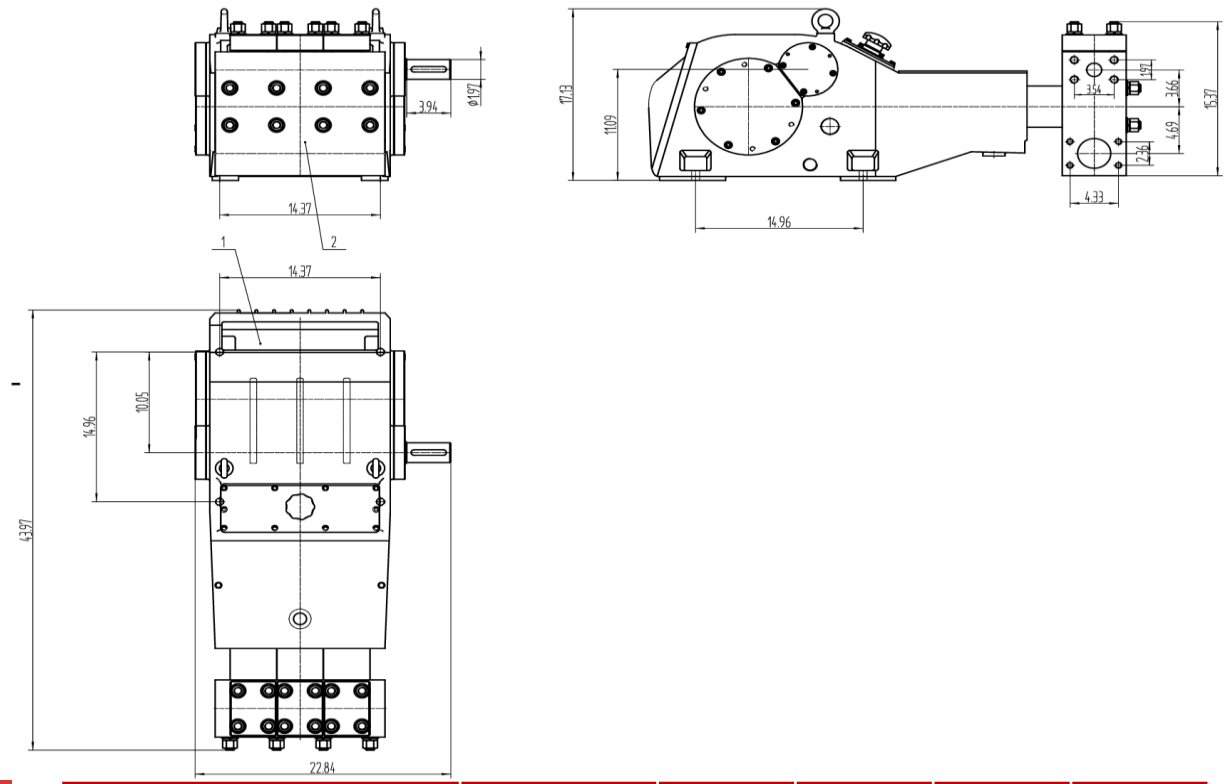
Reciprocating Plunger Pumps

TRIPLEX

AT-90M (12.48~128.19 GPM)

Technical specification data	
Maximum input horsepower rating	139.70
Pump speed	469
Stroke length	3.54"
Maximum plunger size	2.75"
Fluid end working pressure rating	9,046 Psi
Discharge connection size	≤ 2.25"
Suction connection size	≤ 3.75"
Crankcase oil capacity	4.97 Gallons
Standard gear ratio	4.00: 1
Optional gear ratio	3.15789: 1
Pump weight complete (Less skid)	1,179 Lbs
Overall dimensions (L x W x H)	42.13" X 22.91" X 15.75"



Features

- Deliver high pressure with minimal energy consumption.
- Designed to handle extreme pressures while maintaining stable flow rates.
- Flexible design options to meet various application requirements.
- Compact pump package designs allow for easy installation in limited spaces.
- Pumps can be configured to handle harsh or abrasive media like saline water, chemical fluids, or radioactive liquids with appropriate material selection.
- Engineered for quiet operation.

AT-90M 3.54" Stroke Triplex		Strokes Per Min.	248	314	370	469
		Input HP*	73.87	95.53	110.21	139.70
Plunger Size	Nominal Pressure (PSI)	Output Gal/Rev	Output – Gallons Per Minute**			
2.75"	1,665.61	0.273	67.78	85.82	101.13	128.19
2.50"	2,015.38	0.226	56.02	70.93	83.58	105.94
2.25"	2,488.13	0.183	45.38	57.45	67.70	85.81
2.00"	3,149.03	0.145	35.85	45.39	53.49	67.80
1.75"	4,113.02	0.111	27.45	34.75	40.95	51.91
1.50"	5,598.28	0.081	20.17	25.53	30.09	38.14
1.25"	8,061.53	0.056	14.00	17.73	20.89	26.49
1.18"	9,046.35	0.050	12.48	15.80	18.62	23.60

*Based on 87.4% mechanical efficiency, **Based on 100% volumetric efficiency.

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