# HCP PUMP

| | |
|---|---|
| **Series** | **SA** |
| **Modelo** | **50SA2.8A** |
| **Frecuencia** | **50** |
| **Fase / Voltaje** | **1 Ø / 220 V** |
| **Corriente Nominal** | **5.4 A** |
| **Descarga** | **50 mm (2")** |




## Datos del Motor

| | |
|---|---|
| Potencia de Entrada - P1 | 1.08 kW |
| Potencia Nominal - P2 | 0.75 kW |
| Clase de Aislamiento | B |
| Cantidad Máxima de Arranques por Hora | 10 |
| Velocidad de Rotación Estándar | 2800 |
| Método de Arranque | CAPACITOR |
| Índice de Protección IP | IP68 |
| A Prueba de Explosiones | NO |

## Tecnología

| | |
|---|---|
| Tipo de Impulsor | Vortex |
| Sello Mecánico | Double |
| Aceite Lubricante VG32 | 340 CC |
| Paso Sólido | 10 mm (⅜") |
| Tipo de Refrigeración | External cooling |

## Material

| | |
|---|---|
| Bastidor del Motor | SUS316 (AISI 316) |
| Eje | SUS316 (X5CrNiMo17-12-2) |
| Carcasa | SCS14 (G-X6CrNiMo1810) |
| Impulsor | SCS14 (G-X6CrNiMo1810) |
| Sello Mecánico | CA/CE&SiC/SiC |
| Cable | VCT,H07RN-F |
| Rodamientos Superior e Inferior | 6202ZZ,6303ZZ |

## Fluido

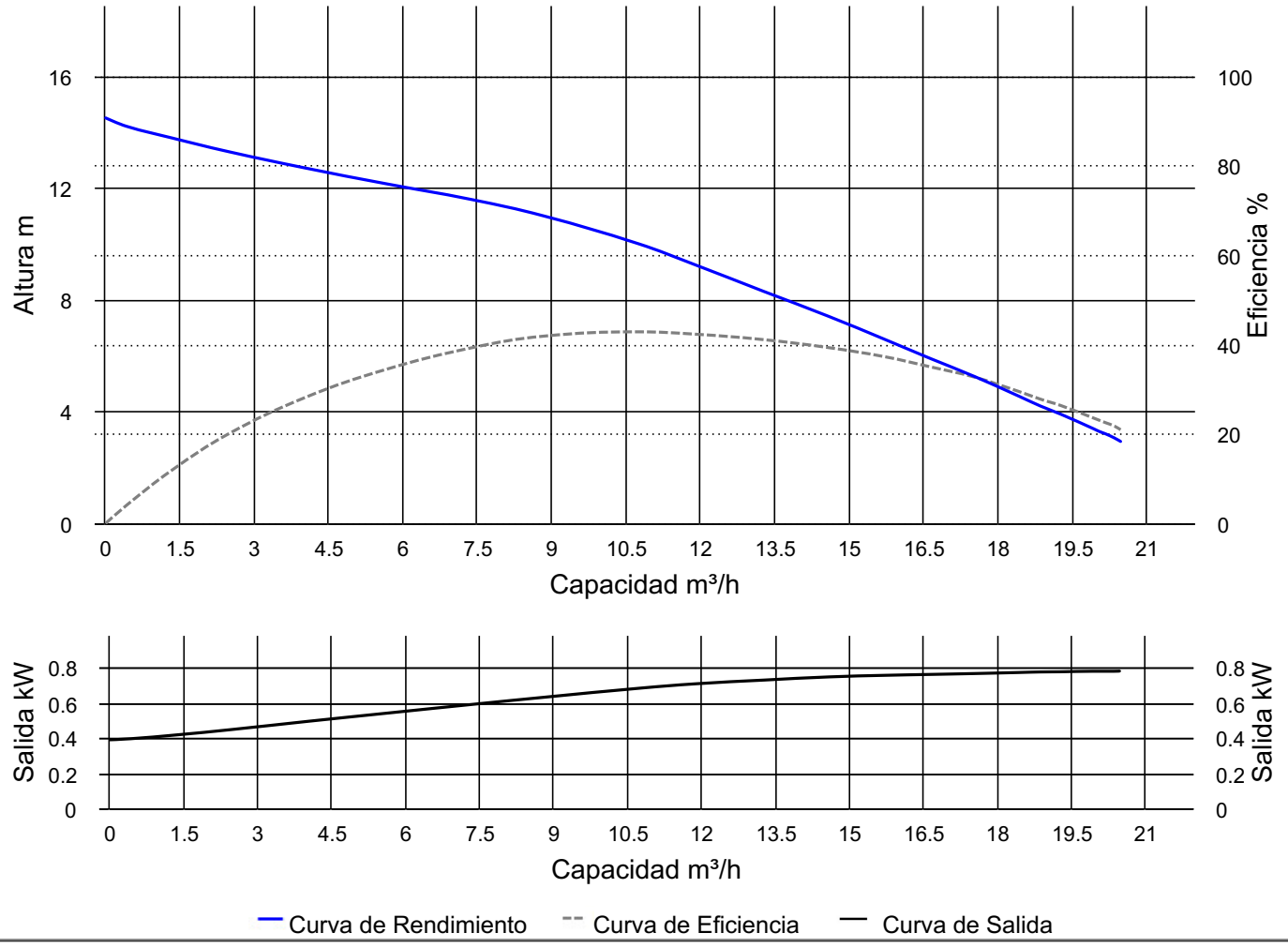
| | |
|---|---|
| Temperatura Ambiente Máxima | 0~40°C (32~104°F) |
| Profundidad Máxima de Instalación | 10m (33ft) |
| Temperatura Máxima del Fluido | 40 °C (104°F) |
| Fluido Bombeado | Acid and alkali sewage |

## Otros (Opcional)

| | |
|---|---|
| Dispositivo de Protección | Auto-cut Protector |
| Sensor de Humedad | (MS-A) |

# HCP PUMP

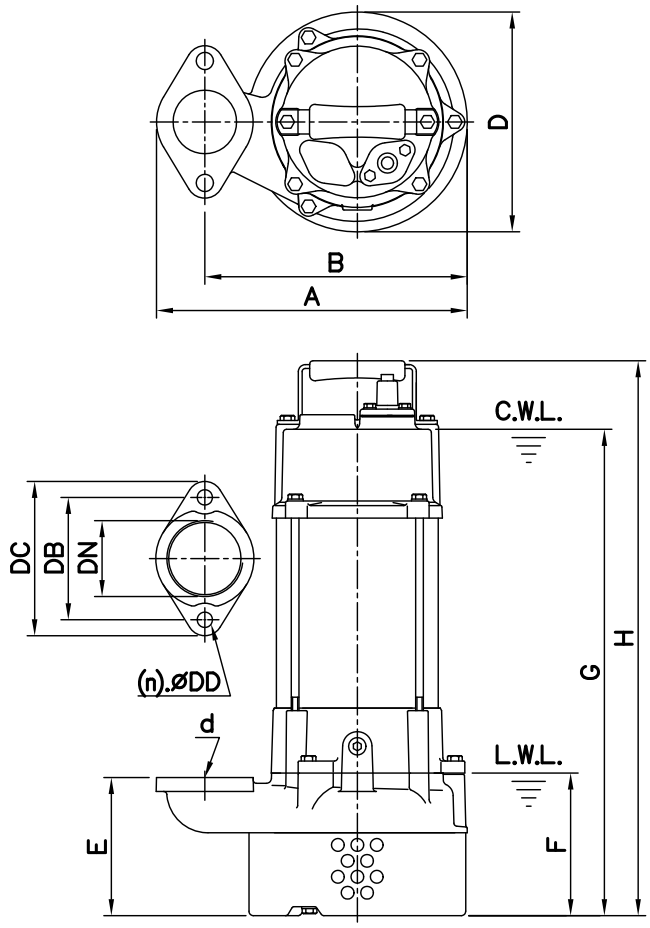
| PUMP PERFORMANCE CURVES | | | |
|---|---|---|---|
| **Modelo** | 50SA2.8A | **N.º de archivo** | 20261024033637 |
| **Frecuencia** | 50 Hz | **N.º de versión** | 202003060911 |
| **Descarga** | 2" / 50 mm | **REFERENCE SPECIFICATION** | |
| **Potencia** | 1 HP / 0.75 kW | **Salida** | 0.67 kW |
| **Altura Estándar** | 10 m | **Eficiencia** | 42.6 % |
| **Capacidad Estándar** | 10.2 m³/h | | |
| **Fase / Voltaje** | 1 Ø / 220 V | | |
| **Corriente Nominal** | 5.4 A | | |
| **Polo / rpm** | 2 P / 2800 rpm | | |
| **Método de Arranque** | CAPACITOR | | |
| **Clase de Aislamiento** | B | | |




**HCP PUMP MANUFACTURER CO., LTD.**

## DIMENSIONS NO: S2SA0208A32-11

## MODEL: 50SA2.4A / 2.8A 1Ø / 3Ø




Flange

| Female Thread | |
|---|---|
| PF | NPT |

Dimensions-mm Weight:kg

| Model | d | A | B | D | E | F | G | H | WT1 | Elbow (Flange)Set | DN | DB | DC | DD | (n)QTY | WT2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50SA2.4A 1ø | 50 | 244 | 206 | 172 | 108 | 112 | 382 | 435 | 14 | ESF2-96K | 50 | 96 | 121 | 12 | 2 | 1 |
| 50SA2.4A 3ø | 50 | 244 | 206 | 172 | 108 | 112 | 382 | 435 | 14 | ESF2-96K | 50 | 96 | 121 | 12 | 2 | 1 |
| 50SA2.8A 1ø | 50 | 244 | 206 | 172 | 108 | 112 | 382 | 435 | 16 | ESF2-96K | 50 | 96 | 121 | 12 | 2 | 1 |
| 50SA2.8A 3ø | 50 | 244 | 206 | 172 | 108 | 112 | 382 | 435 | 15 | ESF2-96K | 50 | 96 | 121 | 12 | 2 | 1 |

Dimensions-inch Weight:lb

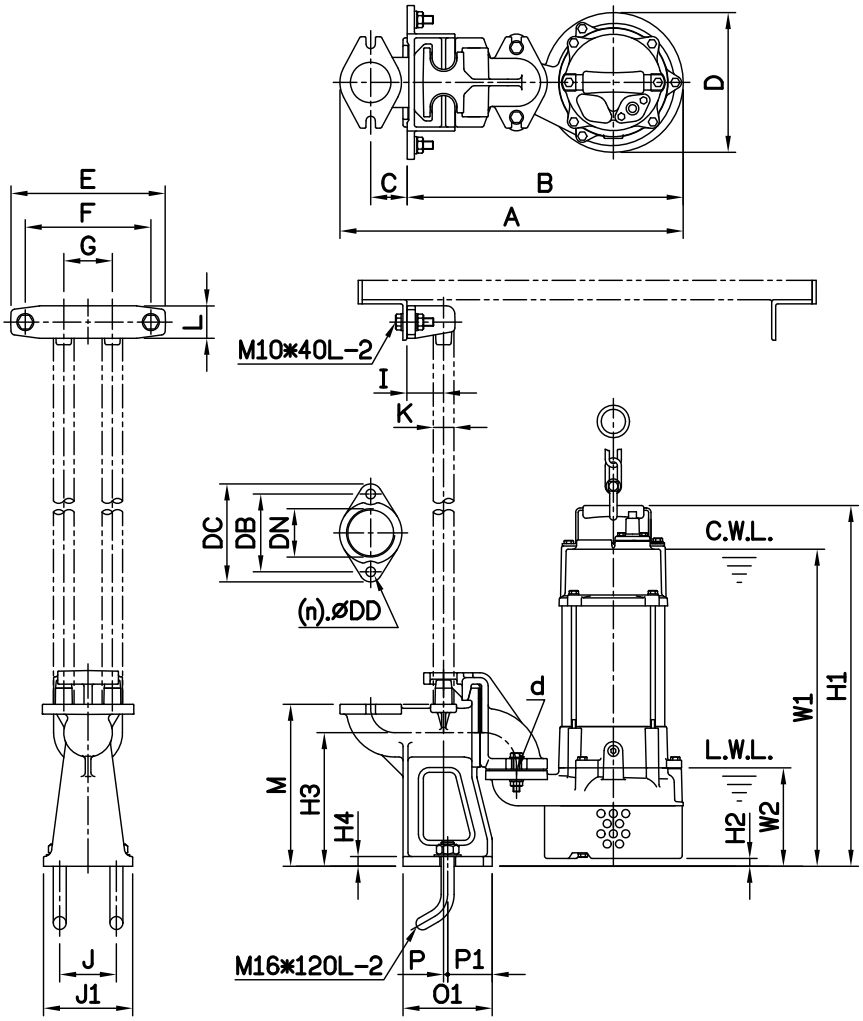
| Model | d | A | B | D | E | F | G | H | WT1 | Elbow (Flange)Set | DN | DB | DC | DD | (n)QTY | WT2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50SA2.4A 1ø | 2 | 9⅝ | 8⅛ | 6¾ | 4¼ | 4 7/16 | 15 1/16 | 17⅛ | 31 | ESF2-96K | 2 | 3¾ | 4¾ | ½ | 2 | 1 |
| 50SA2.4A 3ø | 2 | 9⅝ | 8⅛ | 6¾ | 4¼ | 4 7/16 | 15 1/16 | 17⅛ | 31 | ESF2-96K | 2 | 3¾ | 4¾ | ½ | 2 | 1 |
| 50SA2.8A 1ø | 2 | 9⅝ | 8⅛ | 6¾ | 4¼ | 4 7/16 | 15 1/16 | 17⅛ | 35 | ESF2-96K | 2 | 3¾ | 4¾ | ½ | 2 | 1 |
| 50SA2.8A 3ø | 2 | 9⅝ | 8⅛ | 6¾ | 4¼ | 4 7/16 | 15 1/16 | 17⅛ | 33 | ESF2-96K | 2 | 3¾ | 4¾ | ½ | 2 | 1 |

C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)
WT2:Elbow Set Weight

## DIMENSIONS NO: T2SA0208A32-11

## MODEL: 50SA2.4A / 2.8A 1Ø / 3Ø




Flange

| Female Thread | |
|---|---|
| PF | NPT |

Dimensions-mm

| Elbow (Flange)Set | DN | DB | DC | DD | (n)QTY |
|---|---|---|---|---|---|
| ESF2-96 | 50 | 96 | 121 | 12 | 2 |

Dimensions-inch

| Elbow (Flange)Set | DN | DB | DC | DD | (n)QTY |
|---|---|---|---|---|---|
| ESF2-96 | 2 | 3¾ | 4¾ | ½ | 2 |

Dimensions-mm Weight:kg

| Model | d | A | B | C | D | E | F | G | I | J | J1 | K | L | M | O1 | P | P1 | W1 | W2 | H1 | H2 | H3 | H4 | WT1 | GRS Set | WT2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50SA2.4A 1Ø | 50 | 424 | 341 | 45 | 172 | 190 | 155 | 60 | 45 | 70 | 110 | ¾" | 40 | 200 | 110 | 5 | 55 | 392 | 121 | 445 | 10 | 165 | 12 | 14 | ST2-50 | 9 |
| 50SA2.8A 1Ø | 50 | 424 | 341 | 45 | 172 | 190 | 155 | 60 | 45 | 70 | 110 | ¾" | 40 | 200 | 110 | 5 | 55 | 392 | 121 | 445 | 10 | 165 | 12 | 16 | ST2-50 | 9 |
| 50SA2.4A 3Ø | 50 | 424 | 341 | 45 | 172 | 190 | 155 | 60 | 45 | 70 | 110 | ¾" | 40 | 200 | 110 | 5 | 55 | 392 | 121 | 445 | 10 | 165 | 12 | 14 | ST2-50 | 9 |
| 50SA2.8A 3Ø | 50 | 424 | 341 | 45 | 172 | 190 | 155 | 60 | 45 | 70 | 110 | ¾" | 40 | 200 | 110 | 5 | 55 | 392 | 121 | 445 | 10 | 165 | 12 | 15 | ST2-50 | 9 |

Dimensions-inch Weight:lb

| Model | d | A | B | C | D | E | F | G | I | J | J1 | K | L | M | O1 | P | P1 | W1 | W2 | H1 | H2 | H3 | H4 | WT1 | GRS Set | WT2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50SA2.4A 1Ø | 2 | 16 11/16 | 13 7/16 | 1¾ | 6¾ | 7½ | 6⅛ | 2⅜ | 1¾ | 2¾ | 4 5/16 | ¾ | 1 9/16 | 7 15/16 | 4 5/16 | 3/16 | 2 3/16 | 15 7/16 | 4¾ | 17½ | ⅜ | 6½ | ½ | 31 | ST2-50 | 20 |
| 50SA2.8A 1Ø | 2 | 16 11/16 | 13 7/16 | 1¾ | 6¾ | 7½ | 6⅛ | 2⅜ | 1¾ | 2¾ | 4 5/16 | ¾ | 1 9/16 | 7 15/16 | 4 5/16 | 3/16 | 2 3/16 | 15 7/16 | 4¾ | 17½ | ⅜ | 6½ | ½ | 35 | ST2-50 | 20 |
| 50SA2.4A 3Ø | 2 | 16 11/16 | 13 7/16 | 1¾ | 6¾ | 7½ | 6⅛ | 2⅜ | 1¾ | 2¾ | 4 5/16 | ¾ | 1 9/16 | 7 15/16 | 4 5/16 | 3/16 | 2 3/16 | 15 7/16 | 4¾ | 17½ | ⅜ | 6½ | ½ | 31 | ST2-50 | 20 |
| 50SA2.8A 3Ø | 2 | 16 11/16 | 13 7/16 | 1¾ | 6¾ | 7½ | 6⅛ | 2⅜ | 1¾ | 2¾ | 4 5/16 | ¾ | 1 9/16 | 7 15/16 | 4 5/16 | 3/16 | 2 3/16 | 15 7/16 | 4¾ | 17½ | ⅜ | 6½ | ½ | 33 | ST2-50 | 20 |

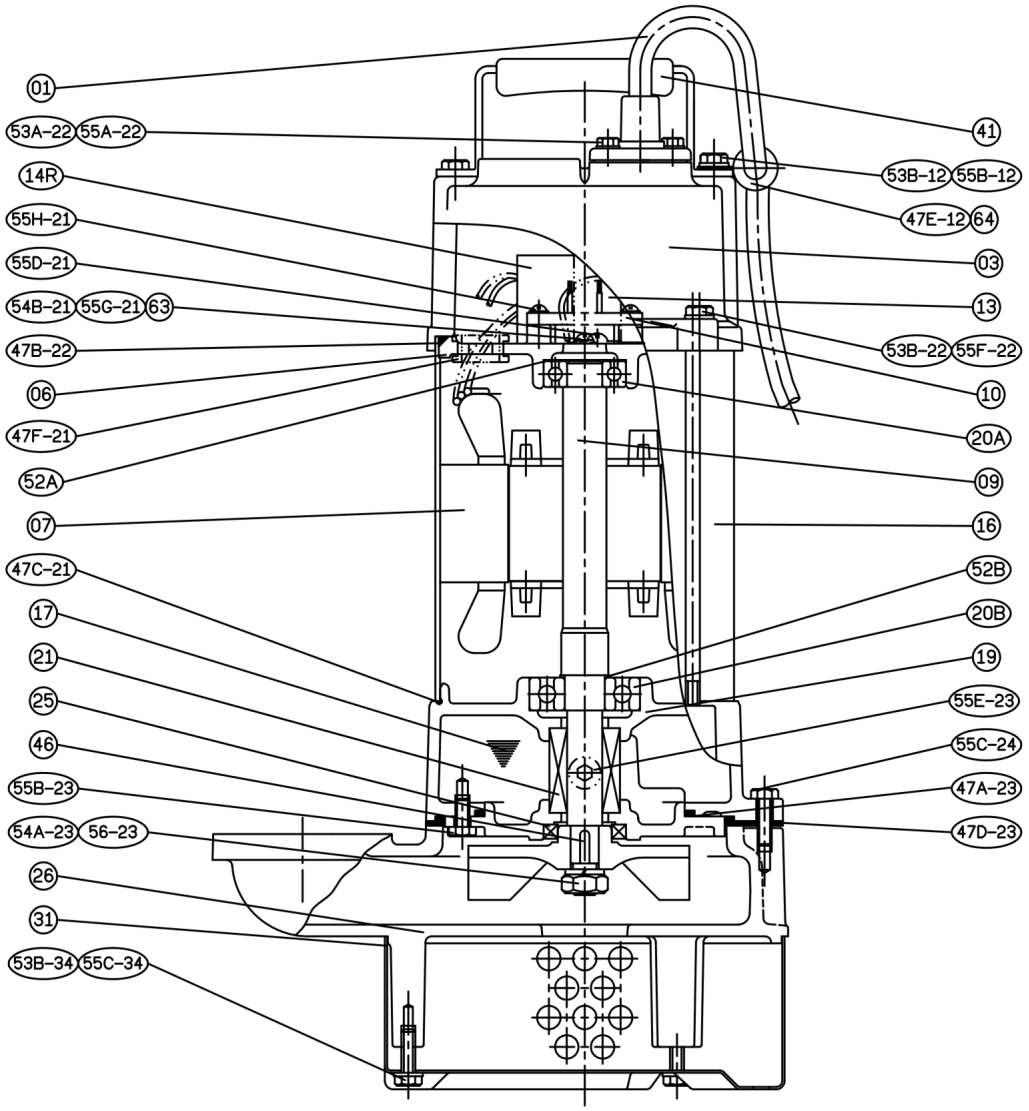
C.W.L.:Continuous Running Water Level
L.W.L.:Lowest Running Water Level

WT1:Pump Weight(Without Cable)
WT2:GRS Set Weight

## SECTIONAL VIEWS NO: 02SA0208A10-1

## MODEL: 50SA2.8A 1Ø

C:V




C:V stands for Vertical Casing

| Número | Nombre de la pieza | Material | Cantidad |
|---|---|---|---|
| 01 | Cable | | 1 |
| 03 | Cubierta Superior | SCS14 | 1 |
| 06 | Soporte | FC200 | 1 |
| 07 | Estator | | 1 |
| 09 | Extremo del Eje | SUS316 | 1 |
| 10 | Protector Auto-corte | | 1 |
| 14R | Capacitor de Marcha | | 1 |
| 16 | Bastidor del Motor | SUS316 | 1 |
| 17 | Lubricante | | |
| 19 | Soporte del Rodamiento | SCS14 | 1 |
| 20A | Rodamiento | | 1 |
| 20B | Rodamiento | | 1 |
| 21 | Sello Mecánico | CA/CE & SiC/SiC | 1 |
| 23 | Soporte Sello Mecánico | SCS14 | 1 |

| Número | Nombre de la pieza | Material | Cantidad |
|---|---|---|---|
| 25 | Sello de Aceite | VITON | 1 |
| 26 | Carcasa | SCS14 | 1 |
| 27 | Impulsor | SCS14 | 1 |
| 31 | Colador | SUS304 | 1 |
| 41 | Asa | SUS304 | 1 |
| 46 | Llave del Impulsor | SUS304 | 1 |
| 47 | Kit de Empaques | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |