Nickel Aluminum Bronze Pumps
For Saltwater Applications

For more information contact:
Haight Pumps 133 Enterprise Street • Evansville, WI 53536 Phone: 800-871-9250 • Fax: 608-882-3777
Website: haightpump.com
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Haight is pleased to be offering nickel aluminum bronze centrifugal pumps that are ideally suited for saltwater, as well as brackish water, waste water, and plolution control applications. The wetted end parts of these pumps are constructed of ASTM-B-148 C958, commonly referred to as CDA958. The overall corrosion/erosion resistance of this alloy to saltwater is superior to stainless steel - AND COSTS LESS!

All of the nickel aluminum bronze pumps that Haight offers, HK and HZ Series, have ABS (American Bureau of Shipping) type approval.

In addition to exceptional corrosion resistance, nickel aluminum bronze offers these features:
* Resists erosive wear due to the high velocities developed by the rotating impeller
* Resists the immense stress incurred during a cavitating condition
* Resists fouling which can reduce efficiency and promote a more severe crevice corrosion attack
* Even in a “down” state, CDA958 provides better protection against saltwater pitting that is very prevalent in stainless steel pumps

The United States Navy has been using CDA958 (MIL24480) for more than forty years. Commercial salt-water applications include booster pumps and supply pumps on water treatment systems (including reverse osmosis, distillation, and desalinization). In addition, these pumps have multiple uses onboard vessels, such as bilge, ballast, engine cooling, condenser cooling, refrigeration, washdown, salt water supply, circulation, and fire pumps.

The non-compromising design of Haight pumps results in higher efficiencies, longer life, and lower energy and maintenance costs. Each series of pumps is available in either close-coupled or frame mounted versions. The “Z” series offers multiple sealing options to meet the most demanding applications.

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Dimensions are approximate, for reference only.

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<th>PUMP</th>
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<tr>
<td>TYPE</td>
<td>SIZE</td>
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<tr>
<td>KC2</td>
<td>1 X ¾</td>
<td>56J</td>
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<tr>
<td>KC2</td>
<td>1¼ X 1</td>
<td>56J</td>
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<tr>
<td>KC2</td>
<td>1½ X 1</td>
<td>56J</td>
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<tr>
<td>KC2</td>
<td>1¾ X 1¼</td>
<td>213JM</td>
</tr>
<tr>
<td>KC2</td>
<td>2 X 1½</td>
<td>213JM</td>
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*The Horsepower listed is typically for a full diameter impeller. Other 56J Frame Motors include 1/2 and 3/4 HP.

**CHARACTERISTICS INCLUDE:**
- Allowable Working Pressure — up to 150 psi
- Temperatures to 225°F
- Multiple Sealing Options
- Enclosed Impellers
- Close coupled to Nema Standard
  Jet Pump Motor, Std. MG1-18.340
Dimensions are approximate, for reference only.

**PUMP** | **MOTOR-TEFC** | **DIMENSIONS IN INCHES**
--- | --- | ---
ZC2 | 1\% X 1\% | 143JM 1 1750
ZC2 | 1\% X 1\% | 213JM 7 3500
ZC2 | 1\% X 1\% | 187JM 3 1750
ZCH2 | 1\% X 1\% | 256JM 20 3500
ZC2 | 2 X 1\% | 213JM 7 3500
ZC2 | 2 X 2\% | 215JM 10 3500
ZC2 | 3 X 2\% | 215JM 10 3500
ZCH2 | 3 X 2\% | 256JM 20 3500
ZC2 | 4 X 3 | 213JM 10 3500
ZC2 | 4 X 3 | 256JM 20 3500
ZCH2 | 4 X 3 | 256JM 20 3500
ZC2 | 6 X 6 | 256JM 20 3500
ZCH2 | 6 X 6 | 256JM 20 3500
ZCH2 | 8 X 8 | 256JM 20 3500
ZCH2 | 10 X 10 | 256JM 20 3500

**Characteristics Include:**
- Allowable Working Pressure — up to 175 psi
- Temperatures to 250°F
- Multiple Sealing Options
- Internal Seal Flush
- Replaceable Wear Rings
- Close coupled to Nema Standard “JM” motors

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