

## NH

Помпа потопяема многостъпална  
за дълбоки водоеми

-  Clean water
-  Domestic use
-  Civil use
-  Agricultural use



### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **95 m**

### APPLICATION LIMITS

- Maximum liquid temperature **+40 °C**
- Maximum sand content **150 g/m<sup>3</sup>**
- 20 m** maximum immersion depth (with a sufficiently long power cable)
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

- Float switch for single-phase versions

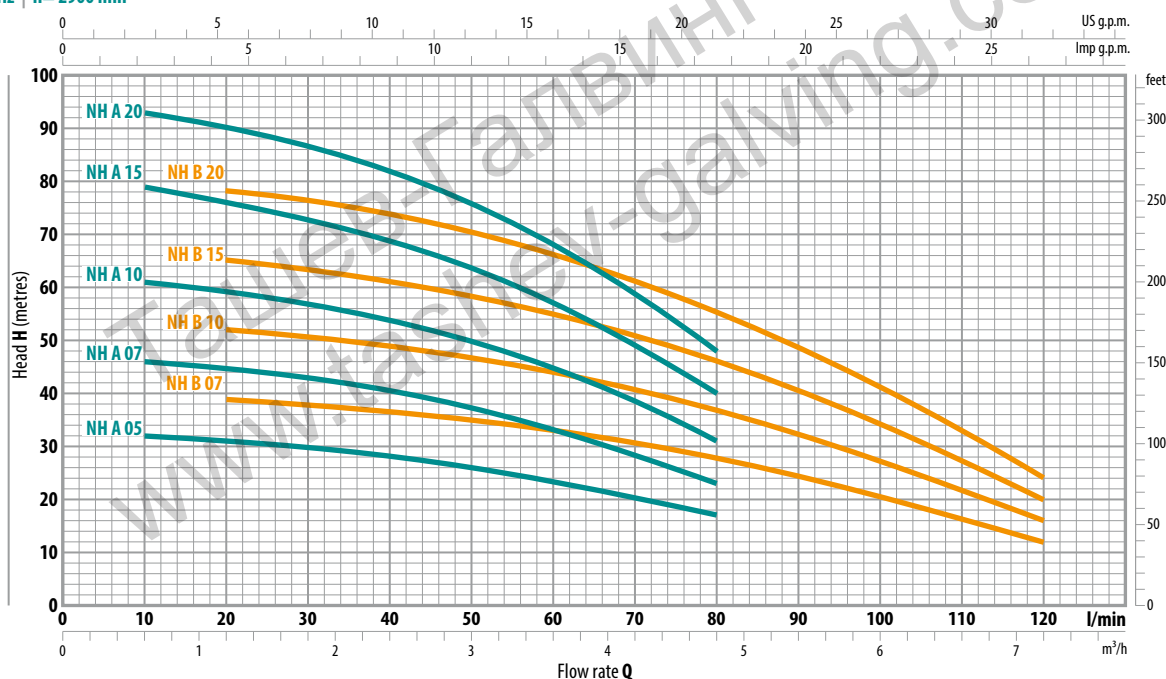
EN 60335-1  
IEC 60335-1  
CEI 61-150

EN 60034-1  
IEC 60034-1  
CEI 2-3



### CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz | n = 2900 min<sup>-1</sup>



| MODEL            |             | POWER (P <sub>2</sub> ) |      | Q<br>m <sup>3</sup> /h<br>l/min | 0  | 0.6 | 1.2  | 1.8  | 2.4  | 3.0  | 3.6  | 4.2  | 4.8  | 6.0  | 6.6  | 7.2 |
|------------------|-------------|-------------------------|------|---------------------------------|----|-----|------|------|------|------|------|------|------|------|------|-----|
| Single-phase     | Three-phase | kW                      | HP   |                                 | 0  | 10  | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 100  | 110  | 120 |
| NH A 05M + float | NH A 05     | 0.37                    | 0.5  | H metres                        | 33 | 32  | 31   | 29.5 | 28   | 26   | 23.5 | 20.5 | 17   |      |      |     |
| NH A 07M + float | NH A 07     | 0.55                    | 0.75 |                                 | 48 | 46  | 44.5 | 42.8 | 40.5 | 37.5 | 33.5 | 29   | 23   |      |      |     |
| NH A 10M + float | NH A 10     | 0.75                    | 1    |                                 | 63 | 61  | 59   | 57   | 54   | 50   | 45   | 39   | 31   |      |      |     |
| NH A 15M + float | NH A 15     | 1.1                     | 1.5  |                                 | 81 | 79  | 75.5 | 73   | 68.5 | 63.5 | 57.5 | 49.5 | 40   |      |      |     |
| NH A 20M + float | NH A 20     | 1.5                     | 2    |                                 | 95 | 93  | 90   | 87   | 82   | 76   | 68.5 | 59.5 | 48   |      |      |     |
| NH B 07M + float | NH B 07     | 0.55                    | 0.75 |                                 | 40 | -   | 39   | 38   | 37   | 35   | 33   | 30.5 | 28   | 20.5 | 16.5 | 12  |
| NH B 10M + float | NH B 10     | 0.75                    | 1    |                                 | 53 | -   | 52   | 50.5 | 49   | 46.5 | 44   | 40.5 | 37   | 27.5 | 22   | 16  |
| NH B 15M + float | NH B 15     | 1.1                     | 1.5  |                                 | 67 | -   | 65   | 63.5 | 61.5 | 58   | 55   | 50.5 | 46.5 | 34   | 27.5 | 20  |
| NH B 20M + float | NH B 20     | 1.5                     | 2    |                                 | 80 | -   | 78   | 76   | 74   | 70   | 66   | 61   | 56   | 41   | 33   | 24  |

Q = Flow rate

H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

→ Single-phase pumps without float switch on request

## INSTALLATION AND USE

Because of their high efficiency and reliability they are suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure tanks, for the irrigation of gardens and orchards and for pressure boosting, etc.

## OPTIONS AVAILABLE ON REQUEST

Pumps without float switch.

## CONSTRUCTION CHARACTERISTICS

|                                                         |                                                                                                             |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>EXTERNAL SLEEVE</b>                                  | Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1                  |
| <b>MOTOR SLEEVE</b>                                     | Stainless steel AISI 304                                                                                    |
| <b>IMPELLERS AND DIFFUSERS</b>                          | Noryl FE1520PW                                                                                              |
| <b>MOTOR SHAFT</b>                                      | Stainless steel EN 10088-3 - 1.4104                                                                         |
| <b>TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER</b> | <b>Motor side:</b><br>Ceramic - Graphite - NBR<br><br><b>Pump side:</b><br>Silicon carbide - Graphite - NBR |
| <b>POWER CABLE</b>                                      | DRINCABLE® type<br>20 m long power cable                                                                    |

## DIMENSIONS AND WEIGHT

| MODEL            |             | PORT DN | N. STAGES | DIMENSIONS mm |     | kg   |      |
|------------------|-------------|---------|-----------|---------------|-----|------|------|
| Single-phase     | Three-phase |         |           | Ø             | h   | 1~   | 3~   |
| NH A 05M + float | NH A 05     | 1 1/4"  | 2         | 135           | 459 | 14.0 | 13.8 |
| NH A 07M + float | NH A 07     |         | 3         |               | 486 | 14.5 | 14.3 |
| NH A 10M + float | NH A 10     |         | 4         |               | 543 | 16.1 | 15.3 |
| NH A 15M + float | NH A 15     |         | 5         |               | 570 | 17.5 | 16.7 |
| NH A 20M + float | NH A 20     |         | 6         |               | 617 | 19.8 | 18.8 |
| NH B 07M + float | NH B 07     |         | 3         |               | 486 | 14.5 | 14.3 |
| NH B 10M + float | NH B 10     |         | 4         |               | 543 | 16.1 | 15.3 |
| NH B 15M + float | NH B 15     |         | 5         |               | 570 | 17.5 | 16.7 |
| NH B 20M + float | NH B 20     |         | 6         |               | 617 | 19.8 | 18.8 |



## ABSORPTION

| MODEL            | VOLTAGE |       |        |
|------------------|---------|-------|--------|
| Single-phase     | 230 V   | 240 V | 110 V  |
| NH A 05M + float | 4.4 A   | 4.3 A | 8.8 A  |
| NH A 07M + float | 5.4 A   | 5.2 A | 10.8 A |
| NH A 10M + float | 6.2 A   | 6.0 A | 12.4 A |
| NH A 15M + float | 7.6 A   | 7.3 A | 15.2 A |
| NH A 20M + float | 8.8 A   | 8.5 A | 17.6 A |
| NH B 07M + float | 5.0 A   | 4.8 A | 10.0 A |
| NH B 10M + float | 6.2 A   | 6.0 A | 12.4 A |
| NH B 15M + float | 7.2 A   | 6.9 A | 14.4 A |
| NH B 20M + float | 8.7 A   | 8.4 A | 17.4 A |

| MODEL       | VOLTAGE |       |       |       |
|-------------|---------|-------|-------|-------|
| Three-phase | 230 V   | 400 V | 240 V | 415 V |
| NH A 05     | 2.8 A   | 1.6 A | 2.7 A | 1.5 A |
| NH A 07     | 3.3 A   | 1.9 A | 3.2 A | 1.8 A |
| NH A 10     | 4.0 A   | 2.3 A | 3.9 A | 2.2 A |
| NH A 15     | 5.0 A   | 2.9 A | 4.9 A | 2.8 A |
| NH A 20     | 5.7 A   | 3.3 A | 5.5 A | 3.2 A |
| NH B 07     | 3.2 A   | 1.8 A | 3.1 A | 1.7 A |
| NH B 10     | 3.8 A   | 2.2 A | 3.7 A | 2.1 A |
| NH B 15     | 4.9 A   | 2.8 A | 4.7 A | 2.7 A |
| NH B 20     | 5.6 A   | 3.2 A | 5.4 A | 3.1 A |

## PALLETIZATION

| MODEL            |             | GROUPAGE<br>n. pumps | CONTAINER<br>n. pumps |
|------------------|-------------|----------------------|-----------------------|
| Single-phase     | Three-phase |                      |                       |
| NH A 05M + float | NH A 05     | 30                   | 54                    |
| NH A 07M + float | NH A 07     | 30                   | 54                    |
| NH A 10M + float | NH A 10     | 30                   | 54                    |
| NH A 15M + float | NH A 15     | 25                   | 45                    |
| NH A 20M + float | NH A 20     | 25                   | 45                    |
| NH B 07M + float | NH B 07     | 30                   | 54                    |
| NH B 10M + float | NH B 10     | 30                   | 54                    |
| NH B 15M + float | NH B 15     | 25                   | 45                    |
| NH B 20M + float | NH B 20     | 25                   | 45                    |