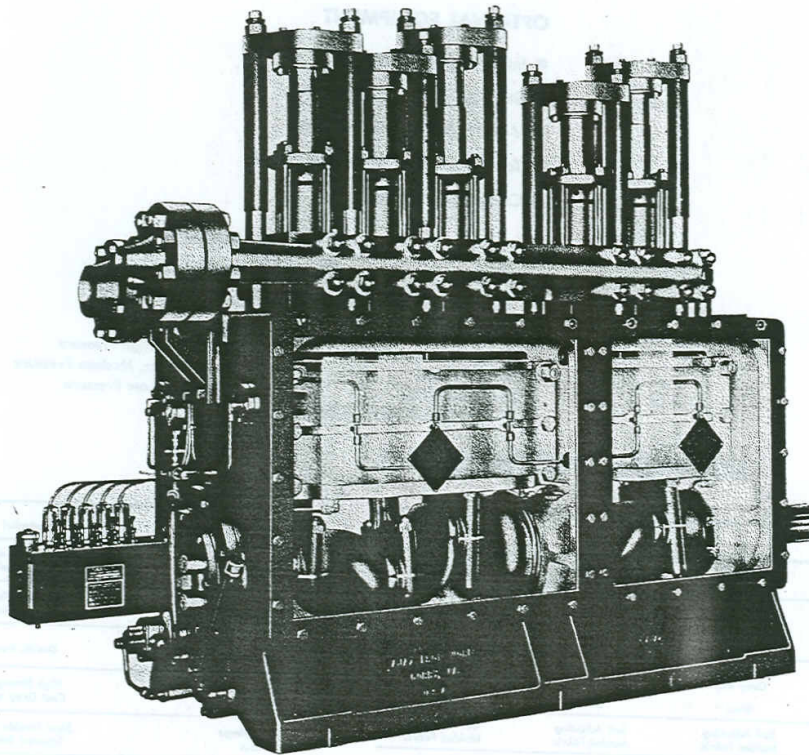




GARDNER-DENVER

VERTICAL QUINTUPLEX PLUNGER PUMP Q-600 600 Horsepower—6" Stroke

BULLETIN 07-02-203
1st Edition



SPECIFICATIONS

Maximum BHP: 600
Maximum RPM: 327
No. of Plungers: 5
Stroke Length: 6"
Plunger Load: 21800 lbs. (9888 kg)
Oil Capacity: 45 gal. (170 liters)
Pump Weight: 15,000 lbs. (6804 kg)
Discharge Hydrostatic
Test Pressure P.S.I.: LP-5100
MP-7500
HP-7500

Connections:

LP: 8"—150#
Suction: MP: 6"—150#
HP: 6"—150#
LP: 6" Sch 160 Pipe
Discharge: MP: 4" XX Pipe
HP: 3" XX Pipe

Crankshaft Extension:

Diameter: 7"
Length: 8"
Keyway (L x W x H): 7/4 x 1 1/4 x 1 1/4

SIZE AND RATINGS

Plunger Size		Maximum Pressure		Displacement per Revolution		Barrels Per Day, Gallons Per Minute at Pump Speed											
						100		150		200		250		300		327	
in.	mm	PSI	Kg/cm ²	Gal.	Liters	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
SMALL																	
2 3/8	60	4925	346	.575	2.177	1990	58	2950	86	3945	115	4940	144	5900	172	6445	188
2 1/2	64	4450	313	.637	2.411	2195	64	3295	96	4360	127	5455	159	6555	191	7145	209
2 5/8	67	4040	284	.703	2.661	2400	70	3600	105	4840	141	6040	176	7240	211	7885	230
MEDIUM																	
2 5/8	67	4040	284	.703	2.661	2400	70	3600	105	4840	141	6040	176	7240	211	7885	230
2 3/4	70	3670	258	.771	2.919	2640	77	3980	116	5285	154	6620	193	7925	231	8645	253
2 7/8	73	3365	237	.843	3.191	2880	84	4320	126	5800	169	7240	211	8680	253	9455	276
LARGE																	
2 7/8	73	3365	237	.843	3.191	2880	84	4320	126	5800	169	7240	211	8680	253	9455	276
3	76	3085	217	.918	3.475	3155	92	4735	138	6310	184	7855	229	9435	275	10295	301
3 1/8	79	2850	200	.996	3.770	3430	100	5145	150	6860	200	8540	249	10255	299	11170	326
3 1/4	83	2630	185	1.077	4.077	3705	108	5560	162	7375	215	9230	269	11080	323	12075	353
3 3/8	86	2435	171	1.162	4.399	3980	116	5970	174	7960	232	9950	290	11970	349	13030	380
3 1/2	89	2270	160	1.249	4.728	4290	125	6415	187	8575	250	10705	312	12865	375	14005	409
3 5/8	92	2115	149	1.340	5.072	4600	134	6895	201	9195	268	11490	335	13790	402	15025	439
3 3/4	95	1975	139	1.434	5.428	4905	143	7375	215	9845	287	12280	358	14750	430	16080	469

Based on 90% mechanical efficiency and 100% volumetric efficiency.

Specifications subject to change without notice.



GARDNER-DENVER

VERTICAL, QUINTUPLEX PLUNGER PUMP Q-600 600 Horsepower—6" Stroke

STANDARD EQUIPMENT

- Stainless steel lubrication lines.
- Plunger hood.
- Self-adjusting (spring-loaded) packing.
- Synchro load control.
- Gear boxes.
- Ceramic plungers of selected sizes.
- Delrin disc type valves.
- Forged steel fluid end.
- Flanged suction & discharge openings.
- Mechanical plunger lubricator.

OPTIONAL EQUIPMENT

- Integral gear reducer.
- Stainless steel or monel valves.
- V-Belt drive for electric motor.
- Totally enclosed metal belt guard.
- Companion flanges.

Nomenclature

Q — 600 — B S

TRIPLEX RATED HORSEPOWER

FLUID END MATERIAL

B—All Aluminum Bronze
F—All Ferrous
C—Combination
H—Hydraulic Power Oil Service

FLUID END SIZE

S—Small, High Pressure
M—Medium, Medium Pressure
L—Large, Low Pressure

MATERIAL SPECIFICATIONS

FLUID END

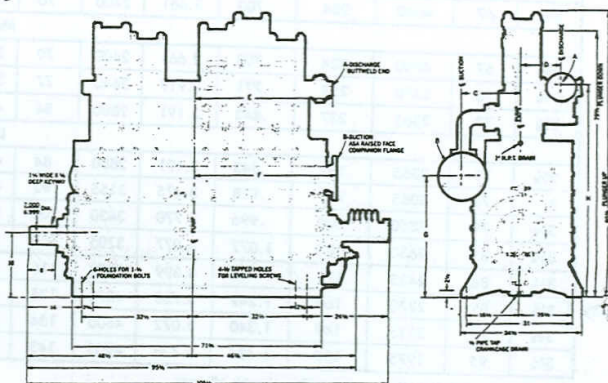
	B	F	C	H
Cylinder Block	ASTM B-148-9D Forged Ni-Al-Bronze	SAE 1035 Forged Steel	ASTM B-148-9D Forged Ni-Al-Bronze	SAE 1035 Forged Steel
Discharge Blocks	ASTM B-148-9C Aluminum Bronze	Ductile Iron	Ductile Iron	Ductile Iron
Discharge Header	Steel	Steel	Steel	Steel
Suction Risers	ASTM B-148-9C Aluminum Bronze	High Strength Gray Iron	High Strength Gray Iron	High Strength Gray Iron
Suction Header	Steel	Steel	Steel	Steel
Packing	Self Adjusting Molded Fabric	Self Adjusting Molded Fabric	Self Adjusting Molded Fabric	Self Adjusting Molded Fabric
Plunger	Ceramic	Ceramic	Ceramic	Colmonoy
Stuffing Box				
Packing Case	ASTM B-148-9C Aluminum Bronze	Steel or Nodular Iron	ASTM B-148-9C Aluminum Bronze	Steel or Nodular Iron
Valve Disc	Delrin	Delrin	Delrin	Delrin
Seat	ASTM B-150-630 Aluminum Bronze	316 Stainless Steel	ASTM B-150-630 Aluminum Bronze	316 Stainless Steel
Spring	Monel	Monel	Monel	Monel
Cage	ASTM B-148-9C Aluminum Bronze	Ductile Nodular Iron	ASTM B-148-9C Aluminum Bronze	Ductile Nodular Iron

Materials listed are furnished as standard equipment. Alternate materials available upon request.

POWER END

Component	Material
Crankshaft	Forged SAE 4340 Alloy Steel
Connecting Rods	Forged C1045 Carbon Steel
Crosshead	Ductile Iron
Crosshead Guides	High Strength Cast Gray Iron
Bearings Main	Steel Double Row Tapered Roller
Bearing Crank Pin	Bronze Backed Babbitt-Lined
Bearing Crosshead Pin	Bronze
Tie Rods	C1141 Cold Drawn Carbon Steel

Fluid End	A	B	C	D	E	F	G	H
Small	4" 100# 100' 100' 100' 100' 100' 100' 100'	6" 150#	16%	11%	38%	39%	35%	61%
Medium	4" 100# 100' 100' 100' 100' 100' 100'	6" 150#	16%	11%	38%	39%	35%	61%
Large	4" 100# 100' 100' 100' 100' 100' 100'	8" 150#	17%	11%	45%	39%	36%	63%



For additional information contact your local representative or Gardner-Denver Petroleum Equipment
1810 Gardner Expressway, Quincy, IL 62305-4024, (217) 222-5400, Telex 40-4332

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1M-1-86 Litho in U.S.A.



PETROLEUM EQUIPMENT