# HCP PUMP

| | |
|---|---|
| **Series** | **HD** |
| **Modelo** | **50HD21.5** |
| **Frecuencia** | **50** |
| **Fase / Voltaje** | **3 Ø / 380 V** |
| **Corriente Nominal** | **3.6 A** |
| **Descarga** | **50 mm (2")** |




## Datos del Motor

| | |
|---|---|
| Potencia de Entrada - P1 | 2 kW |
| Potencia Nominal - P2 | 1.5 kW |
| Clase de Aislamiento | F |
| Cantidad Máxima de Arranques por Hora | 10 |
| Velocidad de Rotación Estándar | 2800 |
| Método de Arranque | DOL |
| Índice de Protección IP | IP68 |
| A Prueba de Explosiones | NO |

## Tecnología

| | |
|---|---|
| Tipo de Impulsor | Open |
| Sello Mecánico | Double |
| Aceite Lubricante VG32 | 500 CC |
| Paso Sólido | 10 mm (⅜") |
| Tipo de Refrigeración | Self-cooling |

## Material

| | |
|---|---|
| Bastidor del Motor | FC200 (GG-20) |
| Eje | SUS403 ( (X5Cr13) |
| Carcasa | FC200 (GG-20) |
| Impulsor | HiCrFC |
| Sello Mecánico | CA/CE&SiC/SiC |
| Cable | VCT,H07RN-F |
| Rodamientos Superior e Inferior | 6204ZZ,6305ZZ |

## Fluido

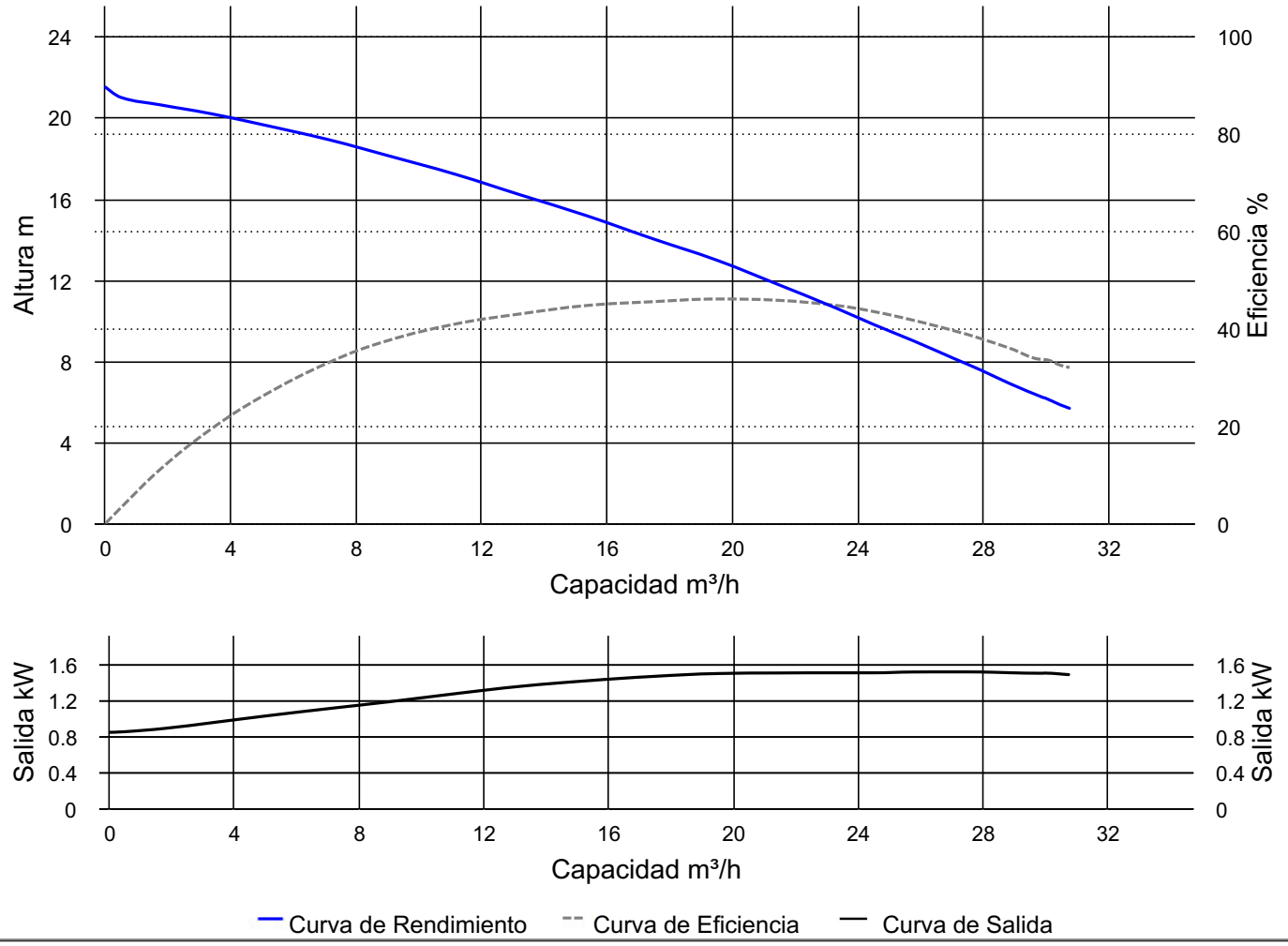
| | |
|---|---|
| Temperatura Ambiente Máxima | 0~40°C (32~104°F) |
| Profundidad Máxima de Instalación | 20m (66ft) |
| Temperatura Máxima del Fluido | 40 °C (104°F) |
| Fluido Bombeado | Construction drainage |

## Otros (Opcional)

| | |
|---|---|
| Dispositivo de Protección | Auto-cut Protector |
| Sensor de Humedad | |

# HCP PUMP

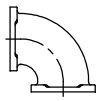
| PUMP PERFORMANCE CURVES | | | |
|---|---|---|---|
| **Modelo** | 50HD21.5 | **N.º de archivo** | 20261027021852 |
| **Frecuencia** | 50 Hz | **N.º de versión** | 202003060911 |
| **Descarga** | 2" / 50 mm | **REFERENCE SPECIFICATION** | |
| **Potencia** | 2 HP / 1.5 kW | **Salida** | 1.41 kW |
| **Altura Estándar** | 15 m | **Eficiencia** | 44.6 % |
| **Capacidad Estándar** | 15 m³/h | | |
| **Fase / Voltaje** | 3 Ø / 380 V | | |
| **Corriente Nominal** | 3.6 A | | |
| **Polo / rpm** | 2 P / 2800 rpm | | |
| **Método de Arranque** | DOL | | |
| **Clase de Aislamiento** | F | | |

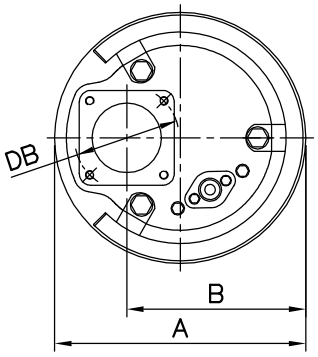



**HCP PUMP MANUFACTURER CO., LTD.**

## DIMENSIONS NO: S4HD0237030-00

## MODEL: 50HD21.5 / 22.2 & 80HD21.5 / 22.2 / 23.7 & 100HD23.7 50Hz 1Ø / 3Ø

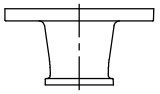


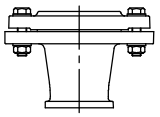



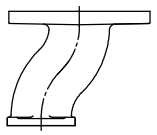


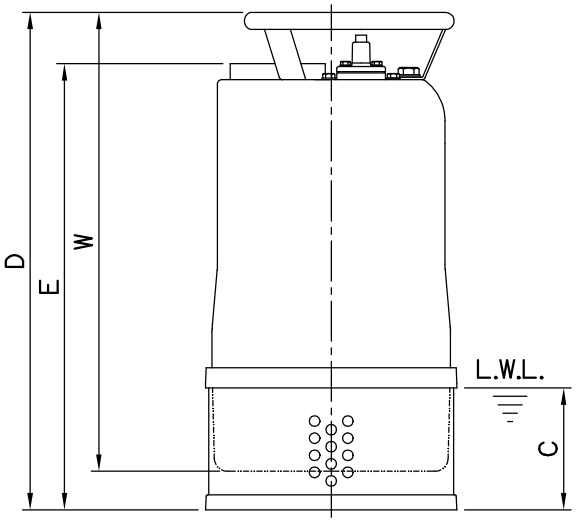





Outlet and flange detail information can be found on Accessories section.

Dimensions–mm Weight:kg

| Model | A | B | C | D | E | W | DB | WT1 | Optional Outlet Accessories | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | LOH | LOT | LOF | LKF | LOC | LEB |
| 50HD21.5 1ø | 235 | 168 | 114 | 511 | 463 | 475 | 98 | 40 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD21.5 3ø | 235 | 168 | 114 | 466 | 418 | 430 | 98 | 36 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD22.2 1ø | 235 | 168 | 114 | 541 | 463 | 475 | 98 | 44 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD22.2 3ø | 235 | 168 | 114 | 466 | 418 | 430 | 98 | 39 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 80HD21.5 1ø | 235 | 168 | 114 | 511 | 463 | 475 | 98 | 40 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD21.5 3ø | 235 | 168 | 114 | 466 | 418 | 430 | 98 | 36 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD22.2 1ø | 235 | 168 | 114 | 541 | 463 | 475 | 98 | 45 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD22.2 3ø | 235 | 168 | 114 | 466 | 418 | 430 | 98 | 39 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD23.7 3ø | 235 | 168 | 114 | 496 | 418 | 460 | 98 | 44 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 100HD23.7 3ø | 235 | 168 | 129 | 511 | 463 | 468 | 98 | 44 | LOH4-98 | LOT4-98 | LOF4-175-190*98 | LKF4-175*98 | – | LEBX-98 |

Dimensions–inch Weight:lb

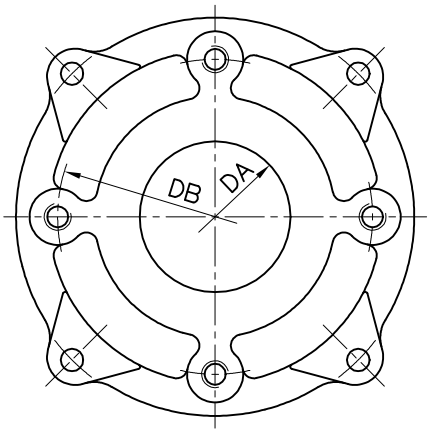
| Model | A | B | C | D | E | W | DB | WT1 | Optional Outlet Accessories | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | LOH | LOT | LOF | LKF | LOC | LEB |
| 50HD21.5 1ø | 9¼ | 6⅝ | 4½ | 20⅛ | 18¼ | 18 11/16 | 3⅞ | 88 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD21.5 3ø | 9¼ | 6⅝ | 4½ | 18⅜ | 16 7/16 | 16 15/16 | 3⅞ | 79 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD22.2 1ø | 9¼ | 6⅝ | 4½ | 21 5/16 | 18¼ | 18 11/16 | 3⅞ | 97 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 50HD22.2 3ø | 9¼ | 6⅝ | 4½ | 18⅜ | 16 7/16 | 16 15/16 | 3⅞ | 86 | LOH2-98 | LOT2-98 | LOF2-120-125*98 | LKF2-120*98 | – | LEBX-98 |
| 80HD21.5 1ø | 9¼ | 6⅝ | 4½ | 20⅛ | 18¼ | 18 11/16 | 3⅞ | 88 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD21.5 3ø | 9¼ | 6⅝ | 4½ | 18⅜ | 16 7/16 | 16 15/16 | 3⅞ | 79 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD22.2 1ø | 9¼ | 6⅝ | 4½ | 21 5/16 | 18¼ | 18 11/16 | 3⅞ | 99 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD22.2 3ø | 9¼ | 6⅝ | 4½ | 18⅜ | 16 7/16 | 16 15/16 | 3⅞ | 86 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 80HD23.7 3ø | 9¼ | 6⅝ | 4½ | 19½ | 16 7/16 | 18⅛ | 3⅞ | 97 | LOH3-98 | LOT3-98 | LOF3-150-160*98 | LKF3-150*98 | LOC3-150*98 | LEBX-98 |
| 100HD23.7 3ø | 9¼ | 6⅝ | 5 1/16 | 20⅛ | 18¼ | 18 1/16 | 3⅞ | 97 | LOH4-98 | LOT4-98 | LOF4-175-190*98 | LKF4-175*98 | – | LEBX-98 |

L.W.L.:Lowest Running Water Level

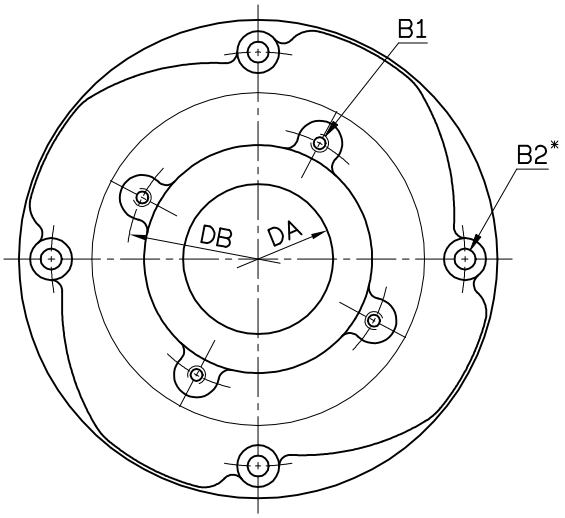
WT1:Pump Weight(Without Cable)
W is the dimension from handle to cover.

## DIMENSIONS NO: SOHD0000005-00

## MODEL: Casing & Casing cover For ADTC Type 50Hz




| Application Model | Dimensions-mm | | Dimensions-inch | | Drilling | Suggested Bolts | (n)QTY |
|---|---|---|---|---|---|---|---|
| | DA | DB | DA | DB | | | |
| 100HD25.5 ADTC | 87 | 150 | $3\frac{7}{16}$ | 6 | M12 | M12*25 | 4 |
| 100HD27.5 ADTC | 87 | 150 | $3\frac{7}{16}$ | 6 | M12 | M12*25 | 4 |
| 150HD25.5 ADTC | 97 | 175 | $3\frac{13}{16}$ | 7 | M12 | M12*25 | 4 |
| 150HD27.5 ADTC | 97 | 175 | $3\frac{13}{16}$ | 7 | M12 | M12*25 | 4 |



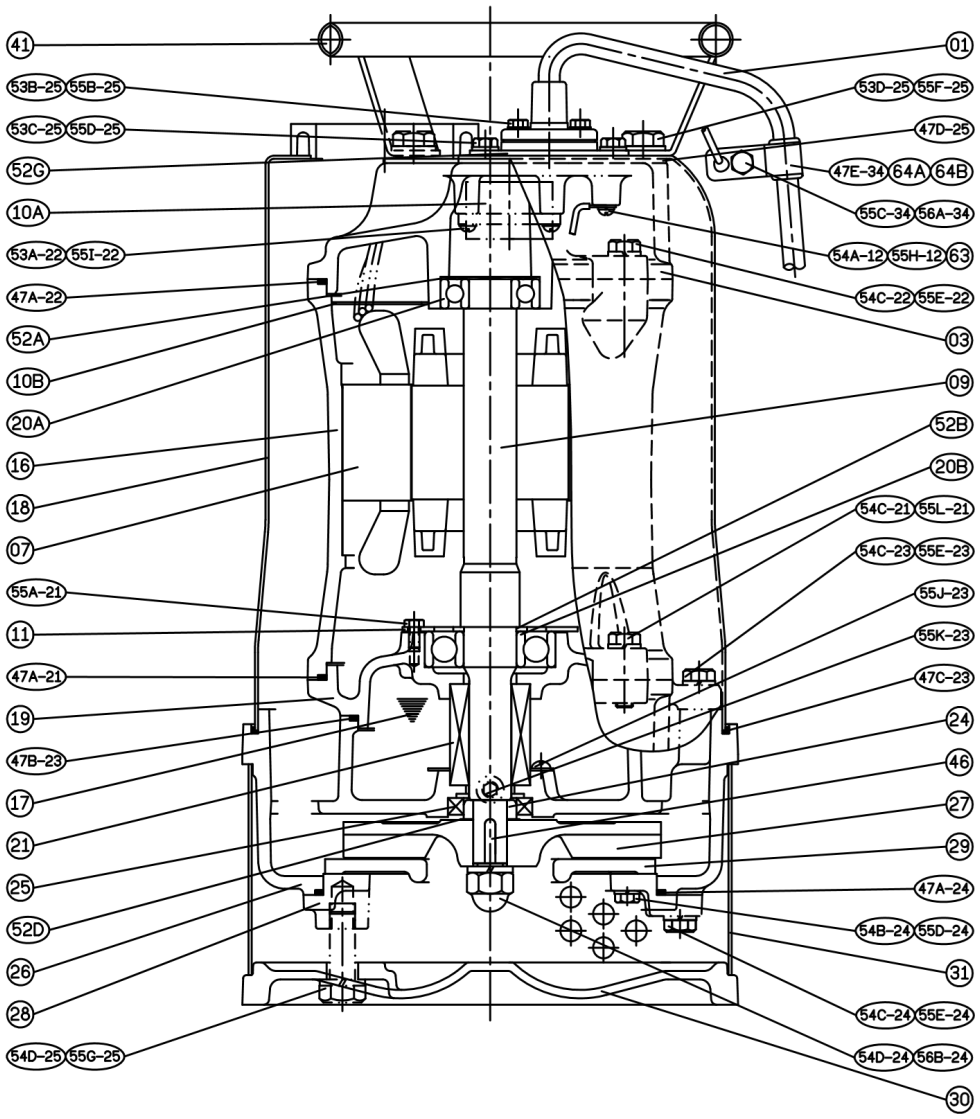

| Application Model | Dimensions-mm | | Dimensions-inch | | Drilling | Suggested Bolts | | (n)QTY | |
|---|---|---|---|---|---|---|---|---|---|
| | DA | DB | DA | DB | | B1 | B2* | B1 | B2* |
| 100HD211 ADTC | 100 | 175 | 4 | 7 | M12 | M12*30 | M12*60 | 4 | 4 |
| 100HD215 ADTC | 100 | 175 | 4 | 7 | M12 | M12*30 | M12*60 | 4 | 4 |
| 150HD211 ADTC | 100 | 175 | 4 | 7 | M12 | M12*30 | M12*60 | 4 | 4 |
| 150HD215 ADTC | 100 | 175 | 4 | 7 | M12 | M12*30 | M12*60 | 4 | 4 |

*Bolts($B_2$) has been attaching and locked.

Optional Casing (15HP~20HP) Casing Cover (7.5HP~10HP)

## SECTIONAL VIEWS NO: 02HD0222030-0

## MODEL: 50HD21.5 / 22.2 3Ø




| Número | Nombre de la pieza | Material | Cantidad |
|---|---|---|---|
| 01 | Cable | | 1 |
| 03 | Cubierta Superior | FC200 | 1 |
| 07 | Estator | | 1 |
| 09 | Extremo del Eje | SUS403 | 1 |
| 10A | Protector Auto-corte | | 1 |
| 10B | Placa Protectora | | 1 |
| 11 | Fijador de Rodamiento | SPCC | 1 |
| 16 | Bastidor del Motor | FC200 | 1 |
| 17 | Lubricante | | |
| 18 | Cubierta Exterior | SUS304 | 1 |
| 19 | Soporte del Rodamiento | FC200 | 1 |
| 20A | Rodamiento | | 1 |
| 20B | Rodamiento | | 1 |
| 21 | Sello Mecánico | CA/CE & SiC/SiC | 1 |

| Número | Nombre de la pieza | Material | Cantidad |
|---|---|---|---|
| 24 | Casquillo del Sello de Aceite | SUS403 | 1 |
| 25 | Sello de Aceite | SUS304+NBR | 1 |
| 26 | Carcasa | FC200 | 1 |
| 27 | Impulsor | HiCrFC | 1 |
| 28 | Cubierta Carcasa | FC200 | 1 |
| 29 | Placa de Desgaste | HiCrFC | 1 |
| 30 | Base | FC200 | 1 |
| 31 | Colador | SUS304 | 1 |
| 41 | Asa | SUS304 | 1 |
| 46 | Llave del Impulsor | SUS304 | 1 |
| 47 | Kit de Empaques | | |
| | | | |
| | | | |