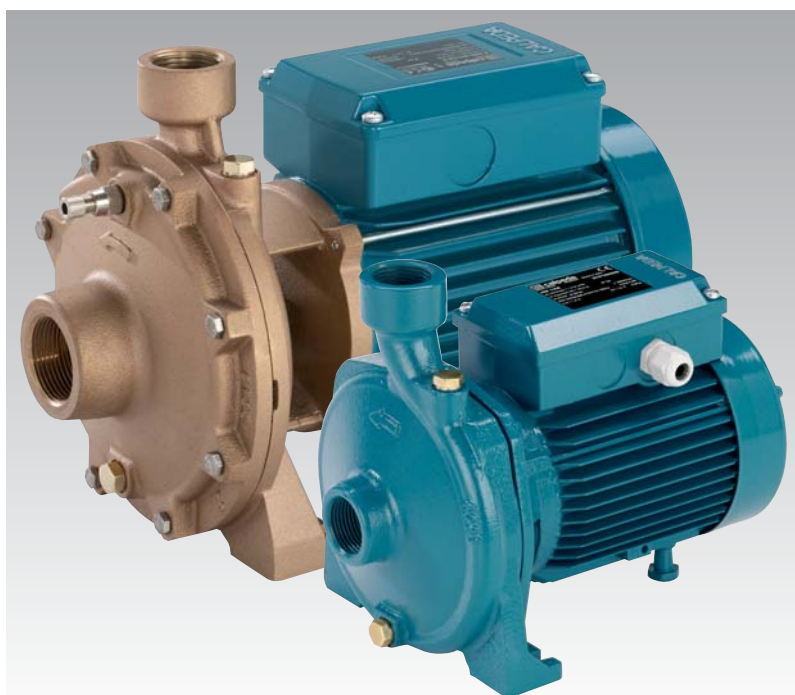


09/2016



water passion



The electropumps NM, B-NM series comply with the European Regulation no. 547/2012.

### Materials

| Components      | NM, NMD                                                        | B-NM, B-NMD                  |
|-----------------|----------------------------------------------------------------|------------------------------|
| Pump casing     | Cast iron                                                      | Bronze                       |
| Lantern bracket | GJL 200 EN 1561                                                | G-Cu Sn 10 EN 1982           |
| Impeller        | Brass P- Cu Zn 40 Pb 2 UNI 5705                                |                              |
| NM 17           | Cast iron<br>GJL 200 EN 1561                                   | Bronze<br>G-Cu Sn 10 EN 1982 |
| Shaft           | Cr steel AISI 430<br>Cr Ni steel AISI 303<br>1,1 -1,5 - 2,2 kW | Cr Ni Mo steel<br>AISI 316   |
| Mechanical seal | Carbon - Ceramic - NBR                                         |                              |

### Construction

Close-coupled, centrifugal pumps; electric motor with extended shaft directly connected to the pump.

**NM:** single-impeller

**NMD:** with two back-to-back impellers (with axial thrust balancing).

**Connections:** threaded ports ISO 228/1 (BS 2779).

NM, NMD: version with pump casing and lantern bracket in cast iron.

B-NM, B-NMD: version with pump casing and lantern bracket in bronze.  
(the pumps are supplied fully painted).

### Applications

For clean liquids without abrasives, which are non-aggressive for the pump materials (solids content up to 0.2%).

For water supply.

For heating, air-conditioning, cooling and circulation plants.

For civil and industrial applications.

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  
(16 bar for pumps NMD 25/190; NMD 32/210; NMD 40/180).

Continuous duty.

### Motor

2-pole induction motor, 50 Hz ( $n \approx 2900$  rpm).

**NM, NMD:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;

400/690 V  $\pm 10\%$  from 4 to 9,2 kW;

**NMM, NMDM:** single-phase 230 V  $\pm 10\%$ , with thermal protector.

Insulation class F. Protection IP 54.

Motor suitable for operation with frequency converter from 2,2 kW.

**Classification scheme IE2 for three-phase motors from 0,75 kW to 5,5 kW, IE3 from 7,5 kW.**

Constructed in accordance with EN 60034-1; EN 60034-30.

EN 60335-1, EN 60335-2-41.

### Special features on request

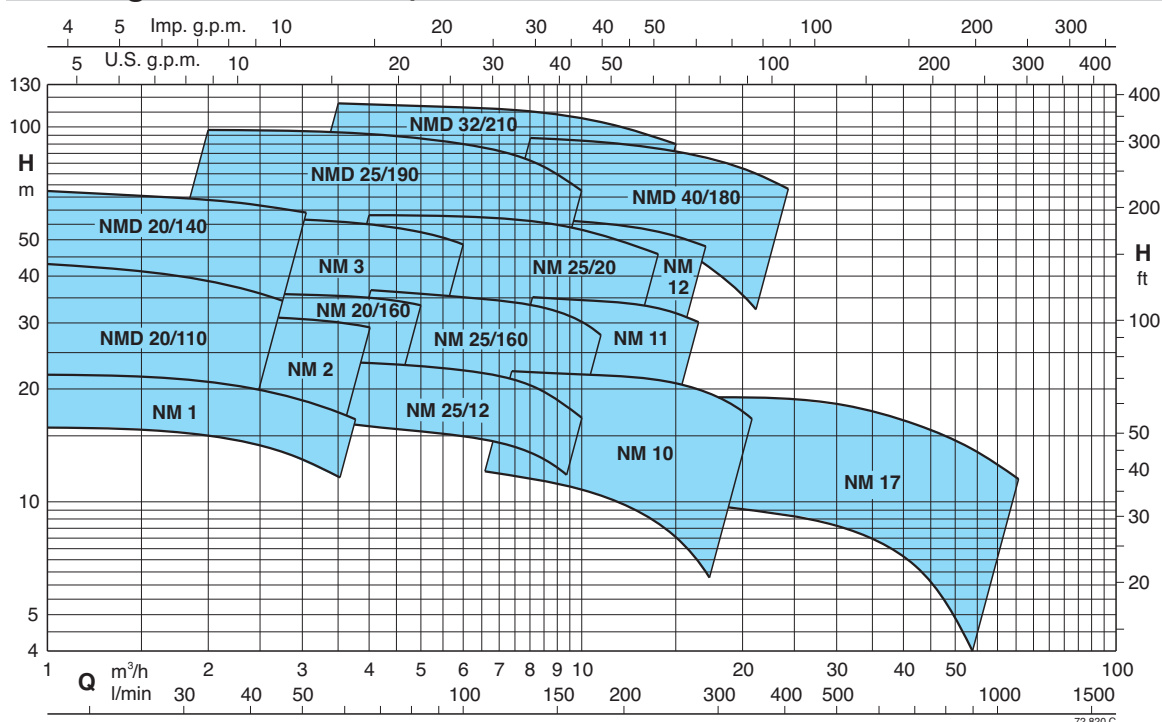
- Other voltages. - Frequency 60 Hz (as per 60 Hz data sheet).

- Protection IP 55. - Special mechanical seal

- Higher or lower liquid or ambient temperatures.

- Motor suitable for operation with frequency converter up to 1,5 kW.

### Coverage chart $n \approx 2900$ rpm



### Performance $n \approx 2900$ rpm

|  | NM        | P <sub>2</sub> |      | Q<br>m³/h | 1    | 1,2  | 1,5  | 1,89 | 2,4  | 3    | 3,6  | 4,2  | 4,8  | 5,4  | 6    | 6,6  | 7,5  | 8,4  |
|--|-----------|----------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  |           | kW             | HP   |           | 16   | 20   | 25   | 31,5 | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 125  | 140  |
|  |           |                |      | l/min     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|  | NM 1/AE●  | 0,37           | 0,5  | H<br>m    | 22   | 21,6 | 21,3 | 20,9 | 20,3 | 19,4 | 18,1 | 16,3 |      |      |      |      |      |      |
|  | NM 2/B/A● | 0,55           | 0,75 |           | 27   | 26,5 | 26   | 25,5 | 25   | 24   | 23   | 22   | 20   |      |      |      |      |      |
|  | NM 2/S/A● | 0,55           | 0,75 |           | 31   | 30,5 | 30   | 29   | 27,5 | 25,5 | 23,5 | 20   | 16   |      |      |      |      |      |
|  | NM 2/A/A● | 0,75           | 1    |           | 33,5 | 33   | 32,5 | 32   | 31,5 | 30,5 | 29,5 | 28,5 | 27   | 26   | 24   |      |      |      |
|  | NMM 3/CE  | 1,1            | 1,5  |           |      | 37,5 | 37,5 | 37   | 36,5 | 36   | 35   | 34   | 32   |      |      |      |      |      |
|  | NM 3/CE   | 1,1            | 1,5  |           |      | 37,5 | 37,5 | 37   | 36,5 | 36   | 35   | 34   | 32   | 30,5 | 28,5 |      |      |      |
|  | NMM 3/BE  | 1,5            | 2    |           |      | 42   | 42   | 41,5 | 41   | 40,5 | 40   | 39   | 37   | 35   | 32   |      |      |      |
|  | NM 3/BE   | 1,5            | 2    |           |      | 47   | 47   | 46,5 | 46   | 45,5 | 45   | 44   | 43   | 41,5 | 40   | 37,5 | 33   | 26   |
|  | NMM 3/A/A | 1,8            | 2,5  |           |      | 47,5 | 47,5 | 47   | 46,5 | 46   | 45,5 | 44,5 | 43,5 | 42   | 40,5 | 38   | 33,5 | 26,5 |
|  | NM 3/A/A  | 2,2            | 3    |           |      | 56   | 55,5 | 55,5 | 55   | 54,5 | 53,5 | 52,5 | 51,5 | 50   | 48   | 46   | 42   | 36   |

| B-NM<br>B-NMD    | NM<br>NMD      | P <sub>2</sub> |      | Q<br>m³/h | 1    | 1,2  | 1,5  | 1,89 | 2,4  | 3    | 3,6  | 4,2  | 4,8  | 5,4  | 6   | 6,6 | 7,5 | 8,4 |
|------------------|----------------|----------------|------|-----------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
|                  |                | kW             | HP   |           | 16   | 20   | 25   | 31,5 | 40   | 50   | 60   | 70   | 80   | 90   | 100 | 110 | 125 | 140 |
|                  |                |                |      | l/min     |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| B-NMD 20/110B/A● | NMD 20/110B/A● | 0,45           | 0,6  | H<br>m    | 33   | 32   | 31   | 29   | 26,5 | 23   | 18   |      |      |      |     |     |     |     |
| B-NMD 20/110Z/A● | NMD 20/110Z/A● | 0,55           | 0,75 |           | 37   | 36   | 35   | 33   | 30,5 | 27,5 | 23   | 18   |      |      |     |     |     |     |
| B-NMD 20/110A/A● | NMD 20/110A/A● | 0,75           | 1    |           | 43   | 42   | 40,5 | 39   | 36,5 | 33   | 29   | 25   |      |      |     |     |     |     |
| B-NMDM 20/140BE  | NMDM 20/140BE  | 1,1            | 1,5  |           | 52   | 51,5 | 51   | 50   | 48,5 | 47   | 45   |      |      |      |     |     |     |     |
| B-NMD 20/140BE   | NMD 20/140BE   | 1,1            | 1,5  |           | 53   | 52,5 | 52   | 51   | 50   | 48   | 46   | 43,5 | 40   |      |     |     |     |     |
| B-NMDM 20/140AE  | NMDM 20/140AE  | 1,5            | 2    |           | 57,5 | 57   | 56,5 | 55,5 | 54   | 51,5 | 49   | 46   | 43   | 40   | 36  |     |     |     |
| B-NMD 20/140AE   | NMD 20/140AE   | 1,5            | 2    |           | 67   | 66,5 | 66   | 64,5 | 63   | 61,5 | 59   | 57   | 53,5 | 50   | 46  |     |     |     |
| B-NM 20/160BE●   | NM 20/160BE●   | 0,75           | 1    |           |      |      |      | 30,5 | 30   | 29,5 | 28,5 | 27,5 | 26,5 | 25,5 | 24  | 22  |     |     |
| B-NM 20/160AE●   | NM 20/160AE●   | 1,1            | 1,5  |           |      |      |      | 36   | 35,5 | 35   | 34,5 | 33,5 | 32   | 30,5 | 29  | 27  |     |     |

| B-NM<br>B-NMD   | NM<br>NMD     | P <sub>2</sub> |      | Q<br>m³/h | 2,4  | 3    | 3,6  | 4,8  | 6    | 6,6  | 7,5  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 15   | 16,8 | 18   |
|-----------------|---------------|----------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 |               | kW             | HP   |           | 40   | 50   | 60   | 80   | 100  | 110  | 125  | 140  | 160  | 180  | 200  | 220  | 250  | 280  | 300  |
|                 |               |                |      | l/min     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| B-NM 25/12B/A●  | NM 25/12B/A●  | 0,55           | 0,75 | H<br>m    | 20   | 19,9 | 19,8 | 19,3 | 18,5 | 18   | 17,3 | 16,3 | 15   | 13,2 | 11   |      |      |      |      |
| B-NM 25/12A/A●  | NM 25/12A/A●  | 0,75           | 1    |           | 23,5 | 23,4 | 23,3 | 22,9 | 22,1 | 21,7 | 20,9 | 20   | 18,7 | 17,1 | 15,2 |      |      |      |      |
| B-NM 25/160BE●  | NM 25/160BE●  | 1,1            | 1,5  |           |      | 31   | 30,7 | 30   | 28,5 | 28   | 27   | 26   | 23   |      |      |      |      |      |      |
| B-NM 25/160AE●  | NM 25/160AE●  | 1,5            | 2    |           |      | 36,5 | 36,2 | 35,5 | 34,5 | 34   | 33,5 | 32,5 | 31   | 28,5 | 26   |      |      |      |      |
| B-NM 25/200B/B  | NM 25/20B/B   | 2,2            | 3    |           |      | 42,6 | 42,3 | 41,8 | 41,1 | 40,7 | 40,2 | 39,6 | 38,6 | 37,6 | 36,3 | 34,7 |      |      |      |
| B-NM 25/200A/B  | NM 25/20A/B   | 3              | 4    |           |      | 50,3 | 50,2 | 49,8 | 49,3 | 49   | 48,6 | 48,1 | 47,3 | 46,5 | 45,5 | 44,3 | 42,1 | 38,9 |      |
| B-NM 25/200S/B  | NM 25/20S/B   | 4              | 5,5  |           |      | 57,8 | 57,7 | 57,4 | 57,2 | 57   | 56,7 | 56,4 | 55,8 | 55,2 | 54,3 | 53,3 | 51,2 | 48,2 | 45,6 |
| B-NMD 25/190C/A | NMD 25/190C/A | 2,2            | 3    |           | 62   | 60,5 | 59   | 55,5 | 51   | 48,5 | 44   | 38   |      |      |      |      |      |      |      |
| B-NMD 25/190B/A | NMD 25/190B/A | 3              | 4    |           | 76   | 75   | 74   | 70   | 66   | 64   | 60   | 54   | 46   |      |      |      |      |      |      |
| B-NMD 25/190A/A | NMD 25/190A/A | 4              | 5,5  |           | 98   | 97   | 96   | 93,5 | 90   | 88   | 84   | 79   | 70   |      |      |      |      |      |      |

|  | NM        | P <sub>2</sub> |      | Q<br>m³/h | 6,6  | 7,5  | 8,4  | 9,6  | 10,8 | 12   | 13,2 | 15   | 16,8  | 18,9 | 21   | 24  | 27  | 30  |
|--|-----------|----------------|------|-----------|------|------|------|------|------|------|------|------|-------|------|------|-----|-----|-----|
|  |           | kW             | HP   |           | 110  | 125  | 140  | 160  | 180  | 200  | 220  | 250  | 280   | 315  | 350  | 400 | 450 | 500 |
|  |           |                |      | l/min     |      |      |      |      |      |      |      |      |       |      |      |     |     |     |
|  | NM 10/FE● | 0,55           | 0,75 | H<br>m    | 12,5 | 12,5 | 12   | 11,5 | 11   | 10   | 9    | 7,5  |       |      |      |     |     |     |
|  | NM 10/DE● | 0,75           | 1    |           | 18   | 18   | 17,5 | 17   | 16,5 | 16   | 15,5 | 14   |       |      |      |     |     |     |
|  | NM 10/AE● | 1,1            | 1,5  |           | 23   | 23   | 22,5 | 22   | 21,5 | 21   | 20,5 | 19   |       |      |      |     |     |     |
|  | NM 10/SE● | 1,5            | 2    |           | 23,5 | 23,5 | 23   | 22,5 | 22   | 21,5 | 21   | 20,5 |       | 18,5 | 16,5 | 13  |     |     |
|  | NMM 11/BE | 1,5            | 2    |           | 26,5 | 25,5 | 25   | 24   | 23   | 22,5 | 21,5 | 19,5 | 17,5  |      |      |     |     |     |
|  | NM 11/BE  | 1,5            | 2    |           | 29,5 | 29,5 | 29   | 28,5 | 27,5 | 27   | 26   | 25*  | 22,5* |      |      |     |     |     |
|  | NMM 11/A  | 1,8            | 2,5  |           | 30,2 | 30,1 | 29,8 | 29,4 | 28,8 | 28,1 | 27,4 | 26   | 24,5  |      |      |     |     |     |
|  | NM 11/A/A | 2,2            | 3    |           | 35,5 | 35,5 | 35   | 34,5 | 34   | 33,5 | 33   | 32*  | 30*   |      |      |     |     |     |
|  | NM 12/D/A | 2,2            | 3    |           | 38   | 37,5 | 37   | 36   | 35   | 33,5 | 32   |      |       |      |      |     |     |     |
|  | NM 12/C/A | 3              | 4    |           | 45   | 44,5 | 44   | 43,5 | 42,5 | 41   | 40   | 38   | 36    |      |      |     |     |     |
|  | NM 12/A/A | 4              | 5,5  |           | 57,5 | 57   | 56   | 55,5 | 55   | 54,5 | 53,5 | 51,5 | 49    |      |      |     |     |     |

### Performance $n \approx 2900$ rpm

1

| B-NMD           | NMD           | P <sub>2</sub> |      | Q<br>m³/h<br>l/min | 5,4 | 6   | 6,6  | 7,5 | 8,4  | 9,6 | 10,8 | 12   | 13,2 | 15  | 16,8 | 18,9 | 21  | 24  |
|-----------------|---------------|----------------|------|--------------------|-----|-----|------|-----|------|-----|------|------|------|-----|------|------|-----|-----|
|                 |               | kW             | HP   |                    | 90  | 100 | 110  | 125 | 140  | 160 | 180  | 200  | 220  | 250 | 280  | 315  | 350 | 400 |
| B-NMD 32/210D/A | NMD 32/210D/A | 4              | 5,5  | H<br>m             | 71  | 69  | 67,5 | 65  | 62,5 | 58  | 53   | 46   | 37*  |     |      |      |     |     |
| B-NMD 32/210C/A | NMD 32/210C/A | 5,5            | 7,5  |                    | 84  | 83  | 82   | 81  | 79   | 76  | 73   | 69   | 64*  | 54* |      |      |     |     |
| B-NMD 32/210B/A | NMD 32/210B/A | 7,5            | 10   |                    | 104 | 103 | 102  | 100 | 98   | 95  | 92   | 88   | 84*  | 76* |      |      |     |     |
| B-NMD 32/210A/B | NMD 32/210A/B | 9,2            | 12,5 |                    | 114 | 113 | 112  | 110 | 108  | 105 | 103  | 99   | 96*  | 90* |      |      |     |     |
| B-NMD 40/180D/A | NMD 40/180D/A | 4              | 5,5  |                    |     |     |      | 60  | 59,5 | 57  | 56   | 53   | 51,5 | 48  | 44   | 39   | 34* | 25* |
| B-NMD 40/180C/A | NMD 40/180C/A | 5,5            | 7,5  |                    |     |     |      | 69  | 68   | 67  | 66   | 64,5 | 63   | 60  | 57   | 53   | 48* | 40* |
| B-NMD 40/180B/A | NMD 40/180B/A | 7,5            | 10   |                    |     |     |      | 87  | 86   | 85  | 84   | 82,5 | 81   | 78  | 75   | 71   | 66* | 59* |
| B-NMD 40/180A/B | NMD 40/180A/B | 9,2            | 12,5 |                    |     |     |      | 94  | 93   | 92  | 91   | 89,5 | 88   | 85  | 82   | 78   | 74* | 67* |

| B-NM        | NM        | P <sub>2</sub> |     | Q<br>m³/h<br>l/min | 21  | 24   | 27   | 30   | 33   | 37,8 | 42   | 48   | 54    | 60   | 66    | 75   | 84   | 96   |
|-------------|-----------|----------------|-----|--------------------|-----|------|------|------|------|------|------|------|-------|------|-------|------|------|------|
|             |           | kW             | HP  |                    | 350 | 400  | 450  | 500  | 550  | 630  | 700  | 800  | 900   | 1000 | 1100  | 1250 | 1400 | 1600 |
| B-NM 17/HE● | NM 17/HE● | 1,1            | 1,5 | H<br>m             | 9,5 | 9,2  | 9    | 8,6  | 8,2  | 7,5  | 6,7  | 5,5  | 3,5*  |      |       |      |      |      |
| B-NM 17/GE● | NM 17/GE● | 1,5            | 2   |                    | 12  | 11,7 | 11,5 | 11,2 | 11   | 10,3 | 9,7  | 8,5  | 7*    | 4*   |       |      |      |      |
| B-NM 17/F/A | NM 17/F/A | 2,2            | 3   |                    |     | 16   | 16   | 15,5 | 15   | 14,5 | 14   | 13   | 11,5* | 10*  | 8*    |      |      |      |
| B-NM 17/D/A | NM 17/D/A | 3              | 4   |                    |     |      | 18   | 18   | 17,5 | 17   | 16,5 | 15,5 | 14*   | 13*  | 11,5* |      |      |      |

**NM, NMD** Standard construction.  
**B-NM, B-NMD** Bronze construction.

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

● With single-phase motor = NMM - NMDM.  
\* Maximum suction lift 1-2 m.  
Tolerances according to UNI EN ISO 9906:2012

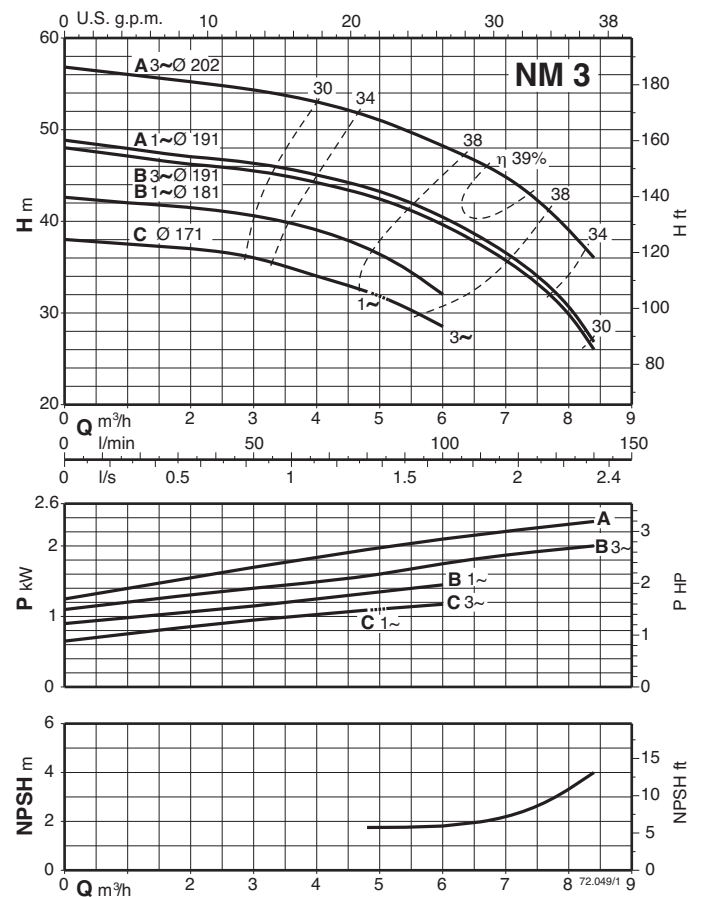
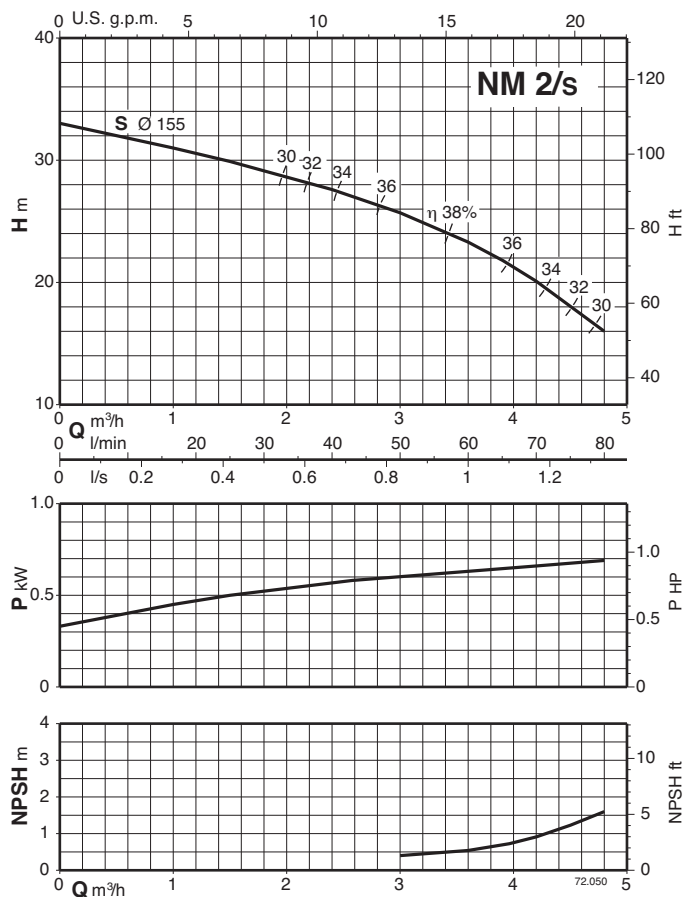
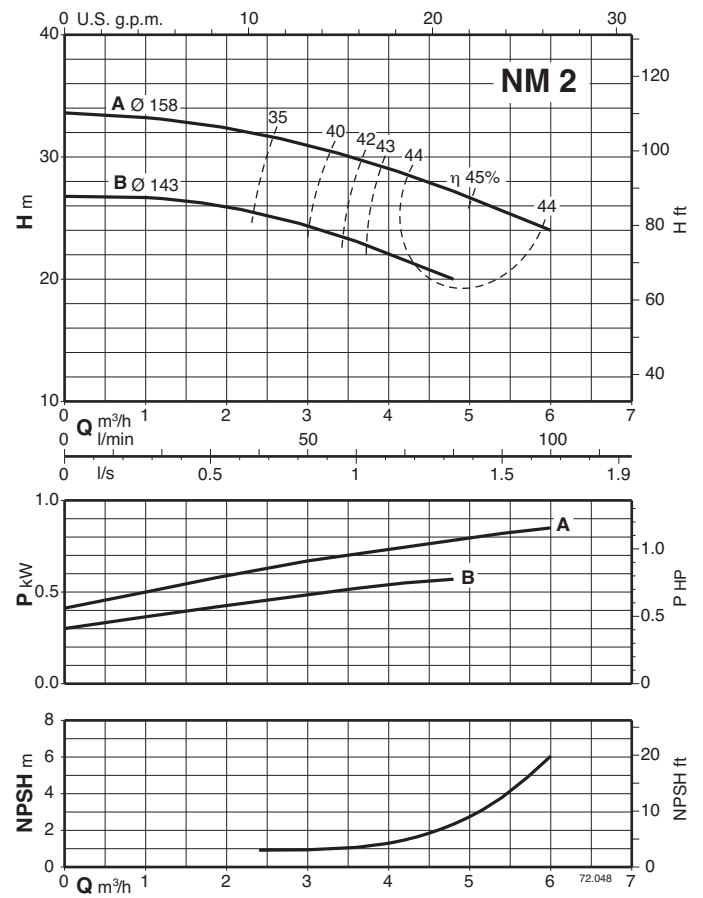
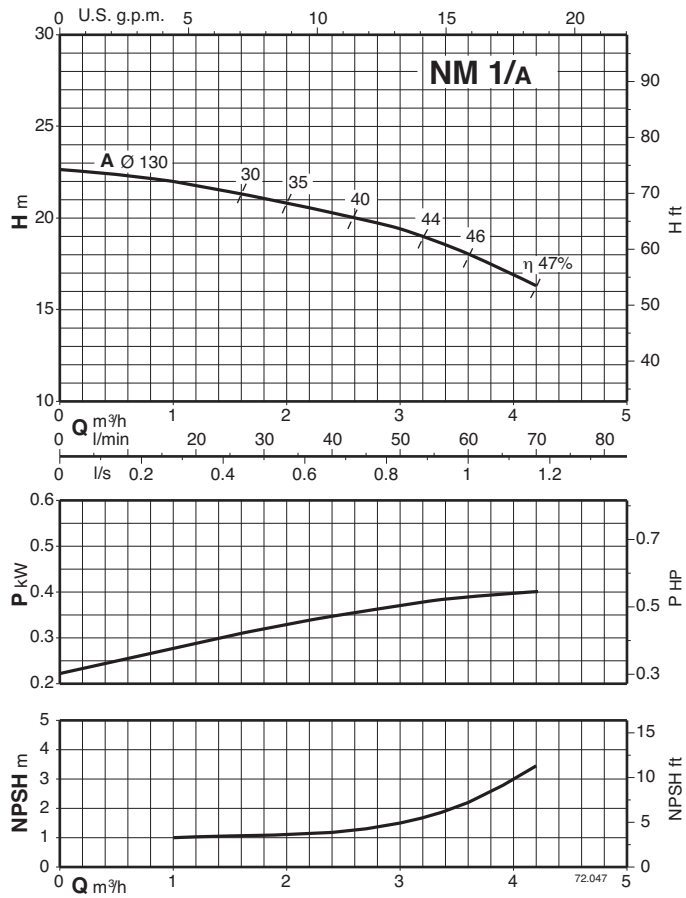
### Rated currents

|                | P <sub>2</sub> |      |      | 230 V<br>1~<br>IN A | IA/IN |
|----------------|----------------|------|------|---------------------|-------|
|                | kW             | kW   | HP   |                     |       |
|                | 0,62           | 0,37 | 0,5  | 3                   | 2,7   |
|                | 0,72           | 0,45 | 0,6  | 3,6                 | 2,9   |
|                | 1              | 0,55 | 0,75 | 4,5                 | 2,3   |
| * NMM 25/12B/A | 0,9            | 0,55 | 0,75 | 4,2                 | 2,5   |
| * NMM 10/FE    | 0,9            | 0,55 | 0,75 | 4,2                 | 2,5   |
|                | 1,3            | 0,75 | 1    | 6                   | 3     |
| * NMM 25/12A/A | 1,2            | 0,75 | 1    | 5,4                 | 3,3   |
| * NMm 10/DE    | 1,2            | 0,75 | 1    | 5,8                 | 2,6   |
|                | 1,6            | 1,1  | 1,5  | 7,4                 | 3     |
|                | 2              | 1,5  | 2    | 9,2                 | 3,8   |
|                | 2,5            | 1,8  | 2,5  | 11,2                | 4,5   |

|               | P <sub>2</sub> |      | 230 V Δ / 400 V Y<br>400 V Δ / 690 V Y |      |      | IA/IN |
|---------------|----------------|------|----------------------------------------|------|------|-------|
|               | kW             | HP   | IN A                                   | IN A | IN A |       |
|               | 0,37           | 0,5  | 2,3                                    | 1,3  |      | 3,8   |
|               | 0,45           | 0,6  | 2,3                                    | 1,3  |      | 3,5   |
|               | 0,55           | 0,75 | 3                                      | 1,7  |      | 3,6   |
| * NM 25/12B/A | 0,55           | 0,75 | 2,8                                    | 1,6  |      | 3,9   |
| * NM 10/FE    | 0,55           | 0,75 | 4                                      | 2,3  |      | 4,8   |
|               | 0,75           | 1    | 3,7                                    | 2,2  |      | 4     |
| * NM 25/12A/A | 0,75           | 1    | 3,5                                    | 2    |      | 4,3   |
| * NM 10/DE    | 0,75           | 1    | 4                                      | 2,3  |      | 4,8   |
|               | 1,1            | 1,5  | 4,6                                    | 2,7  |      | 5,6   |
|               | 1,5            | 2    | 7,5                                    | 4,3  |      | 5,5   |
|               | 2,2            | 3    | 9,15                                   | 5,3  |      | 7,4   |
|               | 3              | 4    | 11,5                                   | 6,6  |      | 8,2   |
|               | 4              | 5,5  |                                        | 9,6  | 5,5  | 7,6   |
|               | 5,5            | 7,5  |                                        | 10,9 | 6,3  | 9,1   |
|               | 7,5            | 10   |                                        | 14,3 | 8,3  | 9,1   |
|               | 9,2            | 12,5 |                                        | 18,5 | 10,7 | 8,2   |

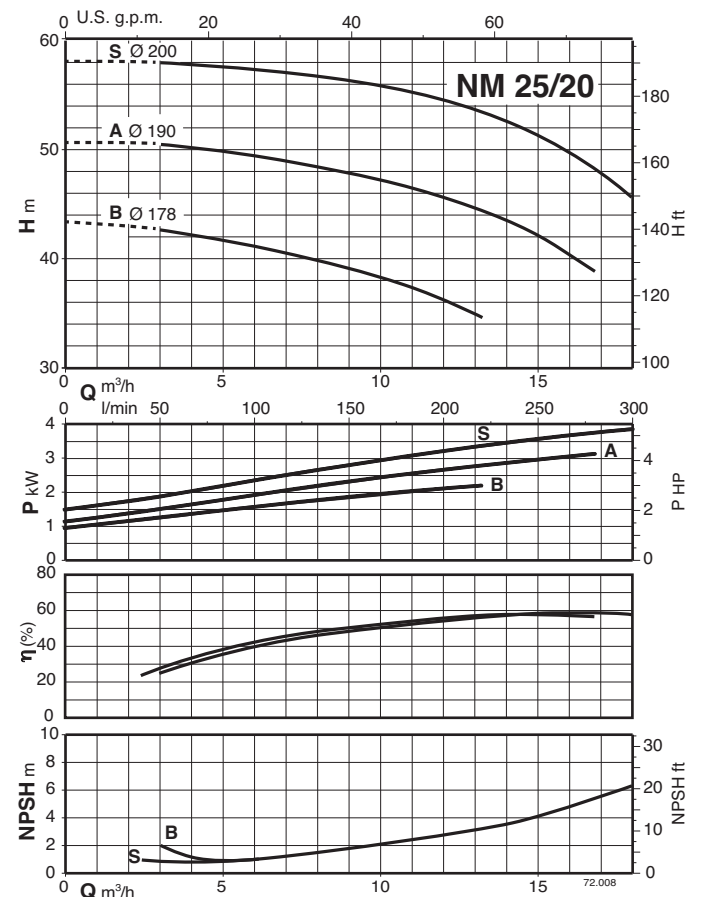
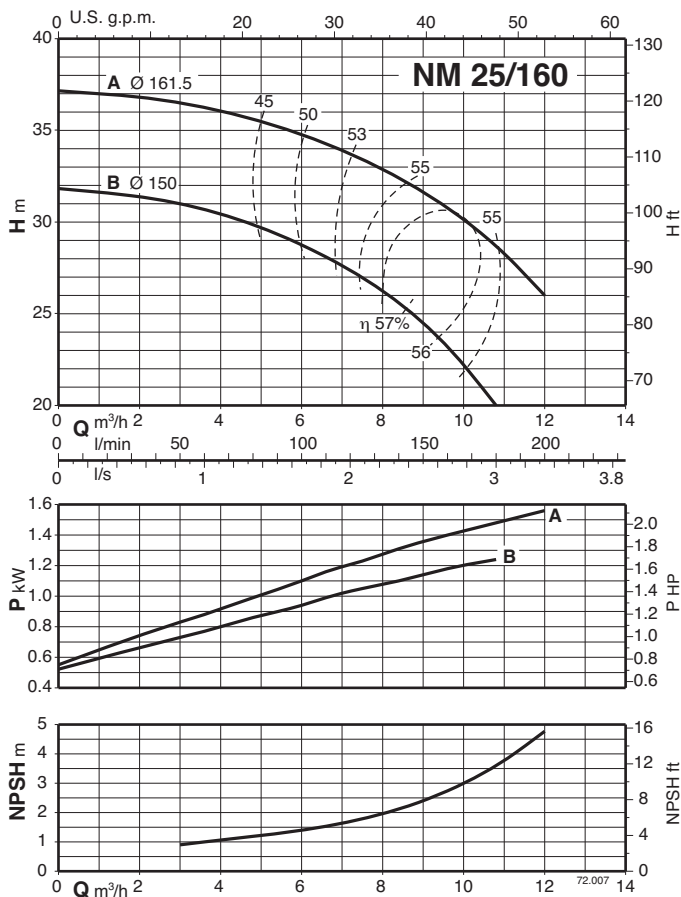
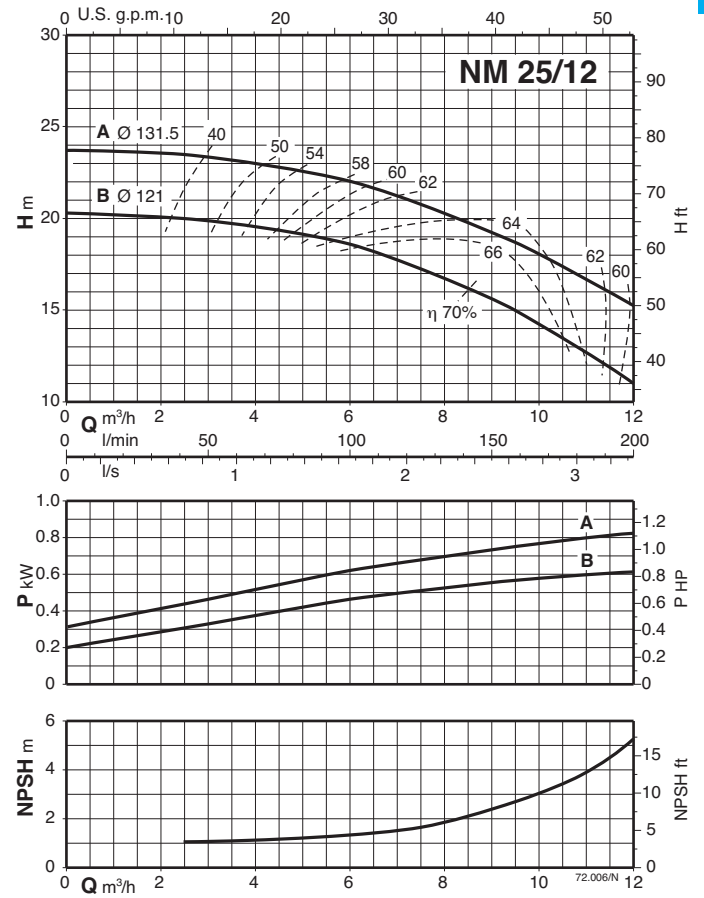
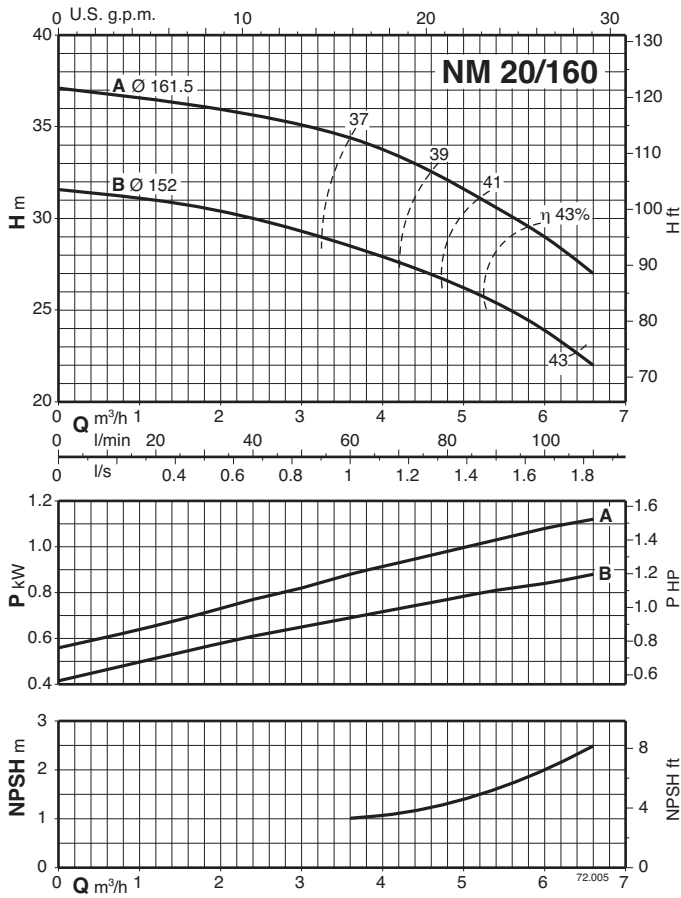
P<sub>1</sub> Maximum power input.  
P<sub>2</sub> Rated motor power output.  
IA/IN D.O.L. starting current / Nominal current

**Characteristic curves  $n \approx 2900$  rpm**

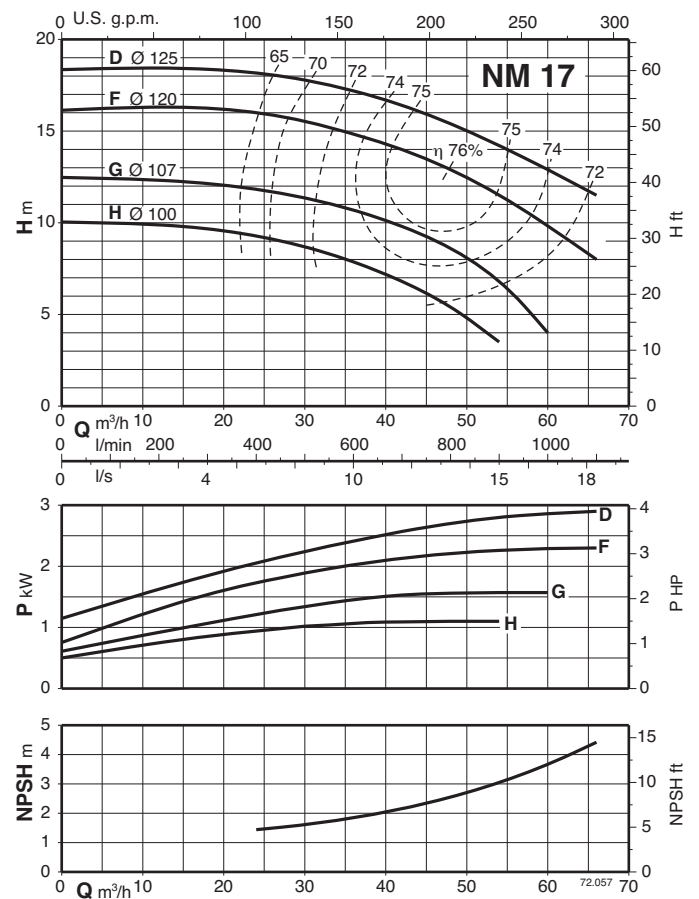
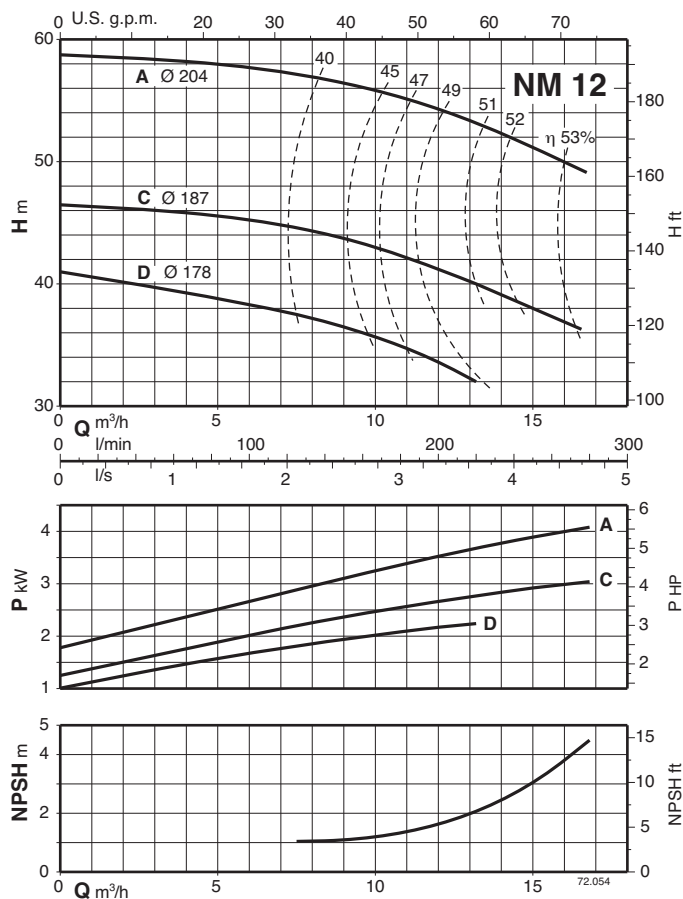
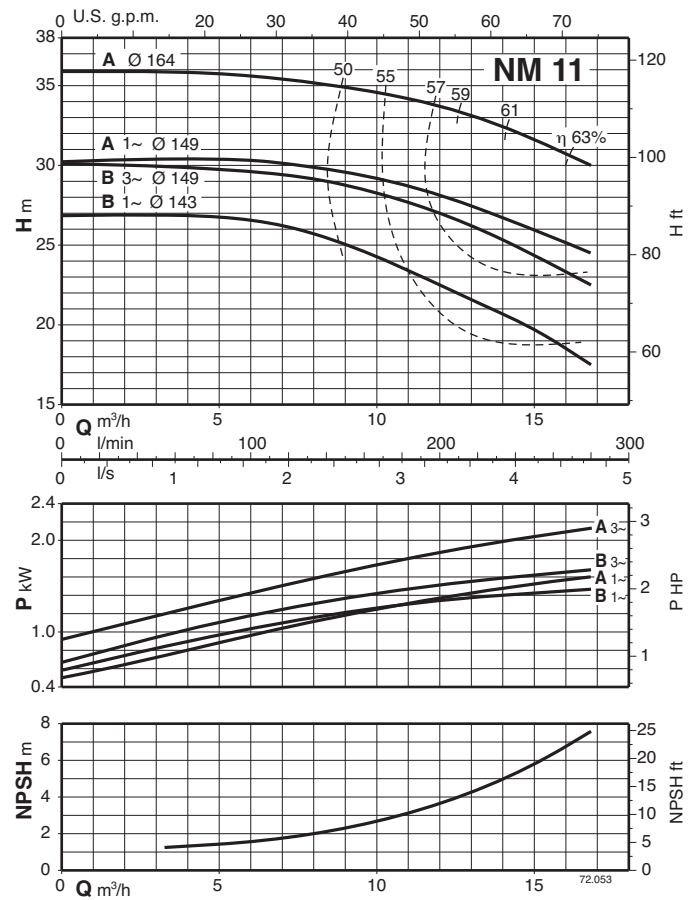
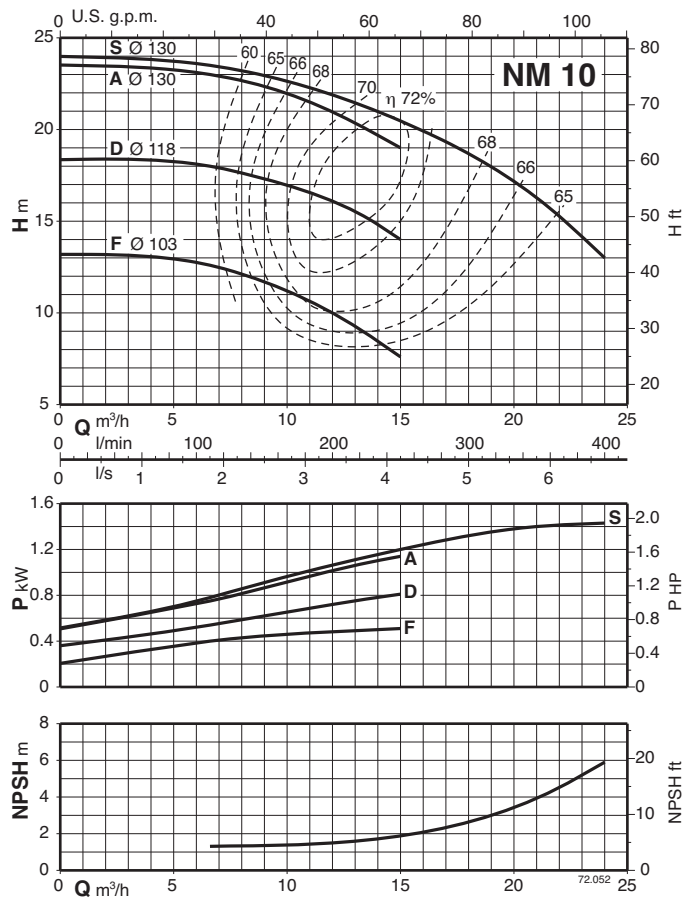


**Characteristic curves  $n \approx 2900$  rpm**

1

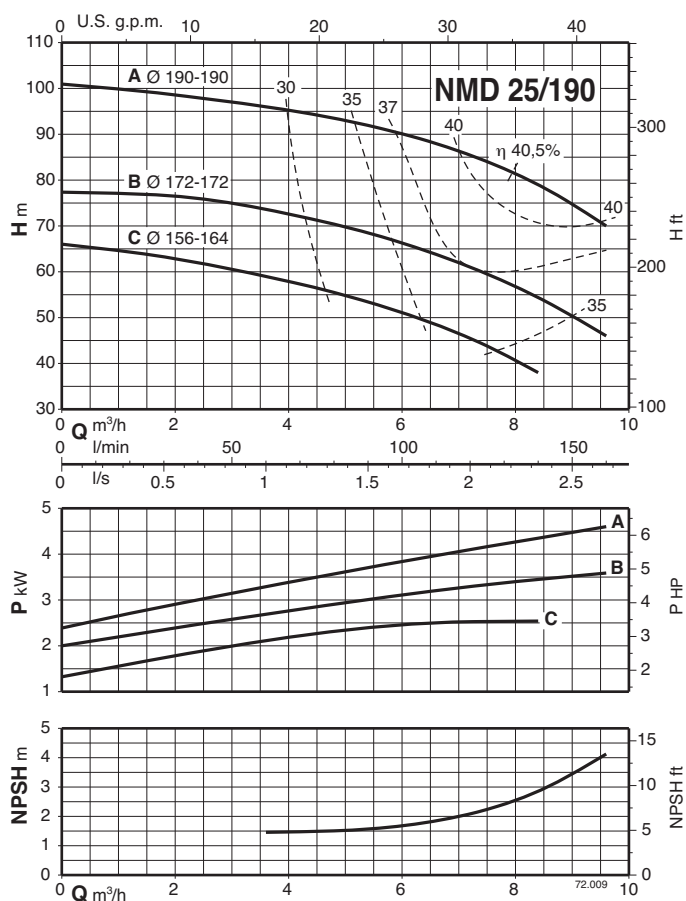
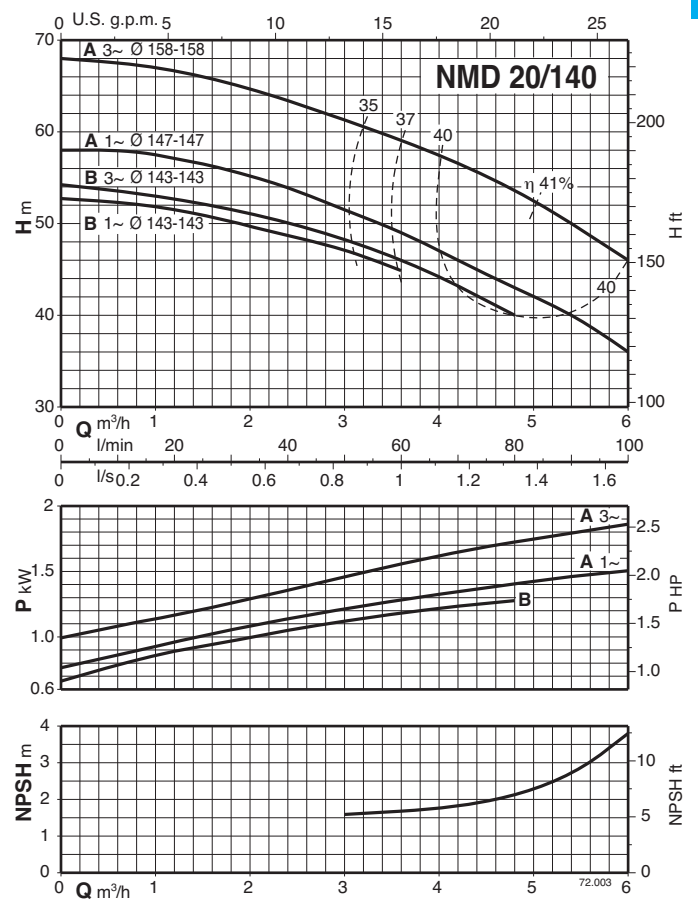
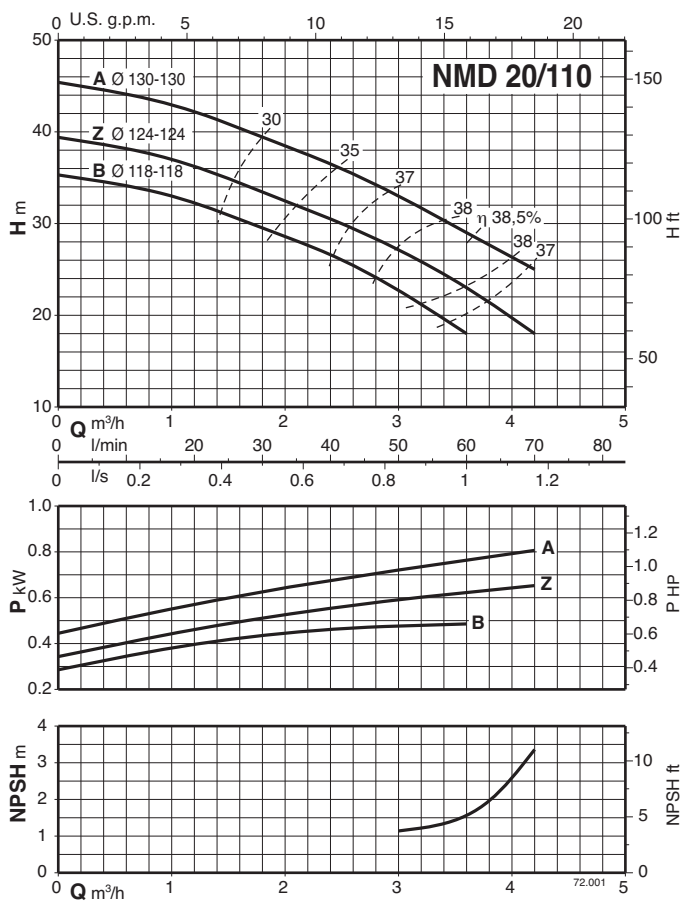


**Characteristic curves  $n \approx 2900$  rpm**

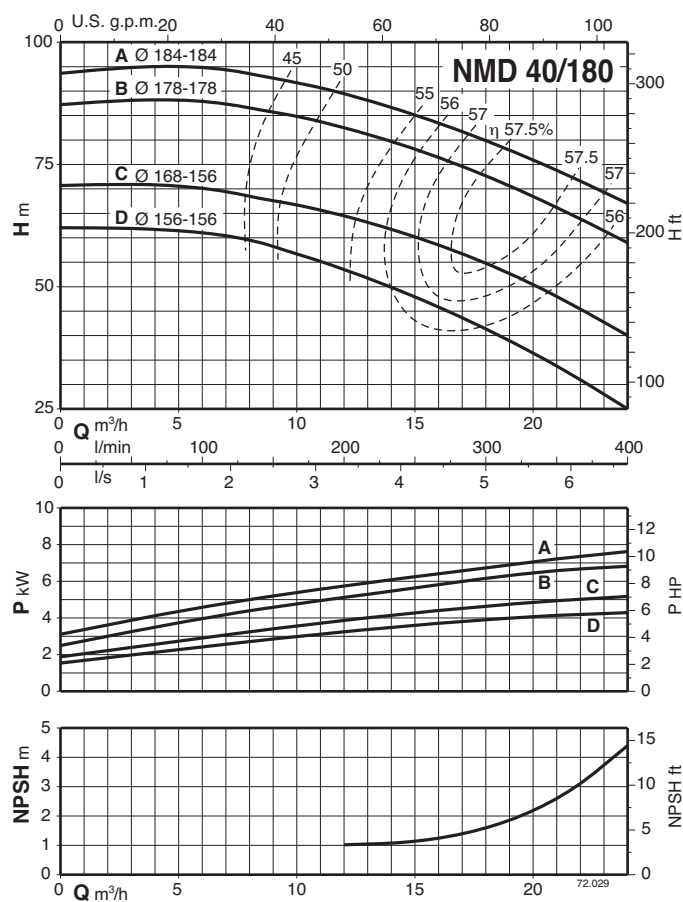
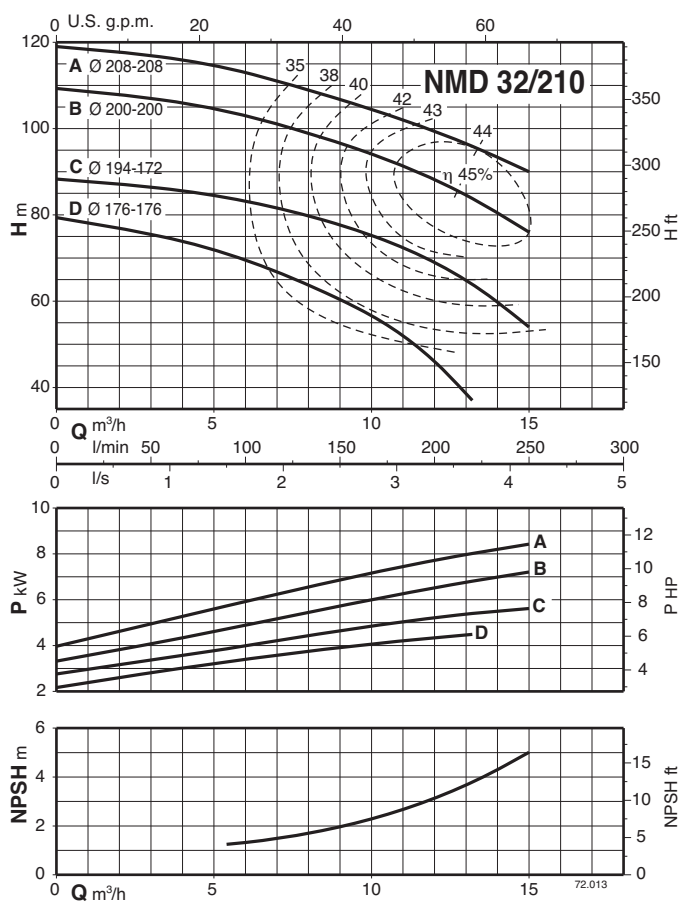


### Characteristic curves $n \approx 2900$ rpm

1

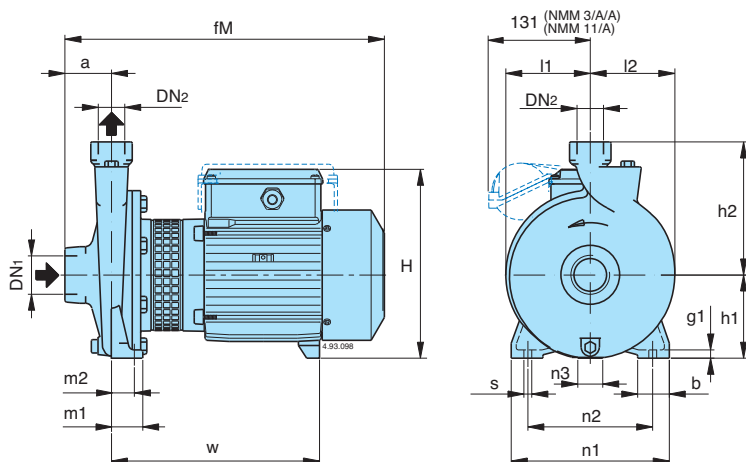


### Characteristic curves $n \approx 2900$ rpm



### Dimensions and weights

1

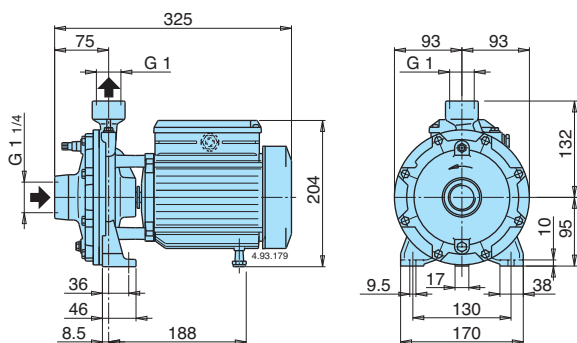


| TYPE            | NMM<br>kg | NM<br>kg | B-NM<br>kg |
|-----------------|-----------|----------|------------|
| NM 1/AE         | 8,7       | 8,6      |            |
| NM 2/B/A        | 14        | 13,1     |            |
| NM 2/S/A        | 14,2      | 13,3     |            |
| NM 2/A/A        | 15,1      | 14,2     |            |
| NM 3/CE         | 24        | 22,9     |            |
| NM 3/BE         | 26        | 25,1     |            |
| NM 3/A/A        | 30,4      | 29,1     |            |
| B- NM 20/160BE  | 19,9      | 18,4     | 21         |
| B- NM 20/160AE  | 20,7      | 19,7     | 22,5       |
| B- NM 25/12B/A  | 13,2      | 12,3     | 13,5       |
| B- NM 25/12A/A  | 14,2      | 13,3     | 14,5       |
| B- NM 25/160BE  | 20,4      | 19,7     | 22,8       |
| B- NM 25/160AE  | 22,5      | 21,5     | 24         |
| NM 25/20B/B     |           | 31,6     |            |
| NM 25/20A/B     |           | 40,9     |            |
| NM 25/20S/B     |           | 42,2     |            |
| B- NM 25/200B/B |           |          | 35,7       |
| B- NM 25/200A/B |           |          | 43,7       |
| B- NM 25/200S/B |           |          | 45,2       |
| NM 10/FE        | 19,3      | 18,5     |            |
| NM 10/DE        | 19,4      | 18,8     |            |
| NM 10/AE        | 20,2      | 19,3     |            |
| NM 10/SE        | 22,1      | 21,5     |            |
| NM 11/BE        | 24,7      | 24,1     |            |
| NM 11/A/A       |           | 28,1     |            |
| NM 12/D/A       |           | 33,5     |            |
| NM 12/C/A       |           | 42       |            |
| NM 12/A/A       |           | 43,5     |            |
| B- NM 17/HE     | 23        | 22,2     | 29,2       |
| B- NM 17/GE     | 24,2      | 23,2     | 30,2       |
| B- NM 17/F/A    |           | 28,2     | 35,2       |
| B- NM 17/D/A    |           | 36,2     | 43,2       |

| B-NM                | NM                | DN1<br>ISO 228 | DN2     | mm |     |     |     |     |      |      |     |     |    |    |      |     |     |     |    |
|---------------------|-------------------|----------------|---------|----|-----|-----|-----|-----|------|------|-----|-----|----|----|------|-----|-----|-----|----|
|                     |                   |                |         | a  | fM  | h1  | h2  | H   | m1   | m2   | n1  | n2  | n3 | b  | s    | l1  | l2  | w   | g1 |
|                     | NM 1/AE           | G 1            | G 1     | 40 | 261 | 80  | 132 | 176 | 40   | 32   | 170 | 140 | 17 | 35 | 9,5  | 77  | 81  | 171 | 10 |
|                     | NM 2/A/A-S/A-B/A  | G 1            | G 1     | 45 | 305 | 95  | 150 | 207 | 40   | 32   | 190 | 160 | 17 | 35 | 9,5  | 87  | 90  | 203 | 10 |
|                     | NM 3/BE-CE        | G 1            | G 1     | 50 | 375 | 112 | 180 | 240 | 55   | 43   | 245 | 205 | 37 | 45 | 11,5 | 110 | 113 | 244 | 12 |
|                     | NM 3/A/A          |                |         |    | 415 |     |     |     |      |      |     |     |    |    |      |     |     | 284 |    |
| B- NM 20/160AE-BE   | NM 20/160AE-BE    | G 1 1/4        | G 3/4   | 53 | 375 | 100 | 150 | 228 | 37,5 | 27,5 | 190 | 150 | 30 | 38 | 9,5  | 102 | 102 | 246 | 10 |
| B- NM 25/12A/A-B/A  | NM 25/12A/A-B/A   | G 1 1/2        | G 1     | 56 | 313 | 90  | 140 | 199 | 37,5 | 27,5 | 170 | 130 | 9  | 38 | 9,5  | 85  | 88  | 195 | 10 |
| B- NM 25/160AE-BE   | NM 25/160AE-BE    | G 1 1/2        | G 1     | 56 | 380 | 100 | 160 | 228 | 37,5 | 27,5 | 190 | 150 | 30 | 38 | 9,5  | 102 | 102 | 246 | 10 |
|                     | NM 25/20B/B       | G 1 1/2        | G 1     | 63 | 433 | 125 | 180 | 253 | 45   | 32,5 | 245 | 200 | 49 | 45 | 11,5 | 125 | 125 | 291 | 11 |
|                     | NM 25/20A/B-S/B   |                |         |    | 460 |     |     | 263 |      |      |     |     | 42 |    |      |     |     | 295 |    |
| B- NM 25/200B/B     |                   | G 1 1/2        | G 1     | 63 | 445 | 125 | 180 | 253 | 45   | 32,5 | 245 | 200 | 49 | 45 | 11,5 | 125 | 125 | 303 | 11 |
| B- NM 25/200A/B-S/B |                   |                |         |    | 460 |     |     | 263 |      |      |     |     | 42 |    |      |     |     | 295 |    |
|                     | NM 10/SE-AE-DE-FE | G 2            | G 1 1/4 | 63 | 382 | 100 | 150 | 228 | 50   | 35   | 190 | 140 | 30 | 50 | 13   | 90  | 97  | 239 | 14 |
|                     | NM 11/BE          | G 2            | G 1 1/4 | 70 | 400 | 112 | 170 | 240 | 50   | 35   | 210 | 160 | 37 | 50 | 15   | 103 | 110 | 247 | 14 |
|                     | NM 11/A/A         |                |         |    | 440 |     |     |     |      |      |     |     |    |    |      |     |     | 287 |    |
|                     | NM 12/D/A         | G 2            | G 1 1/4 | 70 | 440 | 132 | 190 | 260 | 50   | 35   | 240 | 190 | 47 | 50 | 15   | 125 | 127 | 287 | 14 |
|                     | NM 12/A/A-C/A     |                |         |    | 470 |     |     | 270 |      |      |     |     | 45 |    |      |     |     | 300 |    |
| B- NM 17/GE-HE      | NM 17/GE-HE       | G 2 1/2        | G 2 1/2 | 80 | 417 | 112 | 160 | 240 | 50   | 35   | 210 | 160 | 37 | 50 | 14   | 96  | 113 | 257 | 14 |
| B- NM 17/F/A        | NM 17/F/A         |                |         |    | 463 |     |     | 240 |      |      |     |     | 37 |    |      |     |     | 304 |    |
| B- NM 17/D/A        | NM 17/D/A         |                |         |    | 480 |     |     | 250 |      |      |     |     | 20 |    |      |     |     | 295 |    |

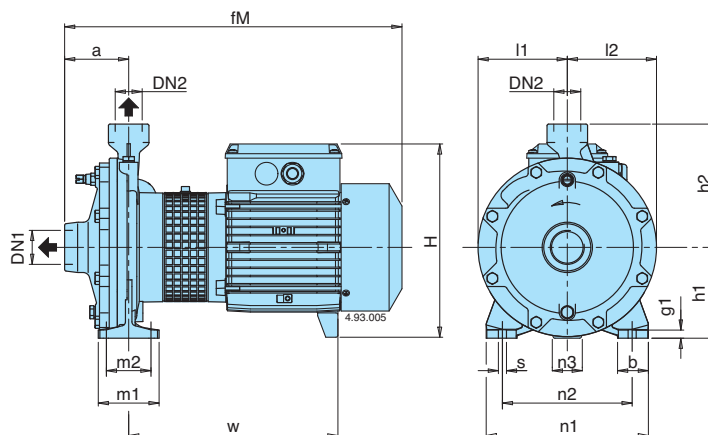
### Dimensions and weights

#### NMD 20/110



| TYPE             | NMDM<br>kg | NMD<br>kg | B-NMD<br>kg |
|------------------|------------|-----------|-------------|
| B- NMD 20/110B/A | 13         | 12,1      | 13,4        |
| B- NMD 20/110Z/A | 14         | 13        | 14,2        |
| B- NMD 20/110A/A | 15,1       | 14,2      | 17,4        |

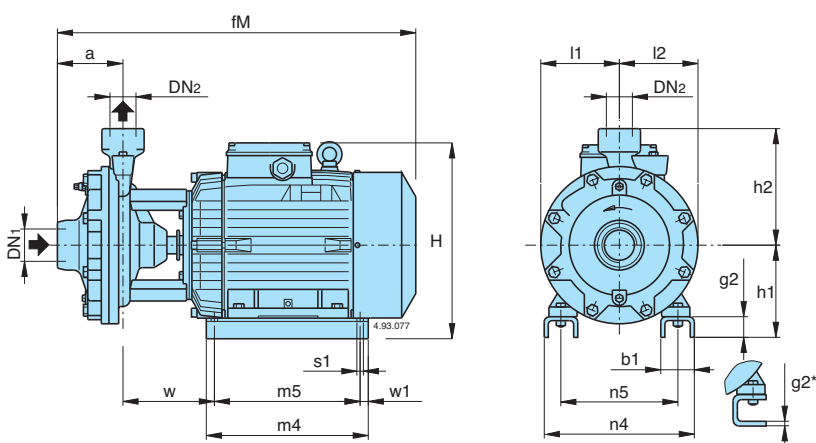
#### NMD 20/140 NMD 25/190



| TYPE             | NMDM<br>kg | NMD<br>kg | B-NMD<br>kg |
|------------------|------------|-----------|-------------|
| B- NMD 20/140BE  | 23,9       | 22,7      | 25,2        |
| B- NMD 20/140AE  | 25,2       | 24,8      | 27,6        |
| B- NMD 25/190C/A |            | 42        | 45,7        |
| B- NMD 25/190B/A |            | 49,7      | 54          |
| B- NMD 25/190A/A |            | 51,5      | 55,5        |

| B-NMD                | NMD               | DN1<br>ISO 228 | DN2 | mm |     |     |     |     |     |    |     |     |    |    |     |     |     |     |    |
|----------------------|-------------------|----------------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|----|-----|-----|-----|-----|----|
|                      |                   |                |     | a  | fM  | h1  | h2  | H   | m1  | m2 | n1  | n2  | n3 | b  | s   | l1  | l2  | w   | g1 |
| B- NMD 20/140AE-BE   | NMD 20/140AE-BE   | G 1 1/4        | G 1 | 80 | 417 | 112 | 152 | 243 | 75  | 55 | 200 | 160 | 37 | 38 | 9,5 | 110 | 110 | 256 | 10 |
| B- NMD 25/190C/A     | NMD 25/190C/A     | G 1 1/2        | G 1 | 97 | 487 | 140 | 180 | 268 | 100 | 70 | 240 | 190 | 50 | 50 | 14  | 133 | 133 | 314 | 13 |
| B- NMD 25/190A/A-B/A | NMD 25/190A/A-B/A |                |     |    | 500 |     |     | 278 |     |    |     |     | 49 |    |     |     |     | 306 |    |

#### NMD 32/210 NMD 40/180

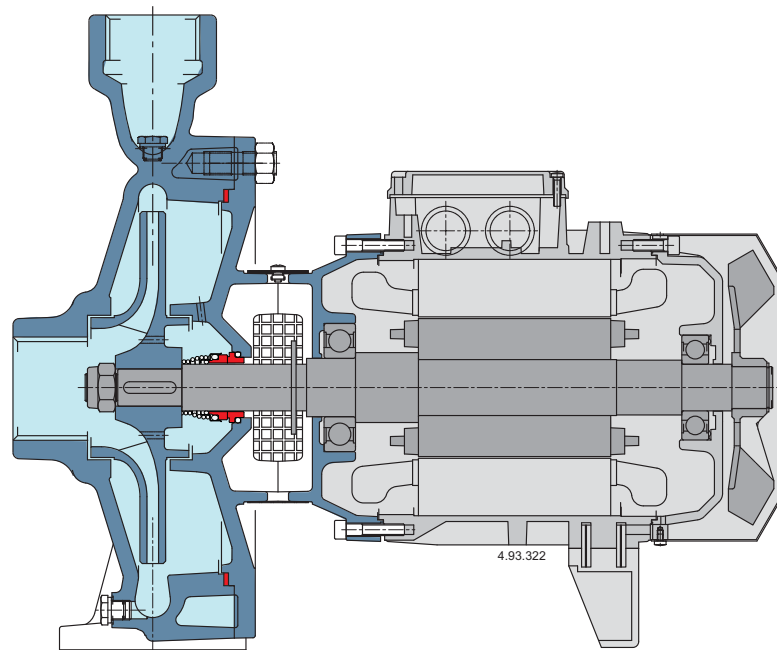


| TYPE             | NMD<br>kg | B-NMD<br>kg |
|------------------|-----------|-------------|
| B- NMD 32/210D/A | 60,5      | 66,5        |
| B- NMD 32/210C/A | 71        | 77          |
| B- NMD 32/210B/A | 77        | 82,5        |
| B- NMD 32/210A/B | 99        | 105         |
| B- NMD 40/180D/A | 59,5      | 65,5        |
| B- NMD 40/180C/A | 70        | 76          |
| B- NMD 40/180B/A | 76        | 81,5        |
| B- NMD 40/180A/B | 97        | 102         |

| B-NMD                 | NMD                | DN1<br>ISO 228 | DN2     | mm  |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |
|-----------------------|--------------------|----------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|
|                       |                    |                |         | a   | fM  | h1  | h2  | H   | m4  | m5  | n4  | n5  | w1 | b1 | s1 | l1  | l2  | w   | g2  |
| B- NMD 32/210D/A      | NMD 32/210D/A      | G 2            | G 1 1/4 | 110 | 530 | 155 | 215 | 293 | 205 | 175 | 194 | 140 | 15 | 54 | 10 | 150 | 150 | 139 | 6*  |
| B- NMD 32/210B/A -C/A | NMD 32/210B/A -C/A |                |         |     | 550 | 150 |     | 310 | 280 | 250 | 258 | 190 |    | 68 | 12 |     |     | 108 | 38  |
| B- NMD 32/210A/B      | NMD 32/210A/B      |                |         |     | 625 | 170 |     | 355 | 298 | 268 | 286 | 216 |    | 70 | 12 |     |     | 152 | 38  |
| B- NMD 40/180D/A      | NMD 40/180D/A      | G 2            | G 1 1/2 | 121 | 535 | 155 | 215 | 293 | 205 | 175 | 194 | 140 | 15 | 54 | 10 | 145 | 145 | 133 | 6*  |
| B- NMD 40/180B/A -C/A | NMD 40/180B/A -C/A |                |         |     | 555 | 150 |     | 310 | 280 | 250 | 258 | 190 |    | 68 | 12 |     |     | 102 | 38  |
| B- NMD 40/180A/B      | NMD 40/180A/B      |                |         |     | 630 | 170 |     | 355 | 298 | 268 | 286 | 216 |    | 70 | 12 |     |     | 145 | 38* |

### Features

1



#### Compact Design

The compact design allows for easy installation even in confined spaces.

#### Robust

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

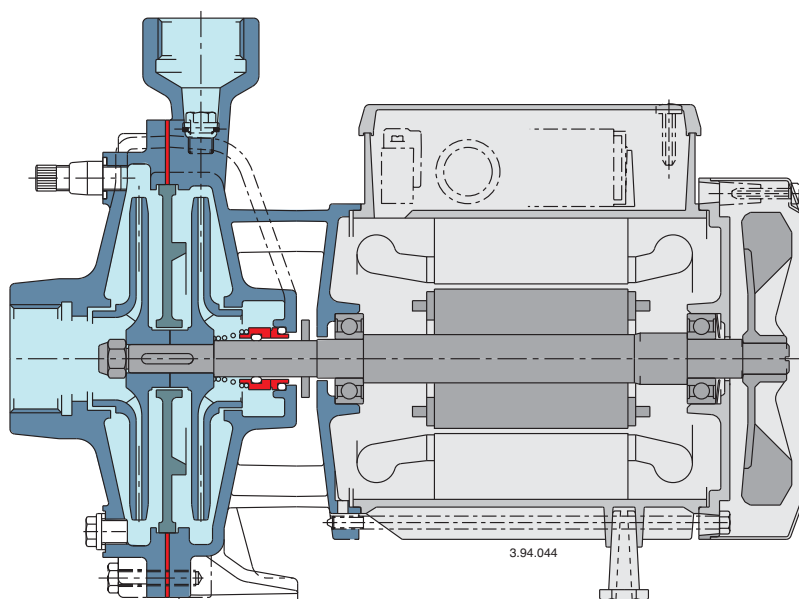
#### A unique design

The lantern bracket design prevents contact with the pumps rotating parts, providing protection to the end user whilst allowing for inspection of the mechanical seal.

#### Reliable

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

### Features



#### Flexible

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

#### Robust

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

#### Reliable

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