

# INDUSTRIAL GEAR PUMP

## MODEL GP HYT-20

Constructed of an aluminum center section and cast-iron end plates, model GP-HYT-20 is a high-pressure hydraulic gear pump with 11 displacement sizes from 0.24 - 1.95 in<sup>3</sup>/rev (4 - 32 cm<sup>3</sup>/rev). The standard mounting flange is a SAE A - 2 bolt. Standard drive shaft is a 5/8" straight shaft with 5/32" key.

### Recommended working conditions:

**FILTRATION:** 25 micron or better

**OIL VISCOSITY:** 7 - 700 cSt

**INLET PRESSURE:** 12 - 32 psi absolute

**OIL TEMP:** -25° - 80° C (-12° - 175° F)

**AMBIENT:** -22° - 55° C (-8° - 130° F)



### Technical Specifications

Model	Displacement	Pressure	Speed (rpm)		Weight	Ports		L		L1
	In <sup>3</sup> cm <sup>3</sup> / rev		psi	Rated		Max	Lbs.	In	Out	
GP-HYT20-04	0.24 (4)	3650	2000	3600	8.30	SAE-12	SAE-10	3.70"	4.15	1.69"
GP-HYT20-06	0.36 (6)	3650	2000	3600	8.55	SAE-12	SAE-10	3.87"	4.32"	1.77"
GP-HYT20-08	0.48 (8)	3650	2000	3600	8.75	SAE-12	SAE-10	3.95"	4.40"	1.85"
GP-HYT20-10	0.61 (10)	3650	2000	3600	8.80	SAE-12	SAE-10	4.12"	4.47"	1.89"
GP-HYT20-12	0.73 (12)	3650	2000	3600	9.05	SAE-12	SAE-10	4.25"	4.70"	1.97"
GP-HYT20-14	0.85 (14)	3650	2000	3600	9.20	SAE-12	SAE-10	4.35"	4.80"	2.00"
GP-HYT20-16	0.97 (16)	2900	2000	3600	9.35	SAE-12	SAE-10	4.50"	4.95"	2.07"
GP-HYT20-20	1.22 (20)	2900	2000	3600	9.80	SAE-12	SAE-10	4.72"	5.17"	2.20"
GP-HYT20-25	1.52 (25)	2900	2000	3600	10.30	SAE-12	SAE-10	5.17"	5.62"	2.36"
GP-HYT20-30	1.83 (30)	2300	2000	3600	10.75	SAE-16	SAE-12	5.35"	5.80"	2.52"
GP-HYT20-32	1.95 (32)	2300	2000	3600	11.00	SAE-16	SAE-12	5.79"	6.24"	2.87"

Flow Rate (gpm) = Disp. (in<sup>3</sup> / rev) X Speed (rpm) / 231

Volumetric efficiency % ≥ 93

# Installation Data

