## APLICACIONES / APPLICATIONS / APPLICATIONS

**ES** Bombas sumergibles para pozos de 4’’ de diámetro mínimo y aguas limpias, indicadas para aplicaciones civiles e industriales, riegos, abastecimiento a poblaciones, plantas industriales, etc.

**EN** Submersible pumps for wells of 4” in diameter and clean water, suitable for civil and industrial applications, irrigations, population supply, industrial facilities, etc.

**FR** Pompes submersibles pour puits de 4’’ de diamètre minimum et eaux propres, convenant pour des applications civiles et industrielles, l’irrigation, l’approvisionnement d’eau dans des villes, installations industrielles, etc.

## CARACTERÍSTICAS TÉCNICAS / TECHNICAL CHARACTERISTICS / CARACTÉRISTIQUES TECHNIQUES

| **Tipo** *Type* | **Ø Bomba** *Ø Pump* *Ø Pompe* | **IP** | **Aislamiento** *Isolation* | **rpm** | **Refrigeración** *Cooling - Refroidissement* | | **Temp. max. (ºC)** | **Turbina** *Impeller* *Turbine* | **Contenido arena max.** *Max. sand content* *Quantité de sable max.* | **Arranques max.** *Max. starts* *Démarrages max.* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **FRANKLIN** | **BAÑO ACEITE** | | | | |
| **Sumergible** *Submersible* | 99 mm | 68 | B | 2850 | **Agua bombeada** *Pumped water* *Eau pompée* | **Aceite atóxico y agua bombeada** *Non-toxic oil and pumped water* *Huile atoxique et eau pompée* | 30 | **Flotante** *Floating* *Flottantes* | 100 gr/m$^3$ | 20 / h |

Todos los modelos monofásicos se suministran con condensador. */ All single-phase models are provided with capacitor. / Tous les modèles monophasés sont fournis avec un condensateur.*

Los tipos trifásicos se suministran a una sola tensión 230V ó 400V. */ All three-phase models are provided at only one voltage 230 or 400 V. / Les types triphasés sont fournis à une seule tension: 230V ou 400V.*

Es imprescindible proteger la bomba contra la falta de agua (no puede trabajar en vacio). */ It is necessary to protect the pump against the lack of water. It can not run dry. / Il est essentiel de protéger la pompe contre le manque d’eau (ne peut pas travailler à sec).*

## MATERIALES / MATERIALS / MATÉRIAUX

| | |
|---|---|
| **Acoplamiento cuerpo/motor** - *Coupling body/motor - Accouplement corps/moteur* | **Latón / Acero inoxidable ‘AISI 304’ (S-20)** *Brass - Laiton / ‘AISI 304’ Stainless steel (S-20) - Acier inoxydable ‘AISI 304’ (S-20)* |
| **Cuerpo impulsión -** *Discharge body - Corps d’impulsion* | **Latón / Acero inoxidable ‘AISI 304’ (S-20)** *Brass - Laiton / ‘AISI 304’ Stainless steel (S-20) - Acier inoxydable ‘AISI 304’ (S-20)* |
| **Camisa -** *External cladding - Chemise* **Eje** *- Shaft - Arbre* **Rejilla aspiración -** *Suction filter - Crépine d’aspiration* **Motor** *- Motor - Moteur* | **Acero inoxidable ‘AISI 304’** *- ‘AISI 304’ Stainless steel - Acier inoxydable ‘AISI 304’* |
| **Turbinas** *- Impellers - Turbines* | **Noryl®** |
| **Difusores** *- Diffusers - Diffuseurs* | **Policarbonato con fibra de vidrio** *- Polycarbonate with glass fiber - Polycarbonate avec fibre de verre* |
| **Válvula retención** *- Check valve - Clapet anti-retour* | **Plástico** *- Plastic - Plastique* |

## CURVA / CURVE / COURBE

| **Modelo / *Model* / *Modèle*** | | **$P_2$** | | **Ø Imp** | **Altura manométrica / *Height* / *Hateur* (m)** | **Caudal / *Flow* / *Débit* (l/h)** | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **III 230/400V** | **II 230V** | **kW** | **CV** | | | **1000** | **1500** | **2000** | **2500** | **3000** | **4000** | **5000** | **6000** | **7000** | **8000** | **9000** | **10000** | **12000** | **14000** | **15000** | **17000** | **19000** | **21500** | **24000** |
| **ST-2-11** | **SM-2-11** | 0,55 | **0,75** | 1¼” | | 73 | 69 | 62 | 53 | 40 | | | | | | | | | | | | | | |
| **ST-2-14** | **SM-2-14** | 0,75 | **1** | 1¼” | | 93 | 87 | 78 | 67 | 50 | | | | | | | | | | | | | | |
| **ST-2-19** | **SM-2-19** | 1,1 | **1,5** | 1¼” | | 126 | 119 | 106 | 91 | 68 | | | | | | | | | | | | | | |
| **ST-2-25** | **SM-2-25** | 1,5 | **2** | 1¼” | | 166 | 156 | 140 | 120 | 90 | | | | | | | | | | | | | | |
| **ST-2-35** | **SM-2-35** | 2,2 | **3** | 1¼” | | 232 | 218 | 196 | 168 | 126 | | | | | | | | | | | | | | |
| **ST-4-8** | **SM-4-8** | 0,55 | **0,75** | 1½” | | 52 | 51 | 50 | 48 | 45 | 40 | 34 | 25 | 17 | | | | | | | | | | |
| **ST-4-10** | **SM-4-10** | 0,75 | **1** | 1½” | | 65 | 63 | 61 | 59 | 56 | 51 | 43 | 33 | 20 | | | | | | | | | | |
| **ST-4-14** | **SM-4-14** | 1,1 | **1,5** | 1½” | | 92 | 88 | 84 | 81 | 78 | 71 | 60 | 45 | 28 | | | | | | | | | | |
| **ST-4-19** | **SM-4-19** | 1,5 | **2** | 1½” | | 126 | 123 | 120 | 115 | 110 | 99 | 84 | 66 | 43 | | | | | | | | | | |
| **ST-4-26** | **SM-4-26** | 2,2 | **3** | 1½” | | 170 | 165 | 160 | 154 | 147 | 132 | 111 | 85 | 53 | | | | | | | | | | |
| **ST-4-34** | | 3 | **4** | 1½” | | 224 | 217 | 210 | 202 | 193 | 173 | 147 | 114 | 73 | | | | | | | | | | |
| **ST-4-44** | | 4 | **5,5** | 1½” | | 297 | 289 | 281 | 272 | 262 | 239 | 205 | 163 | 110 | | | | | | | | | | |
| **ST-8-7** | **SM-8-7** | 0,75 | **1** | 2” | | | | 37 | 37 | 36 | 36 | 35 | 33 | 31 | 28 | 26 | 22 | 13 | | | | | | |
| **ST-8-9** | **SM-8-9** | 1,1 | **1,5** | 2” | | | | 48 | 47 | 47 | 46 | 44 | 42 | 39 | 36 | 34 | 28 | 17 | | | | | | |
| **ST-8-11** | **SM-8-11** | 1,5 | **2** | 2” | | | | 58 | 57 | 57 | 56 | 54 | 52 | 48 | 44 | 41 | 35 | 21 | | | | | | |
| **ST-8-16** | **SM-8-16** | 2,2 | **3** | 2” | | | | 84 | 83 | 83 | 82 | 79 | 76 | 70 | 64 | 60 | 50 | 31 | | | | | | |
| **ST-8-20** | | 3 | **4** | 2” | | | | 106 | 105 | 104 | 102 | 98 | 94 | 87 | 80 | 75 | 63 | 38 | | | | | | |
| **ST-8-24** | | 4 | **5,5** | 2” | | | | 127 | 126 | 125 | 123 | 117 | 113 | 105 | 96 | 90 | 76 | 46 | | | | | | |
| **ST-8-32** | | 5,5 | **7,5** | 2” | | | | 169 | 167 | 166 | 164 | 158 | 151 | 140 | 128 | 120 | 101 | 61 | | | | | | |
| **ST-12-8** | **SM-12-8** | 1,5 | **2** | 2” | | | | | | | | 49 | 48 | 47 | 45 | 42 | 39 | 30 | 17 | 9 | | | | |
| **ST-12-11** | **SM-12-11** | 2,2 | **3** | 2” | | | | | | | | 68 | 67 | 65 | 62 | 57 | 54 | 41 | 24 | 13 | | | | |
| **ST-12-14** | | 3 | **4** | 2” | | | | | | | | 86 | 85 | 82 | 79 | 74 | 68 | 52 | 30 | 17 | | | | |
| **ST-12-17** | | 4 | **5,5** | 2” | | | | | | | | 105 | 103 | 100 | 96 | 90 | 83 | 63 | 36 | 20 | | | | |
| **ST-12-22** | | 5,5 | **7,5** | 2” | | | | | | | | 136 | 133 | 129 | 124 | 116 | 107 | 81 | 47 | 26 | | | | |
| **ST-20-8** | **SM-20-8** | 2,2 | **3** | 2” | | | | | | | | | | | | 40 | 38 | 34 | 31 | 29 | 24 | 20 | 15 | 12 |
| **ST-20-11** | | 3 | **4** | 2” | | | | | | | | | | | | 56 | 53 | 48 | 44 | 41 | 36 | 30 | 24 | 17 |
| **ST-20-15** | | 4 | **5,5** | 2” | | | | | | | | | | | | 77 | 74 | 68 | 62 | 58 | 53 | 45 | 36 | 26 |
| **ST-20-20** | | 5,5 | **7,5** | 2” | | | | | | | | | | | | 100 | 96 | 88 | 80 | 76 | 69 | 59 | 47 | 36 |

## ACCESORIOS / ACCESSORIES / ACCESSOIRES

CUADROS
(Pg. 82-83)

PRESOSTATO DIGITAL
(Pg. 61)

CAMISA REFRIG.
(Pg. 60)

ÁNODO SACRIFICIO PARA
MOTOR FRANKLIN