


# 4SR

## Electropompes immergées 4"

-  Eaux claires  
(Contenu de sable maximum 150 g/m<sup>3</sup>)
-  Usage domestique
-  Usage résidentiel
-  Usage industriel



### PLAGE DES PERFORMANCES

- Débit jusqu'à **340 l/min** (20.4 m<sup>3</sup>/h)
- Hauteur manométrique totale jusqu'à **405 m**

### LIMITES D'UTILISATION

- Température du liquide jusqu'à **+35 °C**
- Contenu de sable maximum **150 g/m<sup>3</sup>**
- Profondeur d'utilisation jusqu'à **100 m** sous le niveau de l'eau
- Fonctionnement:
  - vertical
  - horizontal avec les limites suivantes:
    - 4SR1 - 4SR1.5 - 4SR2 - 4SR4 jusqu'à **27 étages**
    - 4SR6 - 4SR8 jusqu'à **17 étages**
    - 4SR10 - 4SR12 - 4SR15 jusqu'à **12 étages**
- Démarrages/heure: **20** à intervalles réguliers
- Flux de refroidissement moteur minimum **8 cm/s**
- Service continu **S1**

### EXÉCUTION ET NORMES DE SÉCURITÉ

#### MOTEUR ÉLECTRIQUE

- Monophasé 220-230 V - 50 Hz
- Triphasé 400 V - 50 Hz

Câble d'alimentation de:

- **2 m** pour puissances de 0.37 à 2.2 kW
- **3.6 m** pour puissances de 3 à 7.5 kW.

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

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



REGLEMENT (UE) N. 547/2012

### CERTIFICATIONS

Société avec système de gestion certifié DNV  
ISO 9001: QUALITE  
ISO 14001: ENVIRONNEMENT



### UTILISATIONS ET INSTALLATIONS

Elles sont conseillées pour l'approvisionnement à partir de puits d'eau propre, même en présence de sable (jusqu'à **150 g/m<sup>3</sup>**). Grâce à leur rendement élevé et à leur fiabilité, elles sont conseillées pour l'utilisation dans le secteur domestique, pour la distribution automatique de l'eau, associées à des surpresseurs, pour l'irrigation, etc.

### BREVETS - MARQUES - MODÈLES

- Brevet n° EP2419642

### EXÉCUTIONS SUR DEMANDE

- Autres tensions ou fréquence 60 Hz
- **Kit chimise de refroidissement complet équipé de filtre et supports**

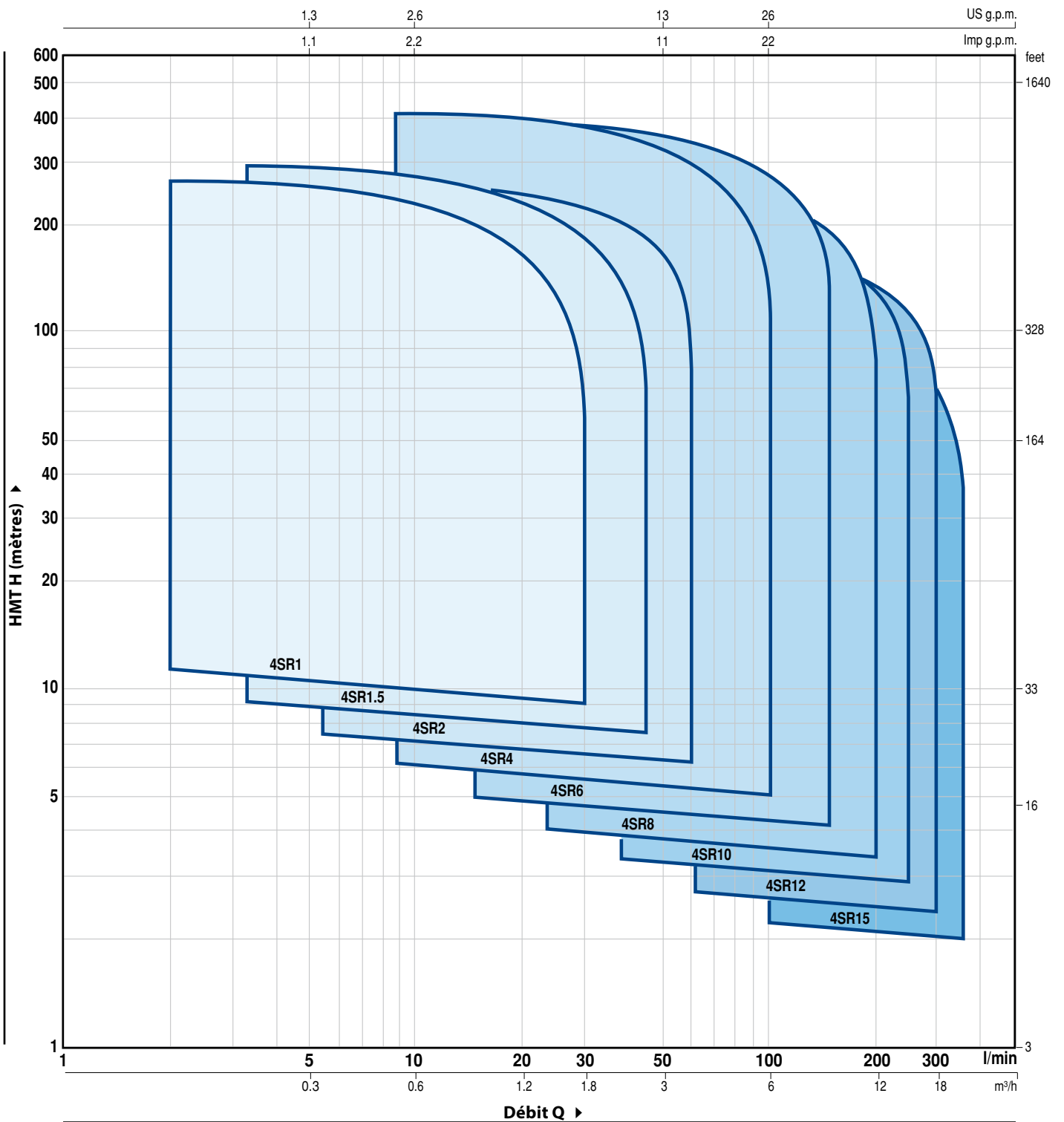


### GARANTIE

2 ans selon nos conditions générales de vente

## PLAGES DES PERFORMANCES

50 Hz n = 2900 rpm



### NOMENCLATURE

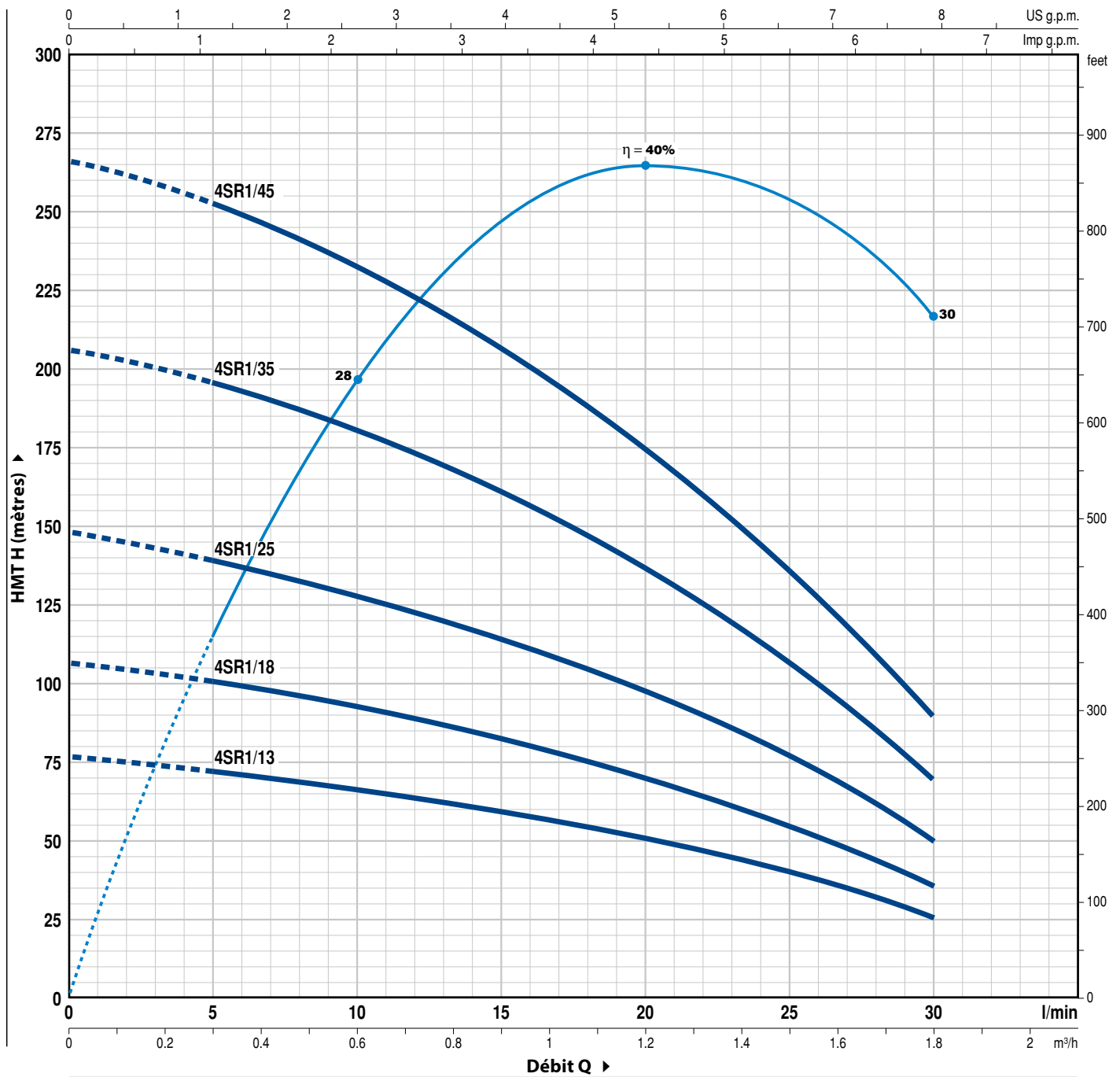
**4 SR 1 m / 13 - PD ou PS ou HYD**

- Diamètre du puits en pouces \_\_\_\_\_
- Série \_\_\_\_\_
- Débit en m³/h au point de rendement maximum \_\_\_\_\_
- Moteur monophasé \_\_\_\_\_
- Nombre d'étages \_\_\_\_\_
- PD**: électropompe avec moteur 4PD "PEDROLLO" \_\_\_\_\_
- PS**: électropompe avec moteur 4PS "PEDROLLO" \_\_\_\_\_
- HYD**: hydraulique sans moteur \_\_\_\_\_

# 4SR1

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



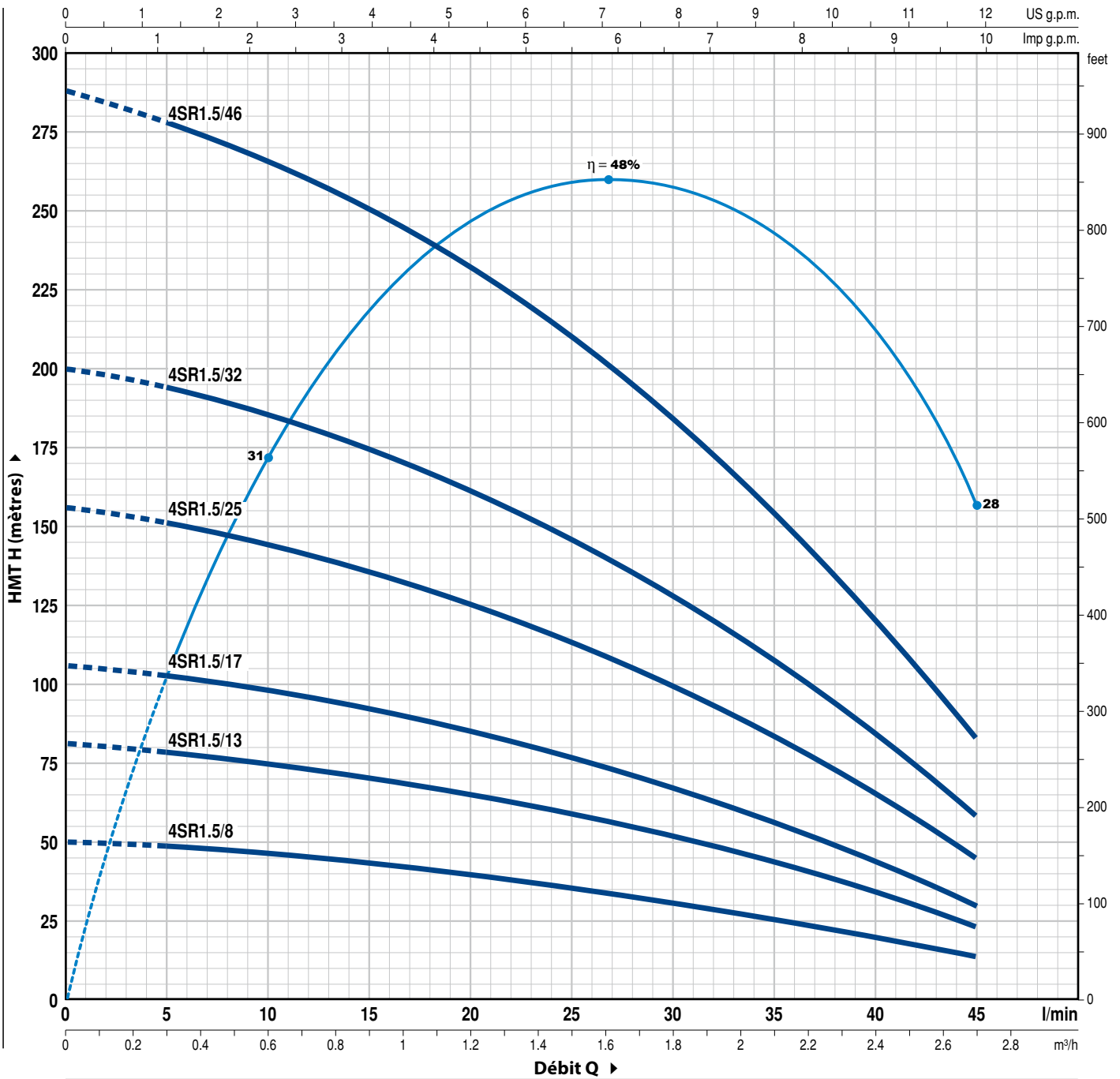
| TYPE      |          | PUISSANCE (P <sub>2</sub> ) |      | Q        | Q                 |     |     |     |     |     |     |
|-----------|----------|-----------------------------|------|----------|-------------------|-----|-----|-----|-----|-----|-----|
| Monophasé | Triphasé | kW                          | HP   |          | m <sup>3</sup> /h | 0   | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 |
| 4SR1m/13  | 4SR1/13  | 0.37                        | 0.50 | H mètres | 0                 | 5   | 10  | 15  | 20  | 25  | 30  |
| 4SR1m/18  | 4SR1/18  | 0.55                        | 0.75 |          | 77                | 73  | 67  | 60  | 51  | 40  | 26  |
| 4SR1m/25  | 4SR1/25  | 0.75                        | 1    |          | 107               | 101 | 93  | 83  | 71  | 55  | 36  |
| 4SR1m/35  | 4SR1/35  | 1.1                         | 1.5  |          | 148               | 140 | 129 | 115 | 98  | 77  | 50  |
| 4SR1m/45  | 4SR1/45  | 1.5                         | 2    |          | 206               | 197 | 182 | 161 | 136 | 107 | 70  |
|           |          |                             |      |          | 266               | 254 | 234 | 207 | 176 | 137 | 90  |

Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



| TYPE       |           | PUISSANCE (P <sub>2</sub> ) |      | Q        | H                 |     |     |     |     |     |     |     |     |     |     |  |  |
|------------|-----------|-----------------------------|------|----------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| Monophasé  | Triphasé  | kW                          | HP   |          | m <sup>3</sup> /h | 0   | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 |  |  |
|            |           |                             |      | l/min    | 0                 | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  |     |  |  |
| 4SR1.5m/8  | 4SR1.5/8  | 0.37                        | 0.50 | H mètres | 50                | 48  | 46  | 44  | 40  | 36  | 32  | 26  | 20  | 14  |     |  |  |
| 4SR1.5m/13 | 4SR1.5/13 | 0.55                        | 0.75 |          | 81                | 78  | 75  | 71  | 66  | 59  | 52  | 43  | 33  | 23  |     |  |  |
| 4SR1.5m/17 | 4SR1.5/17 | 0.75                        | 1    |          | 106               | 102 | 98  | 93  | 86  | 78  | 68  | 56  | 43  | 30  |     |  |  |
| 4SR1.5m/25 | 4SR1.5/25 | 1.1                         | 1.5  |          | 156               | 151 | 144 | 136 | 127 | 115 | 100 | 83  | 64  | 45  |     |  |  |
| 4SR1.5m/32 | 4SR1.5/32 | 1.5                         | 2    |          | 200               | 193 | 184 | 175 | 162 | 147 | 128 | 106 | 82  | 58  |     |  |  |
| 4SR1.5m/46 | 4SR1.5/46 | 2.2                         | 3    |          | 288               | 277 | 265 | 250 | 233 | 211 | 184 | 153 | 117 | 83  |     |  |  |

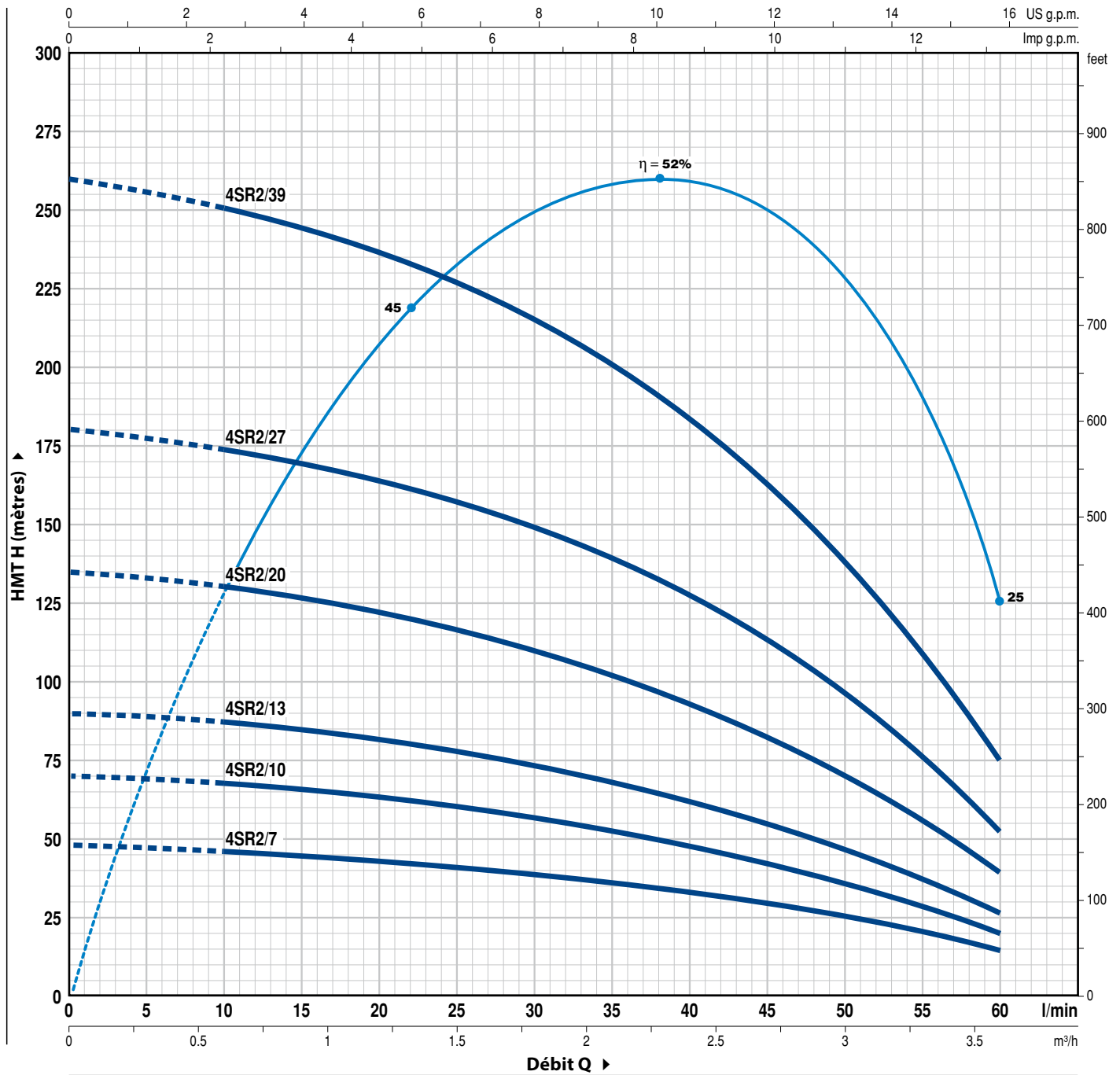
Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

# 4SR2

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



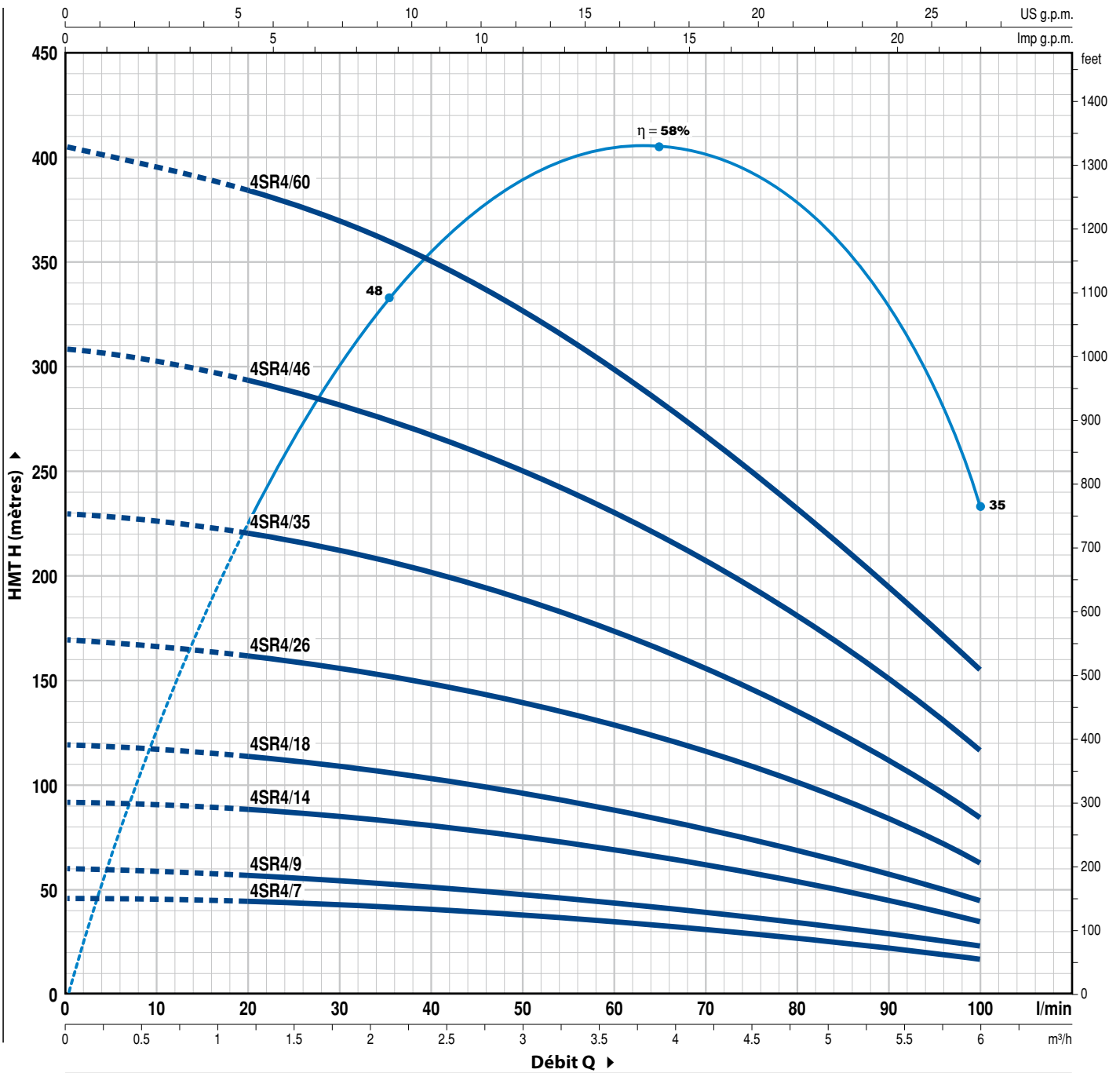
| TYPE      |          | PUISSANCE (P <sub>2</sub> ) |      | Q        | 0   | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 |
|-----------|----------|-----------------------------|------|----------|-----|-----|-----|-----|-----|-----|-----|
| Monophasé | Triphasé | kW                          | HP   |          |     |     |     |     |     |     |     |
| 4SR2m/7   | 4SR2/7   | 0.37                        | 0.50 | H mètres | 0   | 10  | 20  | 30  | 40  | 50  | 60  |
| 4SR2m/10  | 4SR2/10  | 0.55                        | 0.75 |          | 48  | 46  | 44  | 39  | 33  | 25  | 14  |
| 4SR2m/13  | 4SR2/13  | 0.75                        | 1    |          | 70  | 68  | 63  | 57  | 48  | 36  | 20  |
| 4SR2m/20  | 4SR2/20  | 1.1                         | 1.5  |          | 90  | 88  | 82  | 74  | 62  | 46  | 26  |
| 4SR2m/27  | 4SR2/27  | 1.5                         | 2    |          | 135 | 130 | 122 | 111 | 93  | 71  | 39  |
| 4SR2m/39  | 4SR2/39  | 2.2                         | 3    |          | 180 | 173 | 164 | 150 | 126 | 96  | 52  |
|           |          |                             |      |          | 260 | 250 | 238 | 216 | 183 | 138 | 75  |

Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



| TYPE      |          | PUISSANCE (P <sub>2</sub> ) |      | Q        | H                 |     |     |     |     |     |     |     |     |     |     |  |  |  |
|-----------|----------|-----------------------------|------|----------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| Monophasé | Triphasé | kW                          | HP   |          | m <sup>3</sup> /h | 0   | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |  |  |  |
|           |          |                             |      | l/min    | 0                 | 20  | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 |     |  |  |  |
| 4SR4m/7   | 4SR4/7   | 0.55                        | 0.75 | H mètres | 46                | 44  | 42  | 40  | 38  | 35  | 32  | 28  | 23  | 17  |     |  |  |  |
| 4SR4m/9   | 4SR4/9   | 0.75                        | 1    |          | 60                | 56  | 55  | 52  | 49  | 45  | 40  | 35  | 29  | 23  |     |  |  |  |
| 4SR4m/14  | 4SR4/14  | 1.1                         | 1.5  |          | 92                | 88  | 85  | 81  | 76  | 70  | 63  | 55  | 45  | 35  |     |  |  |  |
| 4SR4m/18  | 4SR4/18  | 1.5                         | 2    |          | 120               | 112 | 109 | 104 | 98  | 90  | 81  | 70  | 58  | 45  |     |  |  |  |
| 4SR4m/26  | 4SR4/26  | 2.2                         | 3    |          | 170               | 162 | 157 | 150 | 141 | 130 | 116 | 101 | 84  | 63  |     |  |  |  |
| -         | 4SR4/35  | 3                           | 4    |          | 230               | 220 | 211 | 202 | 190 | 175 | 157 | 137 | 113 | 85  |     |  |  |  |
| -         | 4SR4/46  | 4                           | 5.5  |          | 308               | 293 | 280 | 269 | 249 | 230 | 205 | 181 | 151 | 117 |     |  |  |  |
| -         | 4SR4/60  | 5.5                         | 7.5  |          | 405               | 385 | 370 | 350 | 325 | 300 | 270 | 235 | 195 | 155 |     |  |  |  |

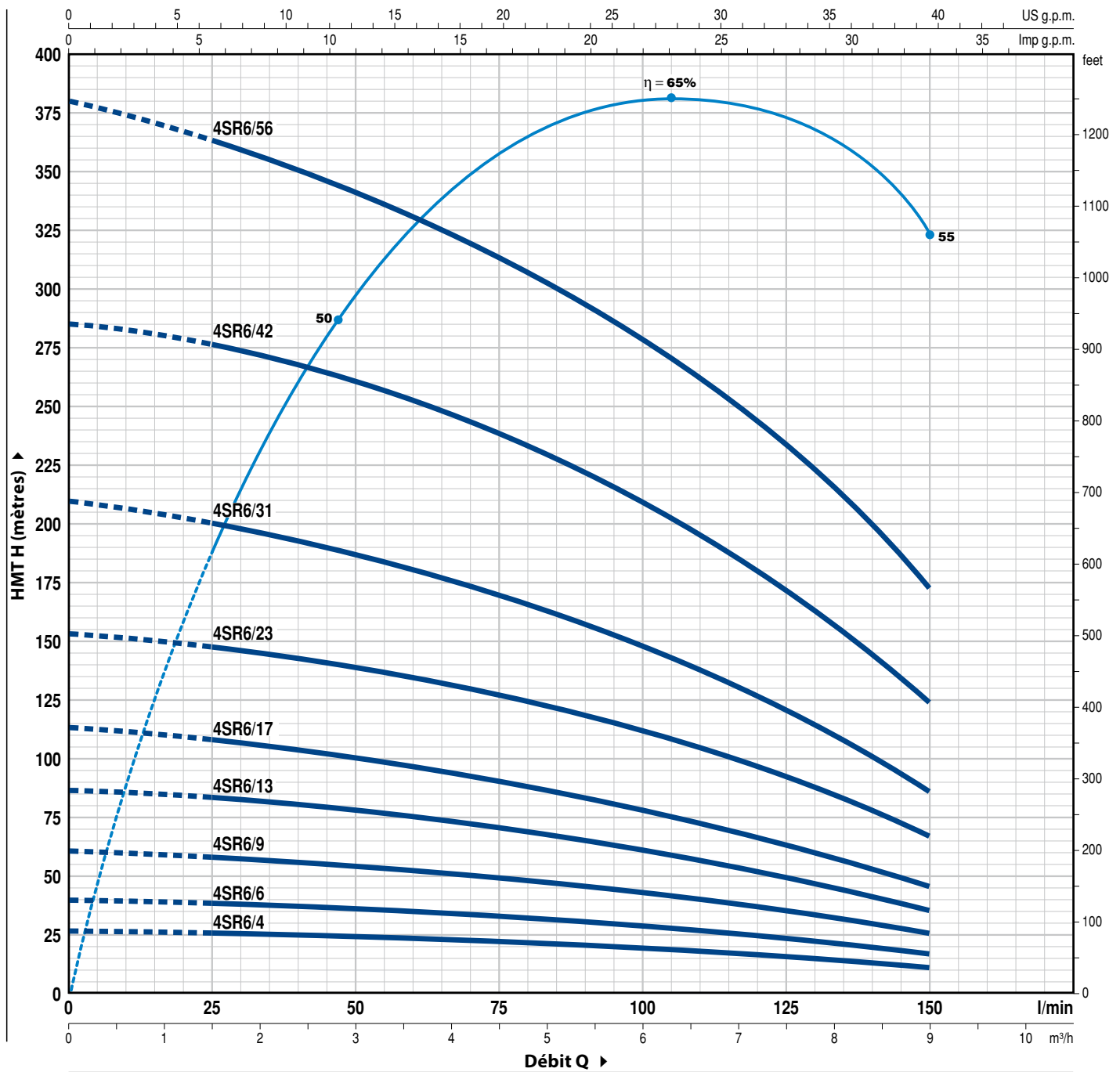
Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

# 4SR6

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



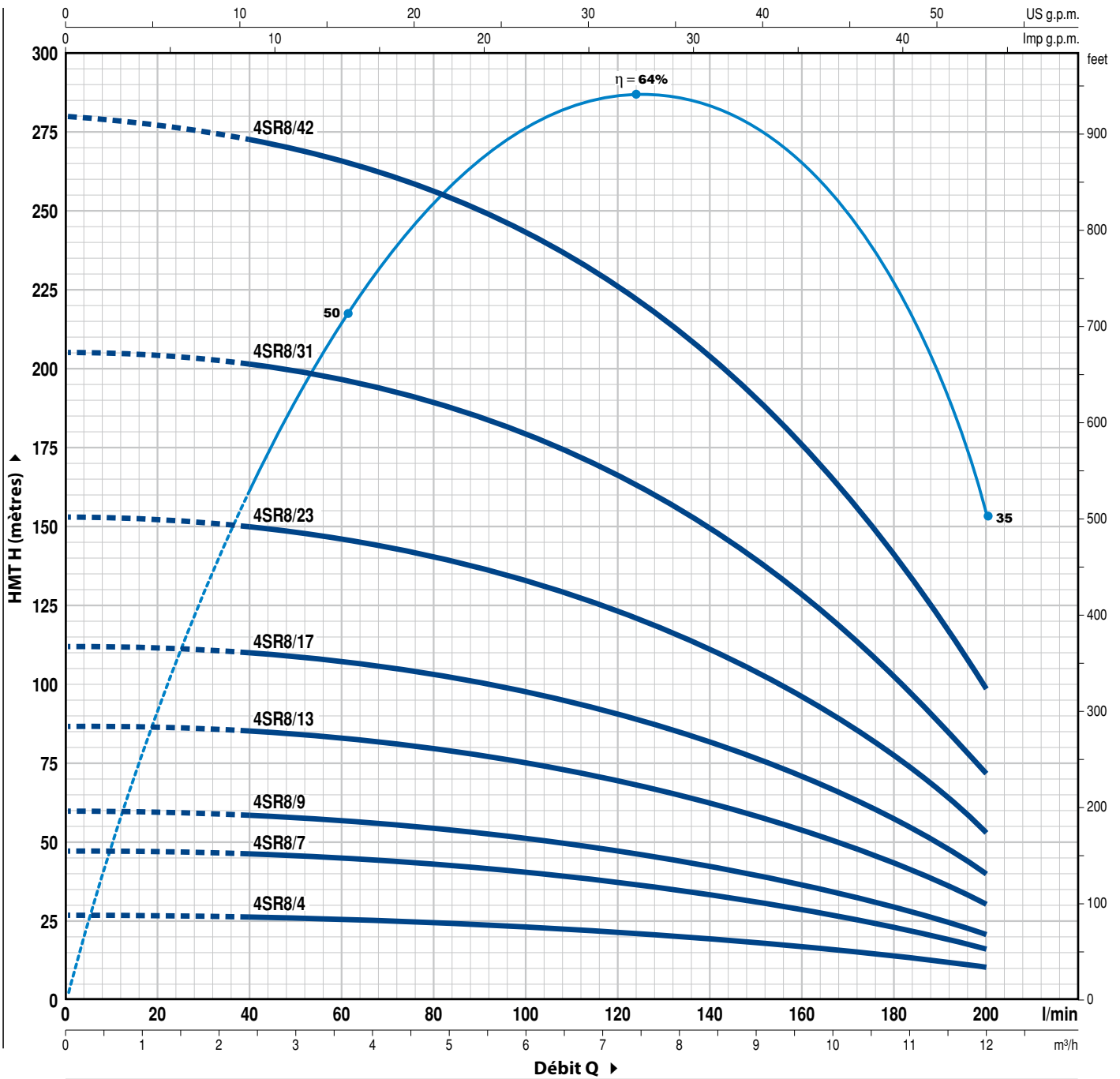
| TYPE      |          | PUISSANCE (P <sub>2</sub> ) |      | Q        | 0   | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 |
|-----------|----------|-----------------------------|------|----------|-----|-----|-----|-----|-----|-----|-----|
| Monophasé | Triphasé | kW                          | HP   |          | 0   | 25  | 50  | 75  | 100 | 125 | 150 |
| 4SR6m/4   | 4SR6/4   | 0.55                        | 0.75 | H mètres | 27  | 26  | 24  | 22  | 19  | 15  | 11  |
| 4SR6m/6   | 4SR6/6   | 0.75                        | 1    |          | 40  | 38  | 36  | 33  | 29  | 24  | 17  |
| 4SR6m/9   | 4SR6/9   | 1.1                         | 1.5  |          | 61  | 58  | 54  | 50  | 44  | 35  | 26  |
| 4SR6m/13  | 4SR6/13  | 1.5                         | 2    |          | 87  | 83  | 78  | 71  | 61  | 49  | 35  |
| 4SR6m/17  | 4SR6/17  | 2.2                         | 3    |          | 114 | 107 | 100 | 91  | 79  | 62  | 45  |
| -         | 4SR6/23  | 3                           | 4    |          | 154 | 148 | 138 | 128 | 112 | 92  | 67  |
| -         | 4SR6/31  | 4                           | 5.5  |          | 210 | 200 | 186 | 170 | 149 | 121 | 86  |
| -         | 4SR6/42  | 5.5                         | 7.5  |          | 285 | 276 | 258 | 240 | 212 | 170 | 124 |
| -         | 4SR6/56  | 7.5                         | 10   |          | 380 | 365 | 340 | 315 | 280 | 233 | 173 |

Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



| TYPE      |          | PUISSANCE (P <sub>2</sub> ) |     | Q        | 0   | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
|-----------|----------|-----------------------------|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Monophasé | Triphasé | kW                          | HP  |          | 0   | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180  | 200  |
| 4SR8m/4   | 4SR8/4   | 0.75                        | 1   | H mètres | 27  | 26  | 25  | 24  | 23  | 22  | 20  | 17  | 13   | 10   |
| 4SR8m/7   | 4SR8/7   | 1.1                         | 1.5 |          | 47  | 46  | 45  | 43  | 41  | 38  | 34  | 29  | 23   | 16   |
| 4SR8m/9   | 4SR8/9   | 1.5                         | 2   |          | 60  | 58  | 57  | 55  | 52  | 48  | 43  | 37  | 30   | 21   |
| 4SR8m/13  | 4SR8/13  | 2.2                         | 3   |          | 87  | 85  | 83  | 80  | 76  | 70  | 63  | 54  | 43   | 30   |
| -         | 4SR8/17  | 3                           | 4   |          | 112 | 110 | 108 | 104 | 99  | 92  | 82  | 70  | 56   | 40   |
| -         | 4SR8/23  | 4                           | 5.5 |          | 153 | 150 | 146 | 141 | 134 | 124 | 111 | 95  | 76   | 53   |
| -         | 4SR8/31  | 5.5                         | 7.5 |          | 205 | 200 | 196 | 190 | 181 | 167 | 149 | 128 | 103  | 72   |
| -         | 4SR8/42  | 7.5                         | 10  |          | 280 | 272 | 266 | 257 | 244 | 225 | 202 | 175 | 140  | 98   |

Q = Débit H = Hauteur manométrique totale

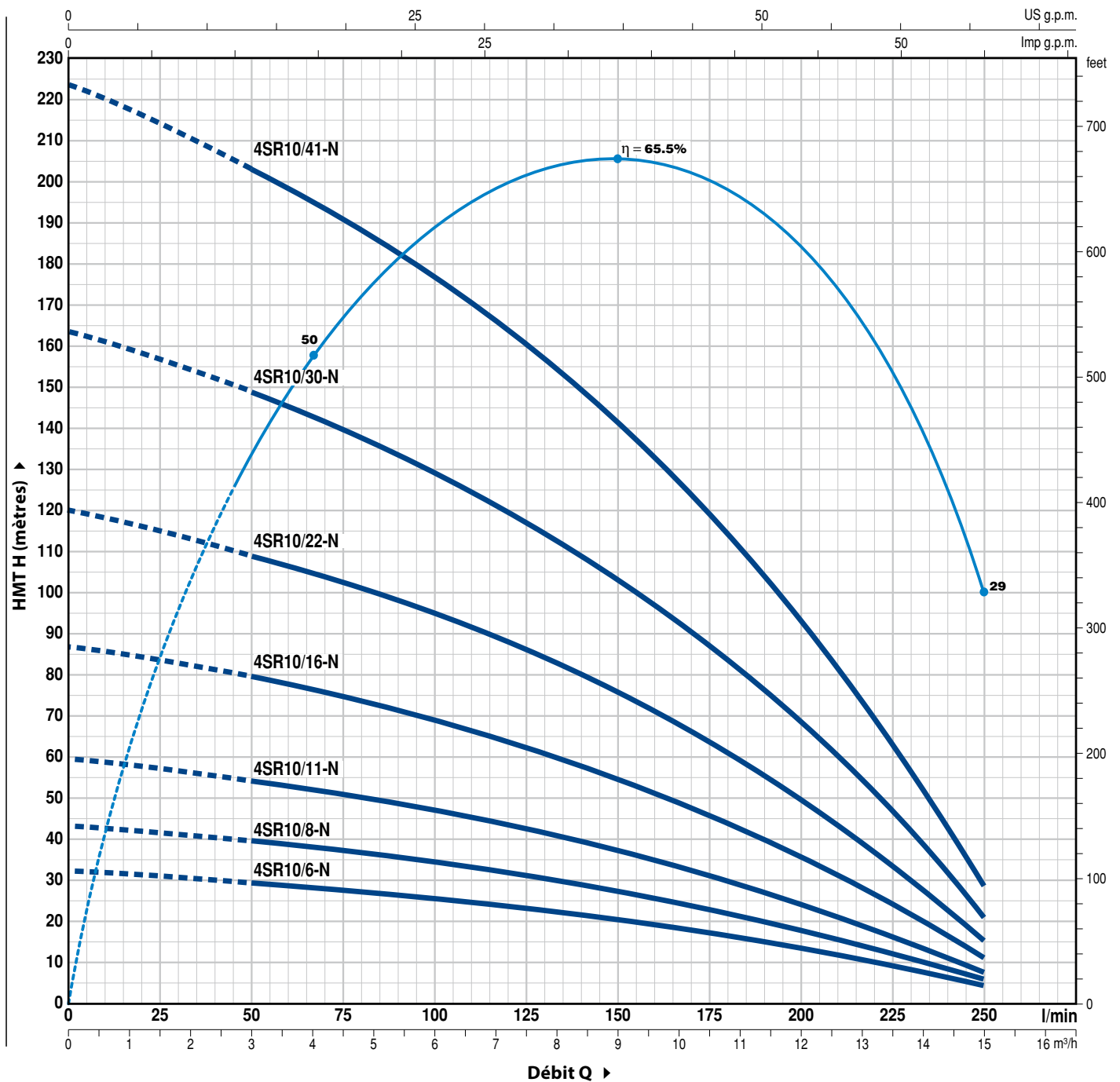
Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.



# 4SR10

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



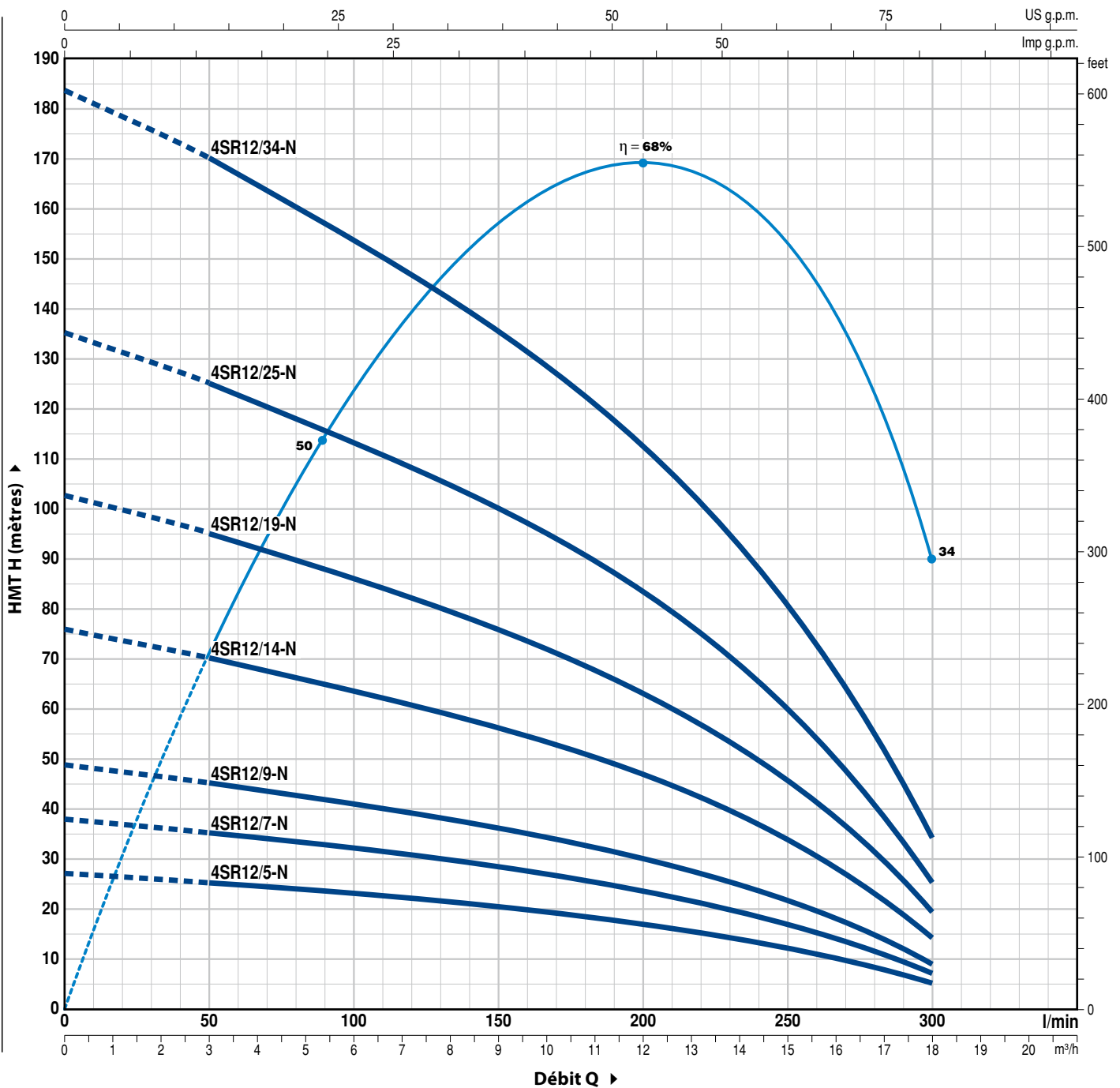
| TYPE         |             | PUISSANCE (P <sub>2</sub> ) |     | Q        | H    |     |     |     |      |     |      |      |      |      |
|--------------|-------------|-----------------------------|-----|----------|------|-----|-----|-----|------|-----|------|------|------|------|
| Monophasé    | Triphasé    | kW                          | HP  |          | m³/h | 0   | 3.0 | 6.0 | 7.5  | 9.0 | 10.5 | 12   | 13.5 | 15.0 |
|              |             |                             |     | l/min    | 0    | 50  | 100 | 125 | 150  | 175 | 200  | 225  | 250  |      |
| 4SR10m/6 -N  | 4SR10/6 -N  | 0.75                        | 1   | H mètres | 33   | 29  | 25  | 23  | 20.5 | 17  | 13.5 | 9    | 4    |      |
| 4SR10m/8 -N  | 4SR10/8 -N  | 1.1                         | 1.5 |          | 43   | 39  | 35  | 31  | 27.5 | 23  | 18   | 12   | 6    |      |
| 4SR10m/11 -N | 4SR10/11 -N | 1.5                         | 2   |          | 60   | 54  | 47  | 42  | 37.5 | 31  | 25   | 16.5 | 8    |      |
| 4SR10m/16 -N | 4SR10/16 -N | 2.2                         | 3   |          | 87   | 79  | 69  | 62  | 55   | 45  | 36.5 | 24   | 11   |      |
| -            | 4SR10/22 -N | 3                           | 4   |          | 120  | 109 | 95  | 85  | 76   | 63  | 50   | 33   | 15   |      |
| -            | 4SR10/30 -N | 4                           | 5.5 |          | 163  | 148 | 129 | 116 | 103  | 86  | 68   | 45   | 21   |      |
| -            | 4SR10/41 -N | 5.5                         | 7.5 |          | 223  | 203 | 176 | 159 | 141  | 117 | 93   | 61.5 | 29   |      |

Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n = 2900 rpm



| TYPE         |             | PUISSANCE (P <sub>2</sub> ) |     | Q<br>m <sup>3</sup> /h<br>l/min | H mètres |     |       |       |       |       |      |      |      |      |  |  |  |  |
|--------------|-------------|-----------------------------|-----|---------------------------------|----------|-----|-------|-------|-------|-------|------|------|------|------|--|--|--|--|
| Monophasé    | Triphasé    | kW                          | HP  |                                 | 0        | 3.0 | 6.0   | 8.4   | 10.2  | 12    | 13.8 | 15.6 | 16.8 | 18.0 |  |  |  |  |
|              |             |                             |     |                                 | 0        | 50  | 100   | 140   | 170   | 200   | 230  | 260  | 280  | 300  |  |  |  |  |
| 4SR12m/5 -N  | 4SR12/5 -N  | 0.75                        | 1   | H mètres                        | 27       | 25  | 22.5  | 20.5  | 18.5  | 16.5  | 14   | 10.7 | 8    | 5    |  |  |  |  |
| 4SR12m/7 -N  | 4SR12/7 -N  | 1.1                         | 1.5 |                                 | 38       | 35  | 31.5  | 28.5  | 26    | 23.2  | 19.7 | 15   | 11.2 | 7    |  |  |  |  |
| 4SR12m/9 -N  | 4SR12/9 -N  | 1.5                         | 2   |                                 | 48       | 45  | 40.7  | 36.7  | 33.5  | 29.8  | 25.4 | 19.2 | 14.5 | 9    |  |  |  |  |
| 4SR12m/14 -N | 4SR12/14 -N | 2.2                         | 3   |                                 | 75       | 70  | 63.3  | 57    | 52    | 46.5  | 39.5 | 30   | 22.5 | 14   |  |  |  |  |
| -            | 4SR12/19 -N | 3                           | 4   |                                 | 102      | 95  | 85.8  | 77.5  | 70.7  | 63    | 53.5 | 40.5 | 30.5 | 19   |  |  |  |  |
| -            | 4SR12/25 -N | 4                           | 5.5 |                                 | 135      | 125 | 113   | 102   | 93    | 83    | 70.5 | 53.5 | 40.2 | 25   |  |  |  |  |
| -            | 4SR12/34 -N | 5.5                         | 7.5 |                                 | 183      | 170 | 153.7 | 138.7 | 126.5 | 112.8 | 95.8 | 72.7 | 54.7 | 34   |  |  |  |  |

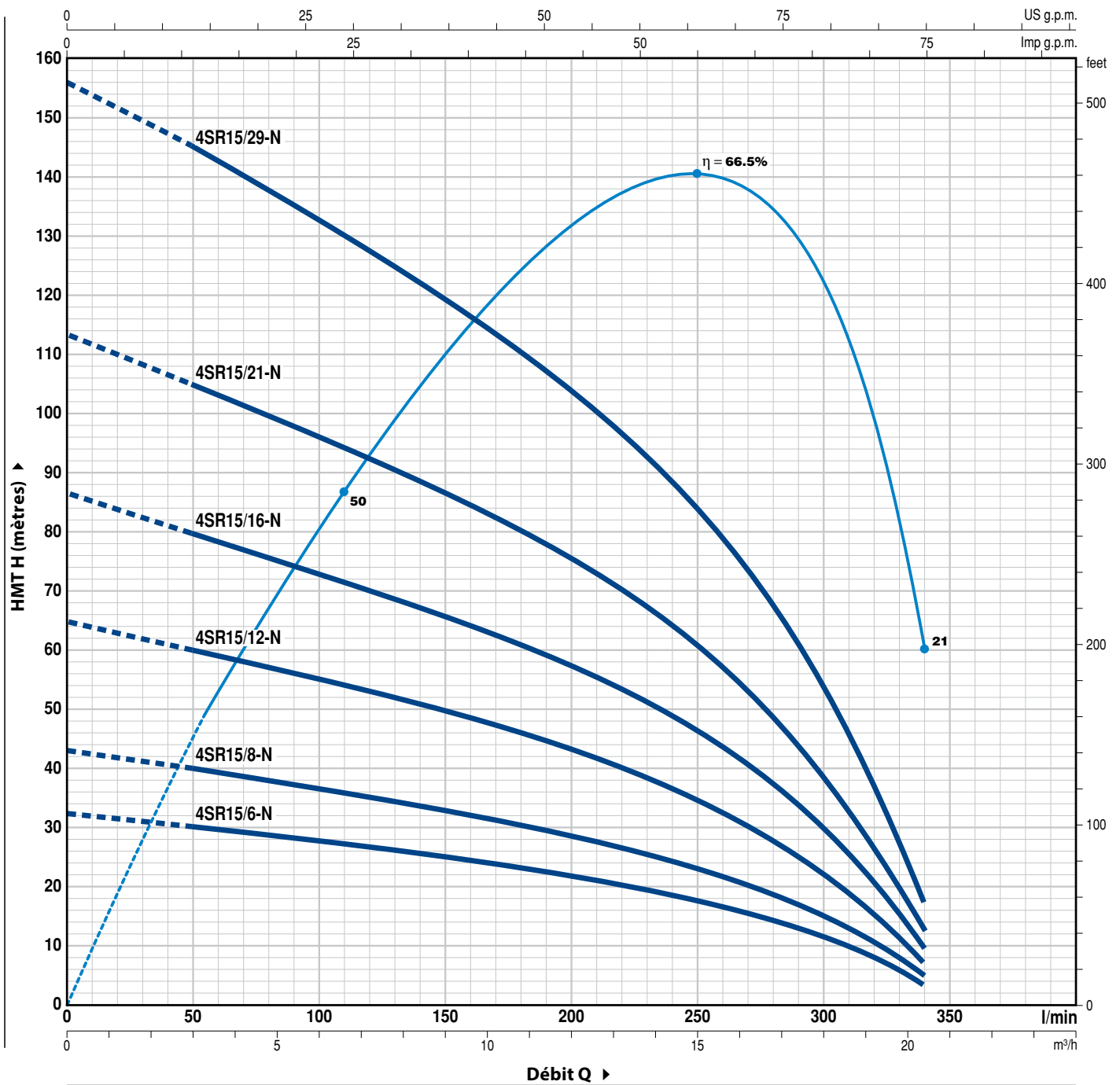
Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

# 4SR15

## COURBES ET CARACTÉRISTIQUES DE PERFORMANCE

50 Hz n= 2900 rpm



| TYPE         |             | PUISSANCE (P <sub>2</sub> ) |     | Q        | H                 |     |      |      |       |      |      |      |      |      |
|--------------|-------------|-----------------------------|-----|----------|-------------------|-----|------|------|-------|------|------|------|------|------|
| Monophasé    | Triphasé    | kW                          | HP  |          | m <sup>3</sup> /h | 0   | 3.0  | 6.0  | 9.0   | 12   | 15   | 18   | 19.2 | 20.4 |
|              |             |                             |     | l/min    | 0                 | 50  | 100  | 150  | 200   | 250  | 300  | 320  | 340  |      |
| 4SR15m/6 -N  | 4SR15/6 -N  | 1.1                         | 1.5 | H mètres | 32                | 30  | 27.5 | 24.5 | 21.5  | 17.5 | 11   | 7.5  | 3    |      |
| 4SR15m/8 -N  | 4SR15/8 -N  | 1.5                         | 2   |          | 43                | 40  | 36.5 | 32.5 | 28.5  | 23.5 | 14.5 | 10   | 5    |      |
| 4SR15m/12 -N | 4SR15/12 -N | 2.2                         | 3   |          | 64                | 60  | 54.5 | 49   | 43    | 35   | 22   | 15   | 7    |      |
| -            | 4SR15/16 -N | 3                           | 4   |          | 86                | 80  | 73   | 65.5 | 57.5  | 46.5 | 29.5 | 20.5 | 9    |      |
| -            | 4SR15/21 -N | 4                           | 5.5 |          | 113               | 105 | 95.5 | 86   | 75.5  | 61   | 38.5 | 26.5 | 12   |      |
| -            | 4SR15/29 -N | 5.5                         | 7.5 |          | 156               | 145 | 132  | 119  | 104.5 | 84.5 | 53   | 37   | 17   |      |

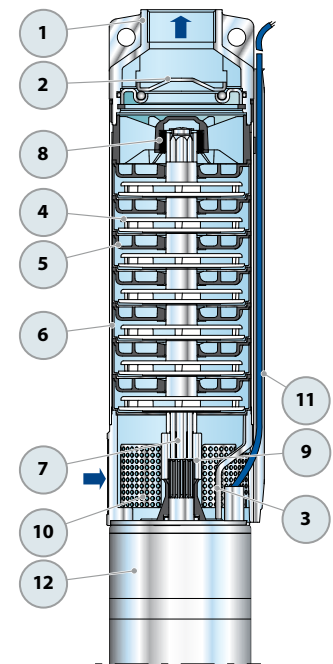
Q = Débit H = Hauteur manométrique totale

Tolérance des courbes de prestation selon EN ISO 9906 Degré 3B.

## REP. COMPOSANT

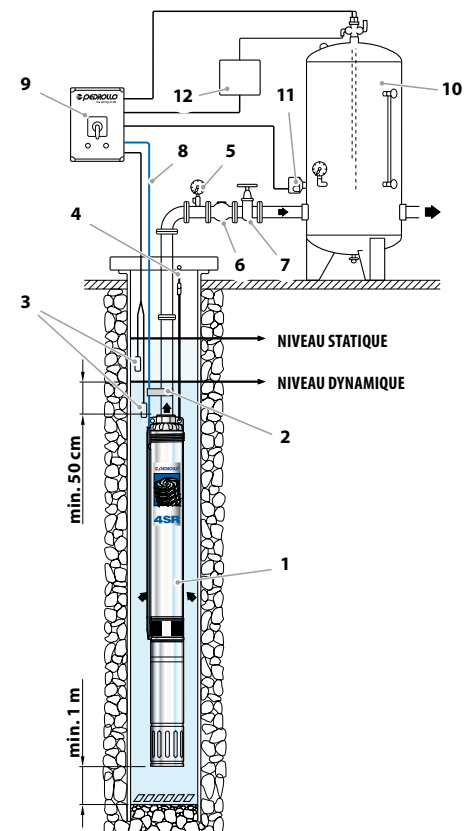
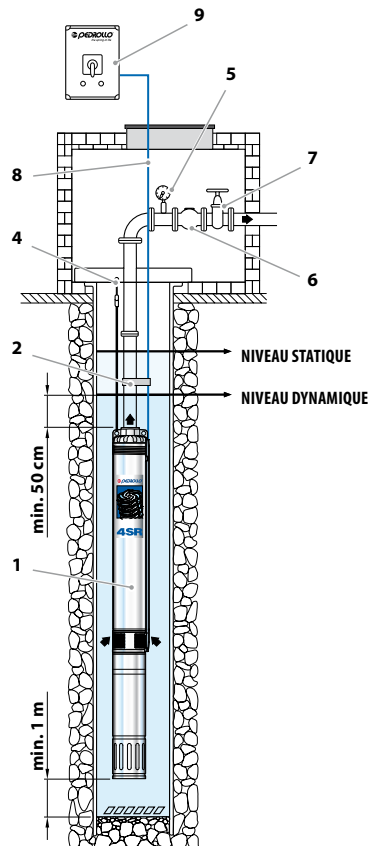
## CARACTÉRISTIQUES DE CONSTRUCTION

|                                 |   |
|---------------------------------|---|
| <b>1 CORPS DE REFOULEMENT</b>   | Acier inox AISI 304, coulé, avec orifice de refoulement taraudé ISO 228/1   |
| <b>2 CLAPET ANTI-RETOUR</b>     | Acier inox AISI 304   |
| <b>3 LANterne</b>               | Acier inox AISI 304, dimensionnée aux normes NEMA   |
| <b>4 ROUE</b>                   | Lexan 141-R pour 4SR1-1.5-2-4-6-8<br>Noryl FE1520PW pour 4SR10-12-15  |
| <b>5 DIFFUSEUR</b>              | Noryl FE1520PW  |
| <b>6 BOÎTE PORTE-DIFFUSEURS</b> | Acier inox AISI 304   |
| <b>7 ARBRE POMPE</b>            | Acier inox AISI 304   |
| <b>8 ROULEMENTS POMPE</b>       | Partie fixe en technopolymère spéciale et partie mobile en acier inox AISI 316 revêtue d'oxyde de chrome pour résister au sable |
| <b>9 MANCHON D'ENTRAÎNEMENT</b> | Acier inox AISI 316L jusqu'à 2.2 kW ;<br>Acier inox AISI 304 pour puissances supérieures  |
| <b>10 CREPINE</b>               | Acier inox AISI 304   |
| <b>11 PROTECTION CABLE</b>      | Acier inox AISI 304   |
| <b>12 MOTEUR 4"</b>             | <b>4PD</b> = moteur en bain d'huile "PEDROLLO"<br><b>4PS</b> = moteur en bain d'eau "PEDROLLO"                                  |



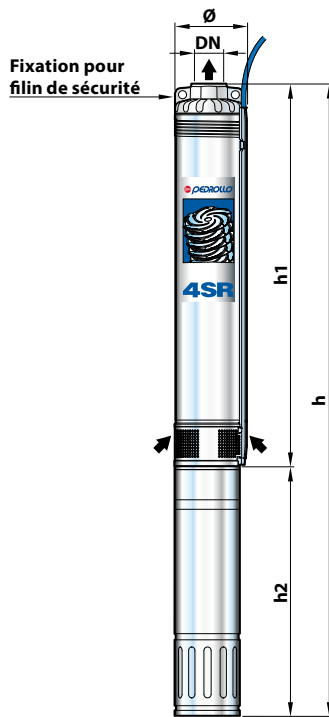
## EXEMPLE D'INSTALLATION

- 1) Électropompe immergée
- 2) Colliers de serrage câble d'alimentation
- 3) Sonde de contrôle niveau contre la marche à sec
- 4) Support et câble de fixation
- 5) Manomètre
- 6) Clapet anti-retour
- 7) Vanne de régulation débit
- 8) Câble d'alimentation électrique
- 9) Coffret électrique
- 10) Réservoir surpresseur
- 11) Pressostat
- 12) Insufflail



► L'installation des électropompes **4SR** est possible dans des puits d'un diamètre mini de 4" (100 mm). L'électropompe est descendue dans le puits à l'aide du tuyau de refoulement jusqu'à une profondeur qui en garantit l'immersion totale (min. 50 cm et au moins un mètre par rapport au fond du puits), y compris au cours du fonctionnement quand il peut se vérifier une baisse du niveau du liquide dans le puits. Quand l'électropompe immergée est installée dans un puits, il est conseillé de la fixer avec un câble en acier inox à raccorder aux trous prévus à cet effet sur le corps de refoulement.

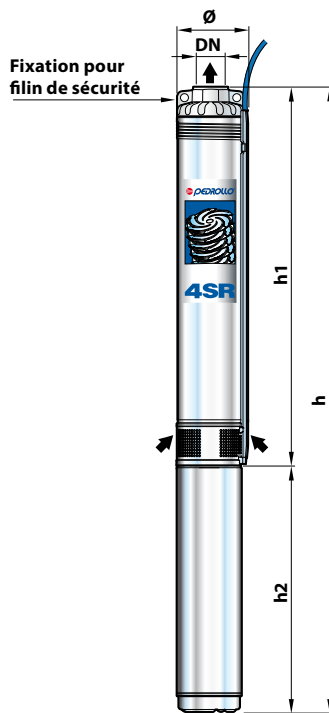
### DIMENSIONS ET POIDS



| TYPE              | ORIFICE | DIMENSIONS mm |      |      |      | kg   |     |      |
|-------------------|---------|---------------|------|------|------|------|-----|------|
|                   |         | DN            | Ø    | h1   | h2   |      | h   | 1~   |
| <b>Monophasé</b>  |         |               |      |      |      |      |     |      |
| 4SR1m/13 - PD     | 1 1/4"  | 98            | 400  | 311  | 711  | 11.2 |     |      |
| 4SR1m/18 - PD     |         |               | 517  | 331  | 848  | 13.2 |     |      |
| 4SR1m/25 - PD     |         |               | 646  | 356  | 1002 | 15.9 |     |      |
| 4SR1m/35 - PD     |         |               | 856  | 396  | 1252 | 19.6 |     |      |
| 4SR1m/45 - PD     |         |               | 1065 | 437  | 1502 | 23.1 |     |      |
| 4SR1.5m/8 - PD    |         |               | 308  | 311  | 619  | 10.3 |     |      |
| 4SR1.5m/13 - PD   |         |               | 400  | 331  | 731  | 11.7 |     |      |
| 4SR1.5m/17 - PD   |         |               | 499  | 356  | 855  | 14.2 |     |      |
| 4SR1.5m/25 - PD   |         |               | 646  | 396  | 1042 | 17.5 |     |      |
| 4SR1.5m/32 - PD   |         |               | 800  | 437  | 1237 | 20.9 |     |      |
| 4SR1.5m/46 - PD   |         |               | 1134 | 492  | 1626 | 28.1 |     |      |
| 4SR2m/7 - PD      |         |               | 290  | 311  | 601  | 10.1 |     |      |
| 4SR2m/10 - PD     |         |               | 345  | 331  | 676  | 11.4 |     |      |
| 4SR2m/13 - PD     |         |               | 400  | 356  | 756  | 13.3 |     |      |
| 4SR2m/20 - PD     |         |               | 554  | 396  | 950  | 16.6 |     |      |
| 4SR2m/27 - PD     |         |               | 683  | 437  | 1120 | 19.5 |     |      |
| 4SR2m/39 - PD     |         |               | 929  | 492  | 1421 | 25.4 |     |      |
| 4SR4m/7 - PD      |         |               | 314  | 331  | 645  | 11.0 |     |      |
| 4SR4m/9 - PD      |         |               | 358  | 356  | 714  | 12.8 |     |      |
| 4SR4m/14 - PD     |         |               | 468  | 396  | 864  | 15.6 |     |      |
| 4SR4m/18 - PD     |         |               | 580  | 437  | 1017 | 18.3 |     |      |
| 4SR4m/26 - PD     |         |               | 756  | 492  | 1248 | 23.2 |     |      |
| 4SR6m/4 - PD      |         |               | 2"   | 98   | 281  | 331  | 612 | 10.9 |
| 4SR6m/6 - PD      |         |               |      |      | 341  | 356  | 697 | 12.5 |
| 4SR6m/9 - PD      | 431     | 396           |      |      | 827  | 15.0 |     |      |
| 4SR6m/13 - PD     | 576     | 437           |      |      | 1013 | 17.8 |     |      |
| 4SR6m/17 - PD     | 695     | 492           |      |      | 1187 | 22.2 |     |      |
| 4SR8m/4 - PD      | 281     | 356           |      |      | 637  | 12.0 |     |      |
| 4SR8m/7 - PD      | 371     | 396           |      |      | 767  | 14.4 |     |      |
| 4SR8m/9 - PD      | 431     | 437           |      |      | 868  | 16.4 |     |      |
| 4SR8m/13 - PD     | 576     | 492           |      |      | 1068 | 21.0 |     |      |
| 4SR10m/6 -N - PD  | 616     | 356           |      |      | 972  | 14.0 |     |      |
| 4SR10m/8 -N - PD  | 762     | 396           |      |      | 1158 | 16.9 |     |      |
| 4SR10m/11 -N - PD | 981     | 437           |      |      | 1418 | 20.2 |     |      |
| 4SR10m/16 -N - PD | 1346    | 492           | 1838 | 26.4 |      |      |     |      |
| 4SR12m/5 -N - PD  | 543     | 356           | 899  | 13.4 |      |      |     |      |
| 4SR12m/7 -N - PD  | 689     | 396           | 1085 | 16.3 |      |      |     |      |
| 4SR12m/9 -N - PD  | 835     | 437           | 1272 | 19.0 |      |      |     |      |
| 4SR12m/14 -N - PD | 1200    | 492           | 1692 | 25.2 |      |      |     |      |
| 4SR15m/6 -N - PD  | 616     | 396           | 1012 | 15.7 |      |      |     |      |
| 4SR15m/8 -N - PD  | 762     | 437           | 1199 | 18.4 |      |      |     |      |
| 4SR15m/12 -N - PD | 1054    | 492           | 1546 | 24.0 |      |      |     |      |

| TYPE             | ORIFICE | DIMENSIONS mm |      |      |      | kg   |      |      |
|------------------|---------|---------------|------|------|------|------|------|------|
|                  |         | DN            | Ø    | h1   | h2   |      | h    | 3~   |
| <b>Triphasé</b>  |         |               |      |      |      |      |      |      |
| 4SR1/13 - PD     | 1 1/4"  | 98            | 400  | 311  | 711  | 11.2 |      |      |
| 4SR1/18 - PD     |         |               | 517  | 331  | 848  | 13.2 |      |      |
| 4SR1/25 - PD     |         |               | 646  | 356  | 1002 | 15.9 |      |      |
| 4SR1/35 - PD     |         |               | 856  | 396  | 1227 | 18.8 |      |      |
| 4SR1/45 - PD     |         |               | 1065 | 396  | 1461 | 21.6 |      |      |
| 4SR1.5/8 - PD    |         |               | 308  | 311  | 619  | 10.3 |      |      |
| 4SR1.5/13 - PD   |         |               | 400  | 331  | 731  | 11.7 |      |      |
| 4SR1.5/17 - PD   |         |               | 499  | 356  | 855  | 14.2 |      |      |
| 4SR1.5/25 - PD   |         |               | 646  | 371  | 1017 | 16.7 |      |      |
| 4SR1.5/32 - PD   |         |               | 800  | 396  | 1196 | 19.4 |      |      |
| 4SR1.5/46 - PD   |         |               | 1134 | 437  | 1571 | 24.9 |      |      |
| 4SR2/7 - PD      |         |               | 290  | 311  | 601  | 10.1 |      |      |
| 4SR2/10 - PD     |         |               | 345  | 331  | 676  | 11.4 |      |      |
| 4SR2/13 - PD     |         |               | 400  | 356  | 756  | 13.3 |      |      |
| 4SR2/20 - PD     |         |               | 554  | 371  | 925  | 15.8 |      |      |
| 4SR2/27 - PD     |         |               | 683  | 396  | 1079 | 18.0 |      |      |
| 4SR2/39 - PD     |         |               | 929  | 437  | 1366 | 22.2 |      |      |
| 4SR4/7 - PD      |         |               | 314  | 331  | 645  | 11.0 |      |      |
| 4SR4/9 - PD      |         |               | 358  | 356  | 714  | 12.8 |      |      |
| 4SR4/14 - PD     |         |               | 468  | 371  | 839  | 14.8 |      |      |
| 4SR4/18 - PD     |         |               | 580  | 396  | 976  | 16.8 |      |      |
| 4SR4/26 - PD     |         |               | 756  | 437  | 1193 | 20.0 |      |      |
| 4SR4/35 - PD     |         |               | 978  | 450  | 1428 | 23.9 |      |      |
| 4SR4/46 - PD     |         |               | 1295 | 505  | 1800 | 31.1 |      |      |
| 4SR4/60 - PD     |         |               | 1652 | 700  | 2352 | 44.1 |      |      |
| 4SR6/4 - PD      |         |               | 2"   | 98   | 281  | 331  | 612  | 10.9 |
| 4SR6/6 - PD      |         |               |      |      | 341  | 356  | 697  | 12.5 |
| 4SR6/9 - PD      |         |               |      |      | 431  | 371  | 802  | 14.2 |
| 4SR6/13 - PD     |         |               |      |      | 576  | 396  | 972  | 16.3 |
| 4SR6/17 - PD     |         |               |      |      | 695  | 437  | 1132 | 19.0 |
| 4SR6/23 - PD     |         |               |      |      | 900  | 450  | 1350 | 22.5 |
| 4SR6/31 - PD     |         |               |      |      | 1164 | 505  | 1669 | 27.7 |
| 4SR6/42 - PD     | 1519    | 700           |      |      | 2219 | 40.4 |      |      |
| 4SR6/56 - PD     | 2063    | 800           |      |      | 2863 | 51.0 |      |      |
| 4SR8/4 - PD      | 281     | 356           |      |      | 637  | 12.0 |      |      |
| 4SR8/7 - PD      | 371     | 371           |      |      | 742  | 13.6 |      |      |
| 4SR8/9 - PD      | 431     | 396           |      |      | 827  | 14.9 |      |      |
| 4SR8/13 - PD     | 576     | 437           |      |      | 1013 | 17.8 |      |      |
| 4SR8/17 - PD     | 695     | 450           |      |      | 1145 | 20.4 |      |      |
| 4SR8/23 - PD     | 900     | 505           |      |      | 1405 | 25.4 |      |      |
| 4SR8/31 - PD     | 1164    | 700           |      |      | 1864 | 36.5 |      |      |
| 4SR8/42 - PD     | 1519    | 800           |      |      | 2319 | 43.9 |      |      |
| 4SR10/6 -N - PD  | 616     | 356           |      |      | 972  | 14.0 |      |      |
| 4SR10/8 -N - PD  | 762     | 371           |      |      | 1133 | 16.1 |      |      |
| 4SR10/11 -N - PD | 981     | 396           |      |      | 1377 | 18.7 |      |      |
| 4SR10/16 -N - PD | 1346    | 437           |      |      | 1783 | 23.2 |      |      |
| 4SR10/22 -N - PD | 1784    | 450           |      |      | 2234 | 28.2 |      |      |
| 4SR10/30 -N - PD | 2368    | 505           |      |      | 2873 | 36.1 |      |      |
| 4SR10/41 -N - PD | 3171    | 700           |      |      | 3871 | 51.2 |      |      |
| 4SR12/5 -N - PD  | 543     | 356           | 899  | 13.4 |      |      |      |      |
| 4SR12/7 -N - PD  | 689     | 371           | 1060 | 15.5 |      |      |      |      |
| 4SR12/9 -N - PD  | 835     | 396           | 1231 | 17.5 |      |      |      |      |
| 4SR12/14 -N - PD | 1200    | 437           | 1637 | 22.0 |      |      |      |      |
| 4SR12/19 -N - PD | 1565    | 450           | 2015 | 26.5 |      |      |      |      |
| 4SR12/25 -N - PD | 2003    | 505           | 2508 | 32.9 |      |      |      |      |
| 4SR12/34 -N - PD | 2660    | 700           | 3360 | 46.9 |      |      |      |      |
| 4SR15/6 -N - PD  | 616     | 371           | 987  | 14.9 |      |      |      |      |
| 4SR15/8 -N - PD  | 762     | 396           | 1158 | 16.9 |      |      |      |      |
| 4SR15/12 -N - PD | 1054    | 437           | 1491 | 20.8 |      |      |      |      |
| 4SR15/16 -N - PD | 1346    | 450           | 1796 | 24.7 |      |      |      |      |
| 4SR15/21 -N - PD | 1711    | 505           | 2216 | 30.5 |      |      |      |      |
| 4SR15/29 -N - PD | 2295    | 700           | 2995 | 43.9 |      |      |      |      |

## DIMENSIONS ET POIDS



| TYPE              | ORIFICE | DIMENSIONS mm |               |      | kg   |      |
|-------------------|---------|---------------|---------------|------|------|------|
|                   |         | DN            | $\varnothing$ | h1   |      | h2   |
| <b>Monophasé</b>  |         |               |               |      |      |      |
| 4SR1m/13 - PS     | 1 1/4"  | 98            | 400           | 237  | 637  | 11.5 |
| 4SR1m/18 - PS     |         |               | 517           | 257  | 774  | 13.9 |
| 4SR1m/25 - PS     |         |               | 646           | 272  | 918  | 16.5 |
| 4SR1m/35 - PS     |         |               | 856           | 312  | 1168 | 20.6 |
| 4SR1m/45 - PS     |         |               | 1065          | 352  | 1417 | 24.8 |
| 4SR1.5m/8 - PS    |         |               | 308           | 237  | 545  | 10.6 |
| 4SR1.5m/13 - PS   |         |               | 400           | 257  | 657  | 12.4 |
| 4SR1.5m/17 - PS   |         |               | 499           | 272  | 771  | 14.8 |
| 4SR1.5m/25 - PS   |         |               | 646           | 312  | 958  | 18.5 |
| 4SR1.5m/32 - PS   |         |               | 800           | 352  | 1152 | 22.6 |
| 4SR1.5m/46 - PS   |         |               | 1134          | 402  | 1536 | 27.4 |
| 4SR2m/7 - PS      |         |               | 290           | 237  | 527  | 10.4 |
| 4SR2m/10 - PS     |         |               | 345           | 257  | 602  | 12.1 |
| 4SR2m/13 - PS     |         |               | 400           | 272  | 672  | 13.9 |
| 4SR2m/20 - PS     |         |               | 554           | 312  | 866  | 17.6 |
| 4SR2m/27 - PS     |         |               | 683           | 352  | 1035 | 21.2 |
| 4SR2m/39 - PS     |         |               | 929           | 402  | 1331 | 24.7 |
| 4SR4m/7 - PS      |         |               | 314           | 257  | 571  | 11.7 |
| 4SR4m/9 - PS      | 358     | 272           | 630           | 13.4 |      |      |
| 4SR4m/14 - PS     | 468     | 312           | 780           | 16.6 |      |      |
| 4SR4m/18 - PS     | 580     | 352           | 932           | 20.0 |      |      |
| 4SR4m/26 - PS     | 756     | 402           | 1158          | 22.5 |      |      |
| 4SR6m/4 - PS      | 2"      | 98            | 281           | 257  | 538  | 11.6 |
| 4SR6m/6 - PS      |         |               | 341           | 272  | 613  | 13.1 |
| 4SR6m/9 - PS      |         |               | 431           | 312  | 743  | 16.0 |
| 4SR6m/13 - PS     |         |               | 576           | 352  | 928  | 19.5 |
| 4SR6m/17 - PS     |         |               | 695           | 402  | 1097 | 21.5 |
| 4SR8m/4 - PS      |         |               | 281           | 272  | 553  | 12.6 |
| 4SR8m/7 - PS      |         |               | 371           | 312  | 683  | 15.4 |
| 4SR8m/9 - PS      |         |               | 431           | 352  | 783  | 18.1 |
| 4SR8m/13 - PS     |         |               | 576           | 402  | 978  | 20.3 |
| 4SR10m/6 -N - PS  |         |               | 616           | 272  | 888  | 14.6 |
| 4SR10m/8 -N - PS  |         |               | 762           | 312  | 1074 | 17.9 |
| 4SR10m/11 -N - PS |         |               | 981           | 352  | 1333 | 21.9 |
| 4SR10m/16 -N - PS |         |               | 1346          | 402  | 1748 | 25.7 |
| 4SR12m/5 -N - PS  |         |               | 543           | 272  | 815  | 14.0 |
| 4SR12m/7 -N - PS  |         |               | 689           | 312  | 1001 | 17.3 |
| 4SR12m/9 -N - PS  |         |               | 835           | 352  | 1187 | 20.7 |
| 4SR12m/14 -N - PS |         |               | 1200          | 402  | 1602 | 24.5 |
| 4SR15m/6 -N - PS  |         |               | 616           | 312  | 928  | 16.7 |
| 4SR15m/8 -N - PS  | 762     | 352           | 1114          | 20.1 |      |      |
| 4SR15m/12 -N - PS | 1054    | 402           | 1456          | 23.3 |      |      |

| TYPE             | ORIFICE | DIMENSIONS mm |               |      | kg   |      |      |      |
|------------------|---------|---------------|---------------|------|------|------|------|------|
|                  |         | DN            | $\varnothing$ | h1   |      | h2   | h    | 3~   |
| <b>Triphasé</b>  |         |               |               |      |      |      |      |      |
| 4SR1/13 - PS     | 1 1/4"  | 98            | 400           | 237  | 637  | 11.5 |      |      |
| 4SR1/18 - PS     |         |               | 517           | 237  | 754  | 12.8 |      |      |
| 4SR1/25 - PS     |         |               | 646           | 257  | 903  | 15.3 |      |      |
| 4SR1/35 - PS     |         |               | 856           | 272  | 1128 | 18.5 |      |      |
| 4SR1/45 - PS     |         |               | 1065          | 297  | 1362 | 22.6 |      |      |
| 4SR1.5/8 - PS    |         |               | 308           | 237  | 545  | 10.6 |      |      |
| 4SR1.5/13 - PS   |         |               | 400           | 237  | 637  | 11.3 |      |      |
| 4SR1.5/17 - PS   |         |               | 499           | 257  | 756  | 13.6 |      |      |
| 4SR1.5/25 - PS   |         |               | 646           | 272  | 918  | 16.4 |      |      |
| 4SR1.5/32 - PS   |         |               | 800           | 297  | 1097 | 20.4 |      |      |
| 4SR1.5/46 - PS   |         |               | 1134          | 352  | 1486 | 26.6 |      |      |
| 4SR2/7 - PS      |         |               | 290           | 237  | 527  | 10.4 |      |      |
| 4SR2/10 - PS     |         |               | 345           | 237  | 582  | 11.0 |      |      |
| 4SR2/13 - PS     |         |               | 400           | 257  | 657  | 12.7 |      |      |
| 4SR2/20 - PS     |         |               | 554           | 272  | 826  | 15.5 |      |      |
| 4SR2/27 - PS     |         |               | 683           | 297  | 980  | 19.0 |      |      |
| 4SR2/39 - PS     |         |               | 929           | 352  | 1281 | 23.9 |      |      |
| 4SR4/7 - PS      |         |               | 314           | 237  | 551  | 10.6 |      |      |
| 4SR4/9 - PS      |         |               | 358           | 257  | 615  | 12.2 |      |      |
| 4SR4/14 - PS     |         |               | 468           | 272  | 740  | 14.5 |      |      |
| 4SR4/18 - PS     |         |               | 580           | 297  | 877  | 17.8 |      |      |
| 4SR4/26 - PS     |         |               | 756           | 352  | 1108 | 21.7 |      |      |
| 4SR4/35 - PS     |         |               | 978           | 484  | 1462 | 24.0 |      |      |
| 4SR4/46 - PS     |         |               | 1295          | 574  | 1869 | 38.4 |      |      |
| 4SR4/60 - PS     |         |               | 1652          | 664  | 2316 | 47.2 |      |      |
| 4SR6/4 - PS      |         |               | 2"            | 98   | 281  | 237  | 518  | 10.5 |
| 4SR6/6 - PS      |         |               |               |      | 341  | 257  | 598  | 11.9 |
| 4SR6/9 - PS      |         |               |               |      | 431  | 272  | 703  | 13.9 |
| 4SR6/13 - PS     |         |               |               |      | 576  | 297  | 873  | 17.3 |
| 4SR6/17 - PS     |         |               |               |      | 695  | 352  | 1047 | 20.7 |
| 4SR6/23 - PS     | 900     | 484           |               |      | 1384 | 22.6 |      |      |
| 4SR6/31 - PS     | 1164    | 574           |               |      | 1738 | 35.0 |      |      |
| 4SR6/42 - PS     | 1519    | 664           |               |      | 2183 | 43.5 |      |      |
| 4SR6/56 - PS     | 2063    | 764           |               |      | 2827 | 53.4 |      |      |
| 4SR8/4 - PS      | 281     | 257           |               |      | 538  | 11.4 |      |      |
| 4SR8/7 - PS      | 371     | 272           |               |      | 643  | 13.3 |      |      |
| 4SR8/9 - PS      | 431     | 297           |               |      | 728  | 15.9 |      |      |
| 4SR8/13 - PS     | 576     | 352           |               |      | 928  | 19.5 |      |      |
| 4SR8/17 - PS     | 695     | 484           |               |      | 1179 | 20.5 |      |      |
| 4SR8/23 - PS     | 900     | 574           |               |      | 1474 | 32.7 |      |      |
| 4SR8/31 - PS     | 1164    | 664           |               |      | 1828 | 39.6 |      |      |
| 4SR8/42 - PS     | 1519    | 764           |               |      | 2283 | 46.3 |      |      |
| 4SR10/6 -N - PS  | 616     | 257           |               |      | 873  | 13.4 |      |      |
| 4SR10/8 -N - PS  | 762     | 272           | 1034          | 15.8 |      |      |      |      |
| 4SR10/11 -N - PS | 981     | 297           | 1278          | 19.7 |      |      |      |      |
| 4SR10/16 -N - PS | 1346    | 352           | 1698          | 24.9 |      |      |      |      |
| 4SR10/22 -N - PS | 1784    | 484           | 2268          | 28.3 |      |      |      |      |
| 4SR10/30 -N - PS | 2368    | 574           | 2942          | 43.4 |      |      |      |      |
| 4SR10/41 -N - PS | 3171    | 664           | 3835          | 54.3 |      |      |      |      |
| 4SR12/5 -N - PS  | 543     | 257           | 800           | 12.8 |      |      |      |      |
| 4SR12/7 -N - PS  | 689     | 272           | 961           | 15.2 |      |      |      |      |
| 4SR12/9 -N - PS  | 835     | 297           | 1132          | 18.5 |      |      |      |      |
| 4SR12/14 -N - PS | 1200    | 352           | 1552          | 23.7 |      |      |      |      |
| 4SR12/19 -N - PS | 1565    | 484           | 2049          | 26.6 |      |      |      |      |
| 4SR12/25 -N - PS | 2003    | 574           | 2577          | 40.2 |      |      |      |      |
| 4SR12/34 -N - PS | 2660    | 664           | 3324          | 50.0 |      |      |      |      |
| 4SR15/6 -N - PS  | 616     | 272           | 888           | 14.6 |      |      |      |      |
| 4SR15/8 -N - PS  | 762     | 297           | 1059          | 17.9 |      |      |      |      |
| 4SR15/12 -N - PS | 1054    | 352           | 1406          | 22.5 |      |      |      |      |
| 4SR15/16 -N - PS | 1346    | 484           | 1830          | 24.8 |      |      |      |      |
| 4SR15/21 -N - PS | 1711    | 574           | 2285          | 37.8 |      |      |      |      |
| 4SR15/29 -N - PS | 2295    | 664           | 2959          | 47.0 |      |      |      |      |

### DIMENSIONS ET POIDS (HYDRAULIQUE SEULE)



| TYPE              | ORIFICE | DIMENSIONS mm |      |      | kg   |     |     |
|-------------------|---------|---------------|------|------|------|-----|-----|
|                   |         | Ø             | h1   | h    |      |     |     |
| 4SR1/13 - HYD     | 1 1/4"  | 98            | 400  | 403  | 4.7  |     |     |
| 4SR1/18 - HYD     |         |               | 517  | 520  | 6.0  |     |     |
| 4SR1/25 - HYD     |         |               | 646  | 649  | 7.4  |     |     |
| 4SR1/35 - HYD     |         |               | 856  | 859  | 9.4  |     |     |
| 4SR1/45 - HYD     |         |               | 1065 | 1068 | 11.4 |     |     |
| 4SR1.5/8 - HYD    |         |               | 308  | 311  | 3.8  |     |     |
| 4SR1.5/13 - HYD   |         |               | 400  | 403  | 4.5  |     |     |
| 4SR1.5/17 - HYD   |         |               | 499  | 502  | 5.7  |     |     |
| 4SR1.5/25 - HYD   |         |               | 646  | 649  | 7.3  |     |     |
| 4SR1.5/32 - HYD   |         |               | 800  | 803  | 9.2  |     |     |
| 4SR1.5/46 - HYD   |         |               | 1134 | 1137 | 13.2 |     |     |
| 4SR2/7 - HYD      |         |               | 290  | 293  | 3.6  |     |     |
| 4SR2/10 - HYD     |         |               | 345  | 348  | 4.2  |     |     |
| 4SR2/13 - HYD     |         |               | 400  | 403  | 4.8  |     |     |
| 4SR2/20 - HYD     |         |               | 554  | 557  | 6.4  |     |     |
| 4SR2/27 - HYD     |         |               | 683  | 686  | 7.8  |     |     |
| 4SR2/39 - HYD     |         |               | 929  | 932  | 10.5 |     |     |
| 4SR4/7 - HYD      |         |               | 314  | 317  | 3.8  |     |     |
| 4SR4/9 - HYD      |         |               | 358  | 361  | 4.3  |     |     |
| 4SR4/14 - HYD     |         |               | 468  | 471  | 5.4  |     |     |
| 4SR4/18 - HYD     |         |               | 580  | 583  | 6.6  |     |     |
| 4SR4/26 - HYD     |         |               | 756  | 759  | 8.3  |     |     |
| 4SR4/35 - HYD     |         |               | 978  | 981  | 10.7 |     |     |
| 4SR4/46 - HYD     |         |               | 1295 | 1298 | 15.0 |     |     |
| 4SR4/60 - HYD     |         |               | 1652 | 1655 | 19.4 |     |     |
| 4SR6/4 - HYD      |         |               | 98   | 98   | 281  | 284 | 3.7 |
| 4SR6/6 - HYD      |         |               |      |      | 341  | 344 | 4.0 |
| 4SR6/9 - HYD      |         |               |      |      | 431  | 434 | 4.8 |
| 4SR6/13 - HYD     | 576     | 579           |      |      | 6.1  |     |     |
| 4SR6/17 - HYD     | 695     | 698           |      |      | 7.3  |     |     |
| 4SR6/23 - HYD     | 900     | 903           |      |      | 9.3  |     |     |
| 4SR6/31 - HYD     | 1164    | 1167          |      |      | 11.6 |     |     |
| 4SR6/42 - HYD     | 1519    | 1522          |      |      | 15.7 |     |     |
| 4SR6/56 - HYD     | 2063    | 2066          |      |      | 22.0 |     |     |
| 4SR8/4 - HYD      | 281     | 284           |      |      | 3.5  |     |     |
| 4SR8/7 - HYD      | 371     | 374           |      |      | 4.2  |     |     |
| 4SR8/9 - HYD      | 431     | 434           |      |      | 4.7  |     |     |
| 4SR8/13 - HYD     | 576     | 579           | 6.1  |      |      |     |     |
| 4SR8/17 - HYD     | 695     | 698           | 7.2  |      |      |     |     |
| 4SR8/23 - HYD     | 900     | 903           | 9.3  |      |      |     |     |
| 4SR8/31 - HYD     | 1164    | 1167          | 11.8 |      |      |     |     |
| 4SR8/42 - HYD     | 1519    | 1522          | 14.9 |      |      |     |     |
| 4SR10/6 -N - HYD  | 2"      | 98            | 616  | 619  | 5.5  |     |     |
| 4SR10/8 -N - HYD  |         |               | 762  | 765  | 6.7  |     |     |
| 4SR10/11 -N - HYD |         |               | 981  | 984  | 8.5  |     |     |
| 4SR10/16 -N - HYD |         |               | 1346 | 1349 | 11.5 |     |     |
| 4SR10/22 -N - HYD |         |               | 1784 | 1787 | 15.0 |     |     |
| 4SR10/30 -N - HYD |         |               | 2368 | 2371 | 20.0 |     |     |
| 4SR10/41 -N - HYD |         |               | 3171 | 3174 | 26.5 |     |     |
| 4SR12/5 -N - HYD  |         |               | 543  | 546  | 4.9  |     |     |
| 4SR12/7 -N - HYD  |         |               | 689  | 692  | 6.1  |     |     |
| 4SR12/9 -N - HYD  |         |               | 835  | 838  | 7.3  |     |     |
| 4SR12/14 -N - HYD |         |               | 1200 | 1203 | 10.3 |     |     |
| 4SR12/19 -N - HYD |         |               | 1565 | 1568 | 13.3 |     |     |
| 4SR12/25 -N - HYD |         |               | 2003 | 2006 | 16.8 |     |     |
| 4SR12/34 -N - HYD |         |               | 2660 | 2663 | 22.2 |     |     |
| 4SR15/6 -N - HYD  |         |               | 616  | 619  | 5.5  |     |     |
| 4SR15/8 -N - HYD  |         |               | 762  | 765  | 6.7  |     |     |
| 4SR15/12 -N - HYD |         |               | 1054 | 1057 | 9.1  |     |     |
| 4SR15/16 -N - HYD |         |               | 1346 | 1349 | 11.5 |     |     |
| 4SR15/21 -N - HYD | 1711    | 1714          | 14.4 |      |      |     |     |
| 4SR15/29 -N - HYD | 2295    | 2298          | 19.2 |      |      |     |     |