

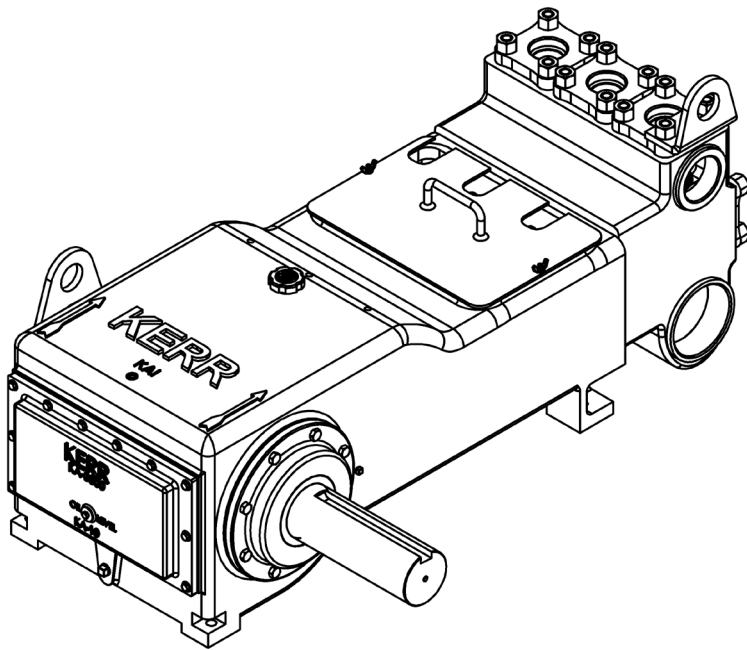
KERR

PUMPS

KA-3500

140 BHP Triplex Plunger Pump

Intermittent Duty



KA-3500RH

SPECIFICATIONS

Configuration	Horizontal Triplex Plunger
Number of Plungers	3
Stroke Length	5" / 127 mm
Frame Load Rating	8,665 lbs
Fluid Cylinder Pressure Rating	2,160 PSI
Pump Weight (Avg.)	1,900 lbs / 864 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	24 quarts / 22.75 liters
Lube Oil Type	Petroleum per AGMA 5EP (ISO 220) or Synthetic per SAE 75W-90 (ISO 100)
Connection Sizes	4" NPT Suction 3" 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

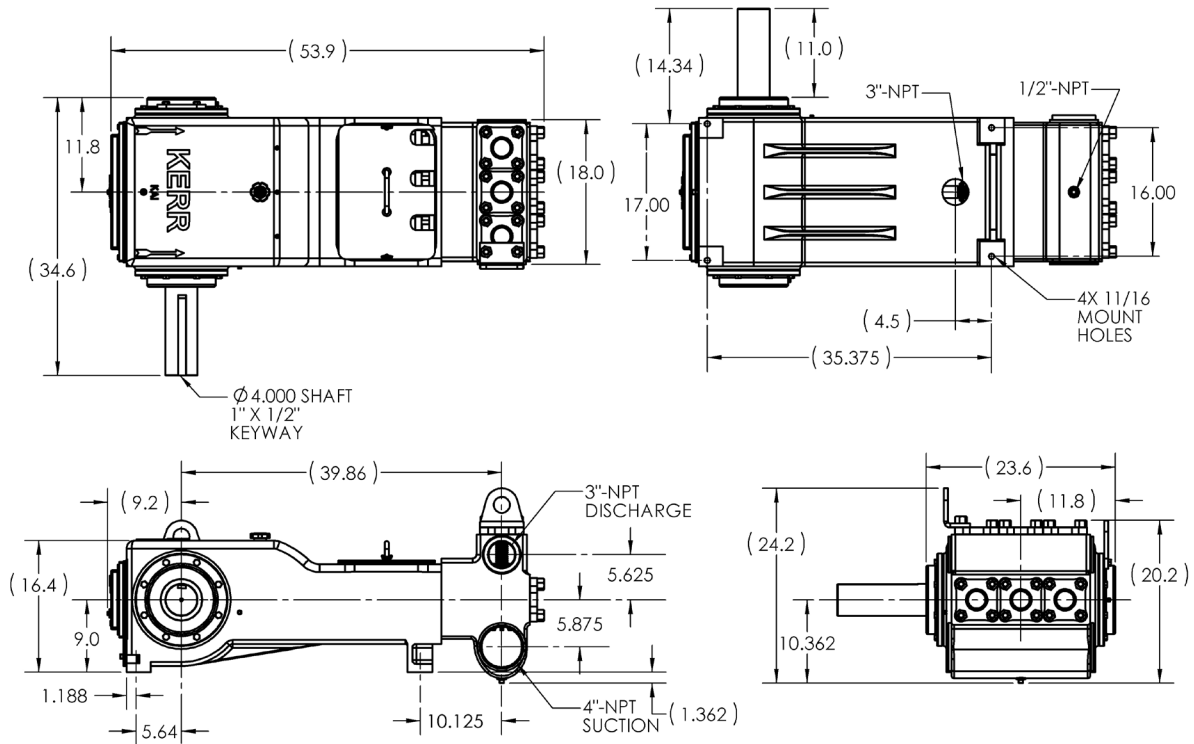
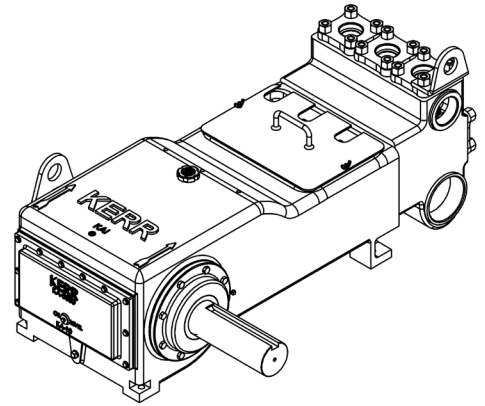
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GENERAL DIMENSIONS FOR KA-3500 RH

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
2.250	2160	0.2582	25.8	886	36.1	1240	45.2	1550	54.2	1860	63.3	2170	72.3	2480	81.3	2790	90.4	3100	99	3409
2.500	1765	0.3187	31.9	1093	44.6	1531	55.8	1913	66.9	2296	78.1	2679	89.2	3061	100	3444	112	3827	123	4209
2.750	1458	0.3857	38.6	1323	54.0	1852	67.5	2315	81.0	2778	94.5	3241	108	3704	121	4167	135	4630	148	5093
3.000	1225	0.4590	45.9	1574	64.3	2204	80.3	2755	96.4	3306	112	3857	129	4408	145	4959	161	5510	177	6061
3.250	1044	0.5387	53.9	1848	75.4	2587	94.3	3233	113	3880	132	4527	151	5174	170	5820	189	6467	207	7114
3.500	900	0.6247	62.5	2143	87.5	3000	109	3750	131	4500	153	5250	175	6000	197	6750	219	7500	N / A	

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