | 100             | 1275 | 200            | 875            | -              | 590            | 640            | 478 | 369            | 216            | 742            | 842            | 100            | 887  | 54 | 32   | 60   | A4            | 11             |
| 125-100-260 | 280S  | 75              | 75      | 115 | 168,5           | 186            | 1607 | 1757           | 121,5 | 200 <sup>9)</sup> | 125                           | 100             | 1400 | 150            | 1100           | 550            | 650            | 700            | 478 | 399            | 216            | 867            | 967            | 100            | 960  | 54 | 32   | 65   | A4            | 12             |
| 125-100-260 | 280M  | 90              | 90      | 115 | 168,5           | 186            | 1717 | 1867           | 121,5 | 200 <sup>9)</sup> | 125                           | 100             | 1400 | 150            | 1100           | 550            | 650            | 700            | 478 | 399            | 216            | 867            | 967            | 100            | 1070 | 54 | 32   | 65   | A4            | 12             |
| 125-100-310 | 160M  | 11              | 11      | 115 | 166             | 215            | 1234 | 1354           | 152,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 482 | 336            | 250            | 591            | 671            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 125-100-310 | 160M  | 15              | 11      | 115 | 166             | 215            | 1234 | 1354           | 152,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 482 | 336            | 250            | 591            | 671            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 125-100-310 | 160L  | 18,5            | 15      | 115 | 166             | 215            | 1294 | 1414           | 152,5 | 200 <sup>9)</sup> | 125                           | 100             | 1025 | 120            | 785            | -              | 420            | 470            | 482 | 336            | 250            | 591            | 671            | 80             | 664  | 33 | 32   | 42   | A2            | 8              |
| 125-100-310 | 180M  | 22              | 18,5    | 115 | 166             | 215            | 1309 | 1429           | 153   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 450            | 500            | 482 | 356            | 250            | 630            | 710            | 100            | 668  | 44 | 32   | 48   | A3B           | 9              |
| 125-100-310 | 180L  | -               | 22      | 115 | 166             | 215            | 1339 | 1459           | 153   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 450            | 500            | 482 | 356            | 250            | 630            | 710            | 100            | 698  | 44 | 32   | 48   | A3B           | 9              |
| 125-100-310 | 200L  | 30              | 30      | 115 | 166             | 215            | 1387 | 1507           | 156   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 482 | 356            | 250            | 656            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 125-100-310 | 200L  | 37              | 30      | 115 | 166             | 215            | 1387 | 1507           | 156   | 200 <sup>9)</sup> | 125                           | 100             | 1100 | 130            | 840            | -              | 480            | 530            | 482 | 356            | 250            | 656            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 125-100-310 | 225S  | -               | 37      | 115 | 166             | 215            | 1439 | 1589           | 154   | 200 <sup>9)</sup> | 125                           | 100             | 1200 | 150            | 900            | -              | 520            | 570            | 482 | 356            | 250            | 729            | 750            | 100            | 788  | 54 | 32   | 60   | A4            | 11             |
| 125-100-310 | 225M  | 45              | 45      | 115 | 166             | 215            | 1499 | 1649           | 154   | 200 <sup>9)</sup> | 125                           | 100             | 1200 | 150            | 900            | -              | 520            | 570            | 482 | 356            | 250            | 729            | 850            | 100            | 848  | 54 | 32   | 60   | A4            | 11             |
| 150-125-260 | 132M  | -               | 7,5     | 110 | -               | 206            | 1135 | 1255           | 153,5 | -                 | 150                           | 125             | 900  | 120            | 660            | -              | 420            | 470            | 487 | 323            | 216            | 535            | 585            | 80             | 515  | 23 | 32   | 38   | A1            | 7              |

| Size        | Motor | p <sup>7)</sup> |         | A   | A <sup>8)</sup> | A <sub>1</sub> | C    | C <sub>1</sub> | D     | DN <sub>1</sub> | DN <sub>1</sub> <sup>8)</sup> | DN <sub>2</sub>   | E    | E <sub>1</sub> | E <sub>2</sub> | E <sub>3</sub> | E <sub>4</sub> | E <sub>5</sub> | F   | H <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | H <sub>4</sub> | H <sub>5</sub> | M    | X  | ØSHF | ØSHG | Coupling type | Baseplate size |
|-------------|-------|-----------------|---------|-----|-----------------|----------------|------|----------------|-------|-----------------|-------------------------------|-------------------|------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|------|----|------|------|---------------|----------------|
|             |       | 2 poles         | 4 poles |     |                 |                |      |                |       |                 |                               |                   |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
|             |       | [mm]            |         |     |                 |                |      |                |       |                 |                               |                   |      |                |                |                |                |                |     |                |                |                |                |                |      |    |      |      |               |                |
| 150-125-260 | 160M  | 11              | 11      | 110 | -               | 206            | 1234 | 1354           | 153,5 | -               | 150                           | 125               | 1025 | 120            | 785            | -              | 420            | 470            | 487 | 323            | 216            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 150-125-260 | 160M  | 15              | 11      | 110 | -               | 206            | 1234 | 1354           | 153,5 | -               | 150                           | 125               | 1025 | 120            | 785            | -              | 420            | 470            | 487 | 323            | 216            | 578            | 658            | 80             | 604  | 33 | 32   | 42   | A2            | 8              |
| 150-125-260 | 160L  | 18,5            | 15      | 110 | -               | 206            | 1294 | 1414           | 153,5 | -               | 150                           | 125               | 1025 | 120            | 785            | -              | 420            | 470            | 487 | 323            | 216            | 578            | 658            | 80             | 664  | 33 | 32   | 42   | A2            | 8              |
| 150-125-260 | 180M  | 22              | 18,5    | 110 | -               | 206            | 1309 | 1429           | 154   | -               | 150                           | 125               | 1100 | 130            | 840            | -              | 450            | 500            | 487 | 343            | 216            | 617            | 697            | 100            | 668  | 44 | 32   | 48   | A3B           | 9              |
| 150-125-260 | 180L  | -               | 22      | 110 | -               | 206            | 1339 | 1459           | 154   | -               | 150                           | 125               | 1100 | 130            | 840            | -              | 450            | 500            | 487 | 343            | 216            | 617            | 697            | 100            | 698  | 44 | 32   | 48   | A3B           | 9              |
| 150-125-260 | 200L  | 30              | 30      | 110 | -               | 206            | 1387 | 1507           | 157   | -               | 150                           | 125               | 1100 | 130            | 840            | -              | 480            | 530            | 487 | 343            | 216            | 643            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 150-125-260 | 200L  | 37              | 30      | 110 | -               | 206            | 1387 | 1507           | 157   | -               | 150                           | 125               | 1100 | 130            | 840            | -              | 480            | 530            | 487 | 343            | 216            | 643            | 750            | 100            | 746  | 44 | 32   | 55   | A3B           | 10             |
| 150-125-260 | 225S  | -               | 37      | 110 | -               | 206            | 1439 | 1589           | 155   | -               | 150                           | 125               | 1150 | 150            | 850            | -              | 520            | 570            | 487 | 343            | 216            | 716            | 750            | 100            | 788  | 54 | 32   | 60   | A4            | 11             |
| 150-125-350 | 160L  | 18,5            | 15      | 122 | -               | 232            | 1405 | 1525           | 6,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1300 | 150            | 1000           | -              | 600            | 650            | 586 | 398            | 300            | 653            | 796            | 100            | 664  | 33 | 48   | 42   | A3B           | 12             |
| 150-125-350 | 180M  | 22              | 18,5    | 122 | -               | 232            | 1420 | 1540           | 6,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 600            | 650            | 586 | 398            | 300            | 672            | 733            | 100            | 668  | 44 | 48   | 48   | A3B           | 13             |
| 150-125-350 | 180L  | -               | 22      | 122 | -               | 232            | 1450 | 1570           | 6,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 600            | 650            | 586 | 398            | 300            | 672            | 752            | 100            | 698  | 44 | 48   | 48   | A3B           | 13             |
| 150-125-350 | 200L  | 30              | 30      | 122 | -               | 232            | 1498 | 1618           | 9,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 600            | 650            | 586 | 398            | 300            | 698            | 752            | 100            | 746  | 44 | 48   | 55   | A3B           | 13             |
| 150-125-350 | 200L  | 37              | 30      | 122 | -               | 232            | 1498 | 1618           | 9,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 600            | 650            | 586 | 398            | 300            | 698            | 752            | 100            | 746  | 44 | 48   | 55   | A3B           | 13             |
| 150-125-350 | 225S  | -               | 37      | 122 | -               | 232            | 1550 | 1700           | 5,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1450 | 150            | 1150           | -              | 600            | 650            | 586 | 398            | 300            | 771            | 871            | 100            | 788  | 54 | 48   | 60   | A4            | 14             |
| 150-125-350 | 225M  | 45              | 45      | 122 | -               | 232            | 1610 | 1760           | 5,5   | -               | 150 <sup>9)</sup>             | 125 <sup>9)</sup> | 1450 | 150            | 1150           | -              | 600            | 650            | 586 | 398            | 300            | 771            | 871            | 100            | 848  | 54 | 48   | 60   | A4            | 14             |
| 200-150-350 | 180M  | 22              | 18,5    | 122 | -               | 258            | 1414 | 1534           | 2     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 650            | 700            | 580 | 448            | 300            | 722            | 851            | 100            | 668  | 44 | 48   | 48   | A3B           | 15             |
| 200-150-350 | 180L  | -               | 22      | 122 | -               | 258            | 1444 | 1564           | 2     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 650            | 700            | 580 | 448            | 300            | 722            | 802            | 100            | 698  | 44 | 48   | 48   | A3B           | 15             |
| 200-150-350 | 200L  | 30              | 30      | 122 | -               | 258            | 1492 | 1612           | 2     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 650            | 700            | 580 | 448            | 300            | 748            | 802            | 100            | 746  | 44 | 48   | 55   | A3B           | 15             |
| 200-150-350 | 200L  | 37              | 30      | 122 | -               | 258            | 1492 | 1612           | 2     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1400 | 150            | 1100           | -              | 650            | 700            | 580 | 448            | 300            | 748            | 802            | 100            | 746  | 44 | 48   | 55   | A3B           | 15             |
| 200-150-350 | 225S  | -               | 37      | 122 | -               | 258            | 1544 | 1694           | 1     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1460 | 150            | 1160           | -              | 650            | 700            | 580 | 448            | 300            | 821            | 921            | 100            | 788  | 54 | 48   | 60   | A3B           | 16             |
| 200-150-350 | 225M  | 45              | 45      | 122 | -               | 258            | 1604 | 1754           | 1     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1460 | 150            | 1160           | -              | 650            | 700            | 580 | 448            | 300            | 821            | 921            | 100            | 848  | 54 | 48   | 60   | A3B           | 16             |
| 200-150-350 | 250M  | 55              | 55      | 122 | -               | 258            | 1643 | 1793           | 1     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1520 | 185            | 1150           | 575            | 650            | 700            | 580 | 448            | 300            | 821            | 921            | 100            | 887  | 54 | 48   | 65   | A3B           | 17             |
| 200-150-350 | 280S  | 75              | 75      | 122 | -               | 258            | 1720 | 1870           | 1     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1600 | 185            | 1230           | 615            | 650            | 700            | 580 | 448            | 300            | 916            | 1016           | 100            | 960  | 58 | 48   | 75   | A45           | 18             |
| 200-150-350 | 280M  | 90              | 90      | 122 | -               | 258            | 1830 | 1980           | 1     | -               | 200 <sup>9)</sup>             | 150 <sup>9)</sup> | 1600 | 185            | 1230           | 615            | 650            | 700            | 580 | 448            | 300            | 916            | 1016           | 100            | 1070 | 58 | 48   | 75   | A45           | 18             |

#### Accessories

- Version with inducer for pump sizes 040-032-145 to 150-125-260
- Motor shroud made of stainless steel
- Heatable casing/discharge cover
- Residual drainage of pump casing
- System for supplying the mechanical seal







**LENNTECH**  
*WATER TREATMENT SOLUTIONS*

info@lennotech.com Tel. +31-152-610-900  
www.lennotech.com Fax. +31-152-616-289