

**PYD**  
ELECTROBOMBAS

**SERIE**  
**CMP**

**CENTRIFUGA GRANDES DIMENSIONES**  
LARGE-DIMENSION CENTRIFUGE  
CENTRIFUGEUSE DE GRANDE DIMENSION



**CATÁLOGO TÉCNICO**

TECHNICAL CATALOGUE  
CATALOGUE TECHNIQUE

## 1. DESCRIPCIÓN DESCRIPTION DESCRIPTION

Bombas para recirculación y filtración de agua en grandes y medianas piscinas, piscinas públicas, atracciones acuáticas y similares. El prefiltro evita la entrada de sólidos a la hidráulica de la bomba, protegiendo el sistema de depuración de posibles arranques. Se suministran con contrabrida.

✿ Pumps for water recirculation and filtration in large and medium-sized pools, public pools, water attractions, and similar facilities. The pre-filter prevents the entry of solids into the pump's hydraulic system, protecting the purification system from potential blockages. They are supplied with a counter flange.

🇫🇷 Pompes pour la recirculation et la filtration de l'eau dans les piscines grandes et moyennes, les piscines publiques, les attractions aquatiques et similaires. Le préfiltre empêche l'entrée de solides dans le système hydraulique de la pompe, protégeant ainsi le système de purification des obstructions potentielles. Elles sont fournies avec une contre-bride.



### MATERIALES

**Cuerpo de bomba:** Fundición  
**Eje:** Acero INOX 420  
**Impulsor:** Fundición  
**Soporte motor:** Fundición  
**Prefiltro:** Fundición  
**Malla:** Acero INOX 304

### ✿ MATERIALS

**Pump body:** Cast iron  
**Shaft:** Stainless steel 420  
**Impeller:** Cast iron  
**Motor support:** Cast iron  
**Pre-filter:** Cast iron  
**Mesh:** Stainless steel 304

### 🇫🇷 MATÉRIELS

**Corps de pompe:** Fonte  
**Arbre:** Acier inoxydable 420  
**Impulseur:** Fonte  
**Support moteur:** Fonte  
**Préfiltre:** Fonte  
**Maille:** Acier inoxydable 304

### ÁREA DE TRABAJO

**Temperatura máx. del líquido:** 90°C  
**Grado de protección:** IP55  
**Aislamiento:** F  
**Servicio continuo**

### ✿ WORKING RANGE

**Max. liquid temperature:** 90°C  
**Protection rating:** IP55  
**Insulation:** F  
**Continuous duty**

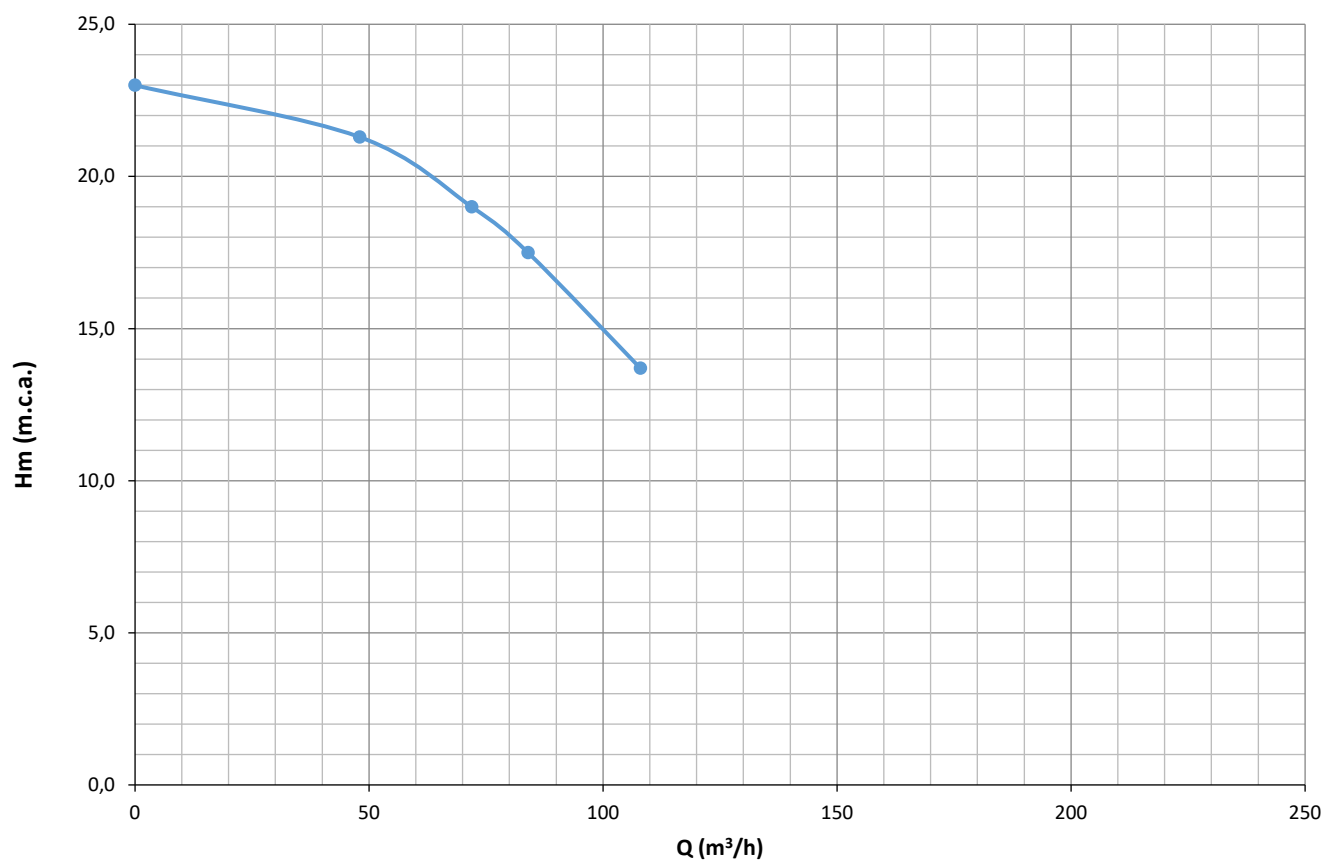
### 🇫🇷 PLAGUE DE TRAVAIL

**Température max. du liquide:** 90°C  
**Degré de protection:** IP55  
**Isolation:** F  
**Service continu**

## 2. CURVAS CURVES COURBES

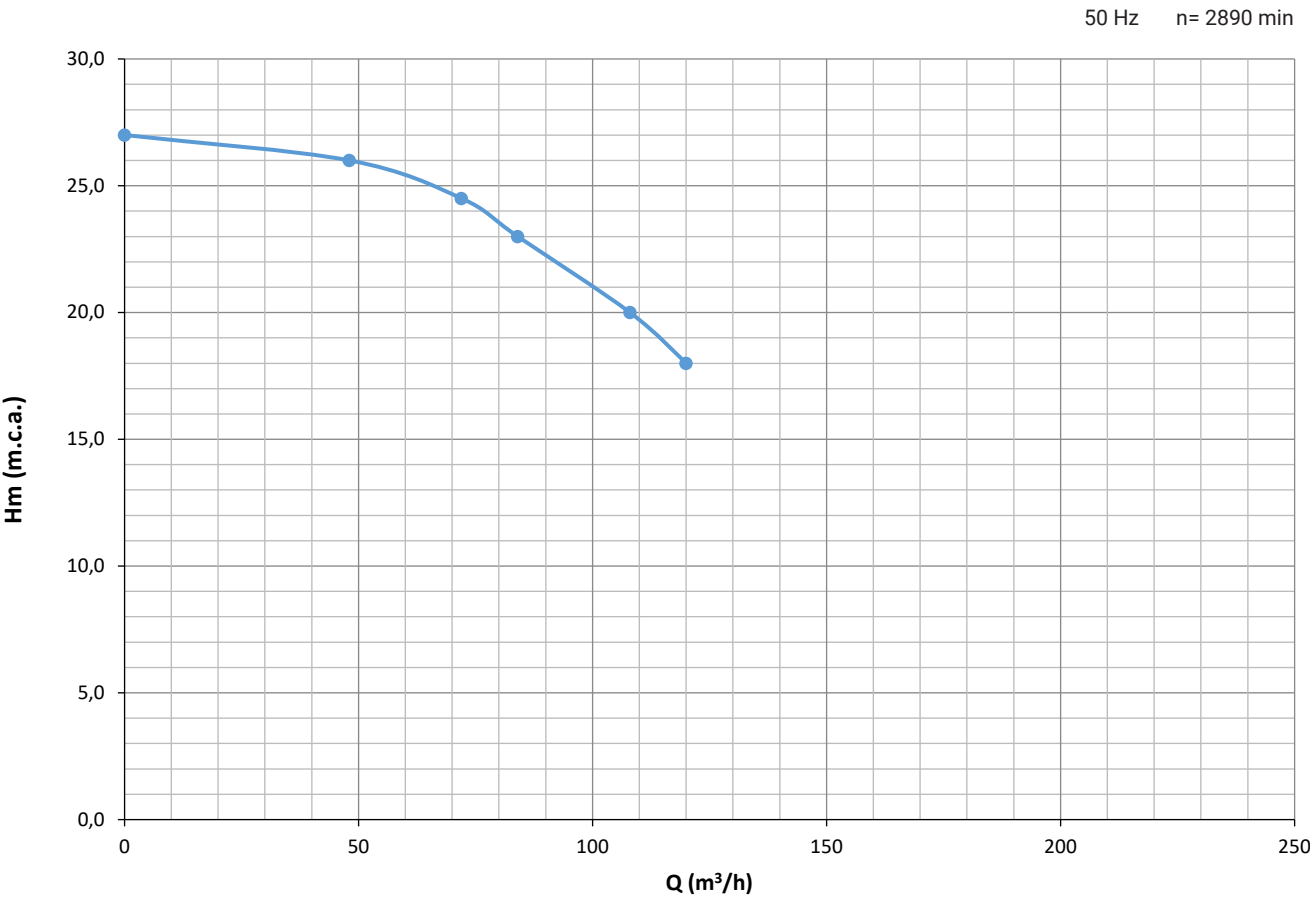
### CMP 85/055

50 Hz n= 2890 min



| MODELO<br>MODEL<br>MODÈLE |  |      |  |      |  |    | CAUDAL    FLOW    DÉBIT (m³/h) |      |         |                |                |                           |        |  |                          |    |     |                          |      |      |      |      |      |      |      |
|---------------------------|--|------|--|------|--|----|--------------------------------|------|---------|----------------|----------------|---------------------------|--------|--|--------------------------|----|-----|--------------------------|------|------|------|------|------|------|------|
|                           |  |      |  |      |  |    | DN Ø                           |      | INT (A) |                | P <sub>2</sub> |                           | MODELO |  | m³/h                     |    |     |                          |      |      |      |      |      |      |      |
|                           |  |      |  |      |  |    |                                |      |         |                |                |                           |        |  | 0                        | 48 | 72  | 84                       | 108  | 120  | 132  | 168  | 180  | 210  |      |
|                           |  |      |  |      |  |    |                                |      |         |                |                |                           |        |  | l/min                    | 0  | 800 | 1200                     | 1400 | 1800 | 2000 | 2200 | 2800 | 3000 | 3500 |
| ASP.                      |  | IMP. |  | 380V |  | kW |                                | Hp   |         | BOMBA + FILTRO |                | ALTURA DE CARGA EN METROS |        |  | LOADING HEIGHT IN METRES |    |     | HAUTEUR DE CHARGEMENT EN |      |      |      |      |      |      |      |
|                           |  |      |  |      |  |    |                                |      |         |                |                | METRES                    |        |  |                          |    |     |                          |      |      |      |      |      |      |      |
| CMP 85/055                |  |      |  |      |  |    | 100                            | 65   | 11,5    | 5,5            | 7,5            | NM65-125/55 + FILTRO1     |        |  |                          |    |     |                          |      |      |      |      |      |      |      |
|                           |  |      |  |      |  |    | 23                             | 21,3 | 19      | 17,5           | 13,7           |                           |        |  |                          |    |     |                          |      |      |      |      |      |      |      |

2. CURVAS CURVES COURBES  
CMP 85/075



| MODELO<br>MODEL<br>MODÈLE | DN Ø |      | INT (A) |     | P <sub>2</sub> |  | MODELO                |  |
|---------------------------|------|------|---------|-----|----------------|--|-----------------------|--|
|                           | ASP. | IMP. | 380V    | kW  | Hp             |  | BOMBA + FILTRO        |  |
| CMP 85/075                | 100  | 65   | 15      | 7,5 | 10             |  | NM65-125/75 + FILTRO1 |  |

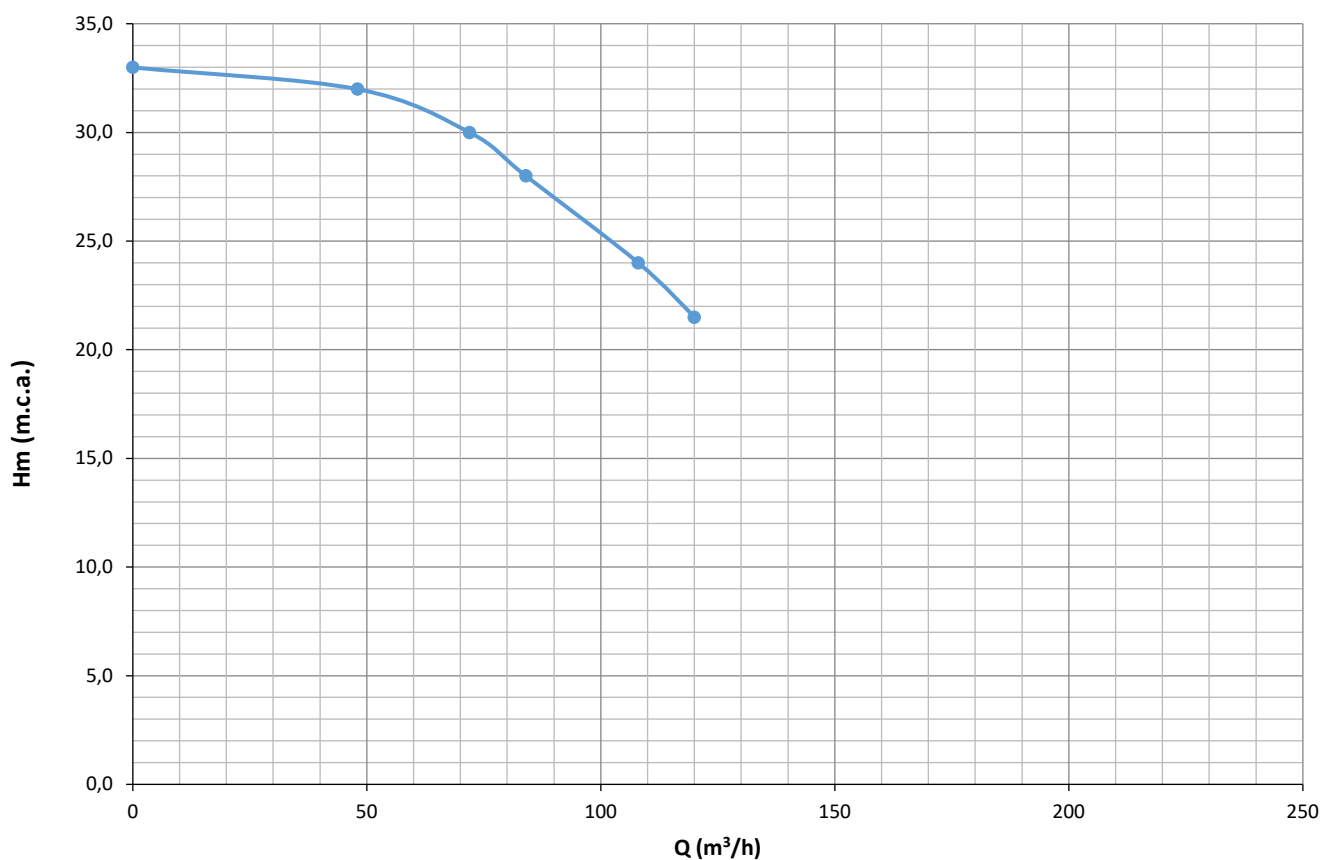
| CAUDAL    FLOW    DÉBIT (m³/h) |     |      |      |      |      |      |      |      |      |
|--------------------------------|-----|------|------|------|------|------|------|------|------|
| 0                              | 48  | 72   | 84   | 108  | 120  | 132  | 168  | 180  | 210  |
| 0                              | 800 | 1200 | 1400 | 1800 | 2000 | 2200 | 2800 | 3000 | 3500 |

| ALTURA DE CARGA EN METROS |    |      |    | LOADING HEIGHT IN METRES<br>MÈTRES |    | HAUTEUR DE CHARGEMENT EN |  |
|---------------------------|----|------|----|------------------------------------|----|--------------------------|--|
| 27                        | 26 | 24,5 | 23 | 20                                 | 18 |                          |  |

## 2. CURVAS CURVES COURBES

### CMP 105/092

50 Hz n= 2890 min



| MODELO<br>MODEL<br>MODÈLE | DN Ø |      | INT (A) |     | P <sub>2</sub> |  | MODELO                |  |
|---------------------------|------|------|---------|-----|----------------|--|-----------------------|--|
|                           | ASP. | IMP. | 380V    | kW  | Hp             |  | BOMBA + FILTRO        |  |
| CMP 105/092               | 100  | 65   | 19      | 9,2 | 12,5           |  | NM65-160/92 + FILTRO1 |  |

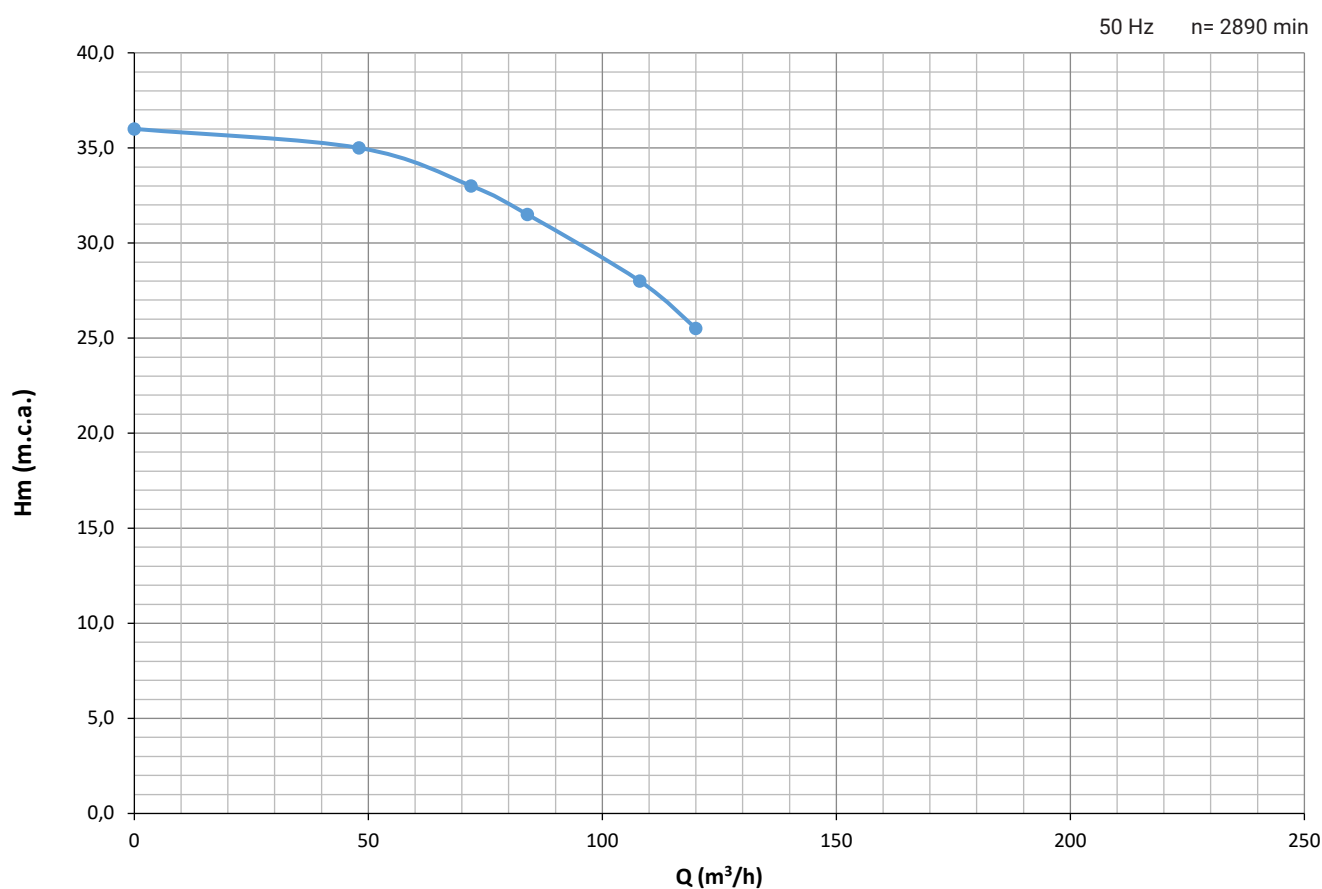
| CAUDAL |     | FLOW |      | DÉBIT (m³/h) |      |      |      |      |      |
|--------|-----|------|------|--------------|------|------|------|------|------|
| 0      | 48  | 72   | 84   | 108          | 120  | 132  | 168  | 180  | 210  |
| 0      | 800 | 1200 | 1400 | 1800         | 2000 | 2200 | 2800 | 3000 | 3500 |

| ALTURA DE CARGA EN METROS |    |    |    | LOADING HEIGHT IN METRES<br>MÈTRES |      | HAUTEUR DE CHARGEMENT EN |  |
|---------------------------|----|----|----|------------------------------------|------|--------------------------|--|
| 33                        | 32 | 30 | 28 | 24                                 | 21,5 |                          |  |

## 2. CURVAS CURVES COURBES

### CMP 110/110

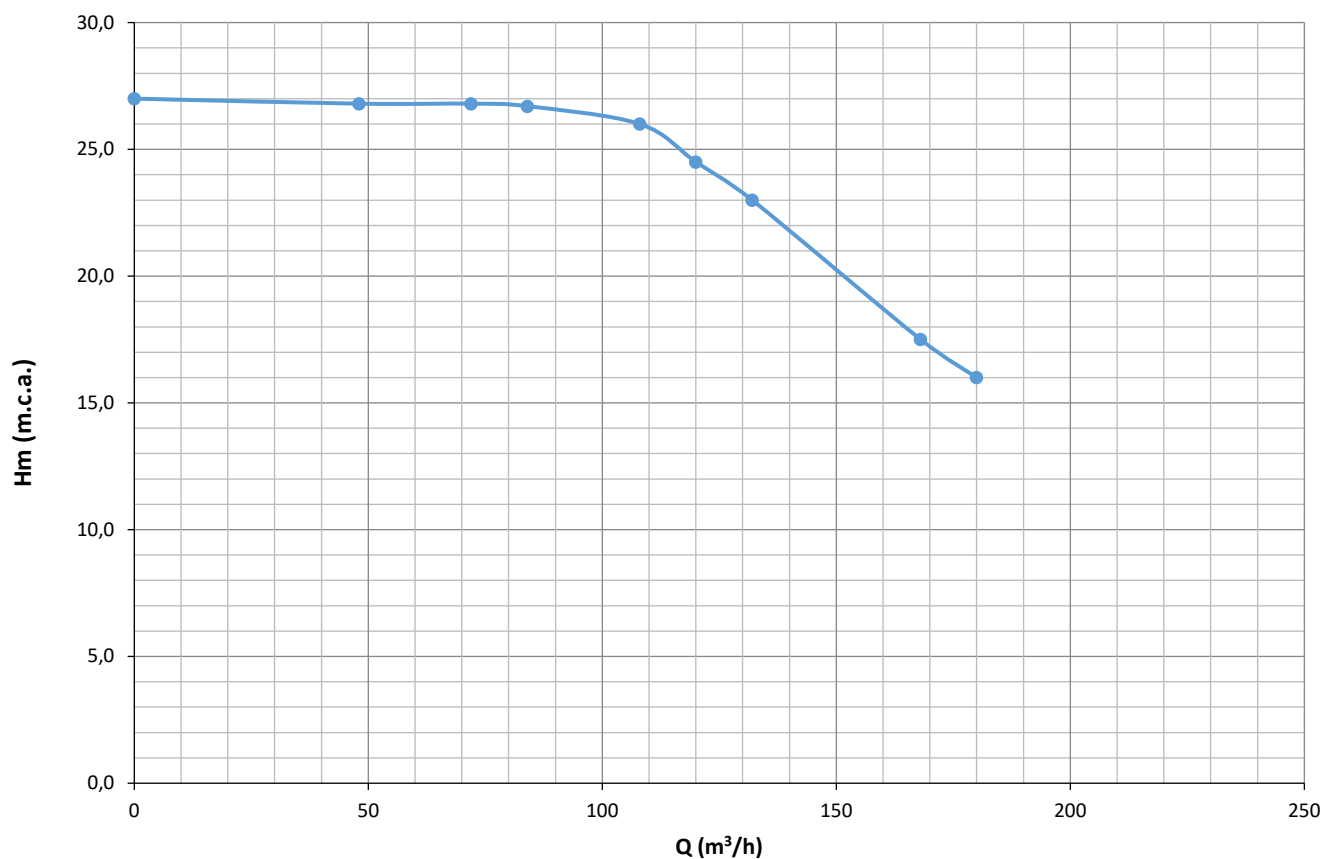


| MODELO<br>MODEL<br>MODÈLE |      |      |         |    |                |                        | CAUDAL    FLOW    DÉBIT (m³/h)                                                    |     |      |      |      |
|---------------------------|------|------|---------|----|----------------|------------------------|-----------------------------------------------------------------------------------|-----|------|------|------|
|                           | DN Ø |      | INT (A) |    | P <sub>2</sub> |                        |                                                                                   |     |      |      |      |
|                           | ASP. | IMP. | 380V    | kW | Hp             | BOMBA + FILTRO         |                                                                                   |     |      |      |      |
| CMP 110/110               | 100  | 65   | 21,8    | 11 | 15             | NM65-160/110 + FILTRO1 | 0                                                                                 | 48  | 72   | 84   | 108  |
|                           |      |      |         |    |                |                        | 0                                                                                 | 800 | 1200 | 1400 | 1800 |
|                           |      |      |         |    |                |                        |                                                                                   |     |      |      |      |
|                           |      |      |         |    |                |                        | ALTURA DE CARGA EN METROS    LOADING HEIGHT IN METRES    HAUTEUR DE CHARGEMENT EN |     |      |      |      |
|                           |      |      |         |    |                |                        | 36                                                                                | 35  | 33   | 31,5 | 28   |
|                           |      |      |         |    |                |                        |                                                                                   |     |      |      |      |

## 2. CURVAS CURVES COURBES

### CMP 175/092

50 Hz n= 2890 min



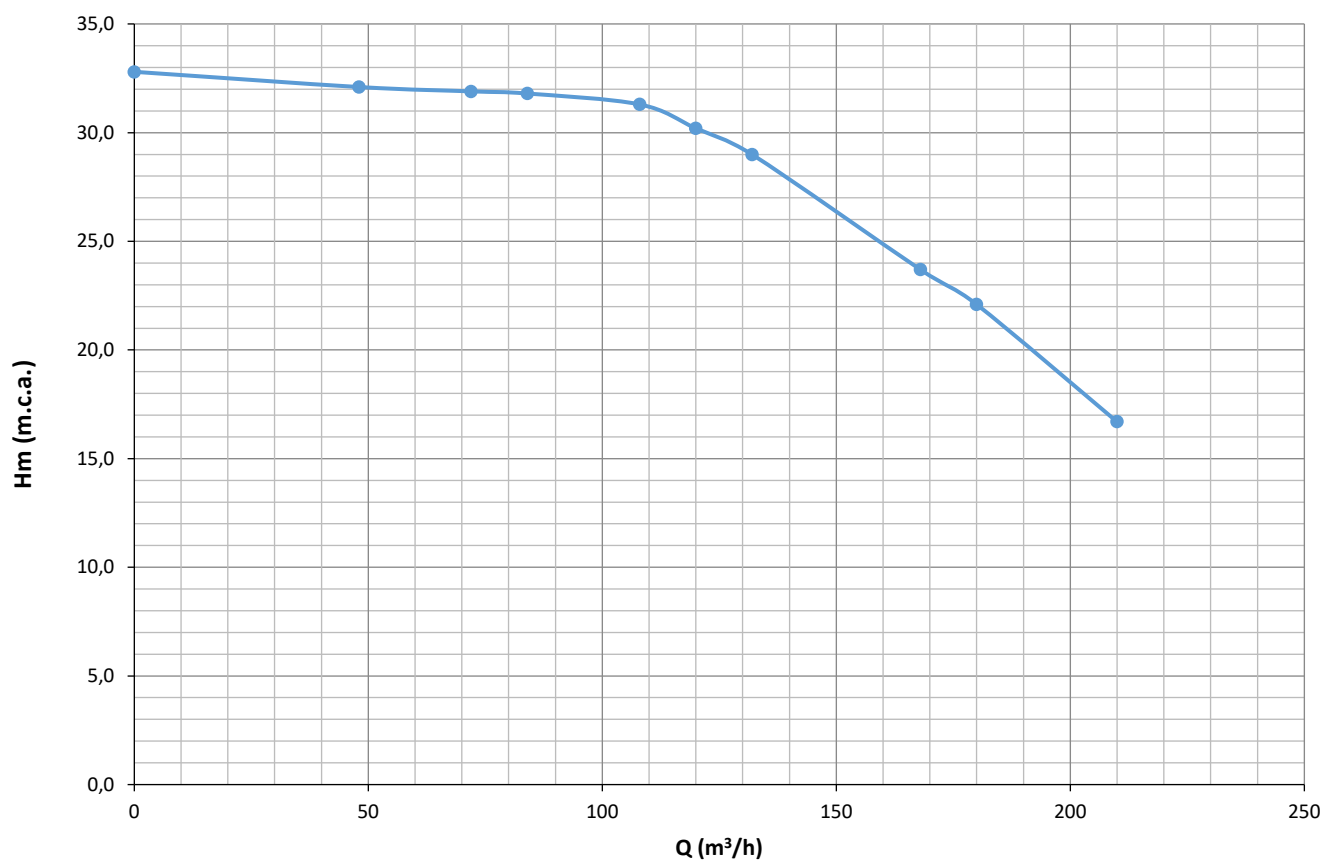
| MODELO<br>MODEL<br>MODÈLE | DN Ø |      | INT (A) |    | P <sub>2</sub> |  | MODELO<br>BOMBA + FILTRO |
|---------------------------|------|------|---------|----|----------------|--|--------------------------|
|                           | ASP. | IMP. | 380V    | kW | Hp             |  |                          |
| CMP 175/092               | 100  | 80   | 23,5    | 11 | 15             |  | NM80-160/110 + FILTRO2   |

| CAUDAL FLOW DÉBIT (m³/h)  |      |      |      |                                    |      |      |                          |      |      |
|---------------------------|------|------|------|------------------------------------|------|------|--------------------------|------|------|
| 0                         | 48   | 72   | 84   | 108                                | 120  | 132  | 168                      | 180  | 210  |
| 0                         | 800  | 1200 | 1400 | 1800                               | 2000 | 2200 | 2800                     | 3000 | 3500 |
| ALTURA DE CARGA EN METROS |      |      |      | LOADING HEIGHT IN METRES<br>MÈTRES |      |      | HAUTEUR DE CHARGEMENT EN |      |      |
| 27                        | 26,8 | 26,3 | 26,1 | 26                                 | 24,5 | 23   | 17,5                     | 16   |      |

## 2. CURVAS CURVES COURBES

### CMP 150/150

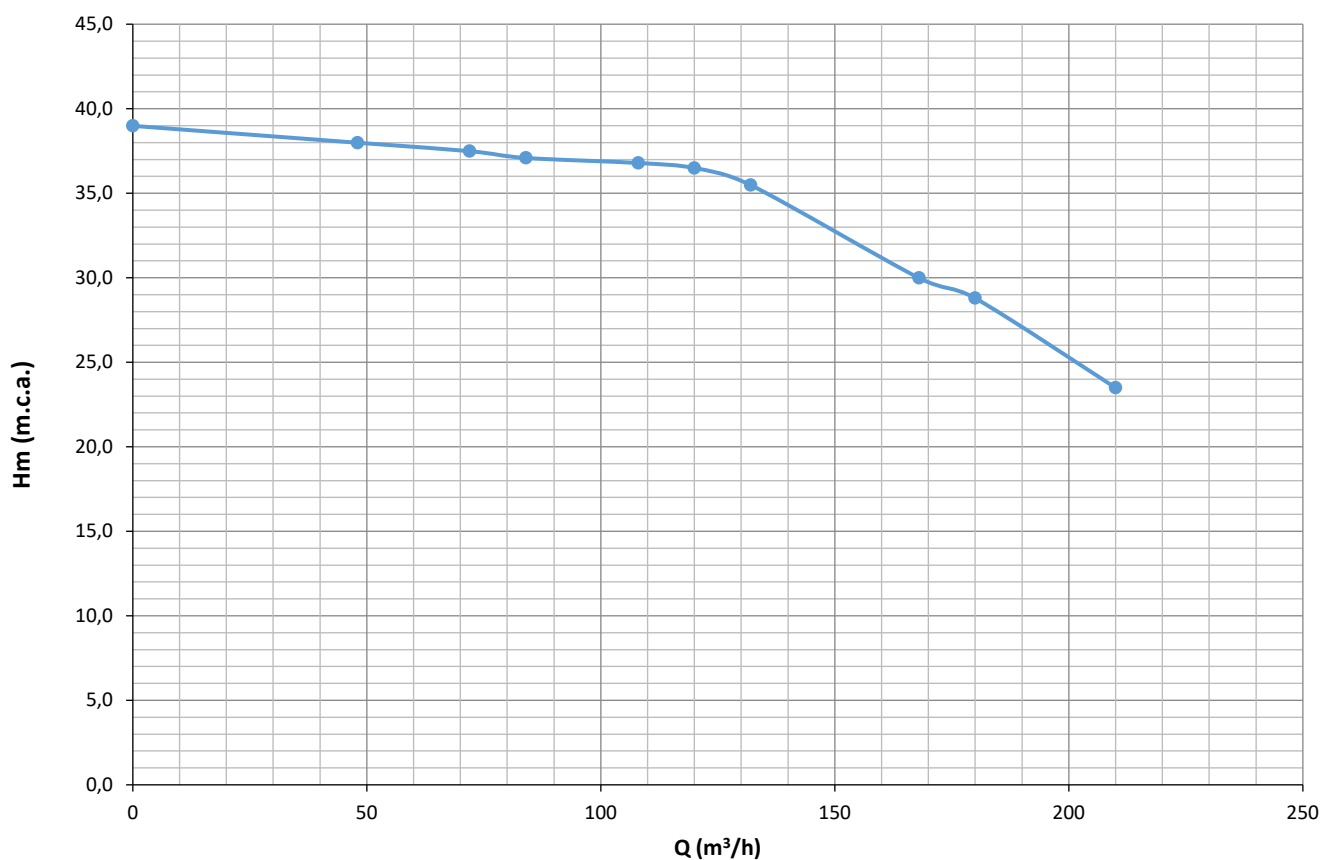
50 Hz n= 2890 min



|                           |      |      |         |    |                |                        | CAUDAL    FLOW    DÉBIT (m³/h) |      |      |                                    |      |      |                          |      |      |      |
|---------------------------|------|------|---------|----|----------------|------------------------|--------------------------------|------|------|------------------------------------|------|------|--------------------------|------|------|------|
|                           |      |      |         |    |                |                        |                                |      |      |                                    |      |      |                          |      |      |      |
|                           |      |      |         |    |                |                        | 0                              | 48   | 72   | 84                                 | 108  | 120  | 132                      | 168  | 180  | 210  |
|                           |      |      |         |    |                |                        | 0                              | 800  | 1200 | 1400                               | 1800 | 2000 | 2200                     | 2800 | 3000 | 3500 |
| MODELO<br>MODEL<br>MODÈLE | DN Ø |      | INT (A) |    | P <sub>2</sub> | MODELO                 |                                |      |      |                                    |      |      |                          |      |      |      |
|                           | ASP. | IMP. | 380V    | kW | Hp             | BOMBA + FILTRO         | ALTURA DE CARGA EN METROS      |      |      | LOADING HEIGHT IN METRES<br>MÈTRES |      |      | HAUTEUR DE CHARGEMENT EN |      |      |      |
| CMP 150/150               | 100  | 80   | 29,4    | 15 | 20             | NM80-160/150 + FILTRO2 | 32,8                           | 32,1 | 31,9 | 31,8                               | 31,3 | 30,2 | 29                       | 23,7 | 22,1 | 16,7 |

## 2. CURVAS CURVES COURBES CMP 160/150

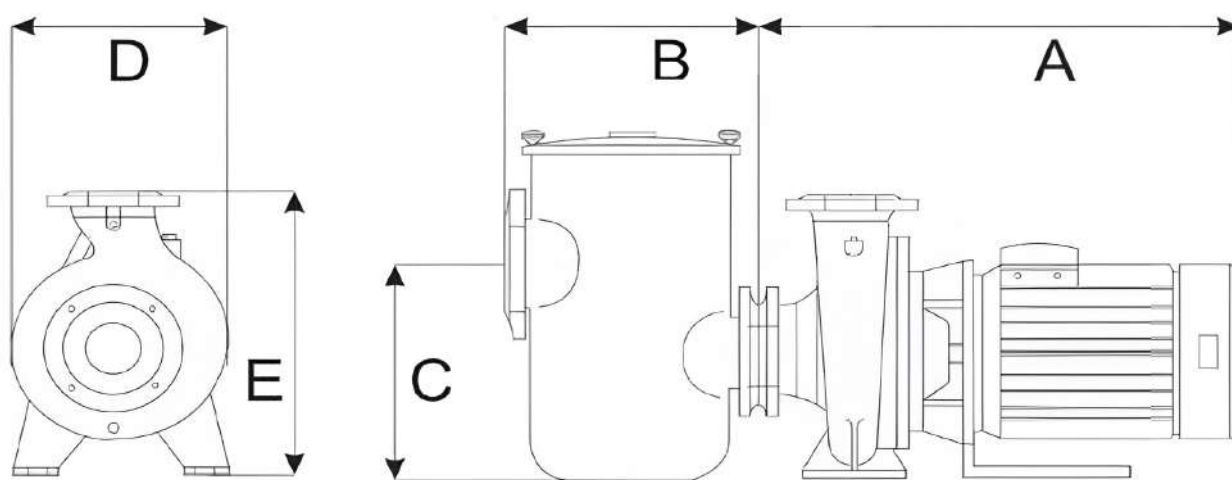
50 Hz n= 2890 min



| MODELO<br>MODEL<br>MODÈLE | DN Ø | INT (A) | P <sub>2</sub> | MODELO                    |
|---------------------------|------|---------|----------------|---------------------------|
|                           | ASP. | IMP.    | 380V kW        | Hp BOMBA + FILTRO         |
| CMP 160/150               | 100  | 80      | 35,5 18,5      | 25 NM80-160/185 + FILTRO2 |

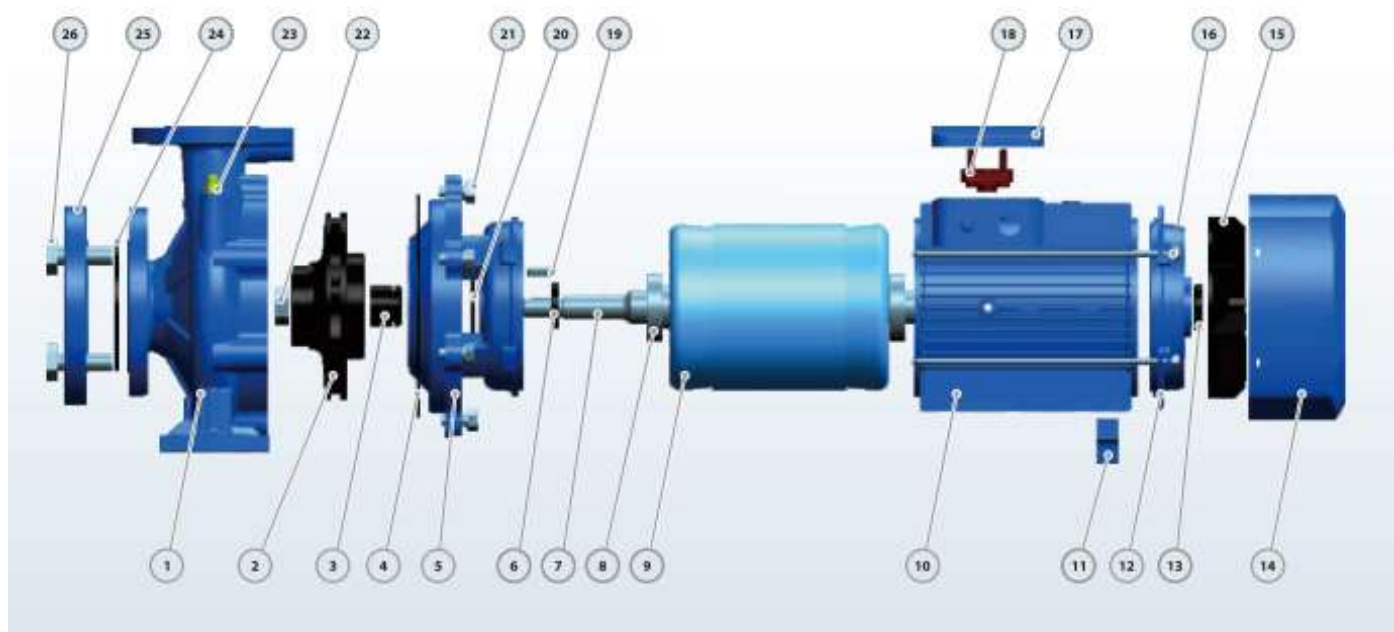
| CAUDAL                    | FLOW                     | DÉBIT (m³/h) |      |      |      |      |                          |      |      |
|---------------------------|--------------------------|--------------|------|------|------|------|--------------------------|------|------|
| 0                         | 48                       | 72           | 84   | 108  | 120  | 132  | 168                      | 180  | 210  |
| 0                         | 800                      | 1200         | 1400 | 1800 | 2000 | 2200 | 2800                     | 3000 | 3500 |
| ALTURA DE CARGA EN METROS | LOADING HEIGHT IN METRES |              |      |      |      |      | HAUTEUR DE CHARGEMENT EN |      |      |
|                           | MÈTRES                   |              |      |      |      |      |                          |      |      |
| 39                        | 38                       | 37,5         | 37,1 | 36,8 | 36,7 | 35,5 | 30                       | 28,8 | 23,5 |

### 3. MEDIDAS MEASURES MESURES



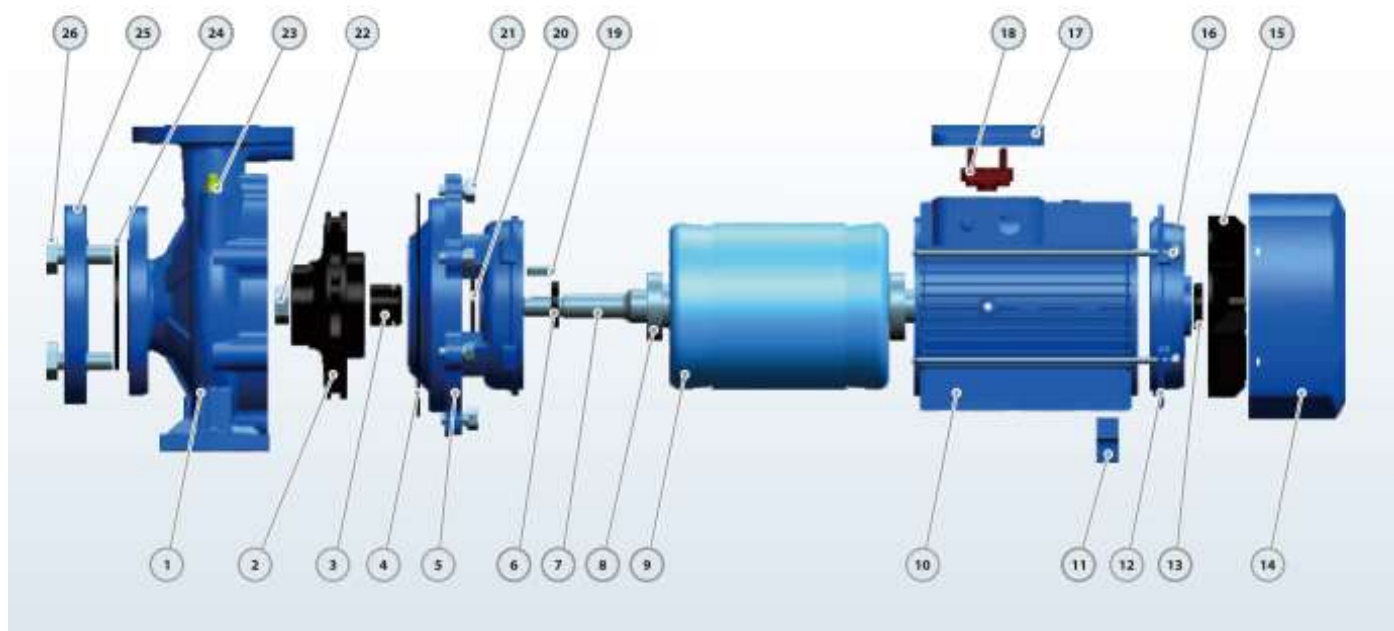
| MODELO<br>MODEL<br>MODÈLE | A   | B   | C   | D   | E   |
|---------------------------|-----|-----|-----|-----|-----|
| <b>CMP 85/055</b>         | 580 | 365 | 196 | 275 | 345 |
| <b>CMP 90/055</b>         | 605 | 365 | 196 | 280 | 340 |
| <b>CMP 85-075</b>         | 580 | 365 | 196 | 275 | 345 |
| <b>CMP 90/075</b>         | 605 | 365 | 196 | 280 | 340 |
| <b>CMP 145-092</b>        | 665 | 365 | 196 | 330 | 405 |
| <b>CMP 175/092</b>        | 750 | 365 | 196 | 330 | 415 |
| <b>CMP 185/110</b>        | 665 | 365 | 196 | 330 | 405 |

## 4. DESPIECE SPARE PARTS PIÈCES DE RECHANGE



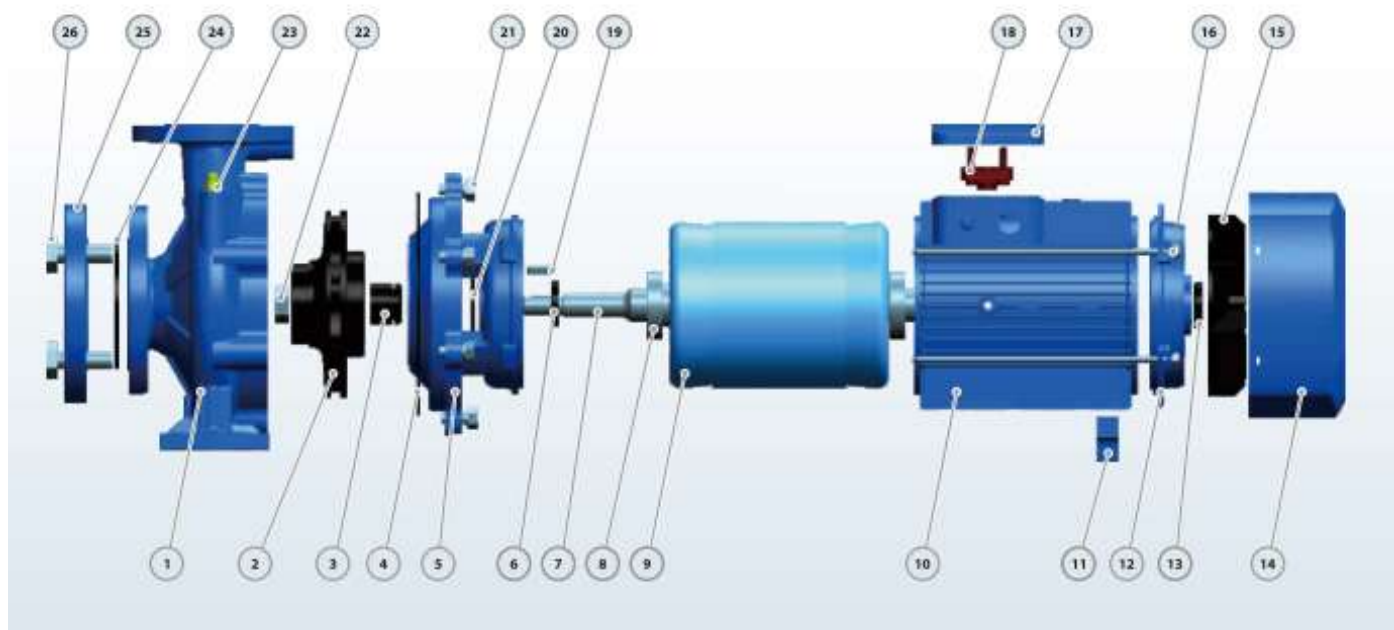
| Nº | Nombre             | Material               |
|----|--------------------|------------------------|
| 1  | Cuerpo de bomba    | Fundición              |
| 2  | Impulsor           | Inox 304/Fundición     |
| 3  | Cierre mecánico    | SiC-Grafito-Inox 304   |
| 4  | Junta tórica       | Caucho                 |
| 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 | Name               | 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° | Nom                         | Matériau             |
|----|-----------------------------|----------------------|
| 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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