Specifications

Typical Application
Chain Type Longwall Machinery like Armored Face Conveyors (AFC)

Maximum Output Torque (for 3 sec) $T_{max}$ [N·m]

<table>
<thead>
<tr>
<th>KP-115 CST/P-115 CST</th>
<th>$T_{max}$ [N·m]</th>
<th>848,196 lb/ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ratio i [–]</td>
<td>Rated Power P</td>
<td>Rated Power P</td>
</tr>
<tr>
<td>(n = 1,485 rpm)</td>
<td>(n = 1,782 rpm)</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>1800 kW</td>
<td>2,937 hp</td>
</tr>
<tr>
<td>46</td>
<td>1800 kW</td>
<td>2,480 hp</td>
</tr>
</tbody>
</table>

Shaft Design
Input Shaft (cylindrical) DIN 5480-W 140×4
Output Shaft with Internal Tothing DIN 5480-N 360×10

Dimensions
KP-115 CST
Length 3600 mm 141.6 in
Width 2029 mm 79.8 in
Height 1300 mm 51.1 in

P-115 CST
Length 2811 mm 110.6 in
Width 1400 mm 55.1 in
Height 1300 mm 51.1 in

Capacity
KP-115 CST
Oil Quantity 1300 L 212 gal
Gearbox Weight (without oil) 23 980 kg 52,851 lb

P-115 CST
Oil Quantity 700 L 132 gal
Gearbox Weight (without oil) 16 400 kg 36,145 lb

Requirements of Cooling Water
Required Cooling Water Quantity 90 L/min 23.8 gal/min
Maximum Water Inlet Temperature 25º C/298.15 K 77º F/298.15 K