**233 333 Specifications**

Purpose:   
Integrated pumping units are intended for operation in open circuits of stationary units and mobile machines.

Mounting Dimensions:  
- Flange as per SAE/DIN/ISO.  
- with various mounting flanges (upon Customer Request)  
- without flange  
- Torsion shaft, splined shaft, flange shaft.

PSM-HYDRAULICS® designs and manufactures integrated pump units upon customer’s individual request.

**Technical characteristics:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Size | | | 333…28 233…28 | 233…55 333…55 233…56 333…56 | 223…80 | 233…107 333…107 233…112 333…112 | 353…112 | 233…160 333…160 | 263…160 363…160 |
| Power | Pmax | kW | 70 | 93 | 105 | 160 | 465 | 240 | 500 |
| Shaft rotation speed | nmax | rpm | 2195 | 2400 | 2280 | 2100 | 2100 | 2100 | 2100 |
| Weight (working fluid excluded) | mmax | kg | 50 | 74 | 55 | 110 | 224 | 155 | 440 |

**Design:**

- modular principle of assembly.  
- number of flows (number of installed pumps) is from 1 to 6.

- Mounted pumps - fixed displacement: 310, 411 series

- variable displacement: 313, 416 series

- gear type, gear type with two or three flows.

**Special features:**

- torsional and splined drive shaft with inner and outer splines

- various versions of reduction gear housing

**Application:**

Hydraulic power drives of stationary and mobile machinery

**Analogues:**

A8VO (Bosch Rexroth)

HDV (Sam Hydraulics)