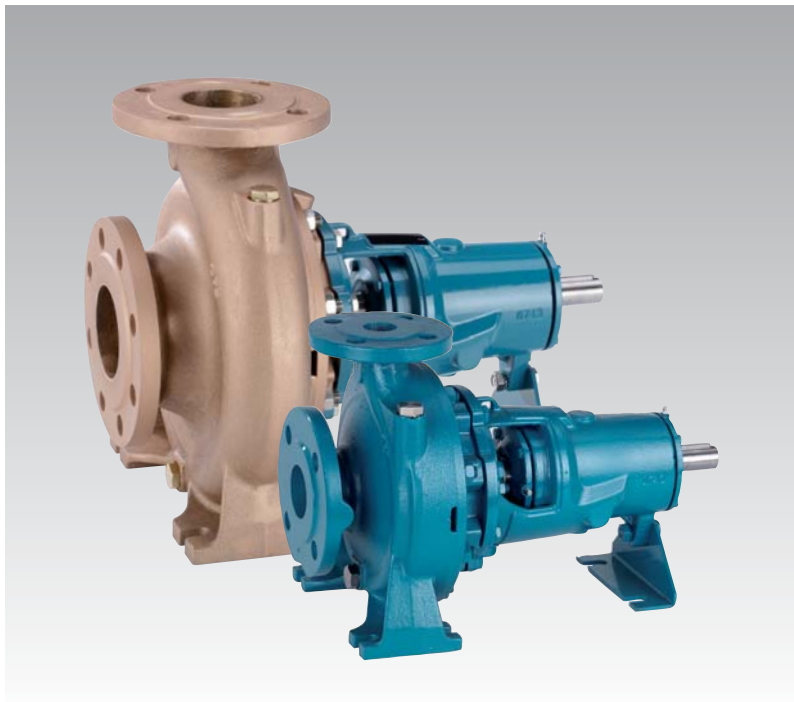




## Construction

Single-stage end-suction centrifugal pumps, with bearing bracket.

Nominal duty points and main dimensions in accordance with EN 733 (DIN 24255).

Back Pull-Out construction, for simple and quick dismantling and reassembly.

The pumps in bronze are supplied fully painted.

Rated speed of rotation (60 Hz): **N** = 3450 rpm  
**N4** = 1750 rpm

**Connections:** PN 10 flanges EN 1092-2.

### Counter-flanges (on request)

| Sizes                  | Flanges                                |
|------------------------|----------------------------------------|
| from 32-160 to 50-250  | Screwed flanges PN 16 EN 1092-1        |
| from 65-125 to 150-400 | Flanges for welding<br>PN 10 EN 1092-1 |

### Shaft sealing

- Standardized mechanical seal in accordance with ISO 3069.
- Stuffing box seal (on request).

## Applications

- For clean liquids, without abrasives, which are non-aggressive for the pump materials (contents of solids up to 0.2%).
- For water supply.
- For heating, air conditioning, cooling and circulation plants.
- For civil and industrial applications and for agriculture.
- For fire fighting applications.
- For irrigation.

## Operating conditions

Liquid temperature from -10 °C to +90 °C.

Ambient temperature up to 40° C.

Total suction lift up to 7 m.

Maximum permissible working pressure up to 10 bar.

Maximum permissible rotation speed: see table on page 52.

## Pump-Motor unit

N,N4 pump connected to a standard electric motor in B3 construction form (EN 60072-1).

**Classification scheme IE2 for three-phase motor from 0,75 kW.**

IP 55 protection,

Three-phase 380-415 V , 60 Hz by means of a baseplate, driven by a flexible coupling and with coupling protection.

Motor suitable for operation with frequency converter.

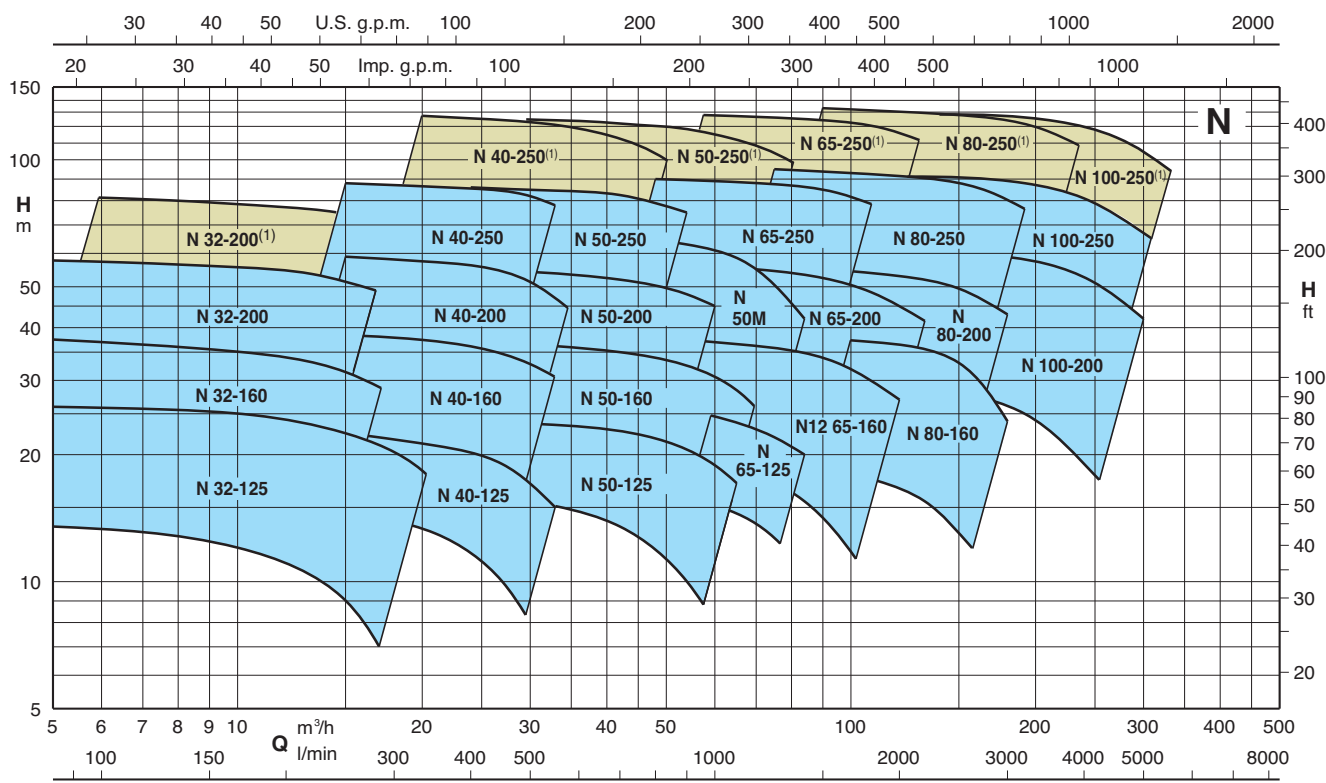
## Special features on request

- Special mechanical seal.
- Chrome-nickel steel AISI 316 pump-shaft.
- Higher or lower liquid or ambient temperatures.
- Other motor protection.
- Explosion proof construction in accordance with Directive 94/9 EEC (ATEX).
- Motor for other voltage.

## Materials

| Components      | N, N4<br>Mechanical seal                                              | N, N4<br>Stuffing box                                       | B-N, B-N4<br>Mechanical seal                    |
|-----------------|-----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|
| Pump casing     | Cast iron                                                             |                                                             | Bronze                                          |
| Lantern bracket | GJL 200 EN 1561                                                       |                                                             | G-Cu Sn 10 EN 1982                              |
| Impeller        | Cast iron                                                             |                                                             | Bronze                                          |
|                 | GJL 200 EN 1561                                                       |                                                             | G-Cu Sn 10 EN 1982                              |
|                 | Brass P- Cu Zn 40 Pb 2 UNI 5705<br>For 32-125, 32-160, 32-200, 40-200 |                                                             |                                                 |
| Shaft           | Chrome steel<br>1.4104 EN 10088<br>(AISI 430)                         | Carbon steel<br>C 40 UNI 7845                               | Cr-Ni-Mo steel<br>1.4401 EN 10088<br>(AISI 316) |
| Shaft sleeve    | —                                                                     | Bronze<br>G-Cu Sn5 Zn5 Pb5 EN 1982<br>with chromate surface | —                                               |
| Mechanical seal | Carbon - Ceramic - NBR                                                | —                                                           | Carbon - Ceramic - NBR                          |
| Counter-flanges | Steel Fe 430B UNI 7070                                                |                                                             |                                                 |

**Coverage chart n = 3450 rpm**



(1) Special execution

72.843.C

**Performance n ≈ 3450 rpm**

| B-N              | N              | P <sub>2</sub> |      | Q      | 6,6  | 7,5  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 15   | 16,8 | 18,9 | 21    | 24    | 27 | 30 |
|------------------|----------------|----------------|------|--------|------|------|------|------|------|------|------|------|------|------|-------|-------|----|----|
|                  |                | kW             | HP   | m³/h   |      |      |      |      |      |      |      |      |      |      |       |       |    |    |
|                  |                |                |      | l/min  |      |      |      |      |      |      |      |      |      |      |       |       |    |    |
| B-N 32-125F-60/A | N 32-125F-60/A | 0,55           | 0,75 | H<br>m | 14   | 13,5 | 13   | 12,5 | 12   | 11,5 | 10,5 | 9    |      |      |       |       |    |    |
| B-N 32-125D-60/A | N 32-125D-60/A | 0,75           | 1    |        | 19,5 | 19   | 19   | 18,5 | 18   |      |      |      |      |      |       |       |    |    |
| B-N 32-125D-60/A | N 32-125D-60/A | 1,1            | 1,5  |        | 19,5 | 19   | 19   | 18,5 | 18   | 17,5 | 16,5 | 15,5 |      |      |       |       |    |    |
| B-N 32-125A-60/A | N 32-125A-60/A | 1,1            | 1,5  |        | 24,5 | 24   | 24   | 23,5 | 23   |      |      |      |      |      |       |       |    |    |
| B-N 32-125A-60/A | N 32-125A-60/A | 1,5            | 2    |        | 24,5 | 24   | 24   | 23,5 | 23   | 22   | 21,5 | 20   |      |      |       |       |    |    |
| B-N 32-125S-60/A | N 32-125S-60/A | 1,5            | 2    |        | 26   | 26   | 25,5 | 25,5 | 25   | 24,5 | 24   | 22,5 | 21*  | 19*  | 16,5* | 12,5* |    |    |
| B-N 32-160B-60/A | N 32-160B-60/A | 1,5            | 2    |        | 31   | 30,5 | 30   | 29,5 | 29   |      |      |      |      |      |       |       |    |    |
| B-N 32-160B-60/A | N 32-160B-60/A | 2,2            | 3    |        | 31   | 30,5 | 30   | 29,5 | 29   | 28   | 27   | 25*  | 23*  |      |       |       |    |    |
| B-N 32-160A-60/A | N 32-160A-60/A | 2,2            | 3    |        | 36,5 | 36   | 35,5 | 35   | 34   | 33   |      |      |      |      |       |       |    |    |
| B-N 32-160A-60/A | N 32-160A-60/A | 3              | 4    |        | 36,5 | 36   | 35,5 | 35   | 34   | 33   | 32,5 | 31*  | 29*  |      |       |       |    |    |
| B-N 32-200D-60/A | N 32-200D-60/A | 2,2            | 3    |        | 39   | 38   | 37,5 | 36,9 | 35   |      |      |      |      |      |       |       |    |    |
| B-N 32-200D-60/A | N 32-200D-60/A | 3              | 4    |        | 39   | 38   | 37,5 | 36,9 | 35   | 34   | 32   |      |      |      |       |       |    |    |
| B-N 32-200C-60/A | N 32-200C-60/A | 3              | 4    |        | 45   | 44,5 | 44   | 43   | 42   | 41   | 40   | 37   | 34*  |      |       |       |    |    |
| B-N 32-200A-60/A | N 32-200A-60/A | 4              | 5,5  |        | 57   | 56,5 | 56   | 55,5 | 55   | 54   | 53   |      |      |      |       |       |    |    |
| B-N 32-200A-60/A | N 32-200A-60/A | 5,5            | 7,5  |        | 57   | 56,5 | 56   | 55,5 | 55   | 54   | 53   | 51   | 49*  |      |       |       |    |    |

| N                 | N               | P <sub>2</sub> |     | Q<br>m³/h | 15   | 16,8 | 18,9 | 21   | 24   | 27   | 30   | 33   | 37,8 | 39   | 42   | 45 | 48 | 54 |
|-------------------|-----------------|----------------|-----|-----------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|
|                   |                 | kW             | HP  |           |      |      |      |      |      |      |      |      |      |      |      |    |    |    |
|                   |                 |                |     |           |      |      |      |      |      |      |      |      |      |      |      |    |    |    |
| B-N 40-125F-60/A  | N 40-125F-60/A  | 1,1            | 1,5 | H<br>m    | 15,4 | 14,9 | 14,3 | 13,4 | 11,8 | 10   | 7,8  | 5,6  |      |      |      |    |    |    |
| B-N 40-125C-60/A  | N 40-125C-60/A  | 1,5            | 2   |           | 18,5 | 18,1 | 17,6 | 17   | 15,8 | 14,2 | 12,4 | 10,5 | 6,9  |      |      |    |    |    |
| B-N 40-125A-60/A  | N 40-125A-60/A  | 2,2            | 3   |           | 22,5 | 22,3 | 21,9 | 21,4 | 20,6 | 19,6 | 18,3 | 16,7 | 13,7 | 12,9 |      |    |    |    |
| B-N 40-160C-60/A  | N 40-160C-60/A  | 2,2            | 3   |           | 25,5 | 25,1 | 24,4 | 23,6 | 22,1 |      |      |      |      |      |      |    |    |    |
| B-N 40-160C-60/A  | N 40-160C-60/A  | 3              | 4   |           | 25,5 | 25,1 | 24,4 | 23,6 | 22,1 | 20,1 | 17,8 | 15,4 | 10,6 |      |      |    |    |    |
| B-N 40-160B-60/A  | N 40-160B-60/A  | 2,2            | 3   |           | 31   | 30,6 | 30,3 | 29,6 | 28,5 | 27,1 |      |      |      |      |      |    |    |    |
| B-N 40-160B-60/A  | N 40-160B-60/A  | 3              | 4   |           | 31   | 30,6 | 30,3 | 29,6 | 28,5 | 27,1 | 25,4 | 23,2 | 19,2 | 18,1 |      |    |    |    |
| B-N 40-160A-60/A  | N 40-160A-60/A  | 4              | 5,5 |           | 37,1 | 36,9 | 36,5 | 36,1 | 35,2 | 34,3 | 33,2 | 31,8 |      |      |      |    |    |    |
| B-N 40-160A-60/A  | N 40-160A-60/A  | 5,5            | 7,5 |           | 37,1 | 36,9 | 36,5 | 36,1 | 35,2 | 34,3 | 33,2 | 31,8 | 28,8 | 27,9 | 25,6 | 23 |    |    |
| B-N 40-200C-60/A  | N 40-200C-60/A  | 4              | 5,5 |           | 44   | 43   | 42   | 41   |      |      |      |      |      |      |      |    |    |    |
| B-N 40-200C-60/A  | N 40-200C-60/A  | 5,5            | 7,5 |           | 44   | 43   | 42   | 41   | 39   | 36   |      |      |      |      |      |    |    |    |
| B-N 40-200B-60/A  | N 40-200B-60/A  | 5,5            | 7,5 |           | 52   | 51,5 | 50,5 | 49,5 | 47,5 | 44,5 | 40   | 35   |      |      |      |    |    |    |
| B-N 40-200AR-60/A | N 40-200AR-60/A | 5,5            | 7,5 |           | 56,5 | 56   | 55   | 54   | 52   |      |      |      |      |      |      |    |    |    |
| B-N 40-200AR-60/A | N 40-200AR-60/A | 7,5            | 10  |           | 56,5 | 56   | 55   | 54   | 52   | 49   |      |      |      |      |      |    |    |    |
| B-N 40-200A-60/A  | N 40-200A-60/A  | 7,5            | 10  |           | 59,5 | 59   | 58,5 | 58   | 56   | 53,5 | 50,5 | 47   | 38,5 |      |      |    |    |    |
| B-N 40-250C-60/A  | N 40-250C-60/A  | 11             | 15  |           | 65,4 | 65   | 64,4 | 63,5 | 61,5 | 58,6 | 54,2 | 49   |      |      |      |    |    |    |
| B-N 40-250B-60/A  | N 40-250B-60/A  | 11             | 15  |           | 71,5 | 71,3 | 70,8 | 70,3 | 68,9 | 66,4 | 63,3 | 59,2 | 50   |      |      |    |    |    |
| B-N 40-250A-60/A  | N 40-250A-60/A  | 15             | 20  |           | 90,4 | 90,2 | 89,7 | 89,1 | 88,5 | 87,3 | 86,1 | 83,8 | 78   | 76   |      |    |    |    |

### Performance n ≈ 3450 rpm

| B-N              | N              | P <sub>2</sub> |     | Q<br>m³/h<br>l/min | 24   | 27   | 30   | 33   | 37,8 | 42   | 48   | 54   | 60   | 66   | 69   | 72   | 75   | 84   |
|------------------|----------------|----------------|-----|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                  |                | kW             | HP  |                    | 400  | 450  | 500  | 550  | 630  | 700  | 800  | 900  | 1000 | 1100 | 1150 | 1200 | 1250 | 1400 |
| B-N 50-125F-60/A | N 50-125F-60/A | 2,2            | 3   | H m                |      |      | 16,1 | 15,4 | 14,2 | 13   | 11,1 | 8,6  | 5,8  |      |      |      |      |      |
| B-N 50-125D-60/A | N 50-125D-60/A | 3              | 4   |                    |      |      | 19,4 | 19   | 18   | 17   | 15,5 | 13,5 | 11,1 | 8,4  |      |      |      |      |
| B-N 50-125A-60/A | N 50-125A-60/A | 4              | 5,5 |                    |      |      | 24,8 | 24,6 | 24   | 23,4 | 22,3 |      |      |      |      |      |      |      |
| B-N 50-125A-60/A | N 50-125A-60/A | 5,5            | 7,5 |                    |      |      | 24,8 | 24,6 | 24   | 23,4 | 22,3 | 20,8 | 19   | 17   | 16   | 14,8 | 13,6 |      |
| B-N 50-160B-60/A | N 50-160B-60/A | 5,5            | 7,5 |                    |      |      | 35,3 | 34,9 | 33,6 |      |      |      |      |      |      |      |      |      |
| B-N 50-160B-60/A | N 50-160B-60/A | 7,5            | 10  |                    |      |      | 35,3 | 34,9 | 33,6 | 32,4 | 30,1 | 27,5 | 24,5 | 20,9 | 19   | 17,1 | 15,1 |      |
| B-N 50-160A-60/A | N 50-160A-60/A | 7,5            | 10  |                    |      |      | 41,7 | 41,6 | 41,2 | 40,3 | 38,5 | 36,3 | 33,8 | 30,9 | 29,4 | 27,8 | 26,1 | 20,4 |
| B-N 50-200B-60/A | N 50-200B-60/A | 11             | 15  |                    | 51   | 50,6 | 50,4 | 49,8 | 48,5 | 47,1 | 44   | 40,5 | 36   | 30,2 | 27,3 |      |      |      |
| B-N 50-200A-60/A | N 50-200A-60/A | 11             | 15  |                    | 57,6 | 57,7 | 57,3 | 56,9 | 55,7 | 54,6 | 52,2 | 49,5 | 46   | 41,8 | 39   | 36,2 | 33,2 |      |
| B-N 50-250C-60/A | N 50-250C-60/A | 11             | 15  |                    | 61,9 | 61,2 | 60,3 | 59,3 | 57,2 | 55   | 50   | 44   | 36,5 |      |      |      |      |      |
| B-N 50-250B-60/A | N 50-250B-60/A | 15             | 20  |                    | 74,6 | 73,9 | 73,2 | 72   | 70,1 | 68,1 | 64,3 | 59,3 | 52,8 | 43,8 |      |      |      |      |
| B-N 50-250A-60/A | N 50-250A-60/A | 18,5           | 25  |                    | 87,6 | 87,3 | 86,9 | 86,2 | 84,7 | 83   | 79,8 | 76   | 72   | 66,9 |      |      |      |      |
| B-N 50M/E-60/A   | N 50M/E-60/A   | 11             | 15  |                    |      |      | 47,5 | 47   | 46   | 45   | 42   | 38,5 | 34   | 29   | 26   | 24   | 20   |      |
| B-N 50M/D-60/A   | N 50M/D-60/A   | 15             | 20  |                    |      |      | 58   | 57,5 | 56   | 55   | 53   | 50,5 | 47,5 | 44   | 42   | 40   | 36,5 | 25*  |
| B-N 50M/C-60/A   | N 50M/C-60/A   | 18,5           | 25  |                    |      |      | 69   | 68,5 | 67,5 | 66,5 | 64,5 | 62,5 | 60,5 | 57,5 | 56   | 54   | 51   | 42*  |

4

| B-N              | N              | P <sub>2</sub> |     | Q<br>m³/h<br>l/min | 37,8 | 42   | 48   | 54   | 60   | 66    | 75   | 84    | 96    | 108   | 120   | 132  | 150  | 168  |
|------------------|----------------|----------------|-----|--------------------|------|------|------|------|------|-------|------|-------|-------|-------|-------|------|------|------|
|                  |                | kW             | HP  |                    | 630  | 700  | 800  | 900  | 1000 | 1100  | 1250 | 1400  | 1600  | 1800  | 2000  | 2200 | 2500 | 2800 |
| B-N 65-125E-60/A | N 65-125E-60/A | 4              | 5,5 | H m                | 19   | 18,5 | 18   | 17   | 16   | 15    | 13*  |       |       |       |       |      |      |      |
| B-N 65-125C-60/A | N 65-125C-60/A | 5,5            | 7,5 |                    | 23   | 22,5 | 22   | 21,5 | 21   | 19,5  | 17,5 | 15*   |       |       |       |      |      |      |
| B-N 65-125A-60/A | N 65-125A-60/A | 7,5            | 10  |                    | 27   | 26,5 | 26   | 25,5 | 25   | 24    | 22   | 19,5* |       |       |       |      |      |      |
| B-N 65-160E-60/A | N 65-160E-60/A | 5,5            | 7,5 |                    |      |      | 20   | 19,5 | 19   | 18    | 17   | 15    | 13*   | 10*   |       |      |      |      |
| B-N 65-160D-60/A | N 65-160D-60/A | 7,5            | 10  |                    |      |      | 26   | 25,5 | 25   | 24,5  | 23,5 | 22    | 19,5* | 16,5* | 13*   |      |      |      |
| B-N 65-160C-60/A | N 65-160C-60/A | 11             | 15  |                    |      |      | 30   | 29,5 | 29   | 28,5  | 27,5 | 26,5  | 24*   | 21*   | 18*   |      |      |      |
| B-N 65-160B-60/A | N 65-160B-60/A | 11             | 15  |                    |      |      | 33,5 | 33   | 32,5 | 32    | 31   | 29,5  | 28*   | 25*   | 22,5* |      |      |      |
| B-N 65-160A-60/A | N 65-160A-60/A | 15             | 20  |                    |      |      | 37,5 | 37   | 37   | 36,5  | 36   | 34,5  | 33*   | 30*   | 27*   |      |      |      |
| B-N 65-200C-60/A | N 65-200C-60/A | 15             | 20  |                    |      |      | 44   | 43,5 | 43   | 42,5  | 41   | 40    | 37,5* | 35*   | 31*   | 27*  |      |      |
| B-N 65-200B-60/A | N 65-200B-60/A | 18,5           | 25  |                    |      |      | 49,5 | 49   | 48,5 | 48    | 47,5 | 46,5  | 44,5* | 42*   | 38,5* | 35*  |      |      |
| B-N 65-200A-60/A | N 65-200A-60/A | 22             | 30  |                    |      |      | 56   | 55,5 | 55   | 54,5  | 54   | 53,5  | 51*   | 48*   | 45*   | 41*  |      |      |
| B-N 65-250C-60   | N 65-250C-60   | 22             | 30  |                    |      |      | 64   | 63   | 62,5 | 61,5* | 60*  | 57,5* | 54,5* | 50*   |       |      |      |      |
| B-N 65-250B-60   | N 65-250B-60   | 30             | 40  |                    |      |      | 79,5 | 79   | 78,5 | 78*   | 77*  | 75*   | 71*   | 66,5* |       |      |      |      |
| B-N 65-250A-60   | N 65-250A-60   | 37             | 50  |                    |      |      | 90   | 89,5 | 89   | 88,5* | 87*  | 86*   | 83*   | 78,5* |       |      |      |      |

| B-N              | N              | P <sub>2</sub> |     | Q<br>m³/h<br>l/min | 75   | 84   | 96   | 108   | 120   | 132   | 150   | 168   | 180   | 192   | 210   | 240   | 270  | 300  |
|------------------|----------------|----------------|-----|--------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
|                  |                | kW             | HP  |                    | 1250 | 1400 | 1600 | 1800  | 2000  | 2200  | 2500  | 2800  | 3000  | 3200  | 3500  | 4000  | 4500 | 5000 |
| B-N 80-160E-60/A | N 80-160E-60/A | 7,5            | 10  | H m                | 19,5 | 19   |      | 17,5* | 16,5* | 15*   | 13*   |       |       |       |       |       |      |      |
| B-N 80-160E-60/A | N 80-160E-60/A | 11             | 15  |                    | 19,5 | 19   | 18   | 17,5* | 16,5* | 15*   | 13*   |       |       |       |       |       |      |      |
| B-N 80-160D-60/A | N 80-160D-60/A | 11             | 15  |                    | 23   | 22,5 | 22   | 21*   | 19,5* | 18*   | 15*   |       |       |       |       |       |      |      |
| B-N 80-160C-60/A | N 80-160C-60/A | 11             | 15  |                    | 27,5 | 27   | 25,5 | 25*   | 24,5* | 23*   | 20*   | 16*   |       |       |       |       |      |      |
| B-N 80-160B-60/A | N 80-160B-60/A | 15             | 20  |                    | 34   | 33,5 | 33   | 32,5* | 31,5* | 31*   | 28*   | 22,5* | 18*   |       |       |       |      |      |
| B-N 80-160A-60/A | N 80-160A-60/A | 18,5           | 25  |                    | 38,5 | 38   | 37,5 | 37*   | 36,5* | 36*   | 33*   | 28,5* | 24*   |       |       |       |      |      |
| B-N 80-200B-60   | N 80-200B-60   | 22             | 30  |                    | 46,5 | 46   | 45,5 | 44,5  | 43,5* | 42*   | 39*   | 35*   | 32*   |       |       |       |      |      |
| B-N 80-200A-60   | N 80-200A-60   | 30             | 40  |                    | 56   | 55,5 | 55   | 54    | 53,5* | 52*   | 49*   | 46*   | 43*   |       |       |       |      |      |
| B-N 80-250E-60   | N 80-250E-60   | 22             | 30  |                    | 51   | 50   | 48,5 | 46,5  | 44,5* | 42*   | 38*   | 33*   | 29*   |       |       |       |      |      |
| B-N 80-250D-60   | N 80-250D-60   | 30             | 40  |                    | 65   | 64   | 62,5 | 61    | 59*   | 56,5* | 53*   | 49*   | 45*   | 41*   |       |       |      |      |
| B-N 80-250C-60   | N 80-250C-60   | 37             | 50  |                    | 73,5 | 73   | 72   | 70,5  | 69*   | 67*   | 63*   | 59*   | 55*   | 51*   |       |       |      |      |
| B-N 80-250B-60   | N 80-250B-60   | 45             | 60  |                    | 84   | 83,5 | 82,5 | 81    | 80*   | 78*   | 74*   | 70*   | 67*   | 62,5* |       |       |      |      |
| B-N 80-250A-60   | N 80-250A-60   | 55             | 75  |                    | 94,5 | 94   | 93   | 92,5  | 91,5* | 90*   | 87,5* | 84*   | 80*   | 76,5* |       |       |      |      |
| B-N 100-200E-60  | N 100-200E-60  | 18,5           | 25  |                    |      |      |      | 30    | 29,5  | 29    | 28    | 27    | 26*   | 24,5* | 22,5* | 19*   |      |      |
| B-N 100-200D-60  | N 100-200D-60  | 22             | 30  |                    |      |      |      | 36    | 35,5  | 35    | 34    | 33    | 32*   | 31*   | 29*   | 24*   |      |      |
| B-N 100-200C-60  | N 100-200C-60  | 30             | 40  |                    |      |      |      | 45    | 44,5  | 44    | 43    | 42,5  | 41*   | 40*   | 39*   | 34*   | 28*  |      |
| B-N 100-200B-60  | N 100-200B-60  | 37             | 50  |                    |      |      |      | 54    | 53,5  | 53    | 52,5  | 51,5  | 50*   | 49*   | 47,5* | 43*   | 38*  |      |
| B-N 100-200A-60  | N 100-200A-60  | 45             | 60  |                    |      |      |      | 61,5  | 61    | 60,5  | 60    | 59,5  | 59*   | 58*   | 56*   | 52,5* | 48*  | 42*  |
| B-N 100-250B-60  | N 100-250B-60  | 55             | 75  |                    |      |      |      | 73,5  | 73    | 72,5  | 71,5  | 70    | 69*   | 67*   | 65*   | 60*   | 55*  | 48*  |
| B-N 100-250A-60  | N 100-250A-60  | 75             | 100 |                    |      |      |      | 90,5  | 90    | 90    | 89    | 88,5  | 87,5* | 87*   | 85*   | 81*   | 75*  | 67*  |

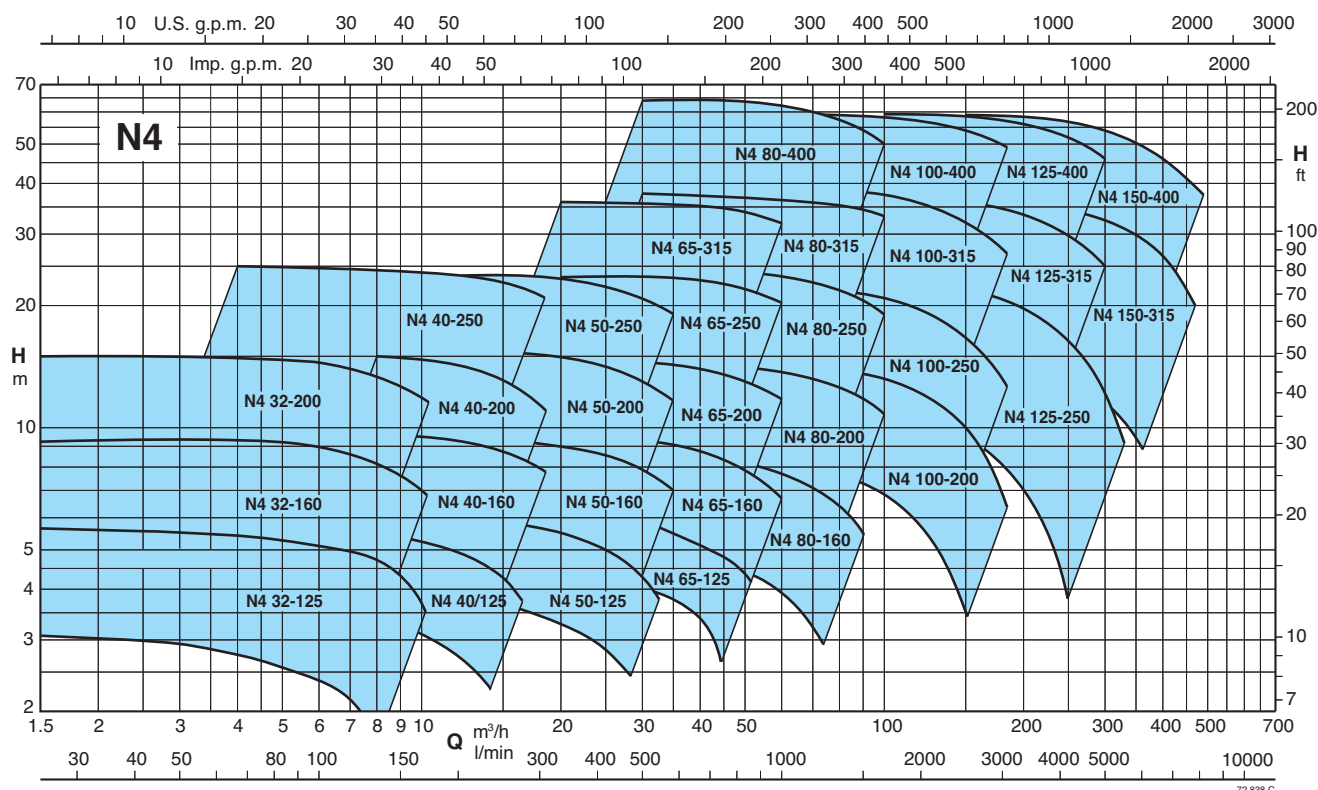
N Standard construction.  
B-N Bronze construction.

P<sub>2</sub> Rated motor power output.  
H Total head in m.

\* Maximum suction lift 1-2 m.  
◉ With 1 m suction head.

Tolerances according to UNI EN ISO 9906:2012.

## Coverage chart n = 1750 rpm



## Performance n ≈ 1750 rpm

|                   | N4              | P <sub>2</sub> |      | Q<br>m³/h | 2,4   | 3    | 3,6  | 4,2  | 4,8  | 5,4  | 6    | 7,5  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 15   | 16,8 | 18,9 | 21   | 24   | 27   | 30    |
|-------------------|-----------------|----------------|------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                   |                 | kW             | HP   |           | l/min | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 125  | 140  | 160  | 180  | 200  | 220  | 250  | 280  | 315  | 350  | 400  | 450   |
|                   |                 |                |      | H<br>m    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| B-N4 32-160B-60/A | N4 32-160B-60/A | 0,37           | 0,5  | H<br>m    | 7,6   | 7,6  | 7,5  | 7,4  | 7,4  | 7,3  | 7,1  | 6,6  | 6,1  | 5,3  | 4,4  |      |      |      |      |      |      |      |      |       |
| B-N4 32-160A-60/A | N4 32-160A-60/A | 0,37           | 0,5  |           | 9,2   | 9,2  | 9,1  | 9,1  | 9    | 9    | 8,8  | 8,3  | 7,8  | 7,2  | 6,4  | 5,4* |      |      |      |      |      |      |      |       |
| B-N4 32-200B-60/A | N4 32-200B-60/A | 0,55           | 0,75 |           | 13,1  | 13   | 12,9 | 12,8 | 12,6 | 12,4 | 12,2 | 11,4 | 10,8 | 9,8  | 8,7  | 7,3* | 5,7* |      |      |      |      |      |      |       |
| B-N4 32-200A-60/A | N4 32-200A-60/A | 0,75           | 1    |           | 14,9  | 14,8 | 14,7 | 14,6 | 14,5 | 14,3 | 14,1 | 13,6 | 13,2 | 12,4 | 11,4 | 10*  | 8,5* |      |      |      |      |      |      |       |
| B-N4 40-160C-60/A | N4 40-160C-60/A | 0,37           | 0,5  |           |       |      |      |      |      | 6,75 | 6,75 | 6,65 | 6,53 | 6,35 | 6,15 | 5,9  | 5,53 |      |      |      |      |      |      |       |
| B-N4 40-160B-60/A | N4 40-160B-60/A | 0,55           | 0,75 |           |       |      |      |      |      | 8,1  | 8,1  | 8    | 7,95 | 7,8  | 7,6  | 7,4  | 7,2  | 6,75 | 6,25 | 5,5  | 4,6  |      |      |       |
| B-N4 40-160A-60/A | N4 40-160A-60/A | 0,75           | 1    |           |       |      |      |      |      | 9,7  | 9,7  | 9,65 | 9,6  | 9,5  | 9,37 | 9,2  | 9    | 8,7  | 8,3  | 7,8  | 7    | 5,8  |      |       |
| B-N4 40-200B-60/A | N4 40-200B-60/A | 1,1            | 1,5  |           |       |      |      |      |      | 13,3 | 13,2 | 13,1 | 13   | 12,7 | 12,5 | 12   | 11,5 | 10,5 | 9,5  | 7,8  |      |      |      |       |
| B-N4 40-200A-60/A | N4 40-200A-60/A | 1,1            | 1,5  |           |       |      |      |      |      | 15,3 | 15,2 | 15,1 | 15   | 14,7 | 14,5 | 14   | 13,7 | 13   | 12,2 | 10,8 | 9,3  |      |      |       |
| B-N4 40-250C-60/A | N4 40-250C-60/A | 1,5            | 2    |           |       |      |      |      |      | 18,3 | 18,2 | 18,1 | 18   | 17,9 | 17,6 | 17,3 | 16,8 | 15,7 | 14,2 | 11,8 | 8,9  | 4,4  |      |       |
| B-N4 40-250B-60/A | N4 40-250B-60/A | 2,2            | 3    |           |       |      |      |      |      | 22,7 | 22,7 | 22,7 | 22,6 | 22,6 | 22,5 | 22,3 | 22,1 | 21,6 | 20,6 | 19,2 | 17,5 | 14,2 | 10,1 |       |
| B-N4 40-250A-60/A | N4 40-250A-60/A | 3              | 4    |           |       |      |      |      |      | 25,1 | 25   | 25   | 24,9 | 24,9 | 24,8 | 24,6 | 24,4 | 24   | 23,6 | 22,6 | 21,3 | 18,5 | 15   | 10,7* |

| B - N4            | N4              | P2  |     | Q<br>m³/h | 10,8  | 12   | 13,2 | 15    | 16,8 | 18,9 | 21   | 24   | 27    | 30   | 33   | 37,8 | 42   | 48   | 54   | 60   | 66    | 75    | 84    |
|-------------------|-----------------|-----|-----|-----------|-------|------|------|-------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|-------|-------|
|                   |                 | kW  | HP  |           | l/min | 180  | 200  | 220   | 250  | 280  | 315  | 350  | 400   | 450  | 500  | 550  | 630  | 700  | 800  | 900  | 1000  | 1100  | 1250  |
|                   |                 |     |     |           |       |      |      |       |      |      |      |      |       |      |      |      |      |      |      |      |       |       |       |
| B-N4 50-160B-60/A | N4 50-160B-60/A | 1,1 | 1,5 | H<br>m    | 9     | 9    | 9    | 8,95  | 8,8  | 8,55 | 8,25 | 7,7  | 7     | 6,25 | 5,4  | 3,8* |      |      |      |      |       |       |       |
| B-N4 50-160A-60/A | N4 50-160A-60/A | 1,1 | 1,5 |           | 10,55 | 10,6 | 10,6 | 10,6  | 10,6 | 10,5 | 10,3 | 9,9  | 9,3   | 8,6  | 7,9  | 6,6* | 5,3* |      |      |      |       |       |       |
| B-N4 50-200C-60/A | N4 50-200C-60/A | 1,1 | 1,5 |           | 11,2  | 11,2 | 11,1 | 11    | 10,8 | 10,4 | 10   | 9,1  | 8     | 6,8  | 5,3  | 2,7  |      |      |      |      |       |       |       |
| B-N4 50-200B-60/A | N4 50-200B-60/A | 1,5 | 2   |           | 12,8  | 12,8 | 12,8 | 12,75 | 12,6 | 12,3 | 11,9 | 11,3 | 10,5  | 9,4  | 8,1  | 5,8  | 3,4  |      |      |      |       |       |       |
| B-N4 50-200A-60/A | N4 50-200A-60/A | 2,2 | 3   |           | 16,7  | 16,8 | 16,9 | 16,9  | 16,9 | 16,8 | 16,6 | 16,3 | 15,74 | 15,2 | 14,4 | 13   | 11,2 | 8,5  | 5,4  |      |       |       |       |
| B-N4 50-250C-60/A | N4 50-250C-60/A | 2,2 | 3   |           | 18,9  | 18,9 | 18,9 | 18,8  | 18,5 | 18,2 | 17,8 | 17,1 | 16,2  | 15,1 | 13,3 | 10,3 | 7,2* |      |      |      |       |       |       |
| B-N4 50-250B-60/A | N4 50-250B-60/A | 3   | 4   |           | 23,1  | 23,1 | 23,1 | 23    | 22,8 | 22,6 | 22,2 | 21,5 | 20,5  | 19,5 | 18,2 | 15,3 | 12*  |      |      |      |       |       |       |
| B-N4 50-250A-60/A | N4 50-250A-60/A | 4   | 5,5 |           | 24,1  | 24,1 | 24,1 | 24    | 23,8 | 23,6 | 23,2 | 22,6 | 21,9  | 21   | 19,7 | 17   | 14*  |      |      |      |       |       |       |
| B-N4 65-160C-60/A | N4 65-160C-60/A | 1,1 | 1,5 |           |       |      |      |       |      |      | 6,6  | 6,6  | 6,5   | 6,4  | 6,3  | 6    | 5,7  | 5,2  | 4,5  | 3,7  |       |       |       |
| B-N4 65-160B-60/A | N4 65-160B-60/A | 1,1 | 1,5 |           |       |      |      |       |      |      | 7,9  | 7,8  | 7,7   | 7,7  | 7,5  | 7,2  | 7    | 6,5  | 5,8  | 5    | 4,1*  |       |       |
| B-N4 65-160A-60/A | N4 65-160A-60/A | 1,5 | 2   |           |       |      |      |       |      |      | 9,3  | 9,3  | 9,2   | 9,2  | 9,1  | 8,9  | 8,6  | 8,1  | 7,5  | 6,8  | 6*    | 4,5*  |       |
| B-N4 65-200B-60/A | N4 65-200B-60/A | 2,2 | 3   |           |       |      |      |       |      |      | 12,5 | 12,4 | 12,3  | 12,2 | 12,1 | 11,7 | 11,4 | 10,8 | 10   | 9,2  | 8,3*  | 6,6*  |       |
| B-N4 65-200A-60/A | N4 65-200A-60/A | 3   | 4   |           |       |      |      |       |      |      | 14,5 | 14,4 | 14,3  | 14,2 | 14,1 | 13,9 | 13,6 | 13,1 | 12,5 | 11,8 | 11*   | 9,5*  | 8*    |
| B-N4 65-250B-60   | N4 65-250B-60   | 4   | 5,5 |           |       |      |      |       |      |      | 19   | 19   | 18,8  | 18,7 | 18,6 | 18,3 | 18   | 17,5 | 16,8 | 15,6 | 14,2* | 11,8* | 9*    |
| B-N4 65-250A-60   | N4 65-250A-60   | 5,5 | 7,5 |           |       |      |      |       |      |      | 23,2 | 23,1 | 23    | 23   | 22,8 | 22,6 | 22,4 | 21,8 | 21,2 | 20,4 | 19,2* | 17*   | 14*   |
| B-N4 65-315C-60   | N4 65-315C-60   | 5,5 | 7,5 |           |       |      |      |       |      |      | 27   | 27   | 26,5  | 26   | 26   | 25,5 | 25   | 24,5 | 23,5 | 22   | 20*   | 17*   | 13*   |
| B-N4 65-315B-60   | N4 65-315B-60   | 7,5 | 10  |           |       |      |      |       |      |      | 32   | 32   | 31,5  | 31   | 31   | 30,5 | 30   | 29,5 | 29   | 28   | 26,5* | 24*   | 20,5* |
| B-N4 65-315A-60   | N4 65-315A-60   | 11  | 15  |           |       |      |      |       |      |      | 36   | 36   | 35,5  | 35   | 35   | 34,5 | 34   | 33,5 | 33   | 32   | 31*   | 29*   | 26,5* |

Performance  $n \approx 1750$  rpm

| B-N4              | N4              | P <sub>2</sub> |     | Q<br>m³/h | 30    | 33   | 37,8 | 42   | 48   | 54   | 60   | 66   | 75   | 84   | 96   | 108   | 120   | 132   | 150  | 168  | 180  | 192  | 210  |      |
|-------------------|-----------------|----------------|-----|-----------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|
|                   |                 | kW             | HP  |           | l/min | 500  | 550  | 630  | 700  | 800  | 900  | 1000 | 1100 | 1250 | 1400 | 1600  | 1800  | 2000  | 2200 | 2500 | 2800 | 3000 | 3200 | 3500 |
|                   |                 |                |     |           |       |      |      |      |      |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |
| B-N4 80-160C-60/A | N4 80-160C-60/A | 1,1            | 1,5 | H<br>m    | 5,3   | 5,2  | 5,1  | 5    | 4,9  | 4,5  | 4,1  | 3,8  | 3    |      |      |       |       |       |      |      |      |      |      |      |
| B-N4 80-160B-60/A | N4 80-160B-60/A | 1,5            | 2   |           | 6,6   | 6,5  | 6,4  | 6,3  | 6,1  | 5,9  | 5,5  | 5,2  | 4,6  | 3,7  |      |       |       |       |      |      |      |      |      |      |
| B-N4 80-160A-60/A | N4 80-160A-60/A | 2,2            | 3   |           | 8,6   | 8,5  | 8,4  | 8,3  | 8,1  | 7,9  | 7,6  | 7,3  | 6,9  | 6,1  | 4,5  |       |       |       |      |      |      |      |      |      |
| B-N4 80-200C-60   | N4 80-200C-60   | 2,2            | 3   |           | 10,9  | 10,8 | 10,7 | 10,6 | 10,5 | 10,3 | 10   | 9,7  | 9,1  | 8,2  | 6,7  |       |       |       |      |      |      |      |      |      |
| B-N4 80-200B-60   | N4 80-200B-60   | 3              | 4   |           | 12,5  | 12,5 | 12,4 | 12,3 | 12,1 | 12   | 11,7 | 11,4 | 10,6 | 9,8  | 8,5  | 6,5*  |       |       |      |      |      |      |      |      |
| B-N4 80-200A-60   | N4 80-200A-60   | 4              | 5,5 |           | 14,2  | 14,1 | 14   | 14   | 13,9 | 13,8 | 13,5 | 13,4 | 12,8 | 12   | 11   | 9,2*  | 7,4*  |       |      |      |      |      |      |      |
| B-N4 80-250C-60   | N4 80-250C-60   | 4              | 5,5 |           | 17,4  | 17,3 | 17,1 | 17   | 16,6 | 16,1 | 15,8 | 15,2 | 14,1 | 13   | 11,3 | 9,5*  |       |       |      |      |      |      |      |      |
| B-N4 80-250B-60   | N4 80-250B-60   | 5,5            | 7,5 |           | 20,8  | 20,8 | 20,7 | 20,7 | 20,5 | 20,1 | 19,8 | 19,4 | 18,3 | 17,3 | 15,7 | 13,8* | 11,5* |       |      |      |      |      |      |      |
| B-N4 80-250A-60   | N4 80-250A-60   | 7,5            | 10  |           | 24,2  | 24,2 | 24,1 | 24   | 24   | 23,9 | 23,4 | 23   | 22   | 21,1 | 19,4 | 17,5* | 15,2* | 12,7* |      |      |      |      |      |      |
| B-N4 80-315C-60   | N4 80-315C-60   | 11             | 15  |           | 28,5  | 28,5 | 28,5 | 28   | 27,5 | 27,5 | 27   | 27   | 26   | 25   | 23   | 21*   | 18*   |       |      |      |      |      |      |      |
| B-N4 80-315B-60   | N4 80-315B-60   | 11             | 15  |           | 32,5  | 32,5 | 32,5 | 32   | 32   | 31,5 | 31,5 | 31   | 30,5 | 29,5 | 28   | 25,5* | 23*   | 21*   |      |      |      |      |      |      |
| B-N4 80-315A-60   | N4 80-315A-60   | 15             | 20  |           | 37,5  | 37,5 | 37,5 | 37   | 37   | 36,5 | 36,5 | 36   | 35,5 | 35   | 33   | 31,5* | 29,5* | 27*   |      |      |      |      |      |      |
| B-N4 80-400C-60   | N4 80-400C-60   | 18,5           | 25  |           | 49,5  | 49,5 | 49   | 49   | 48   | 47   | 46   | 44   | 41   | 37,5 | 32   | 25*   |       |       |      |      |      |      |      |      |
| B-N4 80-400B-60   | N4 80-400B-60   | 22             | 30  |           | 56,5  | 56,5 | 56   | 55,5 | 55   | 54,5 | 53   | 52   | 49,5 | 47   | 41   | 35*   | 27*   |       |      |      |      |      |      |      |
| B-N4 80-400A-60   | N4 80-400A-60   | 30             | 40  |           | 63,5  | 63,5 | 63   | 63   | 62,5 | 62   | 61   | 60   | 58   | 55,5 | 52   | 46*   | 40*   | 33,5* |      |      |      |      |      |      |

| B-N4             | N4             | P <sub>2</sub> |     | Q                 | 48   | 54   | 60   | 66   | 75   | 84   | 96   | 108  | 120  | 132  | 150   | 168   | 180   | 192   | 210   | 240  | 270  | 300  | 330  |
|------------------|----------------|----------------|-----|-------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|
|                  |                | kW             | HP  | m <sup>3</sup> /h | 800  | 900  | 1000 | 1100 | 1250 | 1400 | 1600 | 1800 | 2000 | 2200 | 2500  | 2800  | 3000  | 3200  | 3500  | 4000 | 4500 | 5000 | 5500 |
|                  |                |                |     | l/min             |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |      |      |      |      |
| B-N4 100-200C-60 | N4 100-200C-60 | 3              | 4   | H<br>m            | 9,4  | 9,4  | 9,2  | 9,1  | 8,9  | 8,5  | 8    | 7,2  | 6,4  | 5,5  | 4*    |       |       |       |       |      |      |      |      |
| B-N4 100-200B-60 | N4 100-200B-60 | 4              | 5,5 |                   | 11,7 | 11,7 | 11,6 | 11,5 | 11,4 | 11,2 | 10,8 | 10   | 9,2  | 8,3  | 6,5*  | 4,6*  |       |       |       |      |      |      |      |
| B-N4 100-200A-60 | N4 100-200A-60 | 5,5            | 7,5 |                   | 14   | 14   | 13,9 | 13,9 | 13,8 | 13,7 | 13,3 | 12,7 | 12   | 11,3 | 9,8*  | 8,2*  |       |       |       |      |      |      |      |
| B-N4 100-250B-60 | N4 100-250B-60 | 7,5            | 10  |                   | 19,4 | 19,4 | 19,3 | 19,2 | 19   | 18,6 | 18   | 17,4 | 16,5 | 15,5 | 13,8* | 11,5* | 10*   | 8,2*  | 5,5*  |      |      |      |      |
| B-N4 100-250A-60 | N4 100-250A-60 | 11             | 15  |                   | 22,4 | 22,4 | 22,2 | 22,1 | 21,9 | 21,4 | 21   | 20,4 | 19,6 | 18,8 | 17*   | 15*   | 13,3* | 11,6* | 8,8*  |      |      |      |      |
| B-N4 100-315C-60 | N4 100-315C-60 | 11             | 15  |                   | 28   | 28   | 27,9 | 27,9 | 27,5 | 27   | 26   | 25   | 23,5 | 22   | 19,5* | 15,5* | 13*   | 10*   |       |      |      |      |      |
| B-N4 100-315B-60 | N4 100-315B-60 | 15             | 20  |                   | 32,5 | 32,5 | 32,4 | 32,3 | 32   | 31,5 | 31   | 30,5 | 29,5 | 28,5 | 26*   | 22,5* | 20*   | 17,5* | 13,5* |      |      |      |      |
| B-N4 100-315A-60 | N4 100-315A-60 | 18,5           | 25  |                   | 38,5 | 38,5 | 38,3 | 38,3 | 38   | 37,9 | 37,5 | 37   | 36   | 35   | 32,5* | 30*   | 28*   | 26*   | 21*   |      |      |      |      |
| B-N4 100-400C-60 | N4 100-400C-60 | 22             | 30  |                   | 43   | 42,8 | 42,5 | 42,5 | 42   | 42   | 41   | 40   | 38,5 | 37   | 34*   | 30,5* | 28*   |       |       |      |      |      |      |
| B-N4 100-400B-60 | N4 100-400B-60 | 30             | 40  |                   | 51,5 | 51,3 | 51   | 50,8 | 50,5 | 50,3 | 50   | 49   | 48   | 46   | 44*   | 41*   | 39*   | 37*   | 33*   |      |      |      |      |
| B-N4 100-400A-60 | N4 100-400A-60 | 37             | 50  |                   | 59,5 | 59,3 | 59   | 58,8 | 58,5 | 58,3 | 58   | 57,7 | 57   | 56   | 53,5* | 51*   | 49*   | 47*   | 44*   |      |      |      |      |

| B-N4             | N4             | P <sub>2</sub> |     | Q<br>m³/h | 84    | 96   | 108  | 120  | 132  | 150  | 168  | 180  | 192  | 210  | 240   | 270   | 300   | 330   | 360  | 390   | 420   | 450   | 480   |      |
|------------------|----------------|----------------|-----|-----------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|------|
|                  |                | kW             | HP  |           | l/min | 1400 | 1600 | 1800 | 2000 | 2200 | 2500 | 2800 | 3000 | 3200 | 3500  | 4000  | 4500  | 5000  | 5500 | 6000  | 6500  | 7000  | 7500  | 8000 |
|                  |                |                |     |           |       |      |      |      |      |      |      |      |      |      |       |       |       |       |      |       |       |       |       |      |
| B-N4 125-250E-60 | N4 125-250E-60 | 5,5            | 7,5 | H<br>m    | 11,2  | 11   | 10,7 | 10,4 | 10   | 9,4  | 8,5  | 8    | 7,3  | 6,2  |       |       |       |       |      |       |       |       |       |      |
| B-N4 125-250D-60 | N4 125-250D-60 | 7,5            | 10  |           | 14    | 13,9 | 13,7 | 13,4 | 13   | 12,4 | 11,6 | 11   | 10,4 | 9,3  | 7,3*  | 5*    |       |       |      |       |       |       |       |      |
| B-N4 125-250C-60 | N4 125-250C-60 | 11             | 15  |           | 16,8  | 16,6 | 16,4 | 16,1 | 15,8 | 15,2 | 14,6 | 14   | 13,3 | 12,3 | 10,3* | 8*    | 5,4*  |       |      |       |       |       |       |      |
| B-N4 125-250B-60 | N4 125-250B-60 | 11             | 15  |           | 19,4  | 19,2 | 19   | 18,8 | 18,6 | 18   | 17,4 | 17   | 16,3 | 15,2 | 13,2* | 10,8* | 8*    |       |      |       |       |       |       |      |
| B-N4 125-250A-60 | N4 125-250A-60 | 15             | 20  |           | 23    | 22,9 | 22,8 | 22,7 | 22,5 | 22   | 21,5 | 20,9 | 20,3 | 19,2 | 17,2* | 14,9* | 12,2* | 9*    |      |       |       |       |       |      |
| B-N4 125-315C-60 | N4 125-315C-60 | 18,5           | 25  |           | 28    | 27,8 | 27,5 | 27,3 | 27   | 26,5 | 25,5 | 25   | 24   | 23   | 20*   | 17*   | 13*   |       |      |       |       |       |       |      |
| B-N4 125-315B-60 | N4 125-315B-60 | 22             | 30  |           | 32    | 31,7 | 31,5 | 31   | 30,8 | 30,5 | 29,5 | 29   | 28,5 | 27   | 25*   | 22*   | 18,5* | 14,5* |      |       |       |       |       |      |
| B-N4 125-315A-60 | N4 125-315A-60 | 30             | 40  |           | 37    | 36,7 | 36,5 | 36   | 35,8 | 35,5 | 35   | 34,5 | 34   | 32,5 | 30,5* | 28*   | 25*   | 21,5* |      |       |       |       |       |      |
| B-N4 125-400C-60 | N4 125-400C-60 | 37             | 50  |           | 45,5  | 45   | 44,8 | 44,6 | 44,5 | 44,3 | 43,5 | 43   | 42   | 40   | 36,5* | 32,5* | 28*   |       |      |       |       |       |       |      |
| B-N4 125-400B-60 | N4 125-400B-60 | 45             | 60  |           | 51,7  | 51,5 | 51,3 | 51   | 50,7 | 50   | 49,5 | 49   | 48   | 46,5 | 43,5* | 40*   | 35,5* | 31*   |      |       |       |       |       |      |
| B-N4 125-400A-60 | N4 125-400A-60 | 55             | 75  |           | 59,5  | 59,3 | 59   | 58,8 | 58,7 | 58   | 57,5 | 57   | 56,5 | 55,5 | 53*   | 50*   | 46*   | 41,5* |      |       |       |       |       |      |
| B-N4 150-315D-60 | N4 150-315D-60 | 18,5           | 25  |           |       |      |      |      | 22,8 | 22,6 | 22,3 | 22   | 21,8 | 21,2 | 20    | 18,5  | 16,7  | 14,7  | 12,4 | 10*   | 7,4*  |       |       |      |
| B-N4 150-315C-60 | N4 150-315C-60 | 22             | 30  |           |       |      |      |      | 25,8 | 25,6 | 25,4 | 25,2 | 24,9 | 24,4 | 23,2  | 21,9  | 20,2  | 18,4  | 16,2 | 14*   | 11,4* |       |       |      |
| B-N4 150-315B-60 | N4 150-315B-60 | 30             | 40  |           |       |      |      |      | 30,5 | 30,4 | 30,2 | 30,1 | 30   | 29,8 | 29    | 27,9  | 26,5  | 24,8  | 22,8 | 20,7* | 18,2* | 15,4* |       |      |
| B-N4 150-315A-60 | N4 150-315A-60 | 37             | 50  |           |       |      |      |      | 35,6 | 35,5 | 35,4 | 35,3 | 35,2 | 35   | 34,4  | 33,7  | 32,5  | 30,9  | 29   | 26,8* | 24,4* | 21,8* |       |      |
| B-N4 150-400C-60 | N4 150-400C-60 | 45             | 60  |           |       |      |      |      | 45,5 | 45   | 44,5 | 44   | 43,8 | 43,5 | 42    | 40,5  | 38,5  | 36    | 33   | 30*   | 27*   |       |       |      |
| B-N4 150-400B-60 | N4 150-400B-60 | 55             | 75  |           |       |      |      |      | 51   | 50,5 | 50   | 49,5 | 49,3 | 49   | 48    | 46,5  | 44,5  | 42,5  | 40   | 37,5* | 34,5* | 31,5* |       |      |
| B-N4 150-400A-60 | N4 150-400A-60 | 75             | 100 |           |       |      |      |      | 59   | 58,5 | 58,3 | 58   | 57,8 | 57,5 | 57    | 55,5  | 54    | 52    | 49,5 | 47*   | 44*   | 41*   | 37,5* |      |

N4 Standard construction.

B-N4 Bronze construction.

P<sub>2</sub> Rated motor power output.

H Total head in m.

\* Maximum suction lift 1-2 m.

Tolerances according to UNI EN ISO 9906:2012.

## Interchangeability of parts

| TYPE               | Bearing housing |   |   | Pump shaft |    |     |    |   | Ball bearings    |                |                |                | Shaft sealing |      |      |
|--------------------|-----------------|---|---|------------|----|-----|----|---|------------------|----------------|----------------|----------------|---------------|------|------|
|                    | 1               | 2 | 3 | I          | II | III | IV | V | 6207 Z<br>6306 Z | 6207 Z<br>3306 | 6309 Z<br>3309 | 6311 Z<br>3311 | Ø 32          | Ø 40 | Ø 50 |
| N, N4 32-125       | ●               |   |   | ●          |    |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 32-160       | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 32-200       | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 40-125       | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 40-160       | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 40-200C      | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 40-200A-AR-B | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 40-250       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 50-125       | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 50-160       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 50-200       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 50-250       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N 50M              | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 65-125E      | ●               |   |   |            | ●  |     |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 65-125A-C    | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 65-160       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 65-200       | ●               |   |   |            |    | ●   |    |   |                  | ●              |                |                | ●             |      |      |
| N, N4 65-250       |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 65-315          |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N, N4 80-160       | ●               |   |   |            |    | ●   |    |   | ●                |                |                |                | ●             |      |      |
| N, N4 80-200       |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N, N4 80-250       |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 80-315          |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 80-400          |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |
| N, N4 100-200      |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N, N4 100-250      |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 100-315         |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 100-400         |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |
| N4 125-250         |                 | ● |   |            |    |     | ●  |   |                  |                | ●              |                |               | ●    |      |
| N4 125-315         |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |
| N4 125-400         |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |
| N4 150-315         |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |
| N4 150-400         |                 |   | ● |            |    |     |    | ● |                  |                |                | ●              |               |      | ●    |

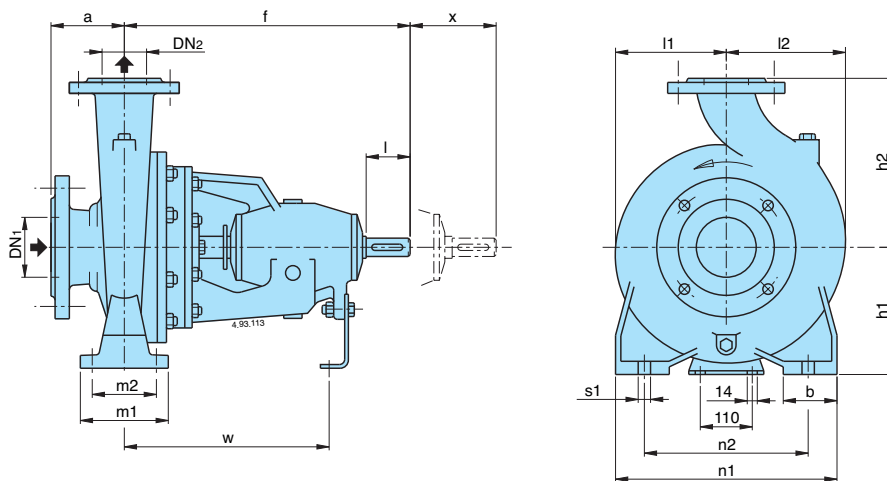
## Maximum permissible rotation speed

| 3600 rpm |        |         | 3450 rpm |        |         | 2000 rpm |         |         |
|----------|--------|---------|----------|--------|---------|----------|---------|---------|
| 32-125   | 32-160 | 32-200  |          |        |         |          |         |         |
| 40-125   | 40-160 | 40-200  |          |        | 40-250  |          |         |         |
| 50-125   | 50-160 | 50-200  |          |        | 50-25   |          |         |         |
|          |        |         |          |        | 50M     |          |         |         |
| 65-125   | 65-160 |         |          | 65-200 | 65-250  | 65-315   |         |         |
|          |        | 80-200  | 80-160   |        | 80-250  | 80-315   | 80-400  |         |
|          |        | 100-200 |          |        | 100-250 | 100-315  | 100-400 |         |
|          |        |         |          |        |         | 125-250  | 125-315 | 125-400 |
|          |        |         |          |        |         | 150-315  | 150-400 |         |

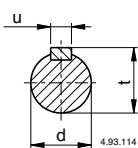
## Suction pipe: recommended minimum inside diameter (DN) for different capacities (Q)

| Threaded pipe |      | G2   | G 2 1/2 |      |     |     |     |     |     |     |
|---------------|------|------|---------|------|-----|-----|-----|-----|-----|-----|
| DN            | mm   | 50   | 65      | 80   | 100 | 125 | 150 | 200 | 250 | 300 |
| Q max         | m³/h | 10.5 | 19      | 28.8 | 45  | 75  | 108 | 215 | 350 | 508 |

### Dimensions and weights

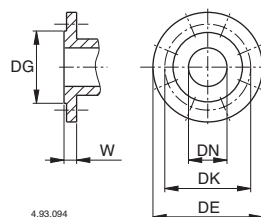


Shaft extension ISO 775 Parallel key UNI 6604



| mm    |     |    |    |
|-------|-----|----|----|
| d     | l   | u  | t  |
| 24 j6 | 50  | 8  | 27 |
| 32 k6 | 80  | 10 | 35 |
| 42 k6 | 110 | 12 | 45 |

Flanges PN 10, EN 1092-2



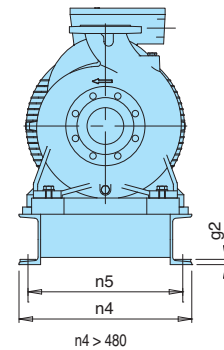
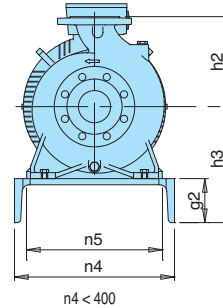
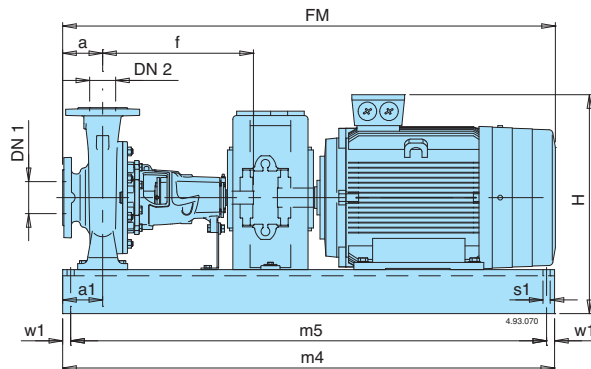
| mm  |     |     |     |       |    |    |
|-----|-----|-----|-----|-------|----|----|
| DN  | DG  | DK  | DE  | Holes |    | W  |
|     |     |     |     | N°    | Ø  |    |
| 32  | 76  | 100 | 140 | 4     | 19 | 18 |
| 40  | 84  | 110 | 150 | 4     | 19 | 18 |
| 50  | 99  | 125 | 165 | 4     | 19 | 20 |
| 65  | 118 | 145 | 185 | 4     | 19 | 20 |
| 80  | 132 | 160 | 200 | 8     | 19 | 22 |
| 100 | 156 | 180 | 220 | 8     | 19 | 24 |
| 125 | 184 | 210 | 250 | 8     | 19 | 24 |
| 150 | 211 | 240 | 285 | 8     | 23 | 26 |
| 200 | 266 | 295 | 340 | 8     | 23 | 30 |

**N** n = 3450 rpm  
**N4** n = 1750 rpm

| TYPE                      |     |     |     | mm  |     |     |     |     |     |     |     |       |      |    |    |     |     |   |      | kg  |             |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|----|----|-----|-----|---|------|-----|-------------|
|                           |     |     |     | DN1 | DN2 | a   | f   | h1  | h2  | l1  | l2  | m1    | m2   | n1 | n2 | b   | s1  | d | w    | x   | B-N<br>B-N4 |
| B-N, B-N4 - N, N4 32-125  | 50  | 32  | 80  | 360 | 112 | 140 | 93  | 97  | 100 | 70  | 190 | 140   | 50   | 14 | 24 | 260 | 100 |   | 30,7 |     |             |
| B-N, B-N4 - N, N4 32-160  |     |     |     |     | 132 | 160 | 120 | 120 |     |     | 240 | 190   |      |    |    |     |     |   | 38,2 |     |             |
| B-N, B-N4 - N, N4 32-200  |     |     |     |     | 160 | 180 | 140 | 140 |     |     |     |       |      |    |    |     |     |   | 44,8 |     |             |
| B-N, B-N4 - N, N4 40-125  | 65  | 40  | 80  | 360 | 112 | 140 | 100 | 113 | 100 | 70  | 210 | 160   | 50   | 14 | 24 | 260 | 100 |   | 34,1 |     |             |
| B-N, B-N4 - N, N4 40-160  |     |     | 132 |     | 160 | 119 | 119 | 240 |     |     | 190 | 40    |      |    |    |     |     |   |      |     |             |
| B-N, B-N4 - N, N4 40-200  |     |     | 160 |     | 180 | 140 | 140 | 265 |     |     | 212 | 48,5  |      |    |    |     |     |   |      |     |             |
| B-N, B-N4 - N, N4 40-250  |     |     | 180 |     | 225 | 175 | 175 | 320 |     |     | 250 | 65    | 62,3 |    |    |     |     |   |      |     |             |
| B-N, B-N4 - N, N4 50-125  | 65  | 50  | 100 | 360 | 132 | 160 | 121 | 137 | 100 | 70  | 240 | 190   | 50   | 14 | 24 | 260 | 100 |   | 44   |     |             |
| B-N, B-N4 - N, N4 50-160  |     |     |     |     | 160 | 180 | 127 | 141 |     |     | 265 | 212   |      |    |    |     |     |   | 45,8 |     |             |
| B-N, B-N4 - N, N4 50-200  |     |     |     |     | 160 | 200 | 140 | 153 |     |     |     |       |      |    |    |     |     |   | 52,3 |     |             |
| B-N, B-N4 - N, N4 50-250  |     |     |     |     | 180 | 225 | 175 | 175 |     |     | 320 | 250   | 65   |    |    |     |     |   | 64,4 |     |             |
| B-N, B-N4 - N, N4 50M     |     |     |     |     |     |     |     |     |     |     |     |       |      |    |    |     |     |   | 66   |     |             |
| B-N, B-N4 - N, N4 65-125  | 80  | 65  | 100 | 360 | 160 | 180 | 134 | 155 | 125 | 95  | 280 | 212   | 65   | 14 | 24 | 260 | 100 |   | 51,6 |     |             |
| B-N, B-N4 - N, N4 65-160  |     |     |     |     | 180 | 200 | 150 | 172 |     |     | 320 | 250   |      |    |    |     |     |   | 52,5 |     |             |
| B-N, B-N4 - N, N4 65-200  |     |     |     |     | 180 | 225 | 155 | 175 |     |     |     |       |      |    |    |     |     |   | 60   |     |             |
| B-N, B-N4 - N, N4 65-250  |     |     |     | 200 | 250 | 175 | 190 | 360 |     |     | 280 | 95,5  |      |    |    |     |     |   |      |     |             |
| B-N4 - N4 65-315          |     |     | 125 |     | 225 | 280 | 220 | 220 | 160 | 120 | 400 | 315   | 80   | 18 | 32 | 340 | 140 |   | 136  |     |             |
| B-N, B-N4 - N, N4 80-160  | 100 | 80  | 125 | 360 | 180 | 225 | 165 | 193 | 125 | 95  | 320 | 250   | 65   | 14 | 24 | 260 | 140 |   | 63   |     |             |
| B-N, B-N4 - N, N4 80-200  |     |     |     | 180 | 250 | 170 | 194 | 345 |     |     | 280 | 90,5  |      |    |    |     |     |   |      |     |             |
| B-N, B-N4 - N, N4 80-250  |     |     |     | 200 | 280 | 191 | 210 | 400 |     |     | 315 | 80    | 18   |    | 32 | 340 |     |   | 140  | 112 |             |
| B-N4 - N4 80-315          |     |     |     | 250 | 315 | 220 | 232 | 160 |     |     | 120 | 400   | 315  |    | 80 | 18  |     |   | 32   | 340 | 140         |
| B-N4 - N4 80-400 (1)      | 125 | 80  | 125 | 530 | 280 | 355 | 268 | 268 | 160 | 120 | 435 | 355   | 80   | 18 | 42 | 370 | 140 |   | 202  |     |             |
| B-N, B-N4 - N, N4 100-200 | 125 | 100 | 125 | 470 | 200 | 280 | 180 | 212 | 160 | 120 | 360 | 280   | 80   | 18 | 32 | 340 | 140 |   | 102  |     |             |
| B-N, B-N4 - N, N4 100-250 |     |     | 225 |     | 300 | 205 | 233 | 400 |     |     | 315 | 121,5 |      |    |    |     |     |   |      |     |             |
| B-N4 - N4 100-315         |     |     | 250 |     | 315 | 230 | 250 |     |     |     |     | 151,5 |      |    |    |     |     |   |      |     |             |
| B-N4 - N4 100-400         |     |     | 530 |     | 280 | 355 | 268 | 200 | 150 | 500 | 400 | 100   | 22   |    |    |     | 42  |   | 370  |     | 211,5       |
| B-N4 - N4 125-250         | 150 | 125 | 140 | 470 | 250 | 355 | 235 | 268 | 160 | 120 | 400 | 315   | 80   | 18 | 32 | 340 | 140 |   | 140  |     |             |
| B-N4 - N4 125-315         |     |     |     | 280 | 315 | 247 | 278 | 200 |     |     | 150 | 198   |      |    |    |     |     |   |      |     |             |
| B-N4 - N4 125-400         |     |     |     | 315 | 400 | 280 | 305 | 500 |     |     | 400 | 100   | 22   |    |    |     |     |   | 42   | 370 | 140         |
| B-N4 - N4 150-315         | 200 | 150 | 160 | 530 | 280 | 400 | 260 | 298 | 200 | 150 | 550 | 450   | 100  | 22 | 42 | 370 | 140 |   | 213  |     |             |
| B-N4 - N4 150-400         |     |     |     |     | 315 | 450 | 295 | 328 |     |     |     |       |      |    |    |     |     |   | 262  |     |             |

1) Additional size

## Dimensions



n = 3450 rpm

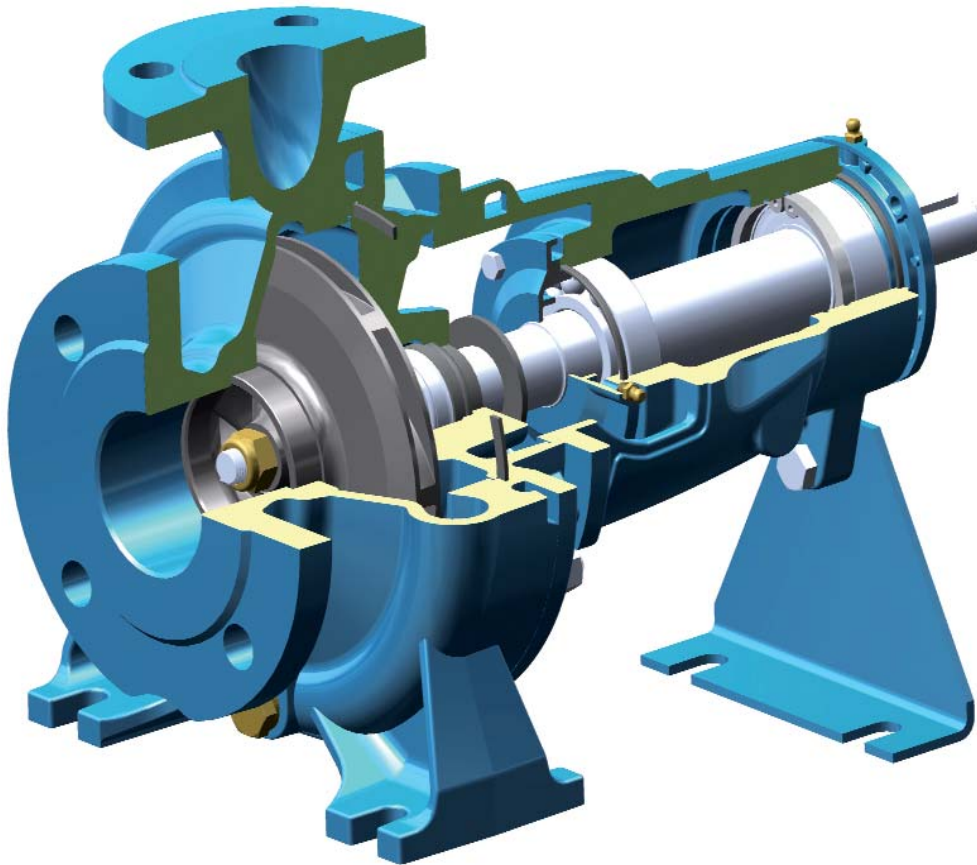
| TYPE           | MOTOR   | kW   | mm              |                 |     |     |                |                |                |                |                |                |                |                |                |                |                 |                |
|----------------|---------|------|-----------------|-----------------|-----|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|
|                |         |      | DN <sub>1</sub> | DN <sub>2</sub> | a   | f   | h <sub>3</sub> | h <sub>2</sub> | m <sub>4</sub> | m <sub>5</sub> | w <sub>1</sub> | n <sub>4</sub> | n <sub>5</sub> | a <sub>1</sub> | g <sub>2</sub> | s <sub>1</sub> | FM <sub>≈</sub> | H <sub>≈</sub> |
| B-N, N 32-125  | 71 B2   | 0,55 | 50              | 32              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 718             | 308            |
|                | 80 A2   | 0,75 | 50              | 32              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 752             | 317            |
|                | 80 B2   | 1,1  | 50              | 32              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 752             | 317            |
|                | 90 S2   | 1,5  | 50              | 32              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 325            |
| B-N, N 32-160  | 90 S2   | 1,5  | 50              | 32              | 80  | 360 | 217            | 160            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 345            |
|                | 90 L2   | 2,2  | 50              | 32              | 80  | 360 | 217            | 160            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 345            |
|                | 100 L2  | 3    | 50              | 32              | 80  | 360 | 232            | 160            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 885             | 398            |
|                | 90 L2   | 2,2  | 50              | 32              | 80  | 360 | 245            | 180            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 373            |
| B-N, N 32-200  | 100 L2  | 3    | 50              | 32              | 80  | 360 | 260            | 180            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 885             | 426            |
|                | 112 M2  | 4    | 50              | 32              | 80  | 360 | 260            | 180            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 882             | 437            |
|                | 132 SA2 | 5,5  | 50              | 32              | 80  | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 953             | 462            |
|                | 80 B2   | 1,1  | 65              | 40              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 752             | 317            |
| B-N, N 40-125  | 90 S2   | 1,5  | 65              | 40              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 325            |
|                | 90 L2   | 2,2  | 65              | 40              | 80  | 360 | 197            | 140            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 325            |
|                | 90 L2   | 2,2  | 65              | 40              | 80  | 360 | 217            | 160            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 809             | 345            |
|                | 100 L2  | 3    | 65              | 40              | 80  | 360 | 232            | 160            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 885             | 398            |
| B-N, N 40-160  | 112 M2  | 4    | 65              | 40              | 80  | 360 | 232            | 160            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 882             | 409            |
|                | 132 SA2 | 5,5  | 65              | 40              | 80  | 360 | 232            | 160            | 1020           | 990            | 15             | 350            | 290            | 90             | 100            | 14             | 953             | 434            |
| B-N, N 40-200  | 112 M2  | 4    | 65              | 40              | 100 | 360 | 260            | 180            | 880            | 850            | 15             | 300            | 240            | 100            | 100            | 14             | 902             | 437            |
|                | 132 SA2 | 5,5  | 65              | 40              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 132 SB2 | 7,5  | 65              | 40              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 160 MB2 | 11   | 65              | 40              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
| B-N, N 40-250  | 160 MB2 | 15   | 65              | 40              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
| B-N, N 50-125  | 90 L2   | 2,2  | 65              | 50              | 100 | 360 | 217            | 160            | 780            | 750            | 15             | 240            | 180            | 90             | 85             | 14             | 829             | 345            |
|                | 100 L2  | 3    | 65              | 50              | 100 | 360 | 232            | 160            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 905             | 398            |
|                | 112 M2  | 4    | 65              | 50              | 100 | 360 | 232            | 160            | 880            | 850            | 15             | 300            | 240            | 90             | 100            | 14             | 902             | 409            |
|                | 132 SA2 | 5,5  | 65              | 50              | 100 | 360 | 232            | 160            | 1020           | 990            | 15             | 350            | 290            | 90             | 100            | 14             | 973             | 434            |
| B-N, N 50-160  | 132 SA2 | 5,5  | 65              | 50              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 132 SB2 | 7,5  | 65              | 50              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
| B-N, N 50-200  | 160 MA2 | 11   | 65              | 50              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 497            |
|                | 160 MB2 | 15   | 65              | 50              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 497            |
| B-N, N 50-250  | 160 MA2 | 11   | 65              | 50              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
|                | 160 MB2 | 15   | 65              | 50              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
| B-N, N 50M     | 160 L2  | 18,5 | 65              | 50              | 100 | 360 | 280            | 225            | 1140           | 1110           | 15             | 350            | 290            | 100            | 100            | 14             | 1189            | 542            |
|                | 160 MA2 | 11   | 65              | 50              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
|                | 160 MB2 | 15   | 65              | 50              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
|                | 160 L2  | 18,5 | 65              | 50              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
| B-N, N 65-125  | 112 M2  | 4    | 80              | 65              | 100 | 360 | 260            | 180            | 880            | 850            | 15             | 300            | 240            | 100            | 100            | 14             | 902             | 437            |
|                | 132 SA2 | 5,5  | 80              | 65              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 132 SB2 | 7,5  | 80              | 65              | 100 | 360 | 260            | 180            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 132 SA2 | 5,5  | 80              | 65              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
| B-N, N 65-160  | 132 SB2 | 7,5  | 80              | 65              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 973             | 462            |
|                | 160 MA2 | 11   | 80              | 65              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 497            |
|                | 160 MB2 | 15   | 80              | 65              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 497            |
|                | 160 MB2 | 15   | 80              | 65              | 100 | 360 | 260            | 200            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 497            |
| B-N, N 65-200  | 160 MB2 | 15   | 80              | 65              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
|                | 160 L2  | 18,5 | 80              | 65              | 100 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1082            | 517            |
|                | 180 M2  | 22   | 80              | 65              | 100 | 360 | 280            | 225            | 1140           | 1110           | 15             | 350            | 290            | 100            | 100            | 14             | 1189            | 542            |
|                | 180 M2  | 22   | 80              | 65              | 100 | 470 | 310            | 250            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1299            | 572            |
| B-N, N 65-250  | 200 LA2 | 30   | 80              | 65              | 100 | 470 | 310            | 250            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1347            | 610            |
|                | 200 LB2 | 37   | 80              | 65              | 100 | 470 | 310            | 250            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1347            | 610            |
| B-N, N 80-160  | 132 SB2 | 7,5  | 100             | 80              | 125 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 998             | 482            |
|                | 160 MA2 | 11   | 100             | 80              | 125 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1107            | 517            |
|                | 160 MB2 | 15   | 100             | 80              | 125 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1107            | 517            |
|                | 160 L2  | 18,5 | 100             | 80              | 125 | 360 | 280            | 225            | 1020           | 990            | 15             | 350            | 290            | 100            | 100            | 14             | 1107            | 517            |
| B-N, N 80-200  | 180 M2  | 22   | 100             | 80              | 125 | 470 | 290            | 250            | 1230           | 1190           | 20             | 400            | 340            | 130            | 110            | 18             | 1324            | 552            |
|                | 200 LA2 | 30   | 100             | 80              | 125 | 470 | 310            | 250            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1372            | 610            |
| B-N, N 80-250  | 180 M2  | 22   | 100             | 80              | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1324            | 572            |
|                | 200 LA2 | 30   | 100             | 80              | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1372            | 610            |
| B-N, N 80-250  | 200 LB2 | 37   | 100             | 80              | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1372            | 610            |
|                | 225 M2  | 45   | 100             | 80              | 125 | 470 | 385            | 280            | 1250           | 840            | 205            | 480            | 430            | 95             | 16             | 24             | 1411            | 710            |
| B-N, N 100-200 | 250 M2  | 55   | 100             | 80              | 125 | 470 | 415            | 280            | 1250           | 840            | 205            | 480            | 430            | 95             | 16             | 24             | 1509            | 807            |
|                | 160 L2  | 18,5 | 125             | 100             | 125 | 470 | 310            | 280            | 1230           | 1190           | 20             | 400            | 340            | 130            | 110            | 18             | 1203            | 547            |
|                | 180 M2  | 22   | 125             | 100             | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1324            | 572            |
|                | 200 LA2 | 30   | 125             | 100             | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1372            | 610            |
| B-N, N 100-200 | 200 LB2 | 37   | 125             | 100             | 125 | 470 | 310            | 280            | 1360           | 1320           | 20             | 400            | 340            | 130            | 110            | 18             | 1372            | 610            |
|                | 225 M2  | 45   | 125             | 100             | 125 | 470 | 385            | 280            | 1250           | 840            | 205            | 480            | 430            | 95             | 16             | 24             | 1411            | 710            |
| B-N, N 100-250 | 250 M2  | 55   | 125             | 100             | 140 | 470 | 415            | 280            | 1250           | 840            | 205            | 480            | 430            | 95             | 16             | 24             | 1524            | 807            |
|                | 280 S2  | 75   | 125             | 100             | 140 | 470 | 505            | 280            | 1400           | 940            | 230            | 510            | 450            | 95             | 17,5           | 24             | 1597            | 937            |

### Dimensions

n = 1750 rpm

| TYPE             | MOTOR   | kW   | mm              |                 |     |     |     |     |      |      |     |     |     |     |     |    |      |     |
|------------------|---------|------|-----------------|-----------------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|----|------|-----|
|                  |         |      | DN <sub>1</sub> | DN <sub>2</sub> | a   | f   | h3  | h2  | m4   | m5   | w1  | n4  | n5  | a1  | g2  | s1 | fM≈  | H ≈ |
| B-N4, N4 32-125  | 71 A4   | 0,25 | 50              | 32              | 80  | 360 | 197 | 140 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 718  | 308 |
| B-N4, N4 32-160  | 71 B4   | 0,37 | 50              | 32              | 80  | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 718  | 328 |
| B-N4, N4 32-200  | 80 A4   | 0,55 | 50              | 32              | 80  | 360 | 245 | 180 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 752  | 365 |
|                  | 80 B4   | 0,75 | 50              | 32              | 80  | 360 | 245 | 180 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 752  | 365 |
| B-N4, N4 40-125  | 71 A4   | 0,25 | 65              | 40              | 80  | 360 | 197 | 140 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 718  | 308 |
|                  | 71 B4   | 0,37 | 65              | 40              | 80  | 360 | 197 | 140 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 718  | 308 |
| B-N4, N4 40-160  | 71 B4   | 0,37 | 65              | 40              | 80  | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 718  | 328 |
|                  | 80 A4   | 0,55 | 65              | 40              | 80  | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 752  | 337 |
|                  | 80 B4   | 0,75 | 65              | 40              | 80  | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 752  | 337 |
| B-N4, N4 40-200  | 90 S4   | 1,1  | 65              | 40              | 100 | 360 | 260 | 180 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
| B-N4, N4 40-250  | 90 L4   | 1,5  | 65              | 40              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 829  | 408 |
|                  | 100 LA4 | 2,2  | 65              | 40              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
|                  | 100 LB4 | 3    | 65              | 40              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
| B-N4, N4 50-125  | 71 B4   | 0,37 | 65              | 50              | 100 | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 738  | 328 |
|                  | 80 A4   | 0,55 | 65              | 50              | 100 | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 772  | 337 |
|                  | 80 B4   | 0,75 | 65              | 50              | 100 | 360 | 217 | 160 | 780  | 750  | 15  | 240 | 180 | 90  | 85  | 14 | 772  | 337 |
| B-N4, N4 50-160  | 90 S4   | 1,1  | 65              | 50              | 100 | 360 | 260 | 180 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
| B-N4, N4 50-200  | 90 S4   | 1,1  | 65              | 50              | 100 | 360 | 260 | 200 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
|                  | 90 L4   | 1,5  | 65              | 50              | 100 | 360 | 260 | 200 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
|                  | 100 LA4 | 2,2  | 65              | 50              | 100 | 360 | 260 | 200 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 905  | 426 |
| B-N4, N4 50-250  | 100 LA4 | 2,2  | 65              | 50              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
|                  | 100 LB4 | 3    | 65              | 50              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
|                  | 112 M4  | 4    | 65              | 50              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 902  | 457 |
| B-N4, N4 65-125  | 80 B4   | 0,75 | 80              | 65              | 100 | 360 | 260 | 180 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 772  | 380 |
|                  | 90 S4   | 1,1  | 80              | 65              | 100 | 360 | 260 | 180 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
| B-N4, N4 65-160  | 90 S4   | 1,1  | 80              | 65              | 100 | 360 | 260 | 200 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
|                  | 90 L4   | 1,5  | 80              | 65              | 100 | 360 | 260 | 200 | 880  | 850  | 15  | 300 | 240 | 100 | 100 | 14 | 829  | 388 |
| B-N4, N4 65-200  | 100 LA4 | 2,2  | 80              | 65              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
|                  | 100 LB4 | 3    | 80              | 65              | 100 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 905  | 446 |
| B-N4, N4 65-250  | 112 M4  | 4    | 80              | 65              | 100 | 470 | 310 | 250 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1012 | 487 |
|                  | 132 S4  | 5,5  | 80              | 65              | 100 | 470 | 310 | 250 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1055 | 512 |
| B-N4, N4 65-315  | 132 S4  | 5,5  | 80              | 65              | 125 | 470 | 335 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1080 | 537 |
|                  | 132 MA4 | 7,5  | 80              | 65              | 125 | 470 | 335 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1080 | 537 |
|                  | 160 M4  | 11   | 80              | 65              | 125 | 470 | 335 | 280 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1203 | 572 |
| B-N4, N4 80-160  | 90 S4   | 1,1  | 100             | 80              | 125 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 854  | 408 |
|                  | 90 L4   | 1,5  | 100             | 80              | 125 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 854  | 408 |
|                  | 100 LA4 | 2,2  | 100             | 80              | 125 | 360 | 280 | 225 | 880  | 850  | 15  | 350 | 290 | 100 | 100 | 14 | 930  | 446 |
| B-N4, N4 80-200  | 100 LA4 | 2,2  | 100             | 80              | 125 | 470 | 280 | 250 | 1020 | 990  | 15  | 350 | 290 | 100 | 100 | 14 | 1040 | 446 |
|                  | 100 LB4 | 3    | 100             | 80              | 125 | 470 | 280 | 250 | 1020 | 990  | 15  | 350 | 290 | 100 | 100 | 14 | 1040 | 446 |
|                  | 112 M4  | 4    | 100             | 80              | 125 | 470 | 280 | 250 | 1020 | 990  | 15  | 350 | 290 | 100 | 100 | 14 | 1037 | 457 |
| B-N4, N4 80-250  | 112 M4  | 4    | 100             | 80              | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1037 | 487 |
|                  | 132 S4  | 5,5  | 100             | 80              | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1080 | 512 |
|                  | 132 MA4 | 7,5  | 100             | 80              | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1080 | 512 |
| B-N4, N4 80-315  | 160 M4  | 11   | 100             | 80              | 125 | 470 | 360 | 315 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1203 | 597 |
|                  | 160 L4  | 15   | 100             | 80              | 125 | 470 | 360 | 315 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1203 | 597 |
| B-N4, N4 80-400  | 180 M4  | 18,5 | 125             | 80              | 125 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1352 | 707 |
|                  | 180 L4  | 22   | 125             | 80              | 125 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1352 | 707 |
|                  | 200 L4  | 30   | 125             | 80              | 125 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 110 | 16  | 24 | 1402 | 745 |
| B-N4, N4 100-200 | 100 LB4 | 3    | 125             | 100             | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1040 | 476 |
|                  | 112 M4  | 4    | 125             | 100             | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1037 | 487 |
|                  | 132 S4  | 5,5  | 125             | 100             | 125 | 470 | 310 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1080 | 512 |
| B-N4, N4 100-250 | 132 MA4 | 7,5  | 125             | 100             | 140 | 470 | 335 | 280 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1095 | 537 |
|                  | 160 M4  | 11   | 125             | 100             | 140 | 470 | 335 | 280 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1218 | 572 |
| B-N4, N4 100-315 | 160 M4  | 11   | 125             | 100             | 140 | 470 | 360 | 315 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1218 | 597 |
|                  | 160 L4  | 15   | 125             | 100             | 140 | 470 | 360 | 315 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1218 | 597 |
|                  | 180 M4  | 18,5 | 125             | 100             | 140 | 470 | 360 | 315 | 1360 | 1320 | 20  | 400 | 340 | 130 | 110 | 18 | 1339 | 622 |
| B-N4, N4 100-400 | 180 L4  | 22   | 125             | 100             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1367 | 707 |
|                  | 200 L4  | 30   | 125             | 100             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1417 | 745 |
|                  | 225 S4  | 37   | 125             | 100             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1463 | 770 |
| B-N4, N4 125-250 | 132 S4  | 5,5  | 150             | 125             | 140 | 470 | 360 | 355 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1095 | 562 |
|                  | 132 MA4 | 7,5  | 150             | 125             | 140 | 470 | 360 | 355 | 1030 | 990  | 20  | 400 | 340 | 130 | 110 | 18 | 1095 | 562 |
|                  | 160 M4  | 11   | 150             | 125             | 140 | 470 | 360 | 355 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1218 | 597 |
|                  | 160 L4  | 15   | 150             | 125             | 140 | 470 | 360 | 355 | 1230 | 1190 | 20  | 400 | 340 | 130 | 110 | 18 | 1218 | 597 |
| B-N4, N4 125-315 | 180 M4  | 18,5 | 150             | 125             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1367 | 707 |
|                  | 180 L4  | 22   | 150             | 125             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1367 | 707 |
|                  | 200 L4  | 30   | 150             | 125             | 140 | 530 | 445 | 355 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1417 | 745 |
| B-N4, N4 125-400 | 225 S4  | 37   | 150             | 125             | 140 | 530 | 480 | 400 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1463 | 805 |
|                  | 225 M4  | 45   | 150             | 125             | 140 | 530 | 480 | 400 | 1250 | 840  | 205 | 480 | 430 | 115 | 16  | 24 | 1463 | 805 |
|                  | 250 M4  | 55   | 150             | 125             | 140 | 530 | 540 | 400 | 1400 | 940  | 230 | 510 | 45  |     |     |    |      |     |

## Features



### Cutting edge hydraulics

The geometry of the impeller and the pump casing are optimized to achieve maximum efficiency and the best suction capability.

### Flexibility

The option to choose between cast iron and bronze materials for the hydraulic parts in contact with the pumped liquid allows N-N4 series pumps to be selected for use with different types of liquids.

### Robustness

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress. Also the casing cover is provided with wings that prevent turbulence in the area of the mechanical seal, increasing the reliability.

### Reliability

The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.