

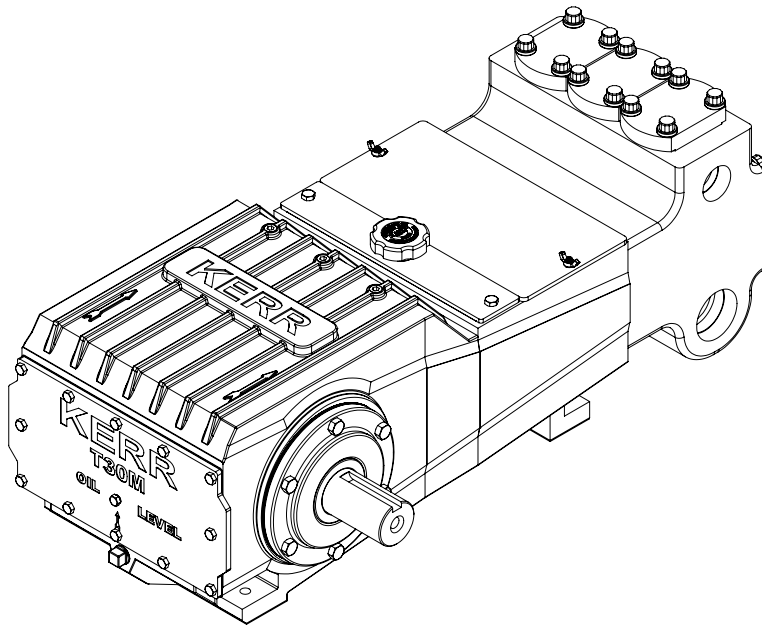
KERR

PUMPS

T30MM

50.9 BHP Triplex Plunger Pump

Intermittent Duty



SPECIFICATIONS

Configuration	Horizontal Triplex Plunger
Number of Plungers	3
Stroke Length	3.000" / 76.2 mm
Frame Load Rating	4,288 lbs
Fluid Cylinder Pressure Rating	3,600 PSI
Pump Weight (Avg.)	390 lbs / 180 kilos
Kerr Max Speed	470 RPM
Minimum Speed	100 RPM
Mechanical Efficiency (Bare Shaft)	90%
Lube System (Standard)	Splash- Gravity Feed
Lube System (Optional)	Force Feed
Lube Oil Capacity	5 quarts / 4.73 liters
Lube Oil Type	Petroleum per AGMA 5EP (ISO 220) or Synthetic per SAE 75W-90 (ISO 100)
Connection Sizes	2" NPT Suction 1 1/4" NPT Discharge

FLUID END

Cast Ductile Iron (65-45-12)
Cast Carbon Steel (WCB)
Cast Nickel Aluminium Bronze (955)
Cast Stainless Steel CF8M (316)
Cast Duplex SS CD3MN (2205)
Forged Carbon Steel (A105)
Forged Stainless Steel (316)

VALVES

DISC TYPE / SEAT (MAX. 2,160 PSI)	WING GUIDED
Delrin Disc / SS (316)	Ni-Al-Brz (955) / Metal-to-Metal
Delrin / Ni-Al-Brz (955)	Monel / Metal-to-Metal
Delrin / Duplex SS (CD4MCU)	SS (316) / Metal-to-Metal
SS (316) / SS (316)	17-4 HT Metal-to-Metal
Titanium / SS (316)	SS (316) / AR Urethane Inserted
PEEK / SS (316)	17-4 HT / AR Urethane Inserted

PLUNGERS

Colmonoy 730 Hard Coat
Solid Ceramic (2,160 Max. PSI)
Kerramic (Ceramic) Coated
Solid 316 Stainless Steel

* Consult Factory for Authorized Drawings for Dimensions

1) Displacement is based on 100% Volumetric Efficiency (VE)

2) Consult factory for operating speeds above maximum shown

3) 1 US gallon = 3.78541 liters

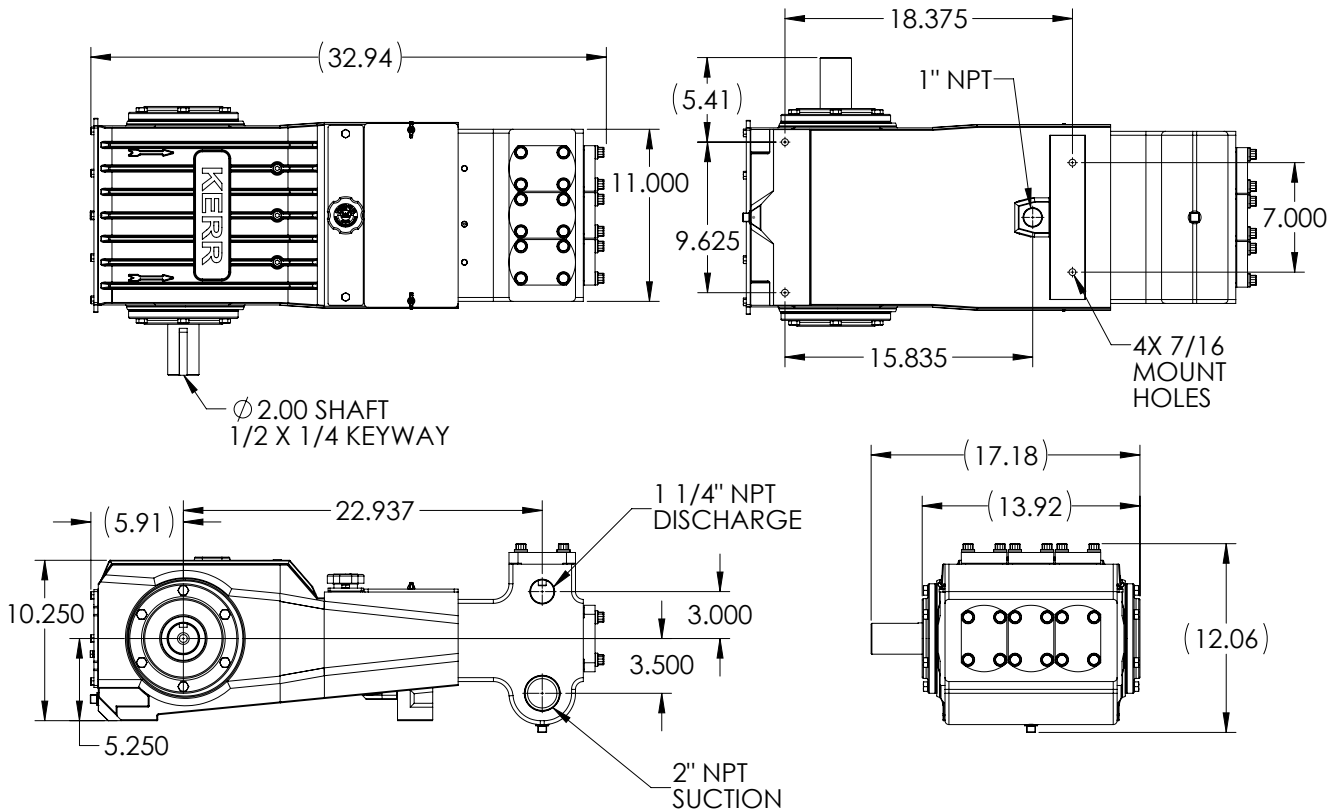
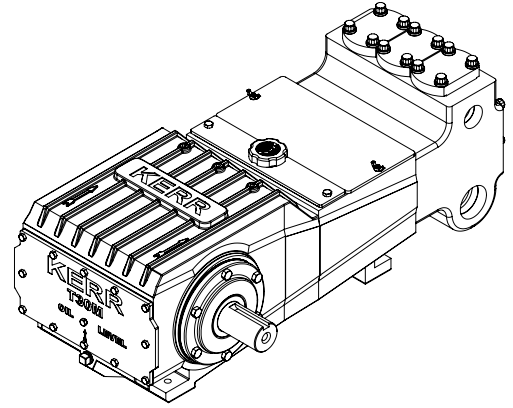
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PLGR DIA. INCHES	MAX PRESS PSI	DISP GAL PER REV	DISPLACEMENT																	
			100 RPM		150 RPM		200 RPM		250 RPM		300 RPM		350 RPM		400 RPM		435 RPM		470 RPM	
			GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
1.000	3600	0.0306	3.1	105	4.6	157	6.1	210	7.6	262	9.2	315	10.7	367	12.2	420	13.3	457	14.4	493
1.250	3494	0.0478	4.8	164	7.2	246	9.6	328	12.0	410	14.3	492	16.7	574	19.1	656	20.8	713	22.5	771
1.500	2426	0.0688	6.9	236	10.3	354	13.8	472	17.2	590	20.7	708	24.1	827	27.5	945	29.9	1027	32.4	1110
1.750	1783	0.0937	9.4	321	14.1	482	18.7	643	23.4	804	28.1	964	32.8	1125	37.5	1286	40.8	1398	44.0	1511
2.000	1365	0.1224	12.2	420	18.4	630	24.5	840	30.6	1050	36.7	1259	42.8	1469	49.0	1679	53.2	1826	57.5	1973

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