

PTO Gear Pump Model GP-PTO

Technical Data

Model GP-PTO is a PTO driven Gear Pump constructed with cast Iron end plates and is available with aluminum center section. It offers 4 displacement sizes from 3.41 to 9.76 cu. in/rev (56 to 160 ml/rev). Standard drive is 1 3/8 diameter 6 tooth female spline.



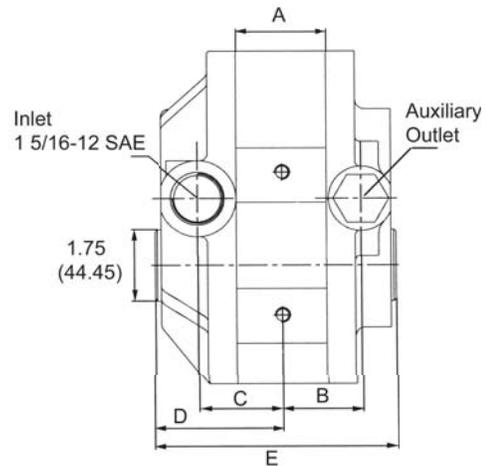
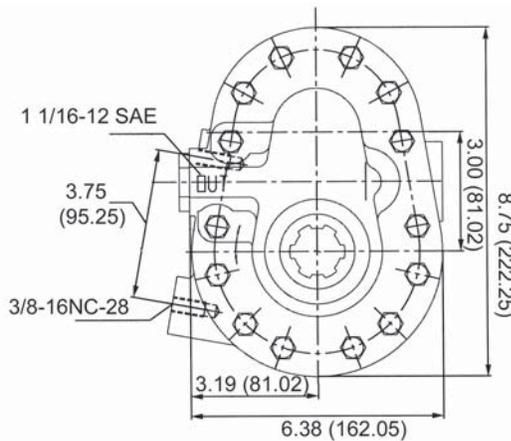
Model	Displacement		Pressure		Speed RPM		Weight	
	cu.in/rev	cm3/rev	PSI	Mpa	Rated	Max	Lbs.	Kg
GP-PTO-9	9.76	160	2500	17.25	540	595	40	18
GP-PTO-7	7.62	125	2500	17.25	540	595	38	17
GP-PTO-5	5.50	90	2500	17.25	540	595	36	16
GP-PTO-3	3.41	56	2500	17.25	540	595	33	15

Recommended working conditions:

1. FILTRATION 10 micron or better
2. OIL VISCOSITY 6 to 200 cSt
3. INLET PRESSURE 12 to 32 psi abs.
4. OIL TEMPERATURE -25 to 80 degrees C (-12 to 175 degrees F).
5. AMBIENT -22 to 55 degrees C (-8 to 130 degrees F).

Flow rate in gpm
 Displacement (cu.in/rev) X speed (rpm) / 231
 Volumetric efficiency % ≥93

Installation Data



Model	A		B		C		D		E	
	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.
GP-PTO-9	60.3	2.37	53.1	2.09	55.6	2.19	85.1	3.35	161.3	6.35
GP-PTO-7	50.9	2.00	48.5	1.91	50.8	2.00	80.3	3.16	151.6	5.97
GP-PTO-5	41.25	1.62	43.7	1.72	46	1.81	75.4	2.97	142.2	5.60
GP-PTO-3	32.1	1.26	39.1	1.54	41.4	1.63	70.6	2.78	132.8	5.23

Port Sizes
 Inlet - SAE-16 (1 5/16-12)
 Outlets - SAE-12 (1 1/16-12)

Ordering Information

GP - **PTO** - **A** - **9** - **6** - **S**
 Gear Pump PTO Driven Series Center Section A - Aluminum Displacement cm3/rev (see chart) 3,5,7,9 Drive Required 6 - 6 tooth spline 21 - 21 tooth spline* Port Location S - Side ports

* 21 tooth spline side port option only available on 3 & 5 size pumps, special order only.

PTO Gear Pump Model GP-PTO rear port

Technical Data

Model GP-PTO is a PTO driven Gear Pump constructed with cast Iron end plates and aluminum center section. The rear ported option is available in the 9.76 cu. in/rev (160 ml/rev) displacement and offers Higher flows at reduced engine RPM as compared to other PTO pumps. Standard drive is 1 3/8 inch diameter 21 tooth female spline.

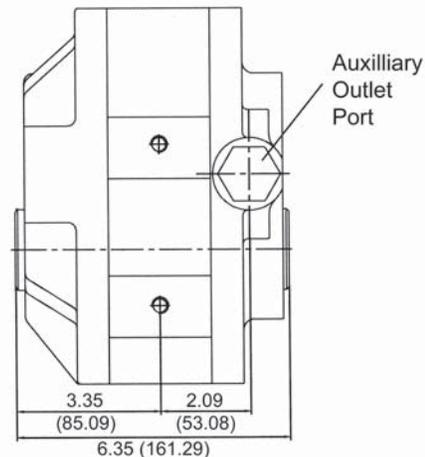
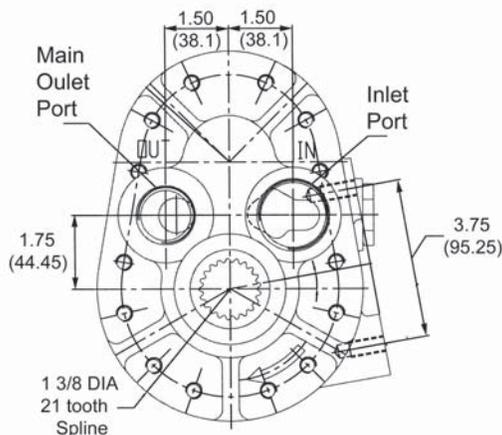


Model	Displacement		Pressure		Speed RPM		Weight	
	cu.in/rev	cm3/rev	PSI	Mpa	Rated	Max	Lbs.	Kg
GP-PTO-A-9-21-R	9.76	160	2500	17.25	1000	1100	40	18

Flow rate in gpm
 Displacement (cu.in/rev) X speed (rpm) / 231
 Volumetric efficiency % ≥93

- Recommended working conditions:
1. FILTRATION 10 micron or better
 2. OIL VISCOSITY 6 to 200 cSt
 3. INLET PRESSURE 12 to 32 psi abs.
 4. OIL TEMPERATURE -25 to 80 degrees C (-12 to 175 degrees F).

Installation Data



Model	A		B		C		D		E	
	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.
GP-PTO-A-9-21-R	60.3	2.37	53.1	2.09	55.6	2.19	85.1	3.35	161.3	6.35

Port Sizes
 Inlet - SAE-16 (1 5/16-12)
 Outlet - SAE-12 (1 1/16-12)

Ordering Information

GP - **PTO** - **A** - **9** - **21** - **R**

Gear Pump PTO Driven Series Center Section A - Aluminum Displacement cm3/rev (see chart) 9 Drive Required 21 - 21 tooth spline Port Location R - Rear ports