

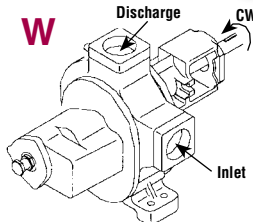


Gear Pumps

FOR FIXED AND MOBILE TRANSFER

Available in Stainless Steel and Cast Iron

REVERSIBLE ROTATION

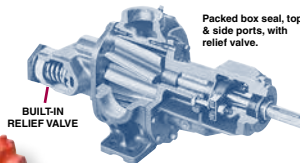


Roper offers hi-drive and lo-drive units, with both made of the same basic assemblies. Should it be necessary to reverse the pump inlet & outlet, it can be done easily by disassembling the pump and reassembling it as desired.

Stock pump includes standard rotation & ports ("W" Orientation) as shown here. Gear Reduction Pumps are opposite.



3611HBRV



Packed box seal, top & side ports, with relief valve.



QUIET-RUNNING HELICAL GEARS

- Heat treated cast-iron pumping gears are accurately machined for quiet, efficient operation and long life.
- The pumping gears are keyed to their shafts with a sliding fit and are easily replaced, if it becomes necessary.
- Accurate machining insures proper meshing, and reduces friction and vibration.

LONG-LASTING WEARING SURFACES

- Bearings are special wear-resistant, high-lead bronze. Iron and carbon bearings are available.
- Four heavy duty sleeve bearings give positive support to pumping gears and insure long, efficient service.
- Bearing grooves allow circulation of the liquid being pumped for lubrication and control of bearing temperature.
- Outboard drive shaft bearing supports external radial loads and absorbs thrust loads.

RUGGED HOUSING

- All castings are made of cast iron
- Precise manufacturing tolerances provide minimum clearances for maximum pumping efficiency.
- Large, hardened steel dowel pins insure positive alignment between the faceplate, case, and back plate.

PRECISION-GROUND SHAFTS

- The steel shafts are induction hardened in the bearing and packing areas and are precision ground to exacting standards for maximum life.
- Hardened stainless steel shafts are available.

		300RPM				400 RPM				500 RPM				600 RPM				700 RPM							
		PSI	SSU	30	100	1000	10,000	30	100	1000	10,000	30	100	1000	10,000	30	100	1000	10,000	30	100	1000	10,000		
3611	25 GPM	31	32	33	33	42	43	44	44	53	54	55	55	64	65	66	66	75	75	77	77	75	75	77	77
	HP	.8	.8	1.1	1.6	1.2	1.2	1.7	1.7	1.6	1.6	2.3	2.3	2.1	2.1	2.9	2.9	2.5	2.5	3.5	3.5	2.5	2.5	3.5	3.5
	50 GPM	29	31	33	33	40	42	44	44	51	53	55	55	62	64	65	65	73	75	77	77	73	75	77	77
	HP	1.3	1.3	1.6	2.2	1.9	1.9	2.4	2.4	2.4	2.4	3.2	3.2	3.1	3.1	3.8	3.8	3.6	3.6	4.6	4.6	3.6	3.6	4.6	4.6
3617	100 GPM	29	32	33	33	39	41	43	43	51	54	57	57	63	65	65	65	74	76	76	76	74	76	76	76
	HP	2.4	2.3	3.1	3.1	3.1	3.1	3.6	3.6	4.1	4.1	4.7	4.7	4.9	5.1	5.1	5.1	5.7	5.7	6.8	6.8	5.7	5.7	6.8	6.8
	125 GPM	27	32	33	33	39	39	43	43	50	54	54	54	60	65	65	65	72	76	76	76	72	76	76	76
	HP	2.7	3.1	3.5	3.5	3.7	4.2	4.2	4.2	4.7	5.4	5.4	5.4	5.9	6.7	6.7	6.7	6.9	8.1	8.1	8.1	6.9	8.1	8.1	8.1
3622	25 GPM	46	49	50	51	63	66	67	67	80	83	84	84	95	100	101	101	115	117	118	118	115	117	118	118
	HP	1.1	1.1	1.4	2.2	1.4	1.4	2.2	2.2	2.1	2.1	3.1	3.1	2.6	2.6	4.2	4.2	3.5	3.5	5.6	5.6	3.5	3.5	5.6	5.6
	50 GPM	42	47	50	51	59	64	67	67	76	81	84	84	93	98	101	101	111	115	118	118	111	115	118	118
	HP	1.7	2.1	2.1	3.9	2.4	2.4	3.2	3.2	4.5	4.5	5.5	5.5	4.1	4.1	5.6	5.6	5.1	5.1	7.1	7.1	5.1	5.1	7.1	7.1
3722	100 GPM	43	49	50	51	60	66	66	66	77	83	86	86	94	100	100	100	111	117	117	117	111	117	117	117
	HP	2.4	2.4	3.6	4.4	3.6	3.6	4.4	4.4	4.5	5.6	6.6	6.6	5.4	6.7	6.7	6.7	6.6	8.4	8.4	8.4	6.6	8.4	8.4	8.4
	125 GPM	41	48	50	51	58	65	65	65	75	82	86	86	92	99	99	99	109	116	116	116	109	116	116	116
	HP	3.9	4.2	5.1	5.1	5.3	6.1	6.1	6.1	6.8	7.8	8.6	8.6	8.3	9.9	9.9	9.9	10.2	12.3	12.3	12.3	10.2	12.3	12.3	12.3

Part No.	PORT SIZE	CAPACITY/100 SSU 50 PSI @ 700 RPM	RELIEF VALVE	* MATERIALS SEAL TYPE	SHAFT	BEARINGS	WT. LBS.
RR 3611HB	2" FPT	75 GPM	Not Supplied	Packed Box	1" Steel	Bronze	70
RR 3611HBRV	2" FPT	75 GPM	Built-In	Packed Box	1" Steel	Bronze	80
RR 3617HBRV	2" FPT	98 GPM	Built-In	Packed Box	1" Steel	Bronze	90
RR 3622HBRV	** 3" FPT	151 GPM	Built-In	Packed Box	1" Steel	Bronze	140

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ROPER Pump Units

Roper Pumps are available as a complete base mounted unit in belt drive and gear reduction drive. Base plates, shaft guards and belt guards are heavy duty steel. Motors are totally enclosed, 1 or 3 Phase and can be equipped with variable speed drives. Custom built models with other options also available. **NOTE:** Standard units are mounted on stationary base. Units shown INTENDED for oils to 30 wt. at 70° F. Contact our Engineering Department for extra HP for more viscous products. "RV" = Relief Valve.

ELECTRIC MOTOR BELT DRIVE UNITS

Part No.	MOTOR	PUMP NO.	GPM @ RPM	Wt.
DU RPU31	* 3 HP 1-Ph	3611HBRV	48 @ 460	312 lbs.
DU RPU32	* 3 HP 1-Ph	3611HB	48 @ 460	290 lbs.
DU RPU33	* 3 HP 3-Ph	3611HBRV	48 @ 460	270 lbs.
DU RPU34	* 3 HP 3-Ph	3611HB	48 @ 460	260 lbs.
DU RPU315	** 5 HP 1-Ph	3611HBRV	48 @ 460	325 lbs.
DU RPU335	** 5 HP 3-Ph	3611HBRV	48 @ 460	325 lbs.
DU RPU51	5 HP 1-Ph	3617HBRV	78 @ 460	325 lbs.
DU RPU53	5 HP 3-Ph	3617HBRV	78 @ 460	315 lbs.
DU RPU71	7.5 HP 1-Ph	3617HBRV	78 @ 460	430 lbs.
DU RPU73	7.5 HP 3-Ph	3617HBRV	78 @ 460	430 lbs.
DU RPU103	10 HP 3-Ph	3622HBRV	120 @ 540	420 lbs.

* 3 HP Units Suitable for 30 Wt. Oil at 70° F. ** These 5 HP Units Suitable for 30 Wt. Oils at 30° F.

GAS ENGINE BELT DRIVEN UNITS

Part No.	MOTOR	PUMP NO.	GPM @ RPM	Wt.
DU RPU5G-H	5.5 HP Honda	3611HBRV	42 @ 400	245 lbs.
DU RPU8GH	8 HP Honda	3617HBRV	90 @ 530	325 lbs.
DU RPU13GH	13 HP Honda	3622HBRV	116 @ 530	420 lbs.

GEAR REDUCTION UNITS with ELECTRIC DRIVE

Part No.	MOTOR	PUMP NO.	GPM @ RPM	Wt.
DU RPU73GHD	7.5 HP 3-Ph	3617GHBFRV	92 @ 540	-
DU RPU103GHD	10 HP 3-Ph	3622GHBFRV	120 @ 540	570 lbs.

Electric Drive Units are Available In Direct Drive for Use with Motor Speed Controls — Call for Pricing!



Electric Belt Drive Models (shown with optional 3" bolt-on flanges)



Gas Engine Driven Models



Gear Reduction Models with Electric Motor Drive