



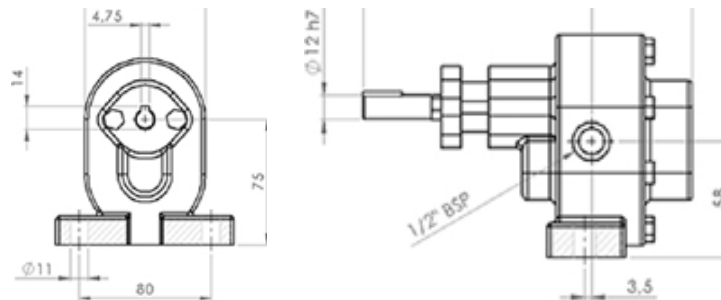
GEAR PUMP 1/2" CAST IRON

*Amboretto
Corporation*

GEAR PUMP 1/2" CAST IRON



Dimensional Drawing



CAPACITY

- Maximum Flow: 1,100 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 \varnothing 1/2" 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 ²)												
		0	2	4	6	8	10	12	14	16	18	20	22	
1750 RPM	FLOW	liters/hour	1100	11 067	11	035	1004	974	945	916	889	862		
		liters/minute	18.3	17.8	17.2	16.7	16.2	15.7	15.3	14.8	14.4			
		HP	0.50	0.50	0.50	1.00	1.00	1.50	1.50	2.00	2.00			
1150 RPM	FLOW	liters/hour	600	585	560	550	540	520	500	470	450	430	425	420
		liters/minute	10.0	9.8	9.3	9.2	9.0	8.7	8.3	7.8	7.5	7.2	7.1	7.0
		HP	0.50	0.50	0.50	1.00	1.00	1.50	1.50	2.00	2.00	2.00	3.00	3.00
850 RPM	FLOW	liters/hour	480	475	470	450	420	410	390	370	350	320	300	295
		liters/minute	8.0	7.9	7.8	7.5	7.0	6.8	6.5	6.2	5.8	5.3	5.0	4.9
		HP	0.50	0.50	0.50	1.00	1.00	1.50	1.50	2.00	2.00	2.00	3.00	3.00



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