DPX 105 | Technical data
High-pressure triplex plunger pump

<table>
<thead>
<tr>
<th>Nominal pressure (bar)</th>
<th>Plunger diameter (mm)</th>
<th>Effective volume flow (l / min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>28</td>
<td>23 27 31 35 39 43 47 51 55 59</td>
</tr>
<tr>
<td>500</td>
<td>32</td>
<td>31 36 41 46 51 57 62 67 72 77</td>
</tr>
<tr>
<td>400</td>
<td>36</td>
<td>39 46 52 59 65 72 79 85 92 98</td>
</tr>
<tr>
<td>315</td>
<td>40</td>
<td>49 57 65 74 82 90 98 106 114 123</td>
</tr>
<tr>
<td>250</td>
<td>45</td>
<td>62 72 82 93 103 113 124 134 144 154</td>
</tr>
<tr>
<td>200</td>
<td>50</td>
<td>76 89 102 115 127 140 153 166 178 191</td>
</tr>
<tr>
<td>160</td>
<td>55</td>
<td>93 109 124 140 155 171 186 202 217 233</td>
</tr>
<tr>
<td>125</td>
<td>65</td>
<td>130 152 174 196 217 239 261 282 304 326</td>
</tr>
</tbody>
</table>

Pump speed (rpm) | 300 350 400 450 500 550 600 650 700 750
Shaft power (kW) | 29,2 34,0 38,9 43,7 48,6 53,5 58,3 63,2 68,1 72,9

The specified values are based on continuous operation and using water as a working medium. Further information and non-standard versions on request. All technical data is subject to change.

Weight: ca. 250 kg  
Rod force: 48 kN  
Stroke: 45 mm

Highlights:
- New development
- Extremely compact
- Energy efficient: Volumetric efficiency up to 98%
- Low noise level
- Easy maintenance
- Extensive accessories, such as the pneumatic suction valve lifting device (PSVA)

All dimensions are in mm and approximate.
CI: Coolant inlet
CO: Coolant outlet
B: 4x fixing hole diameter 17 mm

Version with integrated water cooling and splash lubrication.
Application examples

- Hydraulic drives
- Descaling
- Industrial cleaning
- Deburring
- Hydroentanglement
- And many more applications

Design features

- Extremely compact design
- Robust construction suitable for continuous and intermittent operation
- Pump head with integrated plunger-cylinder unit
- Easily accessible valve inserts
- Excellent suction capacity
- Plungers made of coated stainless steel, ceramic or other materials
- Low-maintenance drive unit
- Control range between 45 and 750 rpm at full load
- Start-up under load possible
- Self-adjusting, maintenance-free high-pressure seal
- Low-maintenance low-pressure seal
- Quick-release plunger clamp for rapid assembly and maintenance

Accessories

- Pneumatic suction valve lifting device (PSVA)
- Safety valve
- Recirculating valve
- Pressure regulating valve
- Gate valve
- Non-return valve
- Forced feed lubrication
- Pulsation damper
- Water or air cooling
- Noise protection
- Filter units
- Pump controller
- Diagnostic assistance
- System accessories
- Further accessories on request

Drive options

- Gearbox (horizontal, vertical or angular; with or without couplings)
- Compact gearbox
- Built-on gearbox
- V-belt drive
- Compact V-belt drive (vertical design)
- Direct drive (with or without frequency converter)
- Possibility of various drive types (electric, Diesel, hydraulic etc.)

Contact

**Wepuko PAHNKE GmbH**
Max-Planck-Str. 10
72555 Metzingen
Germany

Tel.: +49 7123 1805-0
Fax: +49 7123 41231
wepuko@wepuko.de
www.wepuko.com