**Product Features**

There are numerous fuel pumps available in the constant frequency AC – large frame pump family. An existing product can almost always be found that provides a proven solution for a new or retrofit application. Some of the key features that provide versatility are as follows:

**Mounting configuration**
- Single assembly, mounted internal to the aircraft fuel tank on the floor or walls
- Single assembly, mounted in-line (external to the fuel tank) for jettison function

**Hydraulic elements**
- Centrifugal impeller
- Gear stage for fuel priming on selected models

**Motor drive**
- Three phase, 400 Hz, induction motor designed for 200 volts (line-to-line) or 115 volts (line-to-neutral). Motors are designed to meet requirements of MIL-STD-704 and RTCA DO160.
- Motor is fuel cooled for long life
- Motors utilize non-resettable thermal fuses for locked rotor protection
- Motors utilize resettable thermal switches for dry run protection on selected models

**Applications**

Pumps from the constant frequency – large frame pump product family are used on the following aircraft:
- Boeing A-160
- Lockheed F-16
- Northrop F-18
- Sikorsky S-70, S-92, CH-148, H-92, UH-60

**Optional Features**

There are numerous pumps available within the product line family that each have unique features. Any specifications associated with a new application should be sent to Parker, and the best available option from the product catalog will be presented to the customer for consideration.

**Specifications**

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow range</td>
<td>0 to 94,000 pph</td>
</tr>
<tr>
<td>Discharge pressure range</td>
<td>12 to 50 psi</td>
</tr>
<tr>
<td>Required input range</td>
<td>2100 to 6300 volt-amps</td>
</tr>
<tr>
<td>Fluid temperature range</td>
<td>-65°F to +135°F</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-65°F to +160°F</td>
</tr>
<tr>
<td>Assembly weight</td>
<td>8 to 15 pounds</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>Intermittent to continuous</td>
</tr>
</tbody>
</table>

**Contact Information**

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PRODUCT FAMILY
Constant Frequency AC - Large Frame Fuel Pump

Model 9C126 family
Submerged mounting

Model 9C124 family
Submerged mounting

Model 9C115 family
In-line mounting

Parker Aerospace
Product range curves for fuel flow versus discharge pressure and fuel flow versus input power

If the required flow, discharge pressure, and input power fit within the cross-hatched areas, then a product already exists that may fit the new application. Any pressure requirements below the cross-hatched region will also be satisfied.

Contact Information
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