

IFP IP3100/IP5100/IP7600 GEAR PUMPS AND MOTORS



Characteristics :

- High efficiency single / multiple units
- Wide range of displacements
- Optional shafts / mountings
- Rugged cast iron construction
- Motor assemblies available
- Complete parts program
- Flow dividers available



ROLLER BEARING GEAR PUMPS PERFORMANCE DATA

IFP MODEL SERIES	Gear width (inches)	Theoretical displacement		Mineral oil maximum pressure				Recommended speed range		Approximate weight			
				Continuous		Intermittent		MAX	MIN	Single unit		Add section	
		in ³ /rev	cm ³ /rev	PSI	BAR	PSI	BAR	rpm	rpm	lbs	kg	lbs	kg
IP3100	1/2	1.00	16.39	2750	190	3000	207	2400	600	31	14	25	11
	3/4	1.48	24.58	2750	190	3000	207	2400	600	32	14.5	26	11.5
	1	1.97	32.77	2750	190	3000	207	2400	600	33	15	27	12
	1 1/4	2.46	40.97	2750	190	3000	207	2400	600	34	15.5	28	12.5
	1 1/2	2.96	49.16	2750	190	3000	207	2400	600	35	16	29	13
	1 3/4	3.45	57.35	2250	155	2500	172	2400	600	36	16.5	31	14
	2	3.94	65.55	2250	155	2500	172	2400	600	37	17	32	14.5
IP5100	3/4	1.91	31.66	2750	190	3000	207	2400	600	35.5	16.5	29.5	13
	1	2.55	42.11	2750	190	3000	207	2400	600	37	17	31	14
	1 1/4	3.19	52.77	2750	190	3000	207	2400	600	38.5	17.5	32.5	15
	1 1/2	3.83	63.25	2750	190	3000	207	2400	600	40	18	34	15.5
	1 3/4	4.46	73.74	2750	190	3000	207	2400	600	41.5	19	35.5	16
	2	5.10	84.23	2250	155	2500	172	2400	600	43	19.5	37	17
	2 1/4	5.74	94.88	2250	155	2500	172	2400	600	48.5	22	42.5	19
	2 1/2	6.38	105.37	2250	155	2500	172	2400	600	50	22.5	44	20
IP7600	3/4	3.07	50.40	2750	190	3000	207	2400	600	69	32	57	26
	1	4.10	67.20	2750	190	3000	207	2400	600	72	33	59	27
	1 1/4	5.12	84.00	2750	190	3000	207	2400	600	75	34	62	28
	1 1/2	6.15	100.80	2750	190	3000	207	2400	600	77	35	64	29
	1 3/4	7.17	117.60	2750	190	3000	207	2400	600	80	36	67	31
	2	8.20	134.40	2250	155	2500	172	2400	600	82	37	69	32
	2 1/4	9.22	151.20	2250	155	2500	172	2400	600	85	39	72	33
	2 1/2	10.25	168.00	2250	155	2500	172	2400	600	87	40	74	34
	2 3/4	11.27	184.80	1750	120	2000	138	2400	600	90	41	77	35
	3	12.30	201.60	1750	120	2000	138	2400	600	92	42	79	36

International manufactures bearing gear pumps and motors to the highest quality and durability for the most demanding applications. Our gears are produced to precise tolerances with a true involute profile along the tooth thus maximising volumetric efficiency. The result is more efficient longer lasting pumps & motors with lower noise emissions.

International casts all its shaft end covers, gear housings, bearing carriers, and port covers out of grade 17 cast iron, which is metallurgically controlled to provide only the highest quality castings. In all assemblies, high density bronze alloy thrust plates with superior wear characteristics ensures longer pump or motor life under the harshest conditions.

The high operating pressure and speed combined with the large number of displacements, mounting options and port configurations make these units ideal for single and multiple pump and motor applications.