

LIFCO

HYDRAULICS INC

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INVENTORY AND
TECHNICAL SKILLS ARE
HOW WE WON TWO
2025 DISTRIBUTOR OF
THE YEAR AWARDS

IDENTIFYING A GEAR PUMP

1 Type of Gear Support

Bearing Unit								(Dimensions are in inches)	
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Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76
Bearing OD	1.6	2.33	1.94	1.69	1.69	1.94	2.33

Bushing Unit					(Dimensions are in inches)	
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Series	P315	P330	P350	P365
Bushing ID	0.95	1.07	1.3	1.52
Bushing OD	1	1.18	1.46	1.67

2 Support Studs

Bolts or Threaded Rods												(Dimensions are in inches)	
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Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
No. of Studs	4	8	4	4	4	4	8	4	4	4	4
Thread	1/2-NC	1/2-NC	5/8-NC	9/16-NC	5/8-NC	5/8-NC	5/8-NC	1/2-NC	5/8-NC	5/8-NC	5/8-NC

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3 Front Bearing & Retainer

(Dimensions are in inches)

Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
Ball Bearing	YES	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
Bearing OD	2.4	NO	NO	2	2	2.8	3.15	NO	2	2.8	3.15
Snap Ring	YES	NO	NO	YES	YES	YES	YES	NO	YES	YES	YES
Tapered Bearing	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
Brg Cone OD	NO	3	2.5	NO	NO	NO	NO	NO	NO	NO	NO
Threaded Retainer	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO

4 Back Cover Dimensions

(Dimensions are in inches)

Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
Dimension-W1	3.375	5.25	4.94	4.7	4.81	4.94	6.13	4	4.8	5.75	6.25
Dimension-W2	N/A	7.31	N/A	N/A	N/A	N/A	N/A	4.24	6.88	7.12	7.38
Dimension-H	5.25	7.31	6	5	5.38	6	7.88	4.31	5.38	6	7

5 Gear Set Dimensions

(Dimensions are in inches)

Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
Number of Teeth	14	12	10	10	10	10	10	12	10	10	9
Dimension-D	2	2.79	2.39	2.1	2.1	2.39	3	1.76	2.1	2.4	2.74

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6 Bearing Carrier Dimensions

(Dimensions are in inches)

Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
Dimension-W	2.5	3	2.88	2.5	2.5	2.88	3	2.62	3.5	3.5	4

7 Thrust Plate Dimensions

(Dimensions are in inches)

Series	P15H	P37X	P25X	P20	P30-P31	P50-P51	P75-P76	P315	P330	P350	P365
Dimension-W	0.38	0.50	0.38	0.38	0.38	0.38	0.50	0.40	0.25	0.25	0.25