

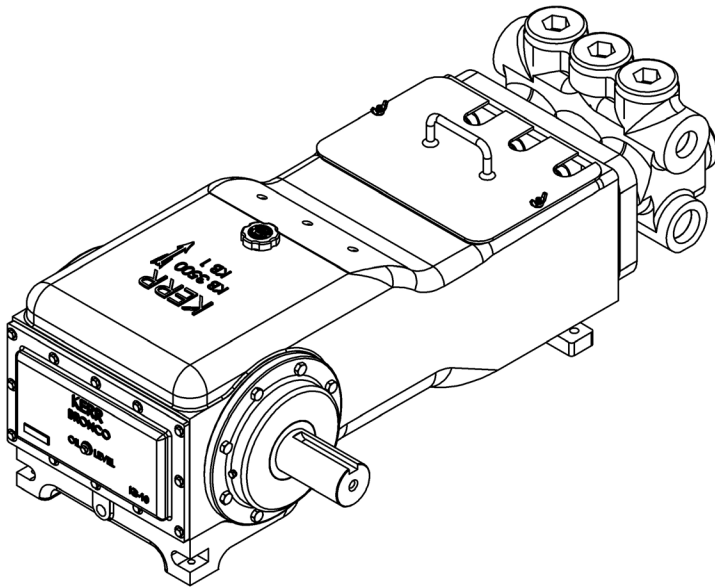
KERR

PUMPS

KB-3500

73.1 BHP Triplex Plunger Pump

Intermittent Duty



KB-3500 RH

VALVES

DISC TYPE	WING GUIDED
Delrin Disc / SS (316)	Ni-Al-Brz (855) / Metal-to-Metal
Delrin / Ni-Al-Brz (955)	Monel (955) / Metal-to-Metal
Delrin / Duplex SS (CD-4MCU)	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

SPECIFICATIONS

Configuration	Horizontal Triplex Plunger
Number of Plungers	3
Stroke Length	5" / 127 mm
Frame Load Rating	4,512.5 lbs
Fluid Cylinder Pressure Rating	3,600 PSI
Pump Weight (Avg.)	1,500 lbs / 682 kilos
Kerr Max Speed	385 RPM
Minimum Speed	100 RPM
Mechanical Efficiency (Bare Shaft)	90%
Lube System (Standard)	Splash - Gravity Feed
Lube System (Optional)	Force Feed
Lube Oil Capacity	20 quarts / 18.93 liters
Lube Oil Type	Petroleum per AGMA SEP (ISO 220) or Synthetic per SAE 75W-90 (ISO 100)
Connection Sizes	2" NPT Suction 1 1/2" NPT Discharge

FLUID END

Cast Ductile Iron
Cast Carbon Steel
Cast Nickel Aluminum Bronze 955
Cast Stainless Steel CF8M (316)
Cast Duplex SS CD3MN (2205)
Forged Carbon Steel A105
Forged Stainless Steel 316

PLUNGERS

Colmonoy 730 Hard Coat
Solid Ceramic
Kerramic (Ceramic) Coated
Solid 316 Stainless Steel

* Consult Factory for Authorized Drawings for Dimensions ~ Threaded or Flanged Connections Available

* Flanges Available Only With Steel or Stainless Steel Fluid Ends

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

2) BHP / KW is based on 90% Mechanical Efficiency (ME)

3) Consult factory for operating speeds above maximum shown

4) 1 US gallon = 3.78541 liters

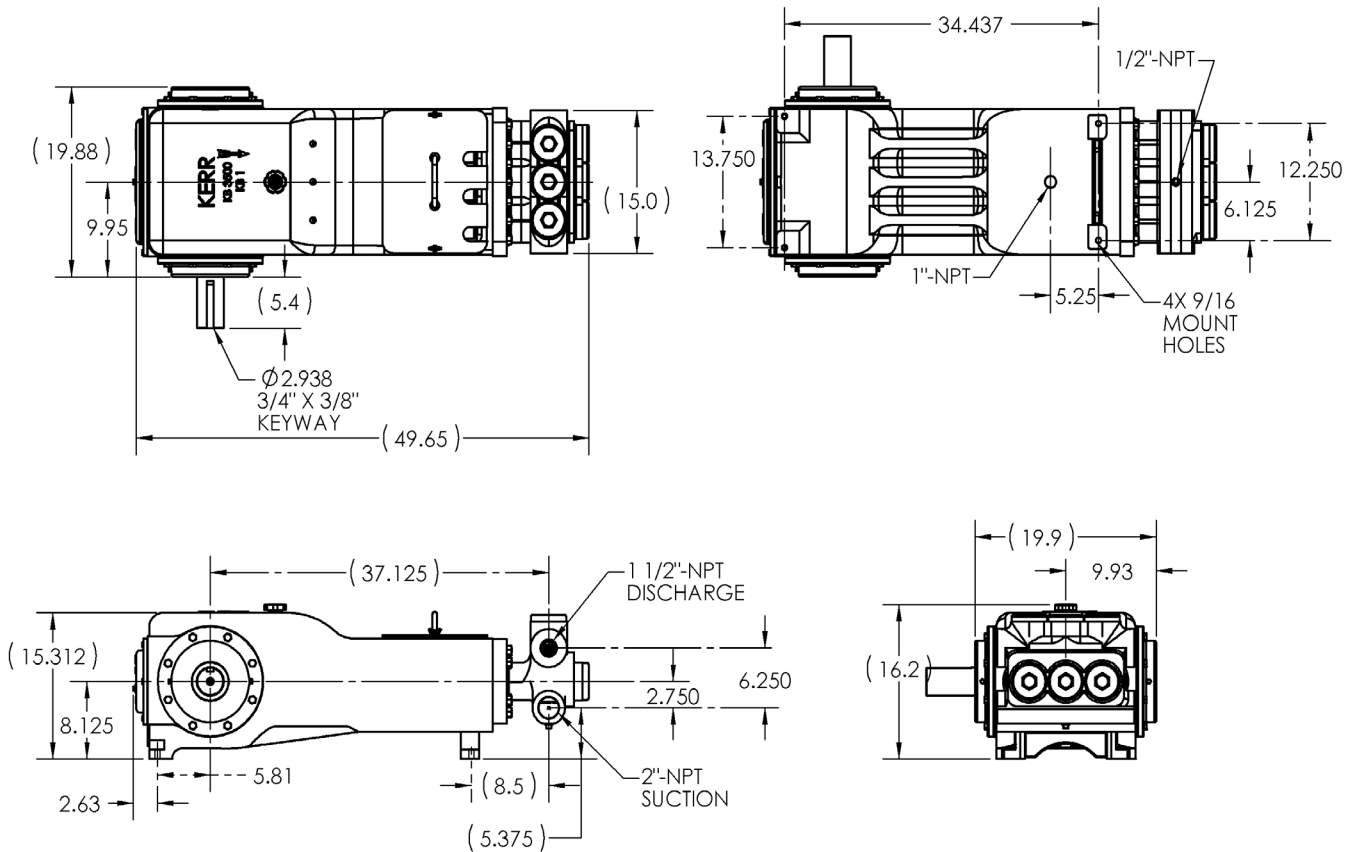
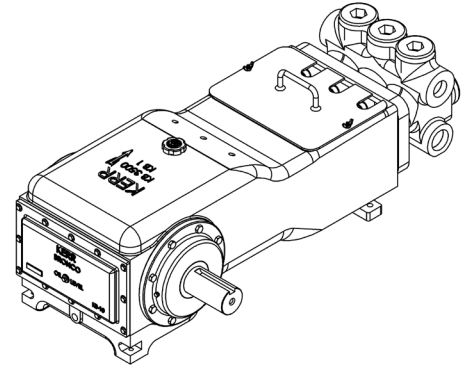
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PLGR DIA. INCHES	MAX PRESS PSI	DISP GAL PER REV	DISPLACEMENT																	
			100 RPM		140 RPM		175 RPM		210 RPM		245 RPM		280 RPM		315 RPM		350 RPM		385 RPM	
			GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
1.500	2554	0.1147	11.5	394	16.1	551	20.1	689	24.1	827	28.1	964	32.1	1102	36.1	1240	40.2	1378	44.2	1515
1.750	1876	0.1562	15.6	536	21.9	750	27.3	938	32.8	1125	38.3	1313	43.7	1500	49.2	1688	54.7	1875	60.1	2063
2.000	1436	0.2040	20.4	700	28.6	980	35.7	1225	42.8	1469	50.0	1714	57.1	1959	64.3	2204	71.4	2449	78.5	2694

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