

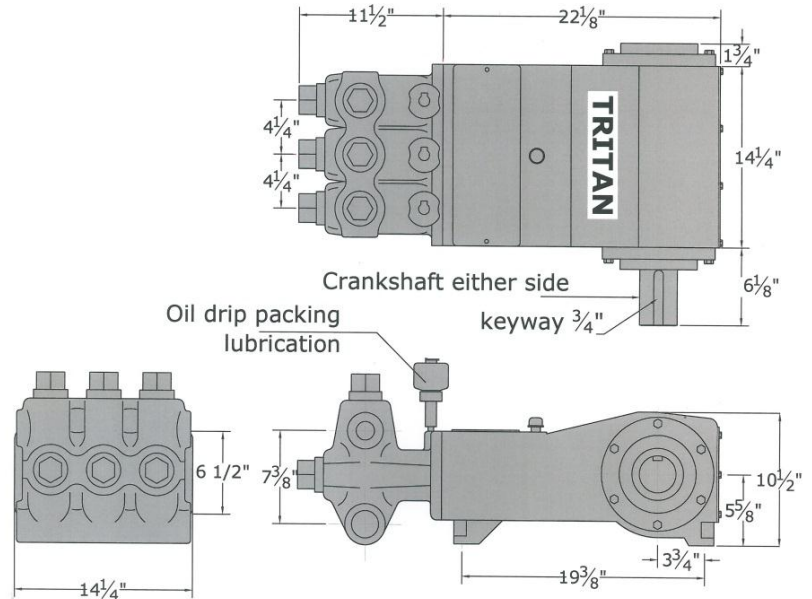
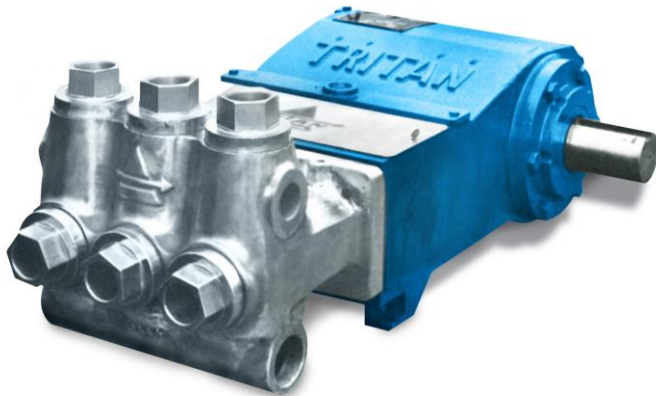


**McFarland – TriTan, LLC**  
 The “High Pressure” Specialists!

**Series 3085 AB/DI/SS**

**Triplex Plunger Pumps**

**Pressure to 5,000 PSI | Flow to 115 GPM | Power to 85 HP**



DISPLACEMENT VOLUME (100% VOL.EFF.)			PUMP SPEED IN CRANKSHAFT REVOLUTIONS PER MINUTE								
			1" 5,000 PSI	1-1/4" 4,500 PSI	1-1/2" 4,130 PSI	1-3/4" 2,960 PSI	2" 2,260 PSI	2-1/4" 2,000 PSI	2-1/2" 1,440 PSI		3" 1,000 PSI
GPM	BPH	BPD									
2	3	67	78	50							
5	7	168	196	125	87	64					
8	11	268	314	201	139	102	78	62	50		
10	14	336	392	251	174	128	98	77	62		
12	17	403	500	301	209	154	118	93	75	52	
20	28	672		500	348	256	196	155	125	87	
24	34	806			418	307	235	186	150	104	
28	39	940			500	358	274	217	175	122	
39	55	1,310				500	382	302	245	170	
45	63	1,512					441	349	282	196	
51	71	1,714					500	395	320	222	
56	78	1,882						434	351	244	
60	84	2,016						465	376	261	
64	90	2,150						500	401	278	
73	102	2,452							458	318	
80	112	2,688							500	348	
100	114	3,360								485	
115	161	3,864								500	
<b>GPM FACTOR</b>			0.0255	0.0398	0.0574	0.0781	0.1020	0.1291	0.1594	0.2295	
<b>BPH FACTOR</b>			0.0364	0.0569	0.0820	0.1116	0.1457	0.1844	0.2277	0.3279	
			500 Max RPM		BHP=(GPM XPSI) / 1543						
			All figures based on 100% volumetric efficiency								

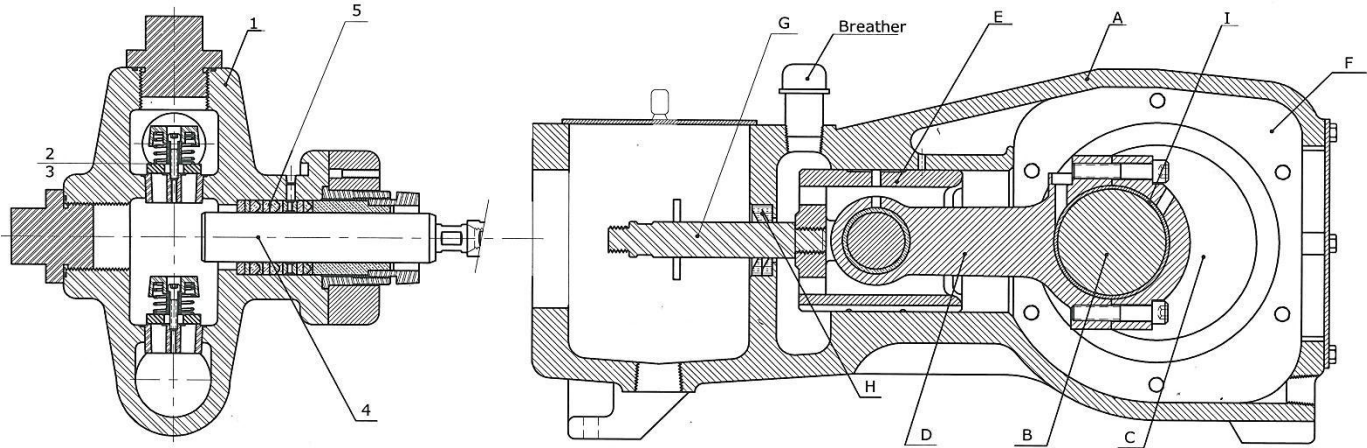
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Email: sales@tritanpump.com

www.tritanpump.com

# Series 3085 AB/DI/SS



## SPECIFICATIONS

- \* Number of Plungers 3
- \* Stroke Length: 2-1/2" (63.5 mm)
- \* Plunger Load 7960 lbs
- \* Pump Weight 585 lbs
- \* Oil Capacity 1 U.S gallons
- \* Suction Connection 2" NPT
- \* Discharge Connection 1 -1/4"

## FLUID END

- 1) Fluid End Body:** One piece cast ductile iron or Aluminum Bronze.
- 2) Valves:**
  - A- CELCON Valve-Bronze seat or
  - B- CELCON Valve- stainless steel seat.
  - C- Hardened stainless steel valve & seat.
- 3) Tapered seated valve decks.**
- 4) Plungers:** Plunger materials available are: colmonoy coated stainless steel, ceramic, and tungsten carbide.
- 5) Packing Selection:** For various fluids

### Services:

- \* Crude Oil
- \* Fresh Water
- \* Salt Water
- \* Corrosive Fluids

## POWER END

- A) Power Frame:** High strength gray iron alloy casting with heavy wall sections well ribbed to insure rigid construction, totally enclosed with sealed access cover
- B) Crankshaft:** Ductile iron for inherent shock load damping, mounted with center line of shaft on center line of cross-head. Crankshafts may extend from either side.
- C) Crankshaft Bearings:** Interchangeable heavy duty roller bearing. Minimum L-10 rated life of 60,000 hours at maximum RPM.
- D) Connecting Rods:** All TriTan plunger pumps are equipped with H-type connecting rods, with replaceable inserts.
- E) Crossheads:** High strength alloy castings, cross head and guides are Cylindrical for maximum bearing area and alignment, Crosshead pins are hardened and ground steel.
- F) Lubrication:** All power end parts are lubricated by splash system from oil in crankcase reservoir. Power frame has an oil return channel, from front of crossheads back to crankcase, to permit constant circulation of oil and to help keep oil cool.
- G) Pony Rods:** Pony rods are polished stainless steel, independent-not part of crosshead or plunger.
- H) Pony Rod Seal:** Double acting lip seals around pony rod-prevents oil leakage from the inside and precludes contamination entering from the outside.
- I) Connecting Rod Bearings:** Similar to those in finest diesel Engine for shock resistance and long wear life.



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