



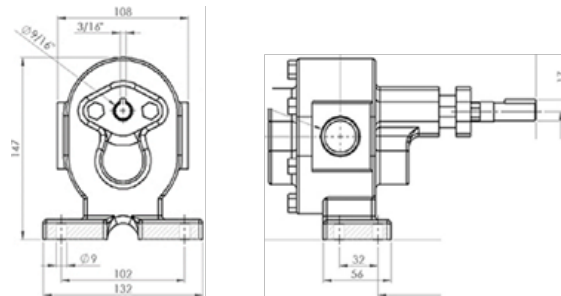
# GEAR PUMP 1" CAST IRON WITH MOTOR

*Amboretto  
Corporation*

# GEAR PUMP 1" CAST IRON WITH MOTOR



## Dimensional Drawing



## CAPACITY

- Maximum Flow: 4,000 liters/hour
- Maximum Pressure: 22-bar
- Maximum Rotation: 1750-RPM
- Viscosity: From 0,5 up to 200,000 cSt
- Maximum Temperature: Up to 350°C

## CHARACTERISTICS

- Threaded suction and retaining nozzles Ø 1" BSP;
- Gears helical teeth or spurs;
- Gasket or mechanical seal;
- Sliding bearings in self-lubricating bushings;
- Construction in cast iron, stainless steel, carbon steel or special materials for applications according to customer specification.

## APPLICATIONS

- Pumping and transfer of fluids in general;
- Lubrication systems;
- Filtration systems;
- Supply units;
- Fluid circulation and recirculation systems;
- Loading and unloading of tank trucks;
- Feeding systems for lines, machinery and equipment;
- Dosing in industrial processes;
- Drainage of fluids;
- Systems of refrigeration of machinery and equipment;
- Hydraulics machinery and equipment in general;

## OPTIONAL

- Integrated relief valve; Bearing housings;
- Construction in special materials for specific applications  
Coupling; Motor-Pump Set;

## FLOW TABLE

RPM, FLOW AND POWER		BOOSTER PRESSURE (KG/CM <sup>2</sup> )												
		0	2	4	6	8	10	12	14	16	18	20	22	
1750 RPM	FLOW	liters/hour	4000	3880	3764	3651	3541	3435	3332	3232				
		liters/minute	66.7	64.7	62.7	60.8	59.0	57.2	55.5	53.9				
		HP	1.00	1.00	1.50	2.00	2.00	3.00	4.00	4.00				
1150 RPM	FLOW	liters/hour	3000	2993	2984	2972	2963	2957	2945	2933	2922	2909	2900	1991
		liters/minute	50.0	49.9	49.7	49.5	49.4	49.3	49.1	48.9	48.7	48.5	48.3	33.2
		HP	1.00	1.00	1.50	2.00	2.00	3.00	4.00	4.00	5.00	5.00	7.50	7.50
850 RPM	FLOW	liters/hour	1950	1935	923	1912	1901	1894	1885	1873	1866	1857	1841	1832
		liters/minute	32.5	32.3	32.1	31.9	31.7	31.6	31.4	31.2	31.1	31.0	30.7	30.5
		HP	1.00	1.00	1.50	2.00	2.00	3.00	4.00	4.00	5.00	5.00	7.50	7.50



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