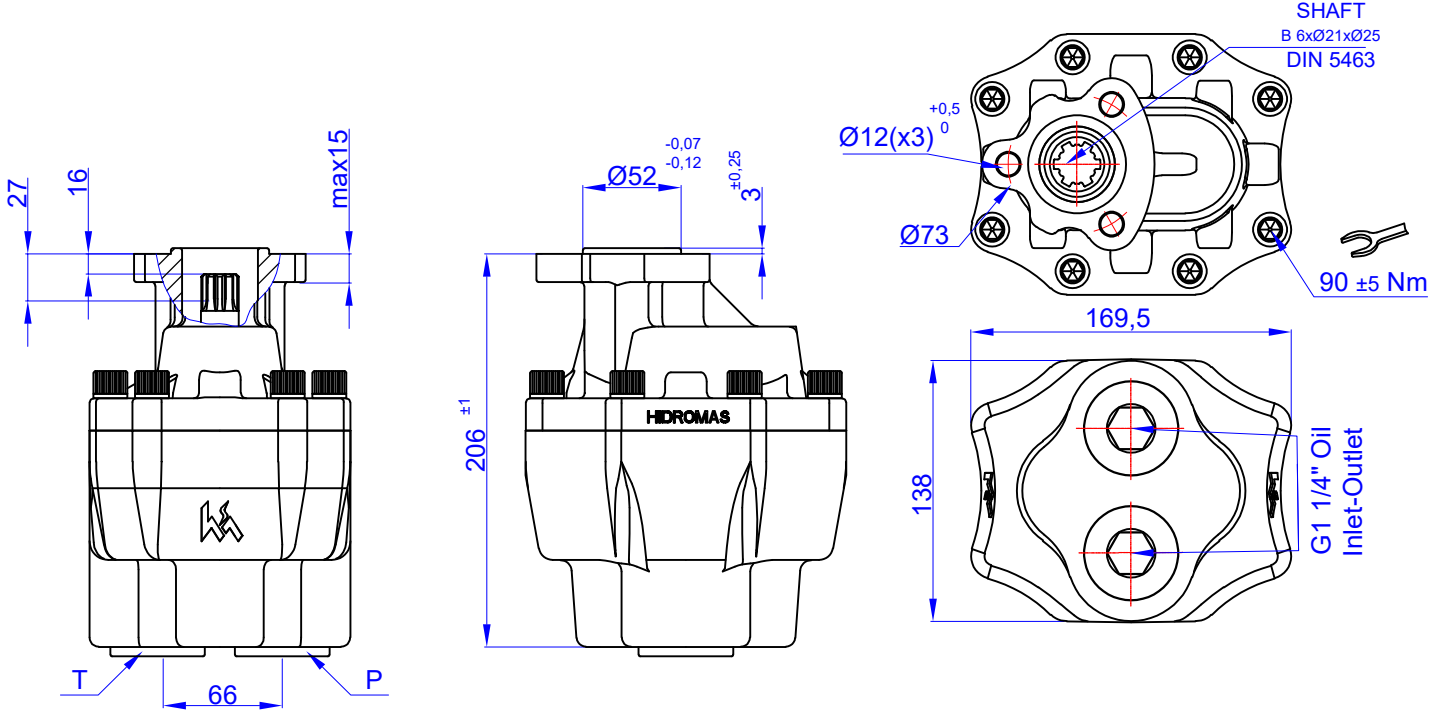


105 cc BI-ROTATIONAL GEAR PUMP-UNI  
DP 35-105 ÇİFT DÖNÜŞLÜ DİŞLİ POMPA

Product Code / Ürün Kodu : PDCD3510510013  
Ref. No : 0001



### TEKNİK BİLGİLER / TECHNICAL DATA

#### Specifications

|   |                   |                          |
|---|-------------------|--------------------------|
| Displacement  | 105               | cm <sup>3</sup> /rev     |
| Max. Peak Pressure (P3)                                       | 255               | bar                      |
| Max. Intermittent Pressure (P2)<br>(for tipping applications) | 240               | bar                      |
| Max. Continuous Pressure (P1)                                 | 220               | bar                      |
| Max. Speed at Intermittent Press.                             | 1900              | min <sup>-1</sup>        |
| Min. Speed at Intermittent Press.                             | 300               | min <sup>-1</sup>        |
| Max. Speed at Continuous Press.                               | 1400              | min <sup>-1</sup>        |
| Oil Temperature Range   | -40 ~ 80          | °C                       |
| Inlet Pressure Range (suction side)                           | 0,7 ~ 3           | bar                      |
| Recommended Oil Viscosity Range                               | 12 ~ 100          | mm <sup>2</sup> /s (cSt) |
| Max. Starting Viscosity                                       | 750               | mm <sup>2</sup> /s (cSt) |
| <b>Filtration :</b>   |                   |                          |
| -Working Pressure < 200 bar                                   | 25                | µm                       |
| -Working Pressure > 200 bar                                   | 10                | µm                       |
| <b>Connection :</b>   |                   |                          |
| Min. Suction Hose Bore Diameter                               | -                 | inch                     |
| Weight  | 16,5              | kg                       |
| Rust prevent oil applied shaft area                           | protect 12 months |                          |

#### Power and Torque

| Pressure (Bar) | 50 | 100 | 150 | 200 | 255 |
|----------------|----|-----|-----|-----|-----|
| Torque (Nm)    | 93 | 186 | 279 | 371 | 473 |

#### Power (kW)

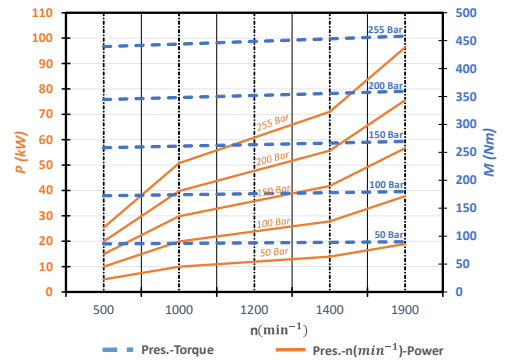
| rpm / Bar | 50 | 100 | 150 | 200 | 255 |
|-----------|----|-----|-----|-----|-----|
| 500       | 5  | 10  | 15  | 20  | 25  |
| 1000      | 10 | 20  | 30  | 40  | 51  |
| 1200      | 12 | 24  | 36  | 48  | 61  |
| 1400      | 14 | 28  | 42  | 56  | 71  |
| 1900      | 19 | 38  | 57  | 76  | 96  |

#### rpm (n/min) Flow (L/min)

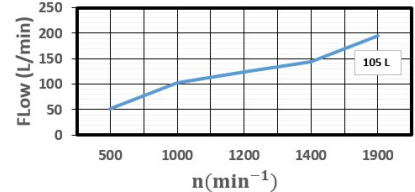
| rpm (n/min)  | 500 | 1000 | 1200 | 1400 | 1900 |
|--------------|-----|------|------|------|------|
| Flow (L/min) | 51  | 103  | 123  | 144  | 196  |

### DİYAGRAMLAR / DIAGRAMS

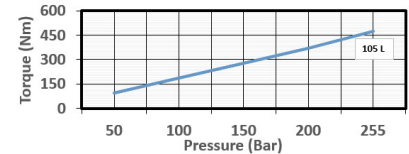
#### Power-Pressure Graphic



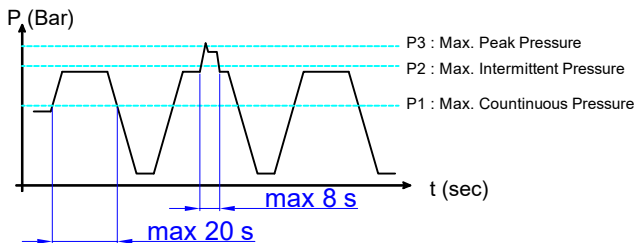
#### Flow-rpm Graphic



#### Torque-Pressure Graphic



#### Pressure Definition



#### Hydraulic Pump Symbol

