



HYDROSILA
HYDRAULICS YOU CAN TRUST

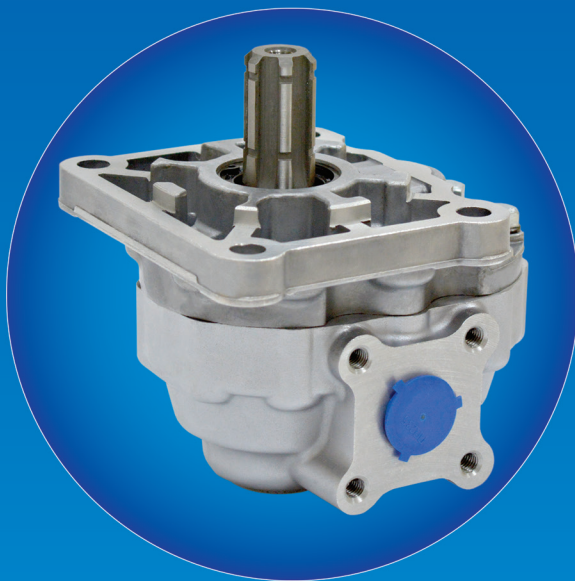
NEW

series

MASTER

Plus

GEAR PUMP



**Stable performance with high efficiency
throughout the rev range**

COMPARATIVE CHARACTERISTICS

on example of a gear pump with a displacement of 32 cm³/rev

Type	«MASTER» 32 cm ³ /rev	«MASTER Plus» 32 cm ³ /rev
Max. continuous pressure, bar	160	190
Max. intermittent pressure, bar	210	210
Min. speed, min ⁻¹	500	500
Efficiency at 500 rpm	0,84	0,91

MAIN ADVANTAGES

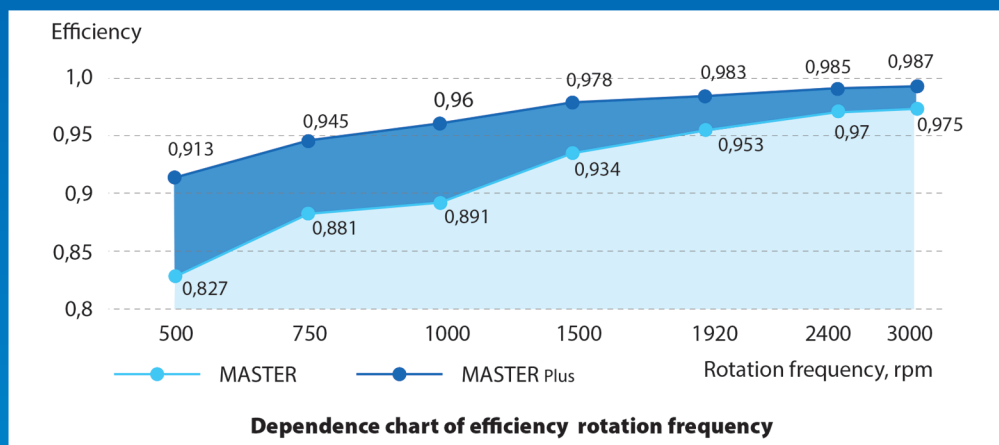
New casting technology:

- Allowed to increase its strength characteristics at peak loads in the hydraulic system.
- It made it possible to increase the channels in the suction zone, thereby ensuring the safe start of the pump during the cold season, i.e. pump operation on a more viscous fluid.

Updated pumping unit:

- Ensures pump operation with high performance over the entire operating speed range.
- The use of two compensators in the pumping unit has reduced the power consumption and, consequently, reduce fuel consumption.

The pump has high efficiency (0.91) at minimum operating speed of 500 rpm. This ensures efficient operation of the engine at idle.



The improved design of the pump made it possible to change the direction of rotation by a simple bulkhead, without replacing the components.

Gear pumps series "Master plus" are suitable for agricultural, forestry and municipal machinery and other equipment.

