



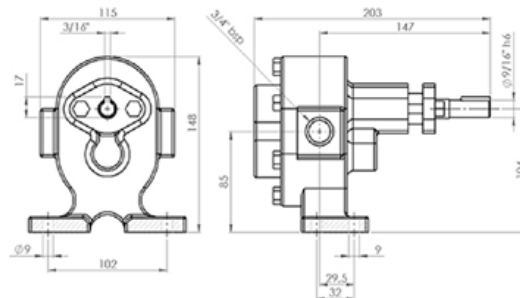
**GEAR PUMP 3/4  
CAST IRON WITH  
MECHANICAL SEAL**

*Amboretto  
Corporation*

# GEAR PUMP 3/4 CAST IRON WITH MECHANICAL SEAL



## Dimensional Drawing



## CAPACITY

- Maximum Flow: 2,700 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 3/4" 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;
- Coupling; Motor-Pump Set;
- Construction in special materials for specific applications.

## 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	2700	2619	2540	2464	2390	2319	2249	2182				
		liters/minute	45.0	43.7	42.3	41.1	39.8	38.6	37.5	36.4				
		HP	1.00	1.00	1.00	2.00	2.00	3.00	4.00	4.00				
1150 RPM	FLOW	liters/hour	1800	1770	1740	1710	1620	1560	1500	1440	1320	1200	1080	1020
		liters/minute	30,0	29,5	29,0	28,5	27,0	26,0	25,0	24,0	22,0	20,0	18,0	17,0
		HP	1,00	1,00	1,00	2,00	2,00	3,00	4,00	4,00	5,00	5,00	7,50	7,50
850 RPM	FLOW	liters/hour	1300	11 290	1270	1250	1230	1220	1200	1980	1950	1920	1880	1830
		liters/minute	21,7	21,5	21,2	20,8	20,5	20,3	20,0	33,0	32,5	32,0	31,3	30,5
		HP	1,00	1,00	1,00	2,00	2,00	3,00	4,00	4,00	5,00	5,00	7,50	7,50



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