

IFP IP3150/IP3300/IP3500/IP3650 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



BUSHING GEAR PUMPS PERFORMANCE DATA

IFP MODEL SERIES	GEAR WIDTH (inches)	Theoretical displacement		Mineral oil maximum pressure				Recommended speed range		Approximate weight			
		in3/rev	cm3/rev	Continuous		Intermittent		MAX	MIN	Single unit		Add section	
				PSI	BAR	PSI	BAR	rpm	rpm	lbs	kg	lbs	kg
IP3150	1/2	.62	10.20	3000	207	3500	241	3000	600	14	6	13.5	5
	3/4	.93	15.20	3000	207	3500	241	3000	600	15	7	14.25	6.65
	1	1.24	20.30	3000	207	3500	241	3000	600	18	8	17	7.6
	1 1/4	1.55	25.40	3000	207	3500	241	3000	600	19	8.5	18	8
	1 1/2	1.86	30.50	2750	190	3300	228	3000	600	20	9	19	8.5
	2	2.48	40.60	2250	155	2500	172	3000	600	22	10	21	9.5
IP3300	1/2	.99	16.10	3000	207	3500	241	3000	600	33.5	15	30	13.5
	3/4	1.48	24.20	3000	207	3500	241	3000	600	34.75	15.5	31	14
	1	1.97	32.30	3000	207	3500	241	3000	600	36	16	32.5	14.5
	1 1/4	2.46	40.40	3000	207	3500	241	3000	600	37.25	16.5	33.5	14.85
	1 1/2	2.96	48.40	3000	207	3500	241	3000	600	38.5	17	34.5	15.3
	2	3.94	64.60	2500	172	3000	207	3000	600	40	18	36	16.2
IP3500	3/4	1.91	31.30	3000	207	3500	241	3000	600	49.5	22	47	21
	1	2.55	41.80	3000	207	3500	241	2400	600	51	23	48.5	21.75
	1 1/4	3.19	52.20	3000	207	3500	241	2400	600	52.5	23.5	49.75	22.3
	1 1/2	3.83	62.70	3000	207	3500	241	2400	600	54	24	51	22.8
	1 3/4	4.46	73.10	2750	190	3250	224	2400	600	55.5	25	52.75	23.25
	2	5.10	83.60	2500	172	3000	207	2400	600	57	25.5	54	23.75
IP3650	2 1/4	5.74	94.00	2500	172	2750	190	2400	600	58.5	26	55.5	24.7
	2 1/2	6.38	104.50	2250	155	2500	172	2400	600	60	27	57	25.65
	3/4	2.70	44.30	3000	207	3500	241	2400	600	53.5	24	50.8	22.8
	1	3.60	59.00	3000	207	3500	241	2400	600	56	25	53	23.75
	1 1/4	4.50	73.80	3000	207	3500	241	2400	600	58.5	26	55.5	24.75
	1 1/2	5.40	88.50	3000	207	3500	241	2400	600	61	27.5	58	26
IP3650	1 3/4	6.30	103.30	3000	207	3500	241	2400	600	63.5	28.5	60	27
	2	7.20	118.00	3000	207	3500	241	2400	600	66	29.5	62.5	28
	2 1/4	8.10	132.80	2750	190	3250	224	2400	600	68.5	31	65	29.5
	2 1/2	9.00	147.50	2500	172	3000	207	2400	600	71	32	67.5	30

International manufactures bushing 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.