109 CPHR 5000 Constant pressure hybrid reinforcement

Thermoplastic constant pressure hose with combined reinforcement for very high pressure hydraulic applications
Up to 350 bar (up to to 5000 psi)

**FEATURES**

**Inner Tube**
Polyester elastomer

**Reinforcement**
One braid of aramid fiber plus one braid of steel wire

**Cover**
Polyurethane, black, non pinpricked, white ink-jet branding

**Applications**
General hydraulic applications requiring high mechanical protection properties of hose and braid, combined with high pressure:
— construction equipment,
— hoisting and handling equipment
— machine tools

**Description**
High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklift trucks, HD construction machinery, hoisting and handling equipment, high pressure equipment. Steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions.

**Temperature Range**
-40°C to +100°C
(-40°F to +212°F)
Limited to +70°C (+158°F)
for air and water based fluids

**Vacuum Rating**
-0,93 bar / -700 mm Hg
-13,5 psi / -27,5 inch Hg

**APPLICATIONS**

**PACKAGING**

**CERTIFICATION**

---

**Description**
High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklift trucks, HD construction machinery, hoisting and handling equipment, high pressure equipment. Steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions.

**Temperature Range**
-40°C to +100°C
(-40°F to +212°F)
Limited to +70°C (+158°F)
for air and water based fluids

**Vacuum Rating**
-0,93 bar / -700 mm Hg
-13,5 psi / -27,5 inch Hg

---

**Part No.**

<table>
<thead>
<tr>
<th>Hose size</th>
<th>ID</th>
<th>OD</th>
<th>WP</th>
<th>BP</th>
<th>Safety factor</th>
<th>Bend radius</th>
<th>Weight</th>
<th>Ferrule part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>dash inch</td>
<td>mm</td>
<td>mm</td>
<td>bar</td>
<td>psi</td>
<td>mm/ inch</td>
<td>mm/ inch</td>
<td>g/m</td>
<td>lbs/ft</td>
</tr>
<tr>
<td>1092 -4</td>
<td>1/4”</td>
<td>6</td>
<td>6,50</td>
<td>0,256</td>
<td>11,80</td>
<td>0,465</td>
<td>350</td>
<td>5000</td>
</tr>
<tr>
<td>1094 -6</td>
<td>3/8”</td>
<td>10</td>
<td>9,70</td>
<td>0,382</td>
<td>16,20</td>
<td>0,638</td>
<td>350</td>
<td>5000</td>
</tr>
<tr>
<td>1095 -8</td>
<td>1/2”</td>
<td>12</td>
<td>13,00</td>
<td>0,512</td>
<td>20,30</td>
<td>0,799</td>
<td>350</td>
<td>5000</td>
</tr>
</tbody>
</table>