DESCRIPTION

- AP-30 is high pressure gear pump with cast iron end caps and an aluminum housing.
- Standard mounting flange is SAE B-2 bolt.
- Displacement 22-43 cc: SAE-16 inlet, SAE 12 outlet
  Displacement 51-89 cc: SAE-20 inlet, SAE-16 outlet
- Drive shaft options include 7/8" 13 tooth spline and 7/8" straight shaft with 1/4" key.

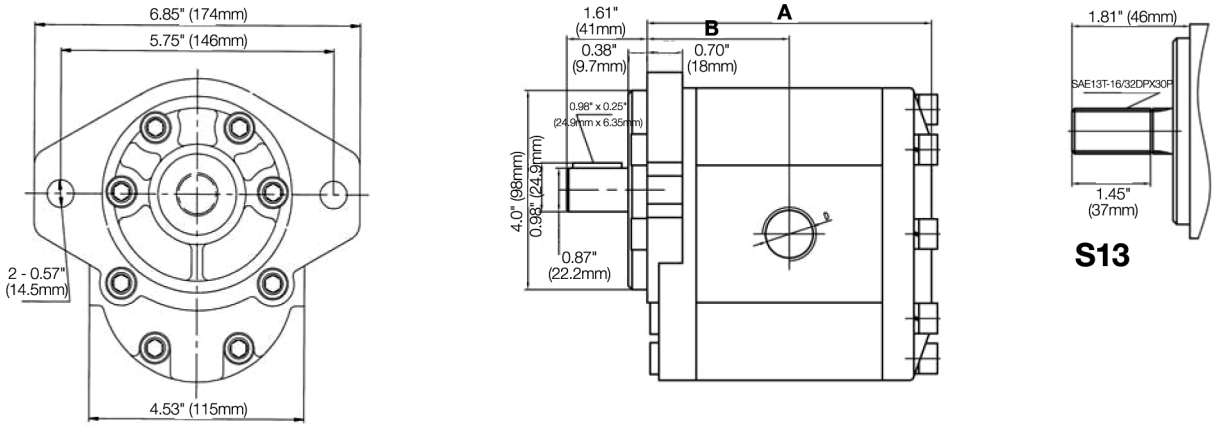
AP-30 TECHNICAL DATA

- Pump inlet pressure (absolute) — 12 to 32 psi
- Operating Viscosity Range: — 20 - 65 mm^2/s (cSt) – Recommended
- Minimum operating viscosity — 12 mm^2/s (cSt)
- Maximum operating viscosity — 100 mm^2/s (cSt)
- Max level of contamination:
  Recommended for operating pressure:
  < 2000 psi (140 bar) — 21/19/16 ISO 4406 / class 10 NAS 1638
  2000 to 2900 psi (140-200 bar) — 20/18/15 ISO 4406 / class 9 NAS 1638
- Operating temperature: — Oil: -20 to 80ºC / -4 to 176ºF
  Ambient: -22 to 55ºC / -8 to 130ºF
- Hydraulic fluid: — Mineral-based hydraulic oil
- Seals: — Buna NBR (standard) / Viton FKM (optional)
- Caution: — Not to be used with Water Glycol.
- Max. permissible operating pressure dependent on viscosity.

Model	Displacement		GPM @ 1800 rpm	Rated Pressure		Speed RPM		Weight	
	cm^3/rev	cu.in/rev		psi	bar	Min	Max	lbs	kg
AP-30-22	22	1.34	10.44	2900	200	400	3000	19.1	8.68
AP-30-26	26	1.59	12.39	2900	200	400	3000	19.35	8.80
AP-30-34	34	2.07	16.13	2900	200	400	3000	20.05	9.11
AP-30-39	39	2.38	18.55	2900	200	400	3000	20.22	9.19
AP-30-43	43	2.62	20.42	2900	200	400	2800	20.65	9.39
AP-30-51	51	3.11	24.23	2900	200	400	2800	21.60	9.82
AP-30-60	60	3.66	28.52	2610	180	400	2800	22.35	10.16
AP-30-70	70	4.27	33.27	2610	180	400	2500	22.79	10.36
AP-30-78	78	4.76	37.09	2320	160	400	2300	23.47	10.67
AP-30-89	89	5.43	42.31	2030	140	400	2000	24.18	11.00

Notes:
Flow rate in gpm - Displacement (cu.in/rev) X speed (rpm)/231
Volumetric efficiency up to 98%, mechanical efficiency up to 88%

AP-30 DIMENSIONS



Model	A		B		SAE Ports	
	mm	inch	mm	inch	in	out
AP-30-22	131	5.16	66	2.60	-16	-12
AP-30-26	134	5.27	67	2.63	-16	-12
AP-30-34	139	5.47	69	2.71	-16	-12
AP-30-39	143	5.62	71	2.79	-16	-12
AP-30-43	147	5.78	73	2.87	-16	-12
AP-30-51	152	5.98	76	2.99	-20	-16
AP-30-60	158	6.22	79	3.11	-20	-16
AP-30-70	166	6.53	82	3.22	-20	-16
AP-30-78	171	6.73	85	3.34	-20	-16
AP-30-89	176	6.93	88	3.46	-20	-16

AP-30 ORDERING INFORMATION

AP-30 — **34** — **P4** — **R** — ____

Model Series	Displacement		Drive Shaft		Rotation Direction		Special Options
AP-30	cm^3/r	CIR	**P4**	7/8” Straight Keyed (SAE A) – 1/4” Key	**R**	Clockwise	**Consult Anfield**
SAE B-2 bolt	**22**	1.343			**L**	Counter Clockwise	
	26	1.587	**S13**	7/8” 13T 16/32 DP Splined (SAE B)		viewed from drive shaft end	
	34	2.075					
	39	2.380					
	43	2.624					
	51	3.112					
	60	3.661					
	70	4.272					
	78	4.760					
	89	5.431					