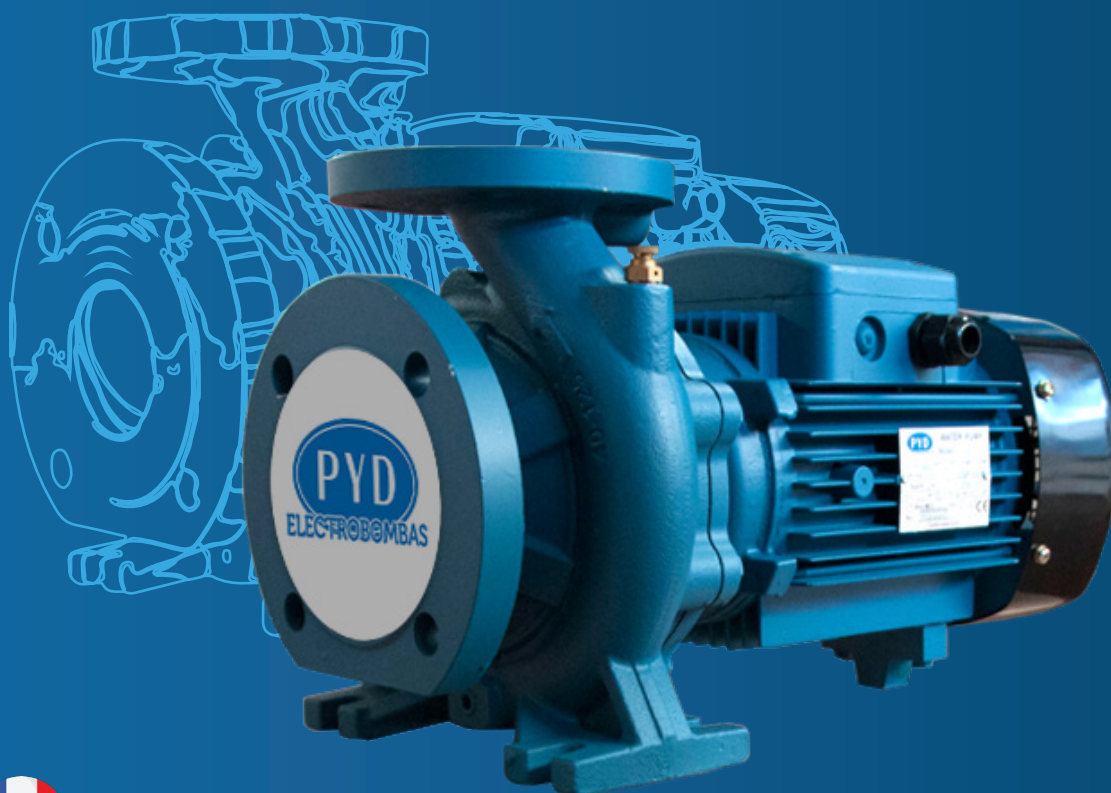


**PYD**  
ELECTROBOMBAS

SERIE  
**NM**

**BOMBA CENTRÍFUGA MONOBLOC**  
MONOBLOC CENTRIFUGAL PUMP  
POMPE CENTRIFUGE MONOBLOC



**CATÁLOGO TÉCNICO**

TECHNICAL CATALOGUE  
CATALOGUE TECHNIQUE

## 1. DESCRIPCIÓN DESCRIPTION DESCRIPTION

Electrobombas centrífugas aptas para la circulación y bombeo de aguas limpias y otros líquidos de características físicas y químicas similares. Suministro de agua, irrigación, rociadores, sistemas contra incendios, circulación de agua en sistemas de aire acondicionado, etc.

Bridas según estándares UNI 2236 y DIN 2532.

☸ Centrifugal electric pumps suitable for circulating and pumping clean water and other liquids with similar physical and chemical characteristics. Water supply, irrigation, sprinklers, fire-fighting systems, water circulation in air-conditioning systems, etc. Flanges according to UNI 2236 and DIN 2532 standards.

🇧🇷 Les électropompes centrifuges conviennent à la circulation et au pompage d'eau propre et d'autres liquides présentant des caractéristiques physiques et chimiques similaires. Alimentation en eau, irrigation, arrosage, systèmes de lutte contre l'incendie, circulation d'eau dans les systèmes de climatisation, etc. Brides conformes aux normes UNI 2236 et DIN 2532.



### MATERIALES

**Cuerpo de bomba:** Fundición  
**Eje:** Acero INOX 316  
**Impulsores:** Acero INOX/Fundición  
**Juntas:** NBR  
**Cierre mecánico:** Carb/Cer/NBR

### ☸ MATERIALS

**Pump body:** Stainless steel 316  
**Shaft:** Stainless steel 316  
**Impeller:** Stainless steel 316  
**Gaskets:** NBR  
**Mechanical seal:** Carb/Cer/NBR

### 🇧🇷 MATÉRIELS

**Corps de pompe:** Acier INOX 316  
**Arbre:** Acier INOX 316  
**Roue:** Acier INOX 316  
**Joints:** NBR  
**Garniture mécanique:** Carb/Cer/NBR

### ÁREA DE TRABAJO

**Temperatura máx. del líquido:** 85°C  
**Temperatura mín. del líquido:** -10°C  
**Grado de protección:** IP54  
**Aislamiento:** F  
**Presión máx. de trabajo:** 12 bar  
**Protección por sobrecarga**

### ☸ WORKING RANGE

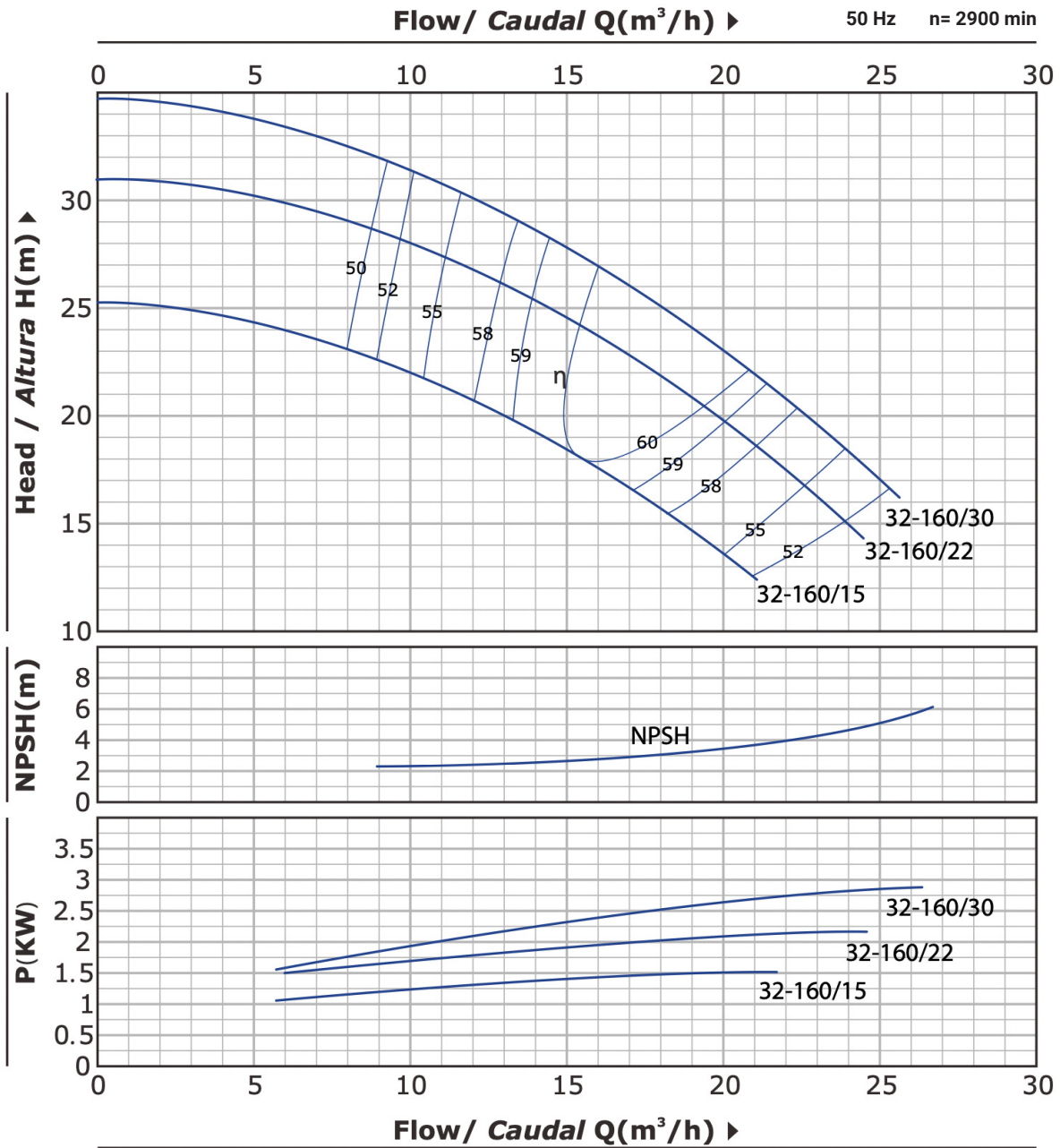
**Max. liquid temperature:** 70°C  
**Min. liquid temperature:** -10°C  
**Degree of protection:** IP54  
**Insulation:** F  
**Max. working pressure:** 12 bar  
**Overload protection**

### 🇧🇷 PLAGUE DE TRAVAIL

**Température max. du liquide:** 70°C  
**Min. liquid temperature:** -10°C  
**Degré de protection:** IP54  
**Isolation:** F  
**Pression de service maximale:** 12 bar  
**Protection contre les surcharges**

## 2. CURVAS CURVES COURBES

### 32-160

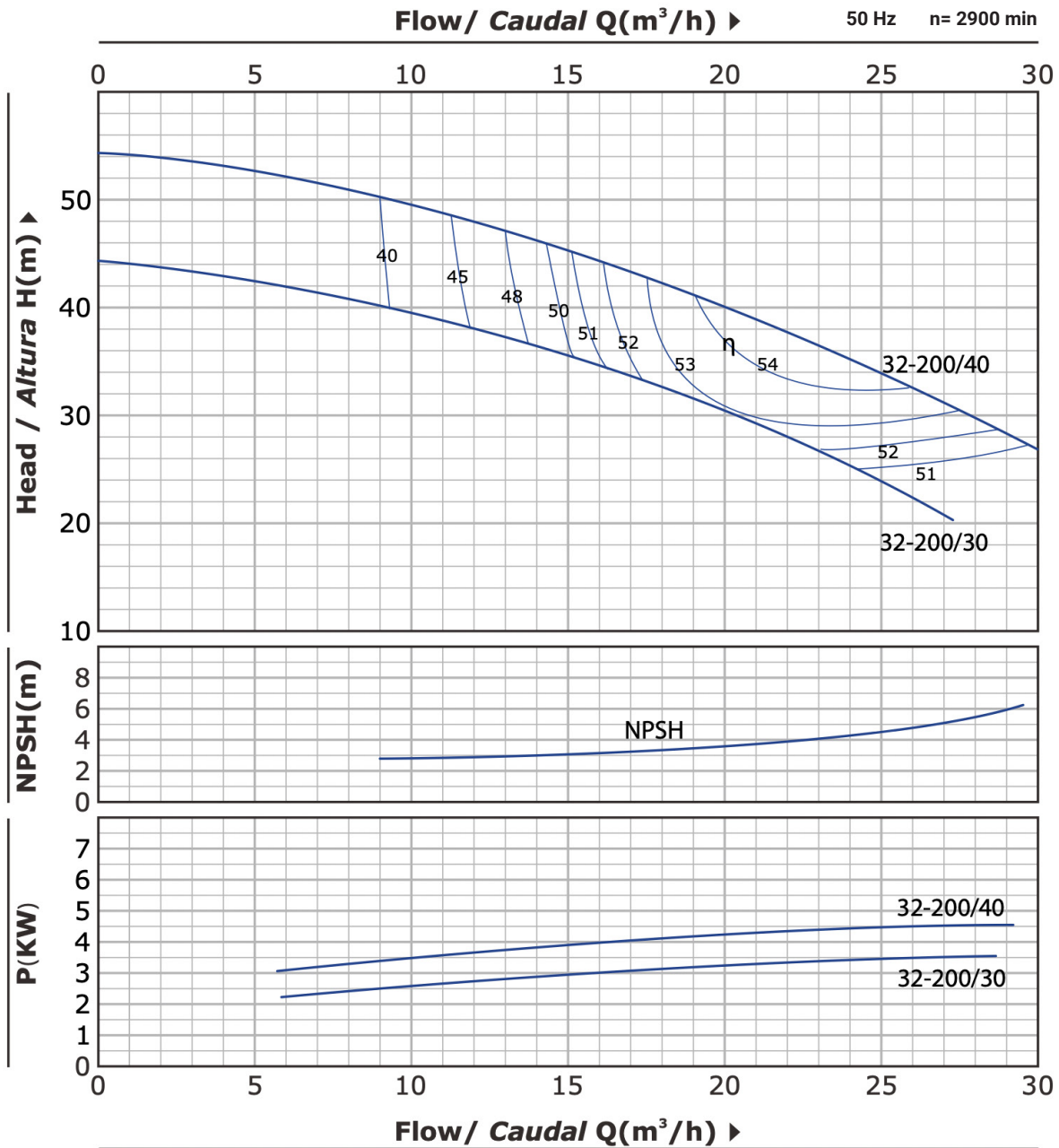


| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |     | INT (A) |      | CAUDAL FLOW DÉBIT         |      |      |                          |      |      |                                 |      |  |
|---------------------------|-----------|------|----------------|-----|---------|------|---------------------------|------|------|--------------------------|------|------|---------------------------------|------|--|
|                           | ASP.      | IMP. | kW             | Hp  | 220V    | 380V | m <sup>3</sup> /h         | 0    | 6    | 9                        | 15   | 18   | 24                              | 27   |  |
| NM32-160/15*              | 50        | 32   | 1,5            | 2,0 | 9,4     | 3,5  | l/min                     | 0    | 100  | 150                      | 250  | 300  | 400                             | 450  |  |
|                           |           |      |                |     |         |      | ALTURA DE CARGA EN METROS |      |      | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |  |
| NM32-160/22*              | 50        | 32   | 2,2            | 3,0 | 13,4    | 4,7  |                           | 25,4 | 23,7 | 22,5                     | 18,5 | 15,8 |                                 |      |  |
| NM32-160/30*              | 50        | 32   | 3,0            | 4,0 | 18,0    | 6,4  |                           | 31,0 | 29,6 | 28,5                     | 24,5 | 22,0 | 15,0                            |      |  |
|                           |           |      |                |     |         |      |                           | 35,0 | 34,3 | 34,0                     | 28,0 | 25,5 | 19,0                            | 15,0 |  |

\* Modelos con impulsor en acero INOX  
Models with stainless steel impeller  
Modèles avec roue en acier inoxydable

## 2. CURVAS CURVES COURBES

### 32-200



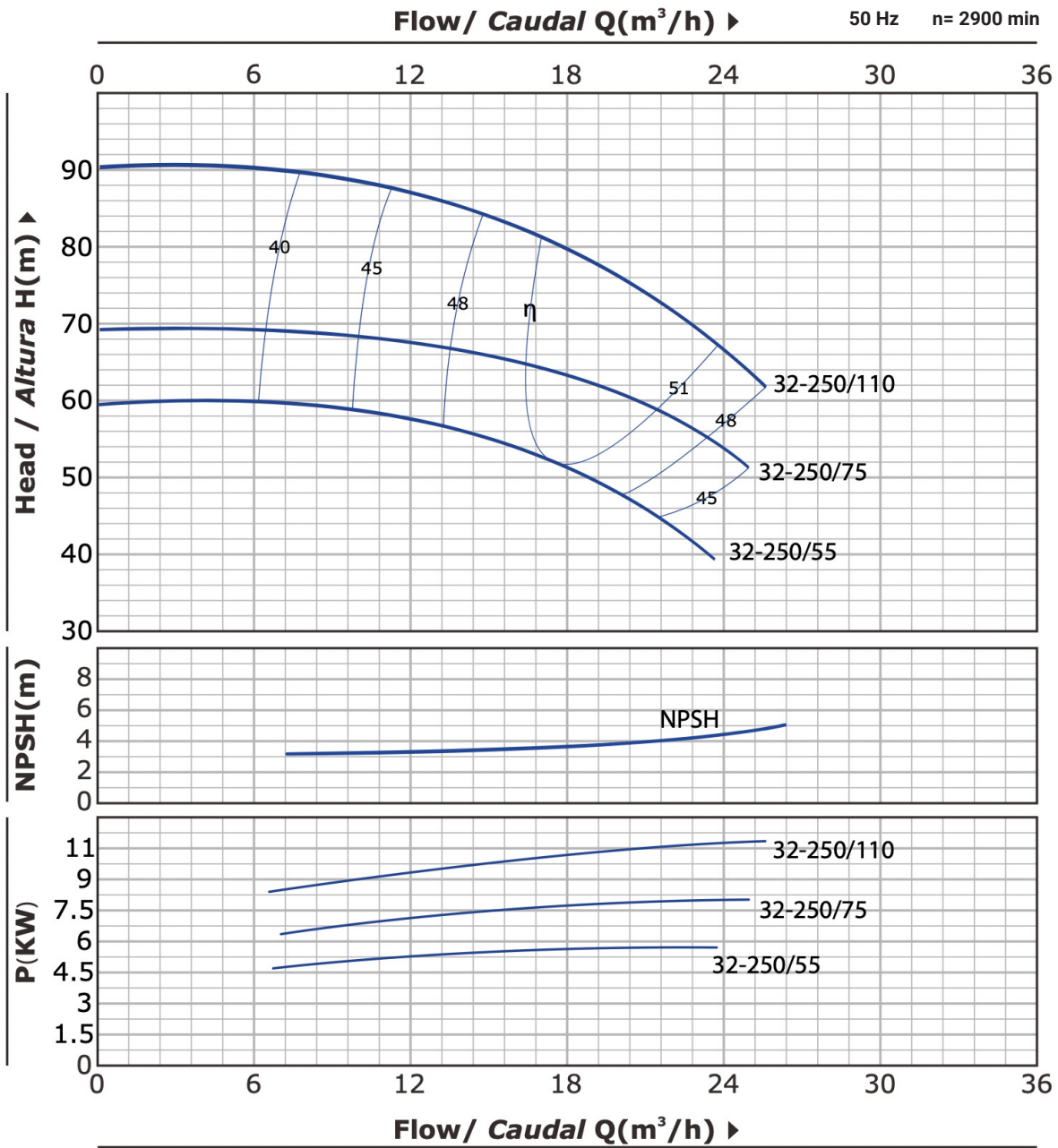
| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT |                           |                   |       |                          |      |      |                                 |      |      |      |      |      |      |      |
|---------------------------|-----------|----------------|------|---------|------|-------------------|---------------------------|-------------------|-------|--------------------------|------|------|---------------------------------|------|------|------|------|------|------|------|
|                           |           | ASP.           | IMP. | kW      | Hp   | 220V              | 380V                      | m <sup>3</sup> /h | l/min | 0                        | 6    | 9    | 15                              | 18   | 24   | 27   |      |      |      |      |
| NM32-200/30*              | 50        | 32             | 3,0  | 4,0     | 18,0 | 6,4               | ALTURA DE CARGA EN METROS |                   |       | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |      |      |      |      |      |      |
| NM32-200/40*              | 50        | 32             | 4,0  | 5,5     | -    | 8,2               | 44,2                      | 43,0              | 39,8  | 35,2                     | 32,2 | 24,6 | 19,8                            | 54,5 | 52,0 | 50,0 | 45,5 | 41,9 | 35,0 | 30,3 |

\* Modelos con impulsor en acero INOX  
Models with stainless steel impeller  
Modèles avec roue en acier inoxydable



## 2. CURVAS CURVES COURBES

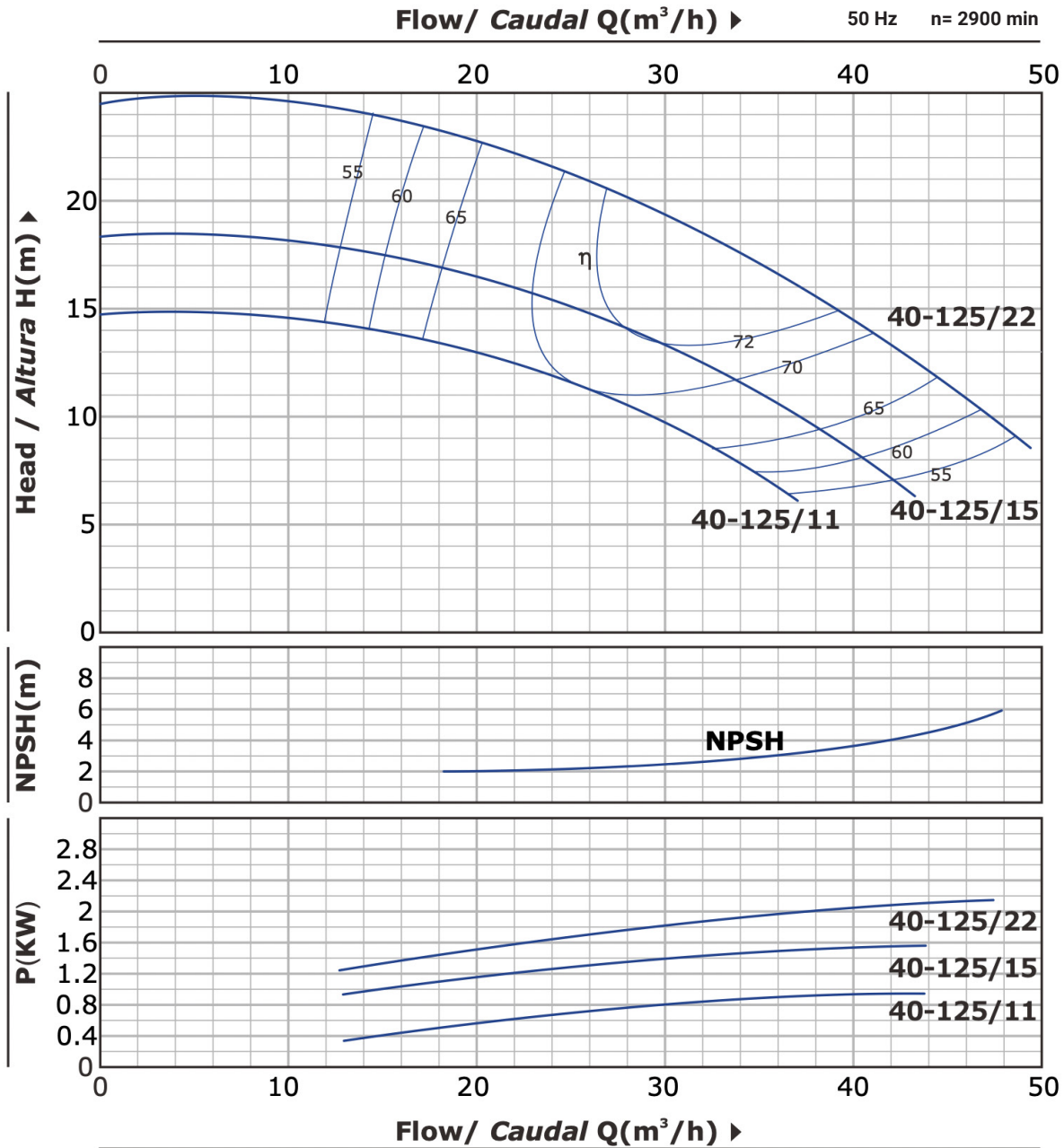
### 32-250



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT         |      |                          |      |      |                                 |      |     |
|---------------------------|-----------|------|----------------|------|---------|------|---------------------------|------|--------------------------|------|------|---------------------------------|------|-----|
|                           | ASP.      | IMP. | kW             | Hp   | 220V    | 380V | m <sup>3</sup> /h         | 0    | 6                        | 9    | 15   | 18                              | 24   | 27  |
| NM32-250/55               | 50        | 32   | 5,5            | 7,5  | -       | 11,1 | l/min                     | 0    | 100                      | 150  | 250  | 300                             | 400  | 450 |
|                           |           |      |                |      |         |      | ALTURA DE CARGA EN METROS |      | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |     |
| NM32-250/75               | 50        | 32   | 7,5            | 10,0 | -       | 15,0 |                           | 60,0 | 59,5                     | 59,0 | 55,0 | 51,0                            | 34,5 |     |
|                           |           |      |                |      |         |      |                           | 69,5 | 69,0                     | 68,5 | 66,0 | 63,0                            | 53,0 |     |

## 2. CURVAS CURVES COURBES

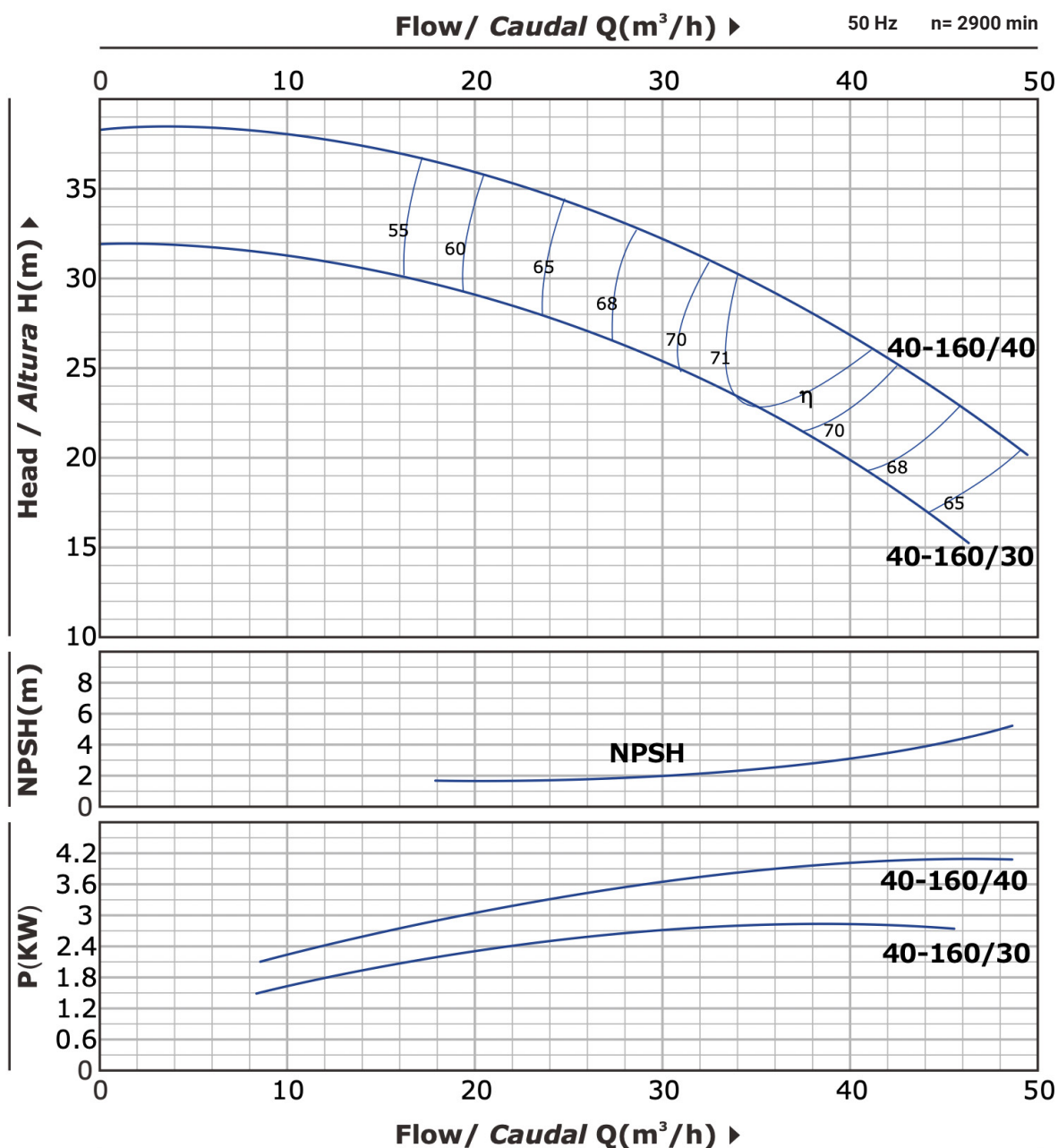
### 40-125



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT |                           |                   |       |                          |      |     |                                 |      |      |      |      |    |     |
|---------------------------|-----------|----------------|------|---------|------|-------------------|---------------------------|-------------------|-------|--------------------------|------|-----|---------------------------------|------|------|------|------|----|-----|
|                           |           | ASP.           | IMP. | kW      | Hp   | 220V              | 380V                      | m <sup>3</sup> /h | l/min | 0                        | 18   | 24  | 27                              | 36   | 42   | 48   |      |    |     |
| NM40-125/15               | 65        | 40             | 1,5  | 2,0     | 9,4  | 3,5               | ALTURA DE CARGA EN METROS |                   |       | LOADING HEIGHT IN METRES |      |     | HAUTEUR DE CHARGEMENT EN MÈTRES |      |      |      |      |    |     |
| NM40-125/22               | 65        | 40             | 2,2  | 3,0     | 13,4 | 4,7               | 18,1                      | 17,0              | 15,0  | 11,5                     | 10,1 | 5,8 | 24,5                            | 23,2 | 21,5 | 20,2 | 16,0 | 13 | 8,3 |

## 2. CURVAS CURVES COURBES

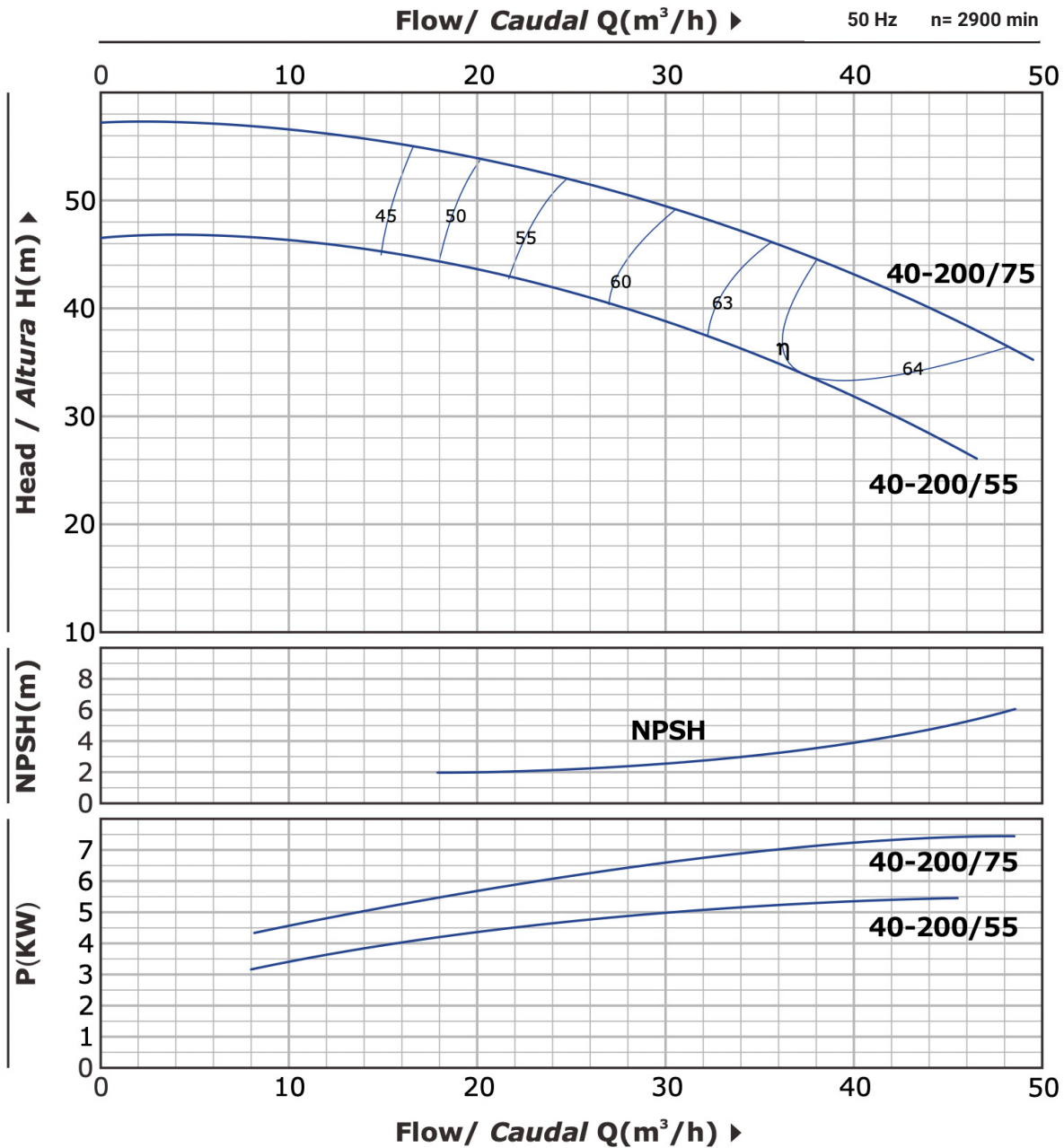
### 40-160



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm)                 |      | P <sub>2</sub> |     | INT (A) |      | CAUDAL FLOW DÉBIT        |     |     |                                 |     |     |     |
|---------------------------|---------------------------|------|----------------|-----|---------|------|--------------------------|-----|-----|---------------------------------|-----|-----|-----|
|                           | ASP.                      | IMP. | kW             | Hp  | 220V    | 380V | m <sup>3</sup> /h        |     |     |                                 |     |     |     |
| NM40-160/30               | 65                        | 40   | 3,0            | 4,0 | 18,0    | 6,4  | 0                        | 18  | 24  | 27                              | 36  | 42  | 48  |
| NM40-160/40               | 65                        | 40   | 4,0            | 5,5 | -       | 8,2  | 0                        | 300 | 400 | 450                             | 600 | 700 | 800 |
|                           | ALTURA DE CARGA EN METROS |      |                |     |         |      | LOADING HEIGHT IN METRES |     |     | HAUTEUR DE CHARGEMENT EN MÈTRES |     |     |     |
|                           | 31,8    29,5    27,5      |      |                |     |         |      | 26,3                     |     |     | 21,5    17,5                    |     |     |     |
|                           | 38,0    36,0    34,0      |      |                |     |         |      | 33,0                     |     |     | 28,5    25,0    20,1            |     |     |     |

## 2. CURVAS CURVES COURBES

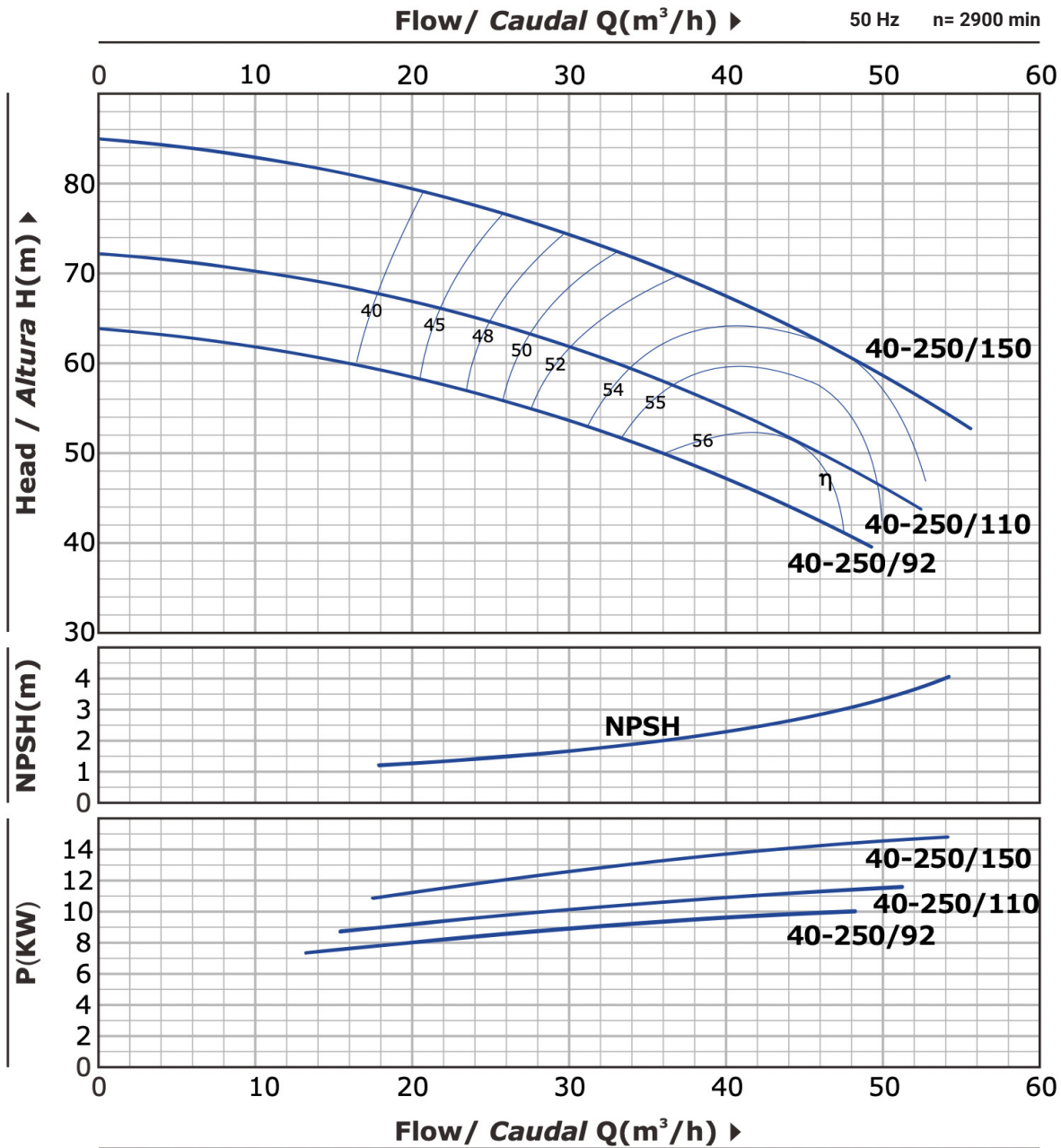
### 40-200



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT               |       |
|---------------------------|-----------|------|----------------|------|---------|------|---------------------------------|-------|
|                           | ASP.      | IMP. | kW             | Hp   | 220V    | 380V | m <sup>3</sup> /h               | l/min |
| NM40-200/55*              | 65        | 40   | 5,5            | 7,5  | -       | 11.1 | 0                               | 300   |
| NM40-200/75*              | 65        | 40   | 7,5            | 10,0 | -       | 15,0 | 18                              | 400   |
|                           |           |      |                |      |         |      | 24                              | 450   |
|                           |           |      |                |      |         |      | 27                              | 600   |
|                           |           |      |                |      |         |      | 36                              | 700   |
|                           |           |      |                |      |         |      | 42                              | 800   |
|                           |           |      |                |      |         |      | 48                              |       |
|                           |           |      |                |      |         |      | ALTURA DE CARGA EN METROS       |       |
|                           |           |      |                |      |         |      | LOADING HEIGHT IN METRES        |       |
|                           |           |      |                |      |         |      | HAUTEUR DE CHARGEMENT EN MÈTRES |       |
|                           |           |      |                |      |         |      | 46,0                            | 43,8  |
|                           |           |      |                |      |         |      | 41,3                            | 40,1  |
|                           |           |      |                |      |         |      | 35,0                            | 30,0  |
|                           |           |      |                |      |         |      | 57,0                            | 53,6  |
|                           |           |      |                |      |         |      | 51,5                            | 50,0  |
|                           |           |      |                |      |         |      | 45,0                            | 41,0  |
|                           |           |      |                |      |         |      | 36,5                            |       |

\* Modelos con impulsor en acero INOX  
Models with stainless steel impeller  
Modèles avec roue en acier inoxydable

## 2. CURVAS CURVES COURBES 40-250

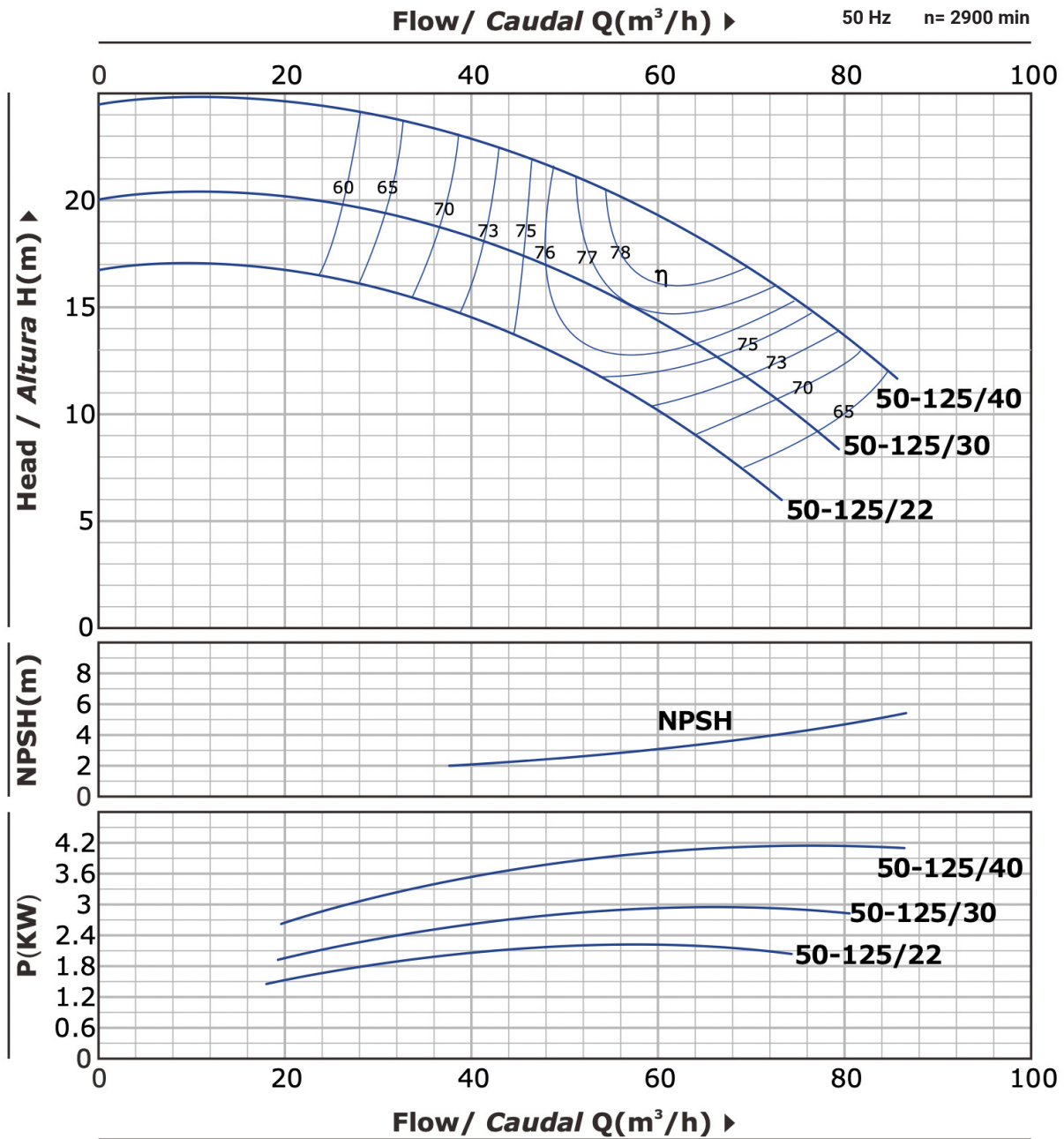


| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |                          | INT (A) |      | CAUDAL FLOW DÉBIT               |  |                   |       |   |    |    |    |                           |    |    |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |
|---------------------------|-----------|----------------|--------------------------|---------|------|---------------------------------|--|-------------------|-------|---|----|----|----|---------------------------|----|----|--------------------------|--|--|---------------------------------|--|--|------|------|------|------|------|------|------|
|                           |           | ASP.           | IMP.                     | kW      | Hp   | 220V                            | 380V   | m <sup>3</sup> /h | l/min | 0 | 18 | 24 | 27 | 36                        | 42 | 48 |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |
| NM40-250/110              | 65        | 40             | 11,0                     | 15,0    | -    | 21,8                            | <table border="1"> <thead> <tr> <th colspan="3">ALTURA DE CARGA EN METROS</th> <th colspan="3">LOADING HEIGHT IN METRES</th> <th colspan="3">HAUTEUR DE CHARGEMENT EN MÈTRES</th> </tr> <tr> <th>72,0</th> <th>67,5</th> <th>66,0</th> <th>63,5</th> <th>57,5</th> <th>52,2</th> <th>47,0</th> </tr> </thead> </table> |                   |       |   |    |    |    | ALTURA DE CARGA EN METROS |    |    | LOADING HEIGHT IN METRES |  |  | HAUTEUR DE CHARGEMENT EN MÈTRES |  |  | 72,0 | 67,5 | 66,0 | 63,5 | 57,5 | 52,2 | 47,0 |
| ALTURA DE CARGA EN METROS |           |                | LOADING HEIGHT IN METRES |         |      | HAUTEUR DE CHARGEMENT EN MÈTRES |  |                   |       |   |    |    |    |                           |    |    |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |
| 72,0                      | 67,5      | 66,0           | 63,5                     | 57,5    | 52,2 | 47,0                            |  |                   |       |   |    |    |    |                           |    |    |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |
| NM40-250/150              | 65        | 40             | 15,0                     | 20,0    | -    | 29,4                            | <table border="1"> <thead> <tr> <th colspan="3">ALTURA DE CARGA EN METROS</th> <th colspan="3">LOADING HEIGHT IN METRES</th> <th colspan="3">HAUTEUR DE CHARGEMENT EN MÈTRES</th> </tr> <tr> <th>84,5</th> <th>80,0</th> <th>77,3</th> <th>75,2</th> <th>71,0</th> <th>65,0</th> <th>61,0</th> </tr> </thead> </table> |                   |       |   |    |    |    | ALTURA DE CARGA EN METROS |    |    | LOADING HEIGHT IN METRES |  |  | HAUTEUR DE CHARGEMENT EN MÈTRES |  |  | 84,5 | 80,0 | 77,3 | 75,2 | 71,0 | 65,0 | 61,0 |
| ALTURA DE CARGA EN METROS |           |                | LOADING HEIGHT IN METRES |         |      | HAUTEUR DE CHARGEMENT EN MÈTRES |  |                   |       |   |    |    |    |                           |    |    |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |
| 84,5                      | 80,0      | 77,3           | 75,2                     | 71,0    | 65,0 | 61,0                            |  |                   |       |   |    |    |    |                           |    |    |                          |  |  |                                 |  |  |      |      |      |      |      |      |      |



## 2. CURVAS CURVES COURBES

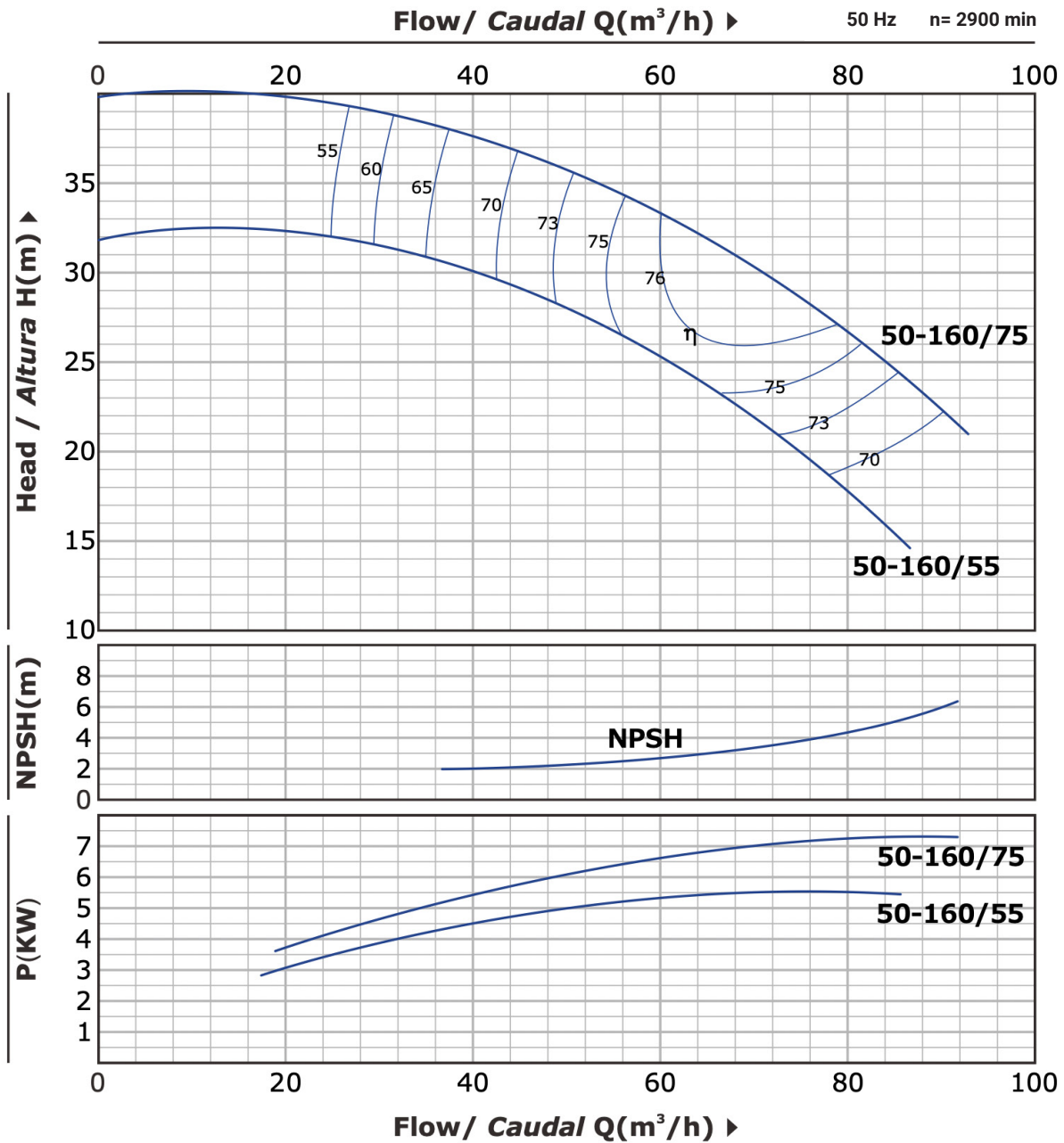
### 50-125



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |      | CAUDAL |      | FLOW |       | DÉBIT |       |      |      |
|---------------------------|-----------|----------------|------|---------|------|--------|------|------|-------|-------|-------|------|------|
|                           |           | ASP.           | IMP. | kW      | Hp   | 220V   | 380V | m³/h | l/min | m³/h  | l/min |      |      |
| NM50-125/30               | 65        | 50             | 3,0  | 4,0     | 18,0 | 6,4    | 20,0 | 18,8 | 18,0  | 17,0  | 15,6  | 11,0 |      |
| NM50-125/40               | 65        | 50             | 4,0  | 5,5     | -    | 8,2    | 24,0 | 23,1 | 23,0  | 21,5  | 20,3  | 15,8 | 11,8 |

## 2. CURVAS CURVES COURBES

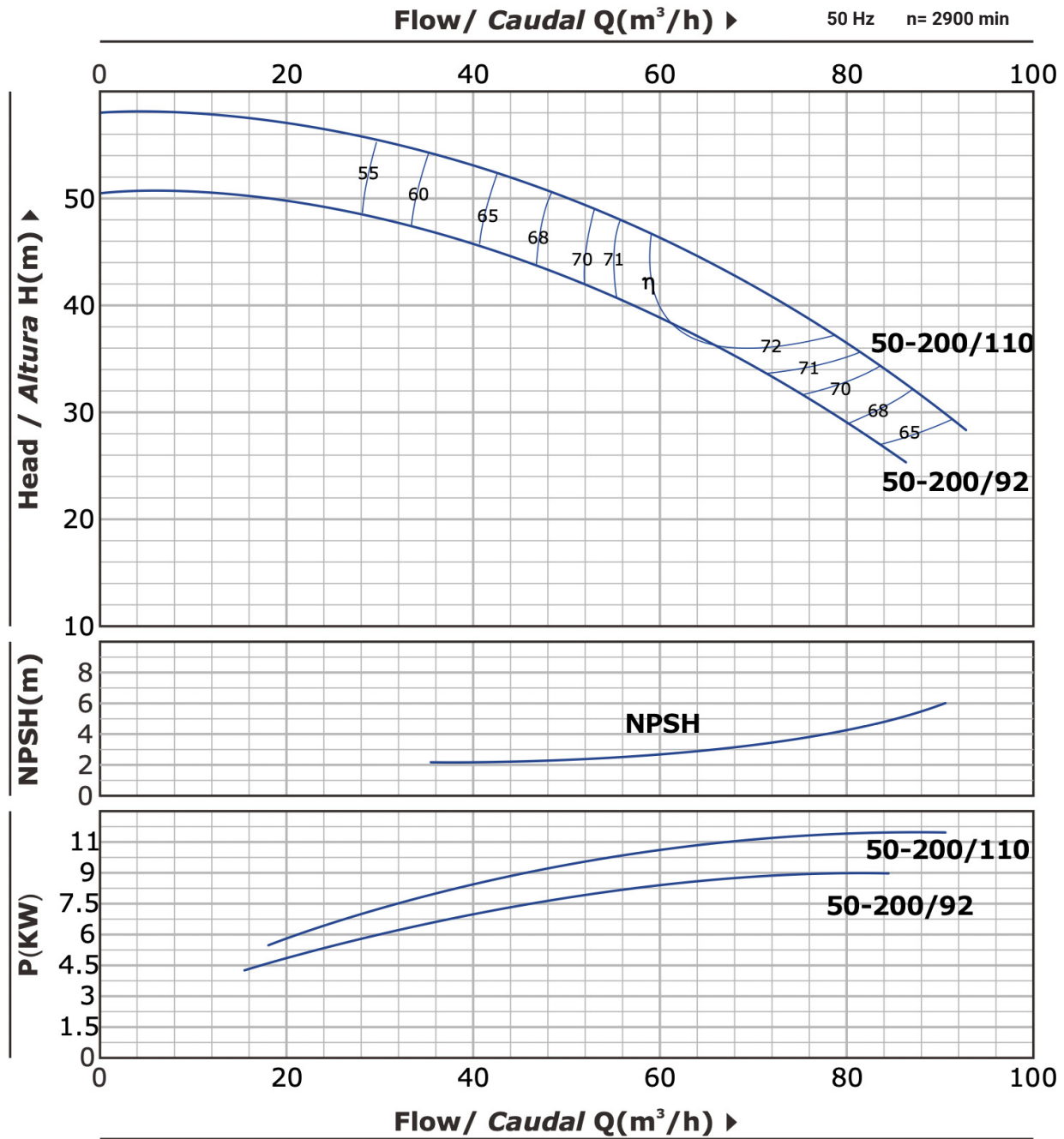
### 50-160



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT         |      |      |                          |      |      |                                 |       |       |
|---------------------------|-----------|------|----------------|------|---------|------|---------------------------|------|------|--------------------------|------|------|---------------------------------|-------|-------|
|                           | ASP.      | IMP. | kW             | Hp   | 220V    | 380V | m <sup>3</sup> /h         | 0    | 36   | 42                       | 48   | 54   | 72                              | 84    | 90    |
| NM50-160/55               | 65        | 50   | 5,5            | 7,5  | -       | 11,1 | l/min                     | 0    | 600  | 700                      | 800  | 900  | 1.200                           | 1.400 | 1.500 |
|                           |           |      |                |      |         |      | ALTURA DE CARGA EN METROS |      |      | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |       |       |
| NM50-160/75               | 65        | 50   | 7,5            | 10,0 | -       | 15,0 |                           | 32,0 | 30,6 | 30,0                     | 28,0 | 26,6 | 20,5                            | 14,8  |       |
|                           |           |      |                |      |         |      |                           | 40,0 | 38,0 | 37,0                     | 36,0 | 34,4 | 29,0                            | 24,0  | 21,0  |

## 2. CURVAS CURVES COURBES

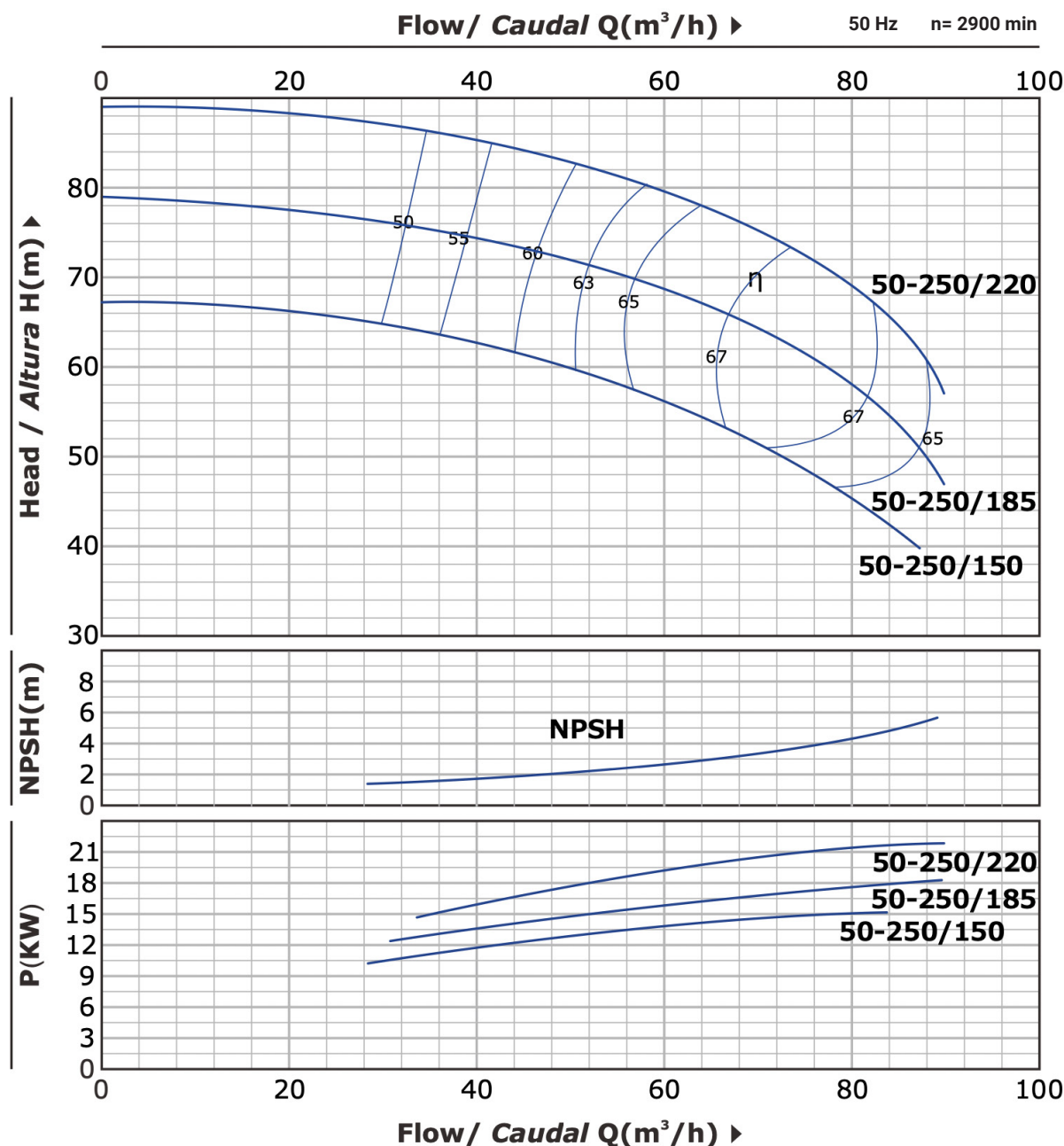
### 50-200



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |    | CAUDAL FLOW DÉBIT |  |                   |       |      |      |      |      |      |    |
|---------------------------|-----------|----------------|------|---------|----|-------------------|--|-------------------|-------|------|------|------|------|------|----|
|                           |           | ASP.           | IMP. | kW      | Hp | 220V              | 380V   | m <sup>3</sup> /h | l/min | 0    | 36   | 42   | 48   | 54   | 72 |
| NM50-200/92               | 65        | 50             | 9,2  | 12,5    | -  | 19,0              | ALTURA DE CARGA EN METROS    LOADING HEIGHT IN METRES    HAUTEUR DE CHARGEMENT EN MÈTRES |                   |       |      |      |      |      |      |    |
|                           |           |                |      |         |    |                   | 50,5   | 46,8              | 45,0  | 43,0 | 40,9 | 32,5 | 25,7 |      |    |
| NM50-200/110              | 65        | 50             | 11,0 | 15,0    | -  | 21,8              | 57,5   | 53,5              | 52,0  | 50,0 | 47,5 | 40,0 | 33,0 | 29,0 |    |

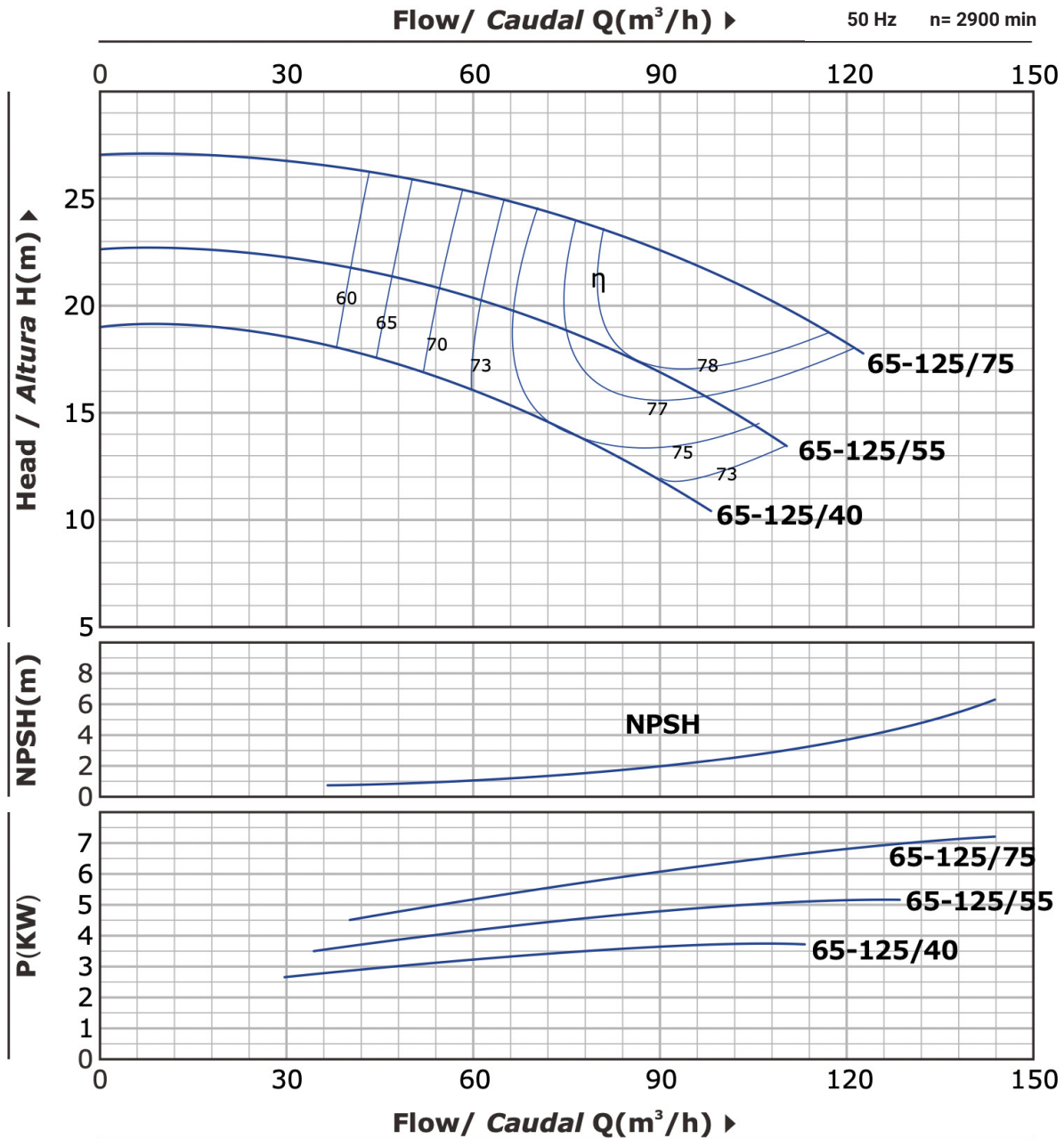
## 2. CURVAS CURVES COURBES

### 50-250



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |    | INT (A) |      | CAUDAL FLOW DÉBIT         |      |      |      |      |      |      |    |    |                          |   |     |     |     |     |       |       |       |                                 |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |
|---------------------------|-----------|------|----------------|----|---------|------|---------------------------|------|------|------|------|------|------|----|----|--------------------------|---|-----|-----|-----|-----|-------|-------|-------|---------------------------------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|
|                           | ASP.      | IMP. | kW             | Hp | 220V    | 380V | m <sup>3</sup> /h         | 0    | 36   | 42   | 48   | 54   | 72   | 84 | 90 | l/min                    | 0 | 600 | 700 | 800 | 900 | 1.200 | 1.400 | 1.500 |                                 |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |
| NM50-250/150              |           |      |                |    |         |      | ALTURA DE CARGA EN METROS |      |      |      |      |      |      |    |    | LOADING HEIGHT IN METRES |   |     |     |     |     |       |       |       | HAUTEUR DE CHARGEMENT EN MÈTRES |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |
|                           |           |      |                |    |         |      | 68,5                      | 64,0 | 63,0 | 61,5 | 59,0 | 50,0 | 41,0 |    |    |                          |   |     |     |     |     |       |       |       |                                 |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |
| NM50-250/185              |           |      |                |    |         |      | 79,0                      |      |      |      |      |      |      |    |    | 75,8                     |   |     |     |     |     |       |       |       | 74,8                            |  |  |  |  |  |  |  |  | 74,0 |  |  |  |  |  |  |  |  | 71,5 |  |  |  |  |  |  |  |  | 63,5 |  |  |  |  |  |  |  |  | 55,5 |  |  |  |  |  |  |  |  | 47,0 |  |  |  |  |  |  |  |  |
|                           |           |      |                |    |         |      |                           |      |      |      |      |      |      |    |    |                          |   |     |     |     |     |       |       |       |                                 |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |
| NM50-250/220              |           |      |                |    |         |      | 89,5                      |      |      |      |      |      |      |    |    | 86,0                     |   |     |     |     |     |       |       |       | 85,3                            |  |  |  |  |  |  |  |  | 84,0 |  |  |  |  |  |  |  |  | 81,5 |  |  |  |  |  |  |  |  | 73,5 |  |  |  |  |  |  |  |  | 65,5 |  |  |  |  |  |  |  |  | 57,0 |  |  |  |  |  |  |  |  |
|                           |           |      |                |    |         |      |                           |      |      |      |      |      |      |    |    |                          |   |     |     |     |     |       |       |       |                                 |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |

## 2. CURVAS CURVES COURBES 65-125

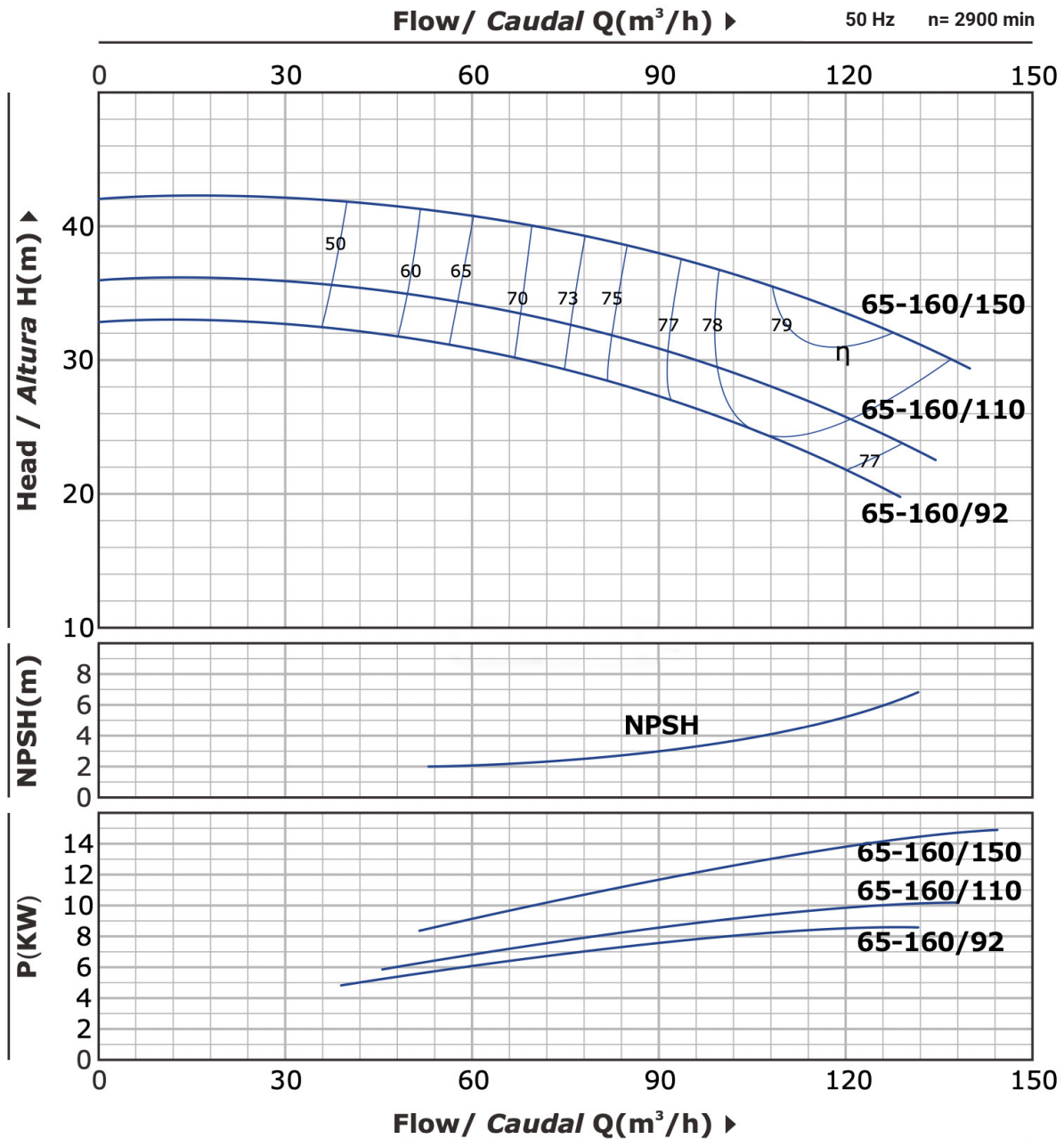


| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |    | CAUDAL FLOW DÉBIT |                           |                   |       |                          |      |      |                                 |      |    |     |     |     |
|---------------------------|-----------|----------------|------|---------|----|-------------------|---------------------------|-------------------|-------|--------------------------|------|------|---------------------------------|------|----|-----|-----|-----|
|                           |           | ASP.           | IMP. | kW      | Hp | 220V              | 380V                      | m <sup>3</sup> /h | l/min | 0                        | 48   | 54   | 72                              | 84   | 90 | 108 | 120 | 138 |
| NM65-125/55               | 80        | 65             | 5,5  | 7,5     | -  | 11,1              | ALTURA DE CARGA EN METROS |                   |       | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |    |     |     |     |
| NM65-125/55               |           |                |      |         |    |                   | 23,0                      | 21,3              | 20,9  | 19,0                     | 17,5 | 16,7 | 13,7                            |      |    |     |     |     |
| NM65-125/75               | 80        | 65             | 7,5  | 10,0    | -  | 15,0              | 27,0                      | 26,0              | 25,6  | 24,5                     | 23,0 | 22,5 | 20,0                            | 18,0 |    |     |     |     |



## 2. CURVAS CURVES COURBES

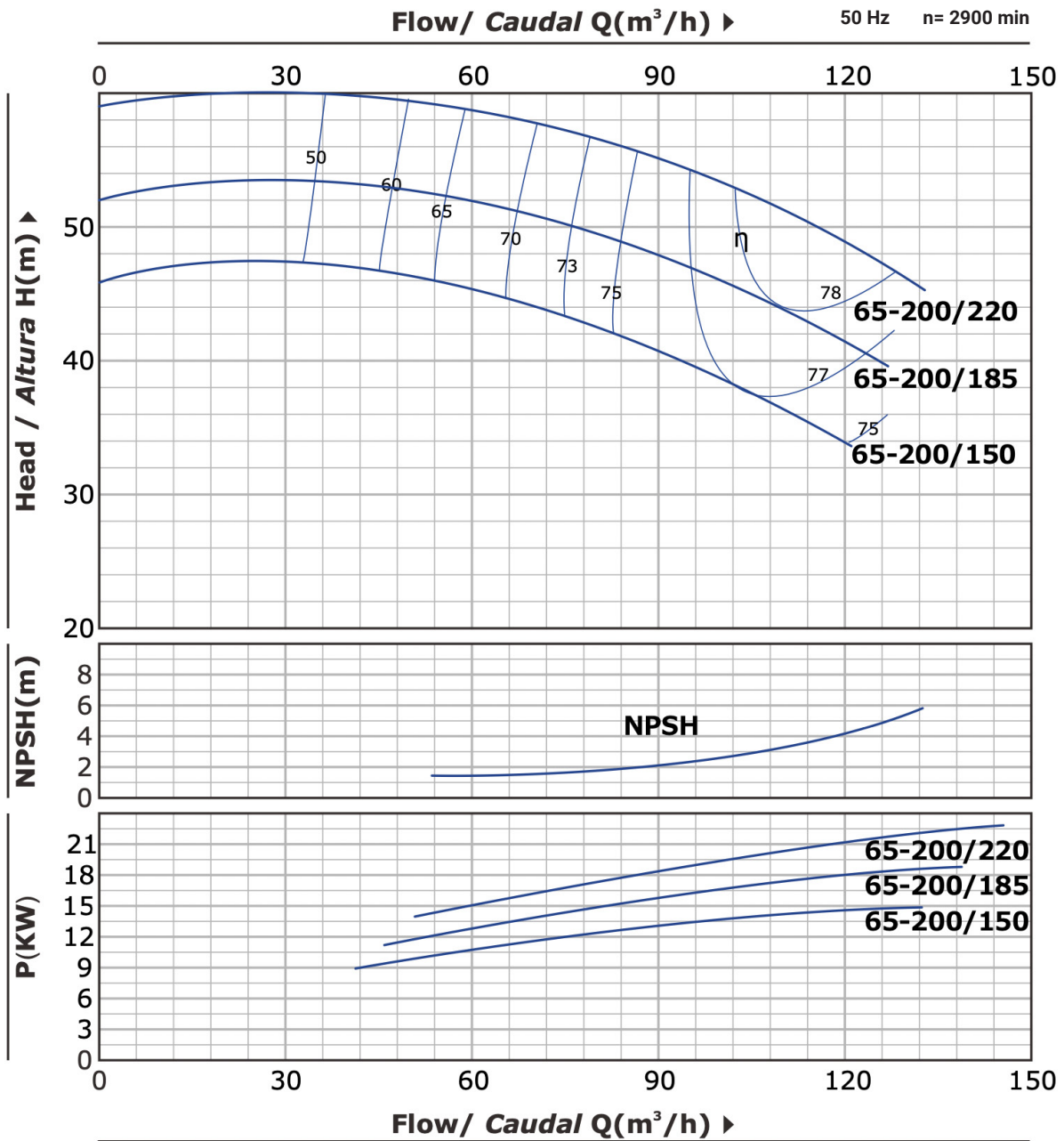
### 65-160



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT |   |     |     |       |       |       |       |                           |       |                          |      |                                 |      |
|---------------------------|-----------|------|----------------|------|---------|------|-------------------|---|-----|-----|-------|-------|-------|-------|---------------------------|-------|--------------------------|------|---------------------------------|------|
|                           | ASP.      | IMP. | kW             | Hp   | 220V    | 380V | m <sup>3</sup> /h | 0 | 48  | 54  | 72    | 84    | 90    | 108   | 120                       | 138   |                          |      |                                 |      |
| NM65-160/110              | 80        | 65   | 11,0           | 15,0 | -       | 21.8 | l/min             | 0 | 800 | 900 | 1.200 | 1.400 | 1.600 | 1.800 | 2.000                     | 2.300 |                          |      |                                 |      |
| NM65-160/150              | 80        |      | 65             |      | 15,0    |      | 20,0              |   | -   |     | -     |       | -     |       | ALTURA DE CARGA EN METROS |       | LOADING HEIGHT IN METRES |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |
|                           |           |      |                |      |         |      |                   |   |     |     |       |       |       |       | 36,0                      | 34,5  | 33,0                     | 31,5 | 30,8                            | 28,0 |

## 2. CURVAS CURVES COURBES

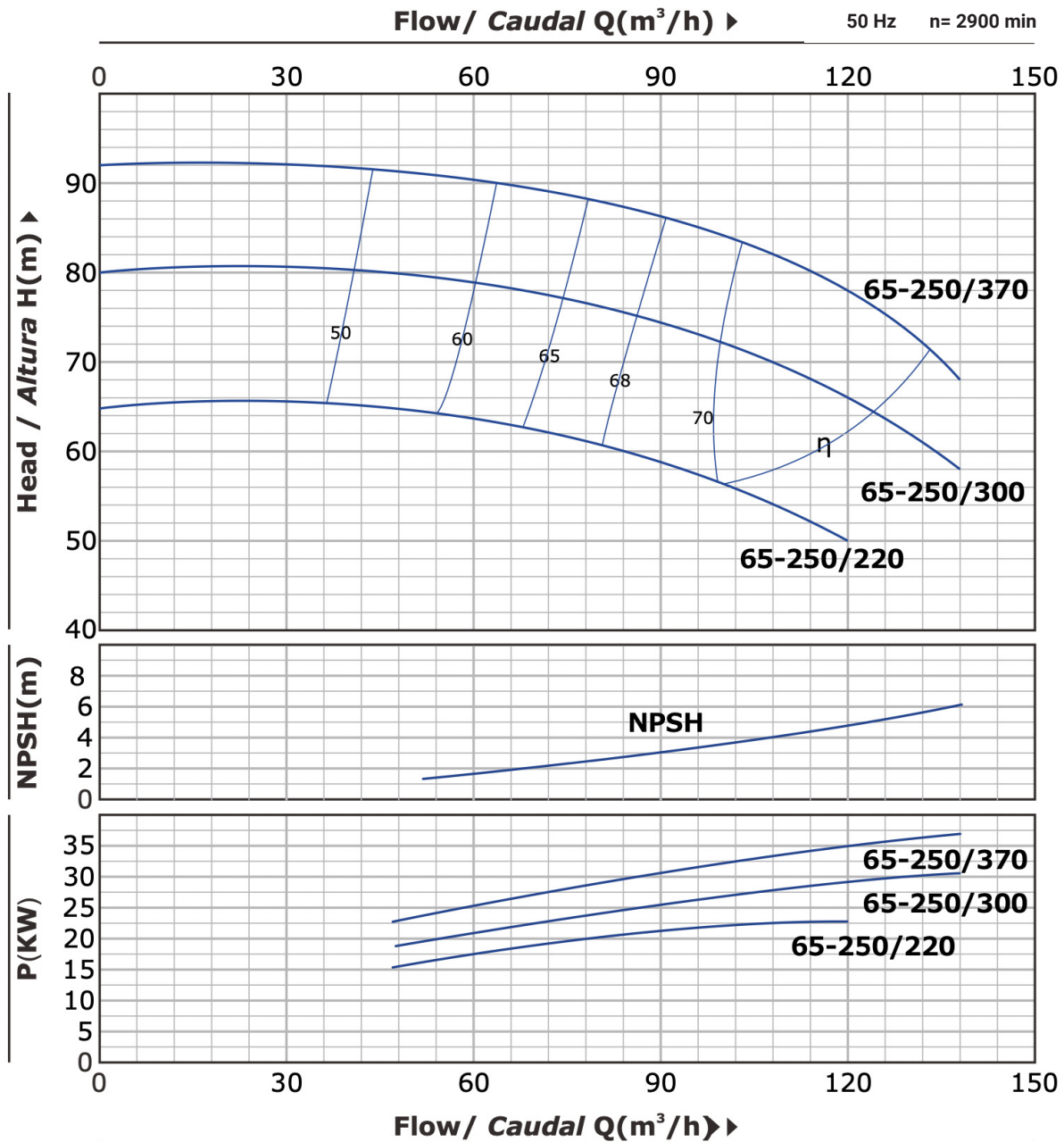
### 65-200



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm)                 |      | P <sub>2</sub>           |      | INT (A)                         |      | CAUDAL FLOW DÉBIT |   |      |     |       |       |       |       |       |       |  |
|---------------------------|---------------------------|------|--------------------------|------|---------------------------------|------|-------------------|---|------|-----|-------|-------|-------|-------|-------|-------|--|
|                           | ASP.                      | IMP. | kW                       | Hp   | 220V                            | 380V | m <sup>3</sup> /h | 0 | 48   | 54  | 72    | 84    | 90    | 108   | 120   | 138   |  |
| NM65-200/150              | 80                        | 65   | 15,0                     | 20,0 | -                               | 29.4 | l/min             | 0 | 800  | 900 | 1.200 | 1.400 | 1.600 | 1.800 | 2.000 | 2.300 |  |
| NPSH                      | ALTURA DE CARGA EN METROS |      | LOADING HEIGHT IN METRES |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |                   |   |      |     |       |       |       |       |       |       |  |
|                           | 45,0                      |      | 45,5                     |      | 43,0                            |      | 41,0              |   | 40,2 |     | 36,5  |       | 34,0  |       |       |       |  |
| NM65-200/185              | 52,0                      |      | 52,3                     |      | 51,0                            |      | 49,0              |   | 48,2 |     | 44,5  |       | 42,5  |       |       |       |  |
|                           | 59,0                      |      | 59,5                     |      | 58,0                            |      | 56,0              |   | 55,0 |     | 52,0  |       | 49,5  |       | 44,5  |       |  |

## 2. CURVAS CURVES COURBES

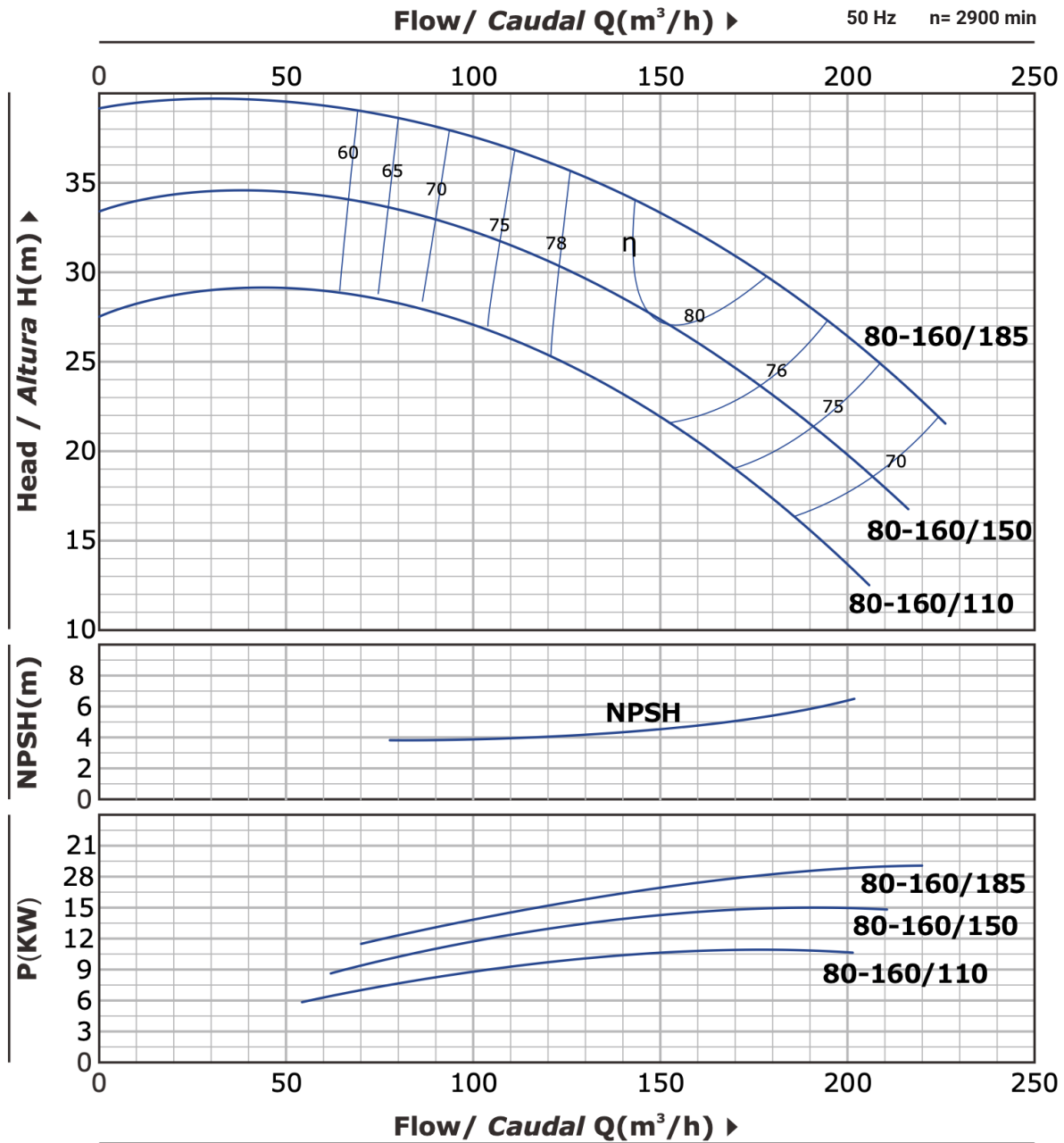
### 65-250



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |    | CAUDAL FLOW DÉBIT |                           |                   |       |                          |      |      |                                 |      |      |      |      |      |      |      |      |
|---------------------------|-----------|----------------|------|---------|----|-------------------|---------------------------|-------------------|-------|--------------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|
|                           |           | ASP.           | IMP. | kW      | Hp | 220V              | 380V                      | m <sup>3</sup> /h | l/min | 0                        | 48   | 54   | 72                              | 84   | 90   | 108  | 120  | 138  |      |      |      |
| NM65-250/220              | 80        | 65             | 22,0 | 30,0    | -  | 42.2              | ALTURA DE CARGA EN METROS |                   |       | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |      |      |      |      |      |      |      |      |
| NM65-250/300              | 80        | 65             | 30,0 | 40,0    | -  | 56.9              | 64,8                      | 64,7              | 62,0  | 60,0                     | 58,5 | 53,0 | 50,0                            | 80,0 | 79,8 | 77,5 | 75,5 | 74,5 | 70,0 | 66,0 | 58,0 |

## 2. CURVAS CURVES COURBES

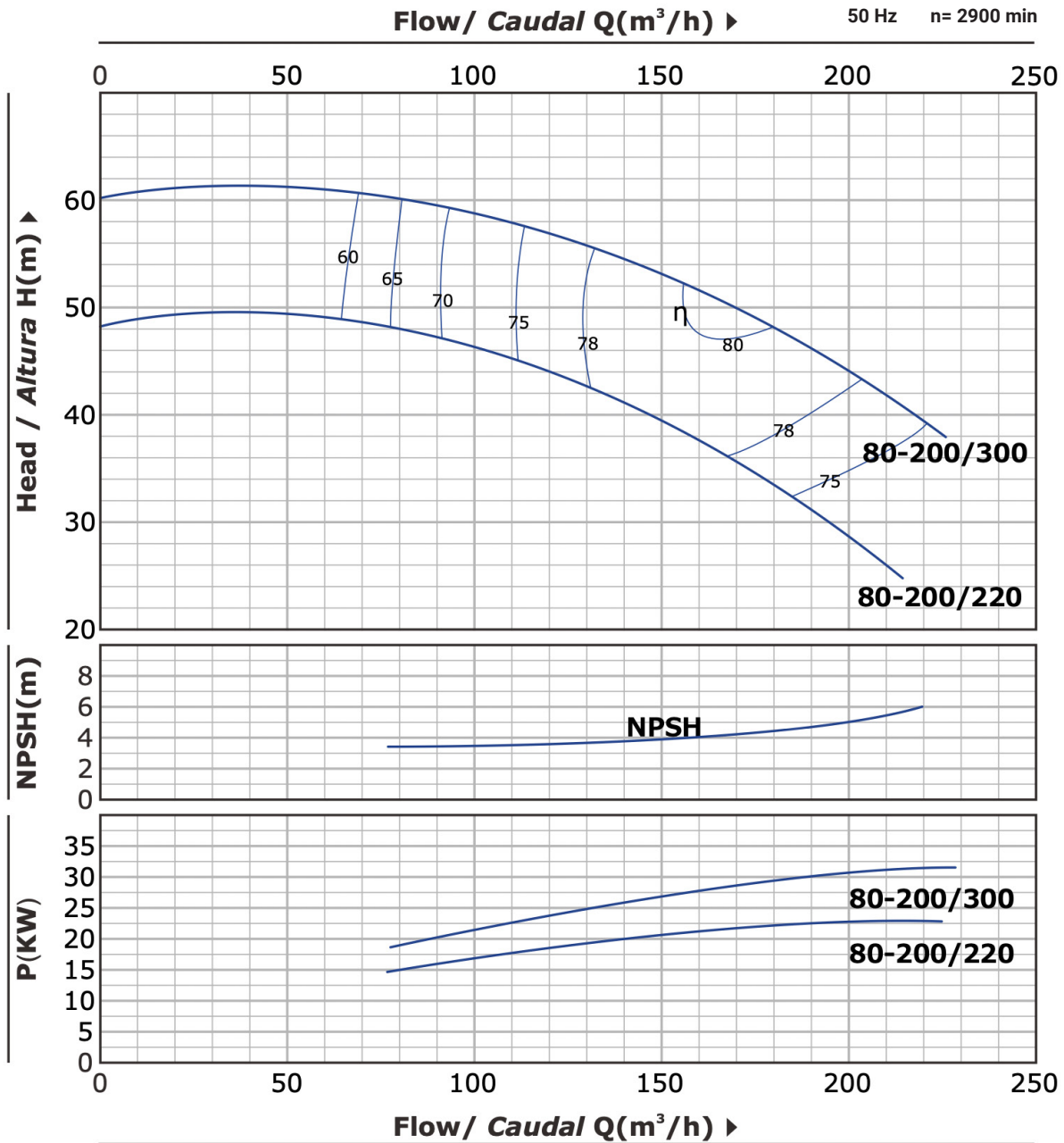
### 80-160



| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) |      | P <sub>2</sub> |      | INT (A) |      | CAUDAL FLOW DÉBIT         |      |                          |       |                                 |       |       |       |
|---------------------------|-----------|------|----------------|------|---------|------|---------------------------|------|--------------------------|-------|---------------------------------|-------|-------|-------|
|                           | ASP.      | IMP. | kW             | Hp   | 220V    | 380V | m <sup>3</sup> /h         | 0    | 90                       | 108   | 120                             | 138   | 180   | 210   |
| NM80-160/110              | 100       | 80   | 11,0           | 15,0 | -       | 21.8 | l/min                     | 0    | 1.500                    | 1.800 | 2.000                           | 2.300 | 3.000 | 3.500 |
| NM80-160/150              |           |      |                |      |         |      | ALTURA DE CARGA EN METROS |      | LOADING HEIGHT IN METRES |       | HAUTEUR DE CHARGEMENT EN MÈTRES |       |       |       |
|                           |           |      |                |      |         |      | 27,0                      | 27,3 | 26,0                     | 24,5  | 22,5                            | 16,0  |       |       |
| NM80-160/185              |           |      |                |      |         |      | 32,8                      |      | 31,3                     |       | 28,5                            |       |       |       |
|                           |           |      |                |      |         |      | 32,5                      | 31,3 | 30,2                     | 28,5  | 22,1                            | 16,7  |       |       |
|                           |           |      |                |      |         | 39,0 |                           | 36,8 |                          | 33,8  |                                 |       |       |       |
|                           |           |      |                |      |         | 38,0 |                           | 36,7 |                          | 28,8  |                                 |       |       |       |

## 2. CURVAS CURVES COURBES

### 80-200

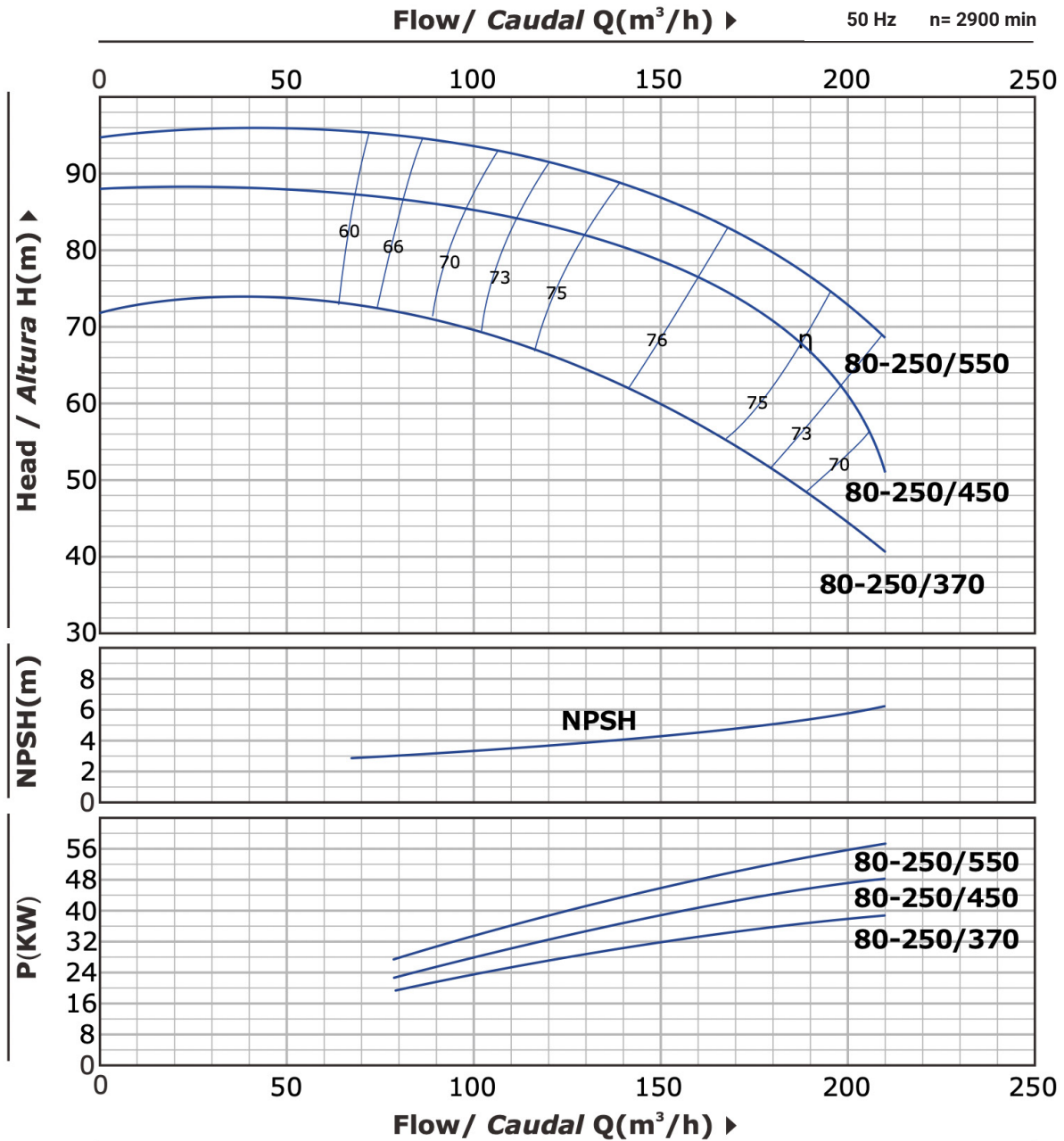


| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |    | CAUDAL FLOW DÉBIT |                           |      |       |                          |      |      |                                 |     |     |
|---------------------------|-----------|----------------|------|---------|----|-------------------|---------------------------|------|-------|--------------------------|------|------|---------------------------------|-----|-----|
|                           |           | ASP.           | IMP. | kW      | Hp | 220V              | 380V                      | m³/h | l/min | 0                        | 90   | 108  | 120                             | 138 | 180 |
| NM80-200/220              | 100       | 80             | 22,0 | 30,0    | -  | 42,2              | ALTURA DE CARGA EN METROS |      |       | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |     |     |
|                           |           |                |      |         |    |                   | 48,0                      | 47,5 | 45,5  | 43,5                     | 41,0 | 32,5 | 24,5                            |     |     |
| NM80-200/300              | 100       | 80             | 30,0 | 40,0    | -  | 56,9              | 60,0                      | 59,5 | 58,0  | 57,0                     | 54,5 | 47,0 | 40,5                            |     |     |



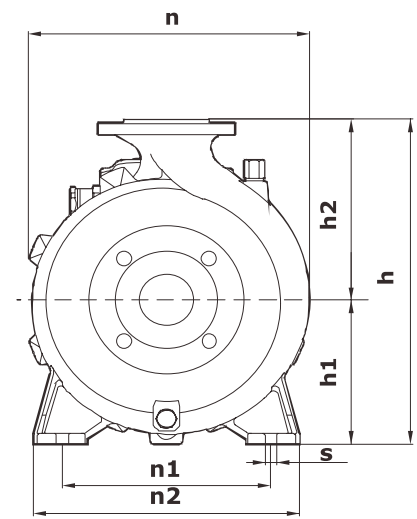
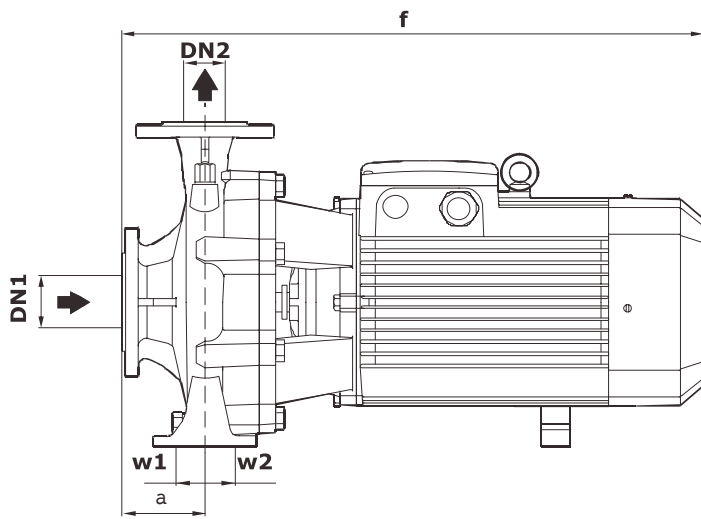
## 2. CURVAS CURVES COURBES

### 80-250



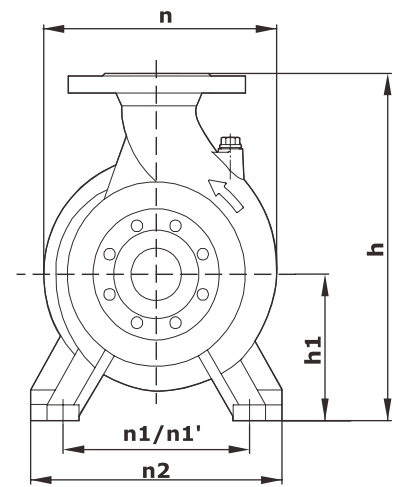
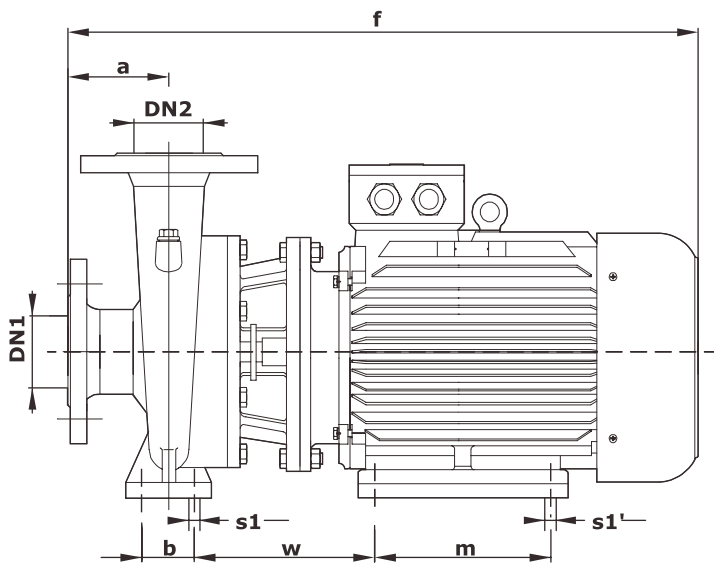
| MODELO<br>MODEL<br>MODÈLE | DN Ø (mm) | P <sub>2</sub> |      | INT (A) |    | CAUDAL FLOW DÉBIT |                           |      |       |                          |      |      |                                 |     |     |     |
|---------------------------|-----------|----------------|------|---------|----|-------------------|---------------------------|------|-------|--------------------------|------|------|---------------------------------|-----|-----|-----|
|                           |           | ASP.           | IMP. | kW      | Hp | 220V              | 380V                      | m³/h | l/min | 0                        | 90   | 108  | 120                             | 138 | 180 | 210 |
| NM80-250/370              | 100       | 80             | 37,0 | 50,0    | -  | v                 | ALTURA DE CARGA EN METROS |      |       | LOADING HEIGHT IN METRES |      |      | HAUTEUR DE CHARGEMENT EN MÈTRES |     |     |     |
|                           |           |                |      |         |    |                   | 71,5                      | 70,5 | 67,5  | 65,5                     | 61,5 | 49,5 | 38,5                            |     |     |     |

### 3. MEDIDAS MEASURES MESURES



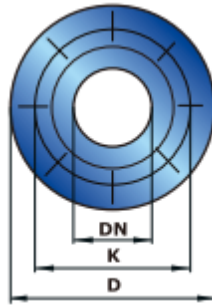
| MODELO<br>MODEL<br>MODÈLE | DIMENSIONES |     |     |     |     |     |     |     |     |     |    |    |    | PESO<br>WEIGHT<br>POIDS<br>(kg) |     |
|---------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|---------------------------------|-----|
|                           | DN1         | DN2 | a   | f   | h   | h1  | h2  | n   | n1  | n2  | w1 | w2 | s  | MONO                            | TRI |
| 32-160/15                 | 50          | 32  | 83  | 435 | 295 | 133 | 162 | 245 | 190 | 245 | 37 | 37 | 8  | 38                              | 34  |
| 32-160/22                 | 50          | 32  | 83  | 435 | 295 | 133 | 162 | 245 | 190 | 245 | 37 | 37 | 8  | 43                              | 39  |
| 32-160/30                 | 50          | 32  | 83  | 470 | 295 | 133 | 162 | 245 | 190 | 245 | 37 | 37 | 8  | -                               | 50  |
| 32-200/30                 | 50          | 32  | 82  | 490 | 342 | 161 | 181 | 265 | 190 | 240 | 37 | 37 | 8  | -                               | 52  |
| 32-200/40                 | 50          | 32  | 82  | 490 | 342 | 161 | 181 | 265 | 190 | 240 | 37 | 37 | 8  | -                               | 53  |
| 32-250/55                 | 50          | 32  | 88  | 590 | 405 | 186 | 219 | 333 | 250 | 328 | 49 | 49 | 10 | -                               | 66  |
| 32-250/75                 | 50          | 32  | 88  | 590 | 405 | 186 | 219 | 333 | 250 | 328 | 49 | 49 | 10 | -                               | 73  |
| 40-125/15                 | 65          | 40  | 82  | 440 | 260 | 116 | 144 | 220 | 160 | 212 | 37 | 37 | 8  | 33                              | 29  |
| 40-125/22                 | 65          | 40  | 82  | 440 | 260 | 116 | 144 | 220 | 160 | 212 | 37 | 37 | 8  | 38                              | 34  |
| 40-160/30                 | 65          | 40  | 101 | 490 | 305 | 135 | 170 | 250 | 190 | 241 | 37 | 37 | 8  | -                               | 48  |
| 40-160/40                 | 65          | 40  | 101 | 490 | 305 | 135 | 170 | 250 | 190 | 241 | 37 | 37 | 8  | -                               | 50  |
| 40-200/55                 | 65          | 40  | 102 | 560 | 345 | 162 | 193 | 282 | 214 | 267 | 37 | 37 | 8  | -                               | 66  |
| 40-200/75                 | 65          | 40  | 102 | 560 | 345 | 162 | 193 | 282 | 214 | 267 | 37 | 37 | 8  | -                               | 73  |
| 40-250/110                | 65          | 40  | 94  | 712 | 415 | 186 | 229 | 327 | 250 | 327 | 49 | 49 | 10 | -                               | 116 |
| 40-250/150                | 65          | 40  | 94  | 712 | 415 | 186 | 229 | 327 | 250 | 327 | 49 | 49 | 10 | -                               | 146 |
| 50-125/30                 | 65          | 50  | 102 | 525 | 305 | 135 | 170 | 263 | 190 | 245 | 37 | 37 | 8  | 54                              | 50  |
| 50-125/40                 | 65          | 50  | 102 | 525 | 305 | 135 | 170 | 263 | 190 | 245 | 37 | 37 | 8  | -                               | 52  |
| 50-160/55                 | 65          | 50  | 110 | 560 | 345 | 162 | 193 | 270 | 212 | 262 | 37 | 37 | 8  | -                               | 64  |
| 50-160/75                 | 65          | 50  | 110 | 560 | 345 | 162 | 193 | 270 | 212 | 262 | 37 | 37 | 8  | -                               | 71  |
| 50-200/92                 | 65          | 50  | 104 | 722 | 392 | 186 | 206 | 307 | 232 | 307 | 37 | 37 | 8  | -                               | 90  |
| 50-200/110                | 65          | 50  | 104 | 722 | 392 | 186 | 206 | 307 | 232 | 310 | 37 | 37 | 15 | -                               | 106 |
| 50-250/150                | 65          | 50  | 102 | 720 | 416 | 186 | 230 | 330 | 250 | 327 | 49 | 49 | 10 | -                               | 145 |
| 50-250/185                | 65          | 50  | 102 | 720 | 416 | 186 | 230 | 330 | 250 | 327 | 49 | 49 | 10 | -                               | 153 |
| 50-250/220                | 65          | 50  | 102 | 720 | 416 | 186 | 230 | 330 | 250 | 327 | 49 | 49 | 10 | -                               | 183 |

| MODELO<br>MODEL<br>MODÈLE | DIMENSIONES DIMENSIONS DIMENSIONS mm |     |     |     |     |     |     |     |     |     |    |    |    | PESO<br>WEIGHT<br>POIDS<br>(kg) |     |
|---------------------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|---------------------------------|-----|
|                           | DN1                                  | DN2 | a   | f   | h   | h1  | h2  | n   | n1  | n2  | w1 | w2 | s  | MONO                            | TRI |
| 65-125/55                 | 80                                   | 65  | 104 | 580 | 345 | 162 | 193 | 275 | 212 | 275 | 49 | 49 | 10 | -                               | 68  |
| 65-125/75                 | 80                                   | 65  | 104 | 580 | 345 | 162 | 193 | 275 | 212 | 275 | 49 | 49 | 10 | -                               | 74  |
| 65-160/92                 | 80                                   | 65  | 102 | 730 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 90  |
| 65-160/110                | 80                                   | 65  | 102 | 730 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 106 |
| 65-160/150                | 80                                   | 65  | 102 | 730 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 134 |
| 65-200/150                | 80                                   | 65  | 120 | 740 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 140 |
| 65-200/185                | 80                                   | 65  | 120 | 740 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 145 |
| 65-200/220                | 80                                   | 65  | 120 | 740 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 185 |
| 80-160/110                | 100                                  | 80  | 130 | 750 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 113 |
| 80-160/150                | 100                                  | 80  | 130 | 750 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 143 |
| 80-160/185                | 100                                  | 80  | 130 | 750 | 415 | 186 | 230 | 330 | 250 | 330 | 49 | 49 | 10 | -                               | 150 |



| MODELO<br>MODEL<br>MODÈLE | DIMENSIONES DIMENSIONS DIMENSIONS mm |     |     |     |     |     |     |     |     |     |    |     |     |     |     | PESO<br>WEIGHT<br>POIDS<br>(kg) |
|---------------------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|---------------------------------|
|                           | DN1                                  | DN2 | a   | f   | h   | h1  | n   | n1  | n1' | n2  | b  | w   | m   | s1  | s1' |                                 |
| 65-250/220                | 80                                   | 65  | 116 | 870 | 420 | 180 | 369 | 260 | 279 | 320 | 70 | 246 | 241 | 18  | 15  | 210                             |
| 65-250/300                | 80                                   | 65  | 116 | 990 | 456 | 195 | 369 | 250 | 318 | 327 | 70 | 293 | 305 | 188 | 19  | 320                             |
| 80-200/220                | 100                                  | 80  | 118 | 880 | 460 | 250 | 360 | 310 | 279 | 260 | 95 | 258 | 305 | 20  | 19  | 212                             |
| 80-200/300                | 100                                  | 80  | 118 | 950 | 460 | 250 | 360 | 310 | 318 | 260 | 95 | 246 | 241 | 20  | 15  | 222                             |
| 80-250/370                | 100                                  | 80  | 130 | 950 | 537 | 250 | 490 | 310 | 318 | 310 | 95 | 228 | 305 | 20  | 19  | 245                             |

### 3. MEDIDAS MEASURES MESURES



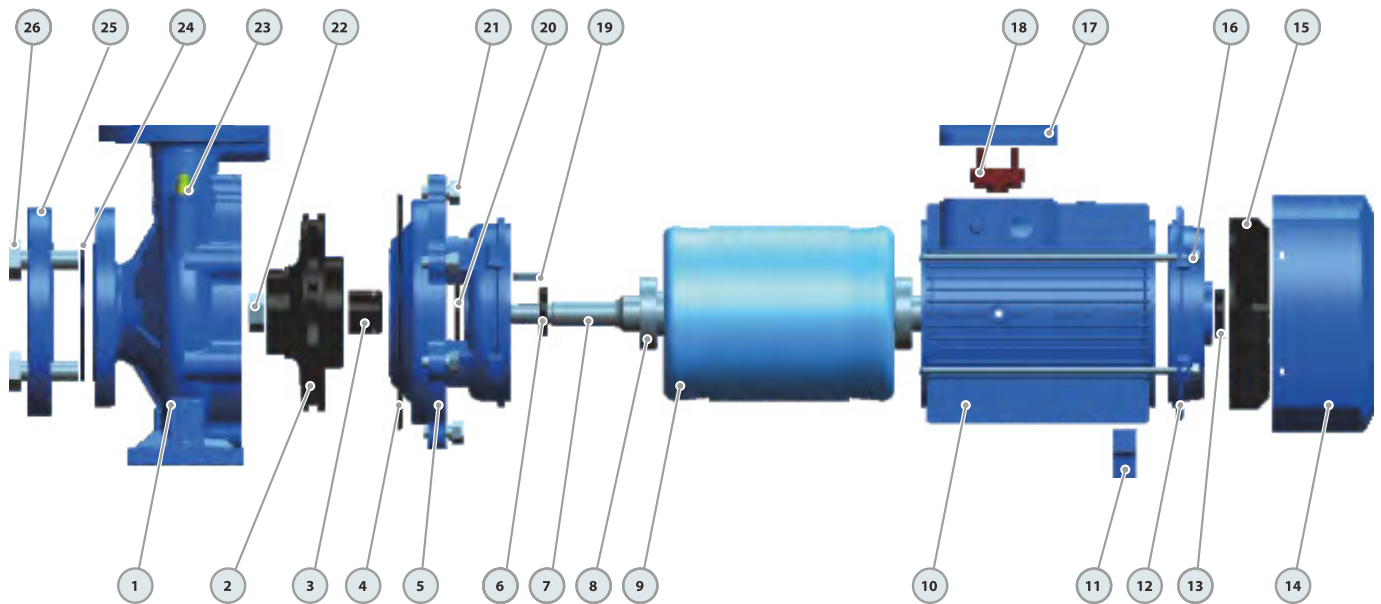
#### CONTRABRIDA/ COUNTER FLANGE/ CONTRE-BRIDE

| DN  | D<br>mm | K<br>mm | ORIFICIOS HOLES TROUS |     |
|-----|---------|---------|-----------------------|-----|
|     |         |         | N                     | ømm |
| 32  | 140     | 100     | 4                     | 18  |
| 40  | 150     | 110     | 4                     | 18  |
| 50  | 165     | 125     | 4                     | 18  |
| 65  | 185     | 145     | 4                     | 18  |
| 80  | 200     | 160     | 8                     | 18  |
| 100 | 220     | 180     | 8                     | 18  |
| 125 | 250     | 210     | 8                     | 18  |
| 150 | 285     | 240     | 8                     | 22  |
| 200 | 340     | 295     | 8                     | 22  |
| 250 | 405     | 355     | 12                    | 26  |

#### TUBERÍA RECOMENDADA/ PIPE RECOMMENDED/ TUYAUTERIE RECOMMANDÉE

| SERIE<br>SERIES<br>GAMME | ASPIRACIÓN<br>SUCTION<br>ASPIRATION | IMPULSIÓN<br>DISCHARGE<br>PROPULSION | TUBERÍA RECOMENDADA<br>PIPE RECOMMENDED<br>TUYAUTERIE RECOMMANDÉE |                         |
|--------------------------|-------------------------------------|--------------------------------------|---|-------------------------|
|                          |                                     |                                      | ASPIRACIÓN  | IMPULSIÓN               |
| 32                       | 50mm                                | 32mm                                 | 2 <sup>1/2</sup> " - 3"   | 2" - 2 <sup>1/2</sup> " |
| 40                       | 65mm                                | 40mm                                 | 3" - 4"   | 2 <sup>1/2</sup> " - 3" |
| 50                       | 65mm                                | 50mm                                 | 4"  | 3"                      |
| 65                       | 80mm                                | 65mm                                 | 5"  | 4"                      |
| 80                       | 100mm                               | 80mm                                 | 6"  | 5"                      |

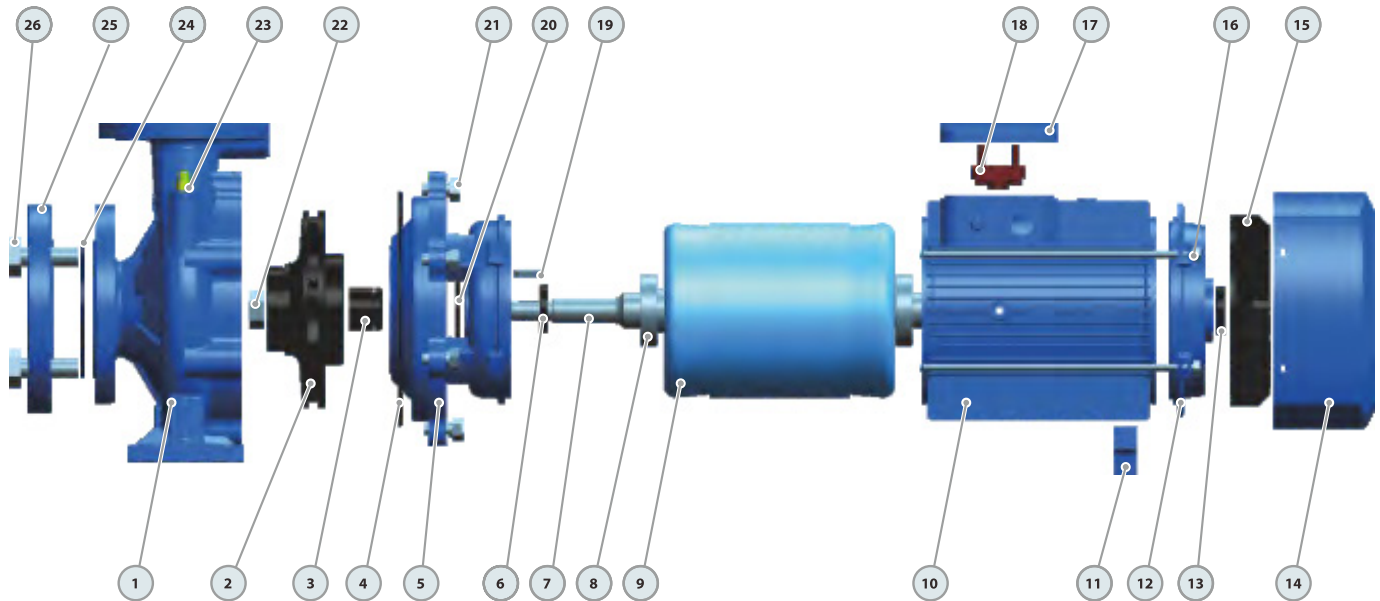
## 4. DESPIECE SPARE PARTS PIÈCES DE RECHANGE



| Nº | Nombre             | Material               |
|----|--------------------|------------------------|
| 1  | Cuerpo de bomba    | Fundición              |
| 2  | Impulsor           | Inox 304/Fundición     |
| 3  | Cierre mecánico    | SiC-Grafito-Inox 304   |
| 4  | Junta tórica       | Caucho                 |
| 5  | Conexión           | Fundición              |
| 6  | Sello reforzado    | Caucho                 |
| 7  | Eje                | Inox 304/45# hierro    |
| 8  | Rodamiento         | Bola rodamiento        |
| 9  | Estator/rotor      | Acero al silicio/cobre |
| 10 | Cuerpo de motor    | Aluminio               |
| 11 | Soporte pie        | Plástico               |
| 12 | Tapa trasera       | Fundición              |
| 13 | Sello reforzado    | Caucho                 |
| 14 | Tapa ventilador    | Aluminio               |
| 15 | Ventilador         | Plástico               |
| 16 | Perno              | Acero                  |
| 17 | Caja de bornes     | Aluminio               |
| 18 | Tablero de bornes  | Plástico               |
| 19 | Chaveta impulsor   | Hierro                 |
| 20 | Deflector          | Caucho                 |
| 21 | Perno              | Acero                  |
| 22 | Tuerca de impulsor | Acero galvanizado      |
| 23 | Tapón cebado       | Bronce                 |
| 24 | Junta              | Caucho                 |
| 25 | Contra brida       | Fundición galvanizado  |
| 26 | Perno de brida     | Acero                  |

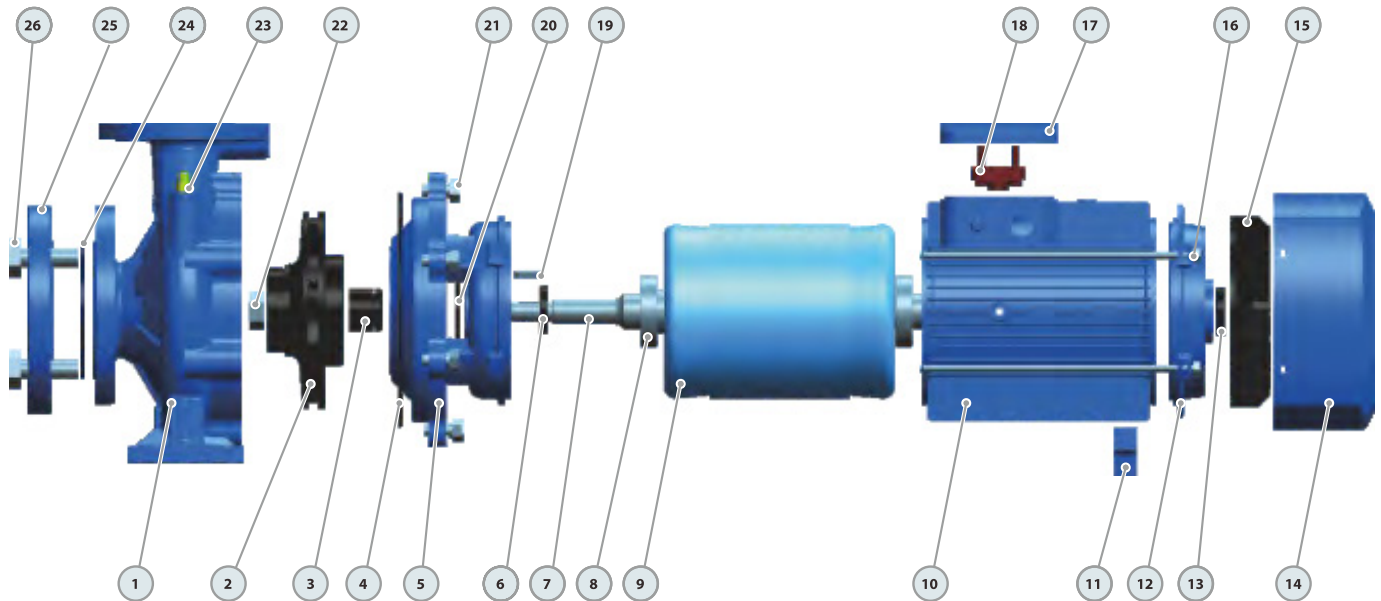


## 4. DESPIECE SPARE PARTS PIÈCES DE RECHANGE



| Nº | Nombre             | Material             |
|----|--------------------|----------------------|
| 1  | Pump case          | Cast iron            |
| 2  | Impeller           | SS304/Cast iron      |
| 3  | Mechanical seal    | SiC/Carbon/SS304     |
| 4  | O-ring             | Rubber               |
| 5  | Conection          | Cast iron            |
| 6  | Reinforced Seal    | Rubber               |
| 7  | Shaft              | SS304/45# Steel      |
| 8  | Bearing            | Ball bearing         |
| 9  | Wound stator/rotor | Silicon Steel/Copper |
| 10 | Motor case         | Aluminum             |
| 11 | Support Foot       | Plastic              |
| 12 | Back Cover         | Cast iron            |
| 13 | Reinforced Seal    | Rubber               |
| 14 | Fan Cover          | Aluminum             |
| 15 | Fan                | Plastic              |
| 16 | Through Bolt       | Steel                |
| 17 | Terminal box       | Aluminum             |
| 18 | Terminal Board     | Plastic              |
| 19 | Impeller Key       | Iron                 |
| 20 | Water Deflector    | Rubber               |
| 21 | Connection Bolt    | Steel                |
| 22 | Impeller Nut       | Galvanized Steel     |
| 23 | Release Valve      | Brass                |
| 24 | Gasket             | Rubber               |
| 25 | Counter Flange     | Galvanized Cast iron |
| 26 | Flange Bolt        | Steel                |

## 4. DESPIECE SPARE PARTS PIÈCES DE RECHANGE



| N° | Nombre                      | Material             |
|----|-----------------------------|----------------------|
| 1  | Boîtier de pompe            | Cast iron            |
| 2  | Roue                        | SS304/Cast iron      |
| 3  | Fermeture mécanique         | SiC/Carbon/SS304     |
| 4  | Joint torique               | Rubber               |
| 5  | Connexion                   | Cast iron            |
| 6  | Joint renforcé              | Rubber               |
| 7  | Arbre                       | SS304/45# Steel      |
| 8  | Roulement                   | Ball bearing         |
| 9  | Rotor                       | Silicon Steel/Copper |
| 10 | Boîtier de moteur           | Aluminum             |
| 11 | Pied de support             | Plastic              |
| 12 | Couvercle arrière           | Cast iron            |
| 13 | Joint d'étanchéité renforcé | Rubber               |
| 14 | Couvercle du ventilateur    | Aluminum             |
| 15 | Ventilateur                 | Plastic              |
| 16 | Boulon traversant           | Steel                |
| 17 | Boîte à bornes              | Aluminum             |
| 18 | Plaque à bornes             | Plastic              |
| 19 | Clavette d'entraînement     | Iron                 |
| 20 | Water déflecteur            | Rubber               |
| 21 | Boulon                      | Steel                |
| 22 | Écrou d'entraînement        | Galvanized Steel     |
| 23 | Bouchon amorcé              | Brass                |
| 24 | Conseil                     | Rubber               |
| 25 | Contre-bride                | Galvanized Cast iron |
| 26 | Boulon à bride              | Steel                |

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