

PGP600 Series

- Two-piece, interlocking body construction for high efficiency and high pressure
- All cast iron body for durability
- Journal bushings for long life
- Pressure balanced thrust plates for high efficiency
- Multiple sections available



Parker's PGP600 Series fixed displacement gear pump offers high efficiency, high performance and high power density due to its interlocking two-piece cast iron construction.

Applications – Skid Steer Loaders, Combines, Harvesters, Grapples, and other high duty applications

Markets – Agriculture, Construction, Forestry, Material Handling, Turf, Mining, Oil & Gas

PGP610 Frame Size	0070	0100	0140	0160	0180	0210	0230	0260	0280	0320
Displacement – cm ³ /rev (in ³ /rev)	7 (0.43)	10 (0.61)	14 (0.85)	16 (0.98)	18 (1.10)	21 (1.28)	23 (1.40)	26 (1.59)	28 (1.71)	32 (1.95)
Max continuous pressure – bar (psi)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	265 (3,843)	245 (3,553)	235 (3,408)	215 (3,118)	200 (2,901)	175 (2,538)
Max Speed – RPM	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300
Approximate Weight – Lbs. [kg]	13.1 [5.9]	13.6 [6.2]	14.4 [6.5]	14.9 [6.8]	15.0 [6.8]	15.6 [7.1]	15.9 [7.2]	16.2 [7.3]	16.5 [7.5]	17.6 [8.0]

PGP620 Frame Size	0190	0230	0260	0290	0330	0370	0410	0440	0500
Displacement – cm ³ /rev (in ³ /rev)	19 (1.16)	23 (1.40)	26 (1.59)	29 (1.77)	33 (2.01)	37 (2.26)	41 (2.50)	44 (2.68)	50 (3.05)
Max continuous pressure – bar (psi)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	250 (3,626)	220 (3,191)	210 (3,046)	210 (3,046)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	26.7 [12.1]	26.9 [12.2]	27.1 [12.3]	27.8 [12.6]	28.0 [12.7]	28.4 [12.9]	28.7 [13.0]	28.9 [13.1]	29.3 [13.3]

PGP640 Frame Size	0300	0350	0450	0550	0650	0750	0800
Displacement – cm ³ /rev (in ³ /rev)	30 (1.83)	35 (2.14)	45 (2.75)	55 (3.36)	65 (3.97)	75 (4.58)	80 (4.88)
Max continuous pressure – bar (psi)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	235 (3,408)	215 (3,118)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	42.2 [19.1]	45.4 [20.6]	46.7 [21.2]	48.5 [22.0]	49.8 [22.6]	51.4 [23.3]	53.0 [24.0]

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Commerical PGP300 Series

- Three-piece cast iron construction for assembly flexibility
- Balanced thrust plates optimize pump efficiency
- Largest journal bearings available for high pressure and long life
- Multiple sections available



Parker's Commercial Brand PGP300 Series fixed displacement gear pumps offer high pressure durability due to their cast iron construction, making them ideal for high duty cycle mobile applications for the Construction, Forestry, and Oil & Gas markets. The most comprehensive gear pump with flexibility of options in the market place.

Applications – Tire Trucks, Salt and Sand Spreaders, Aerial Lift, Low Boy Trailers, Live (Moving) Floor Truck, Roll Off Trailers

Markets – Construction, Forestry, Material Handling, Agriculture, Mining, Oil & Gas

PGP315 Frame Size	03	05	06	07	08	10	11	12	13	15	16	17	18	20
Displacement – cm ³ /rev (in ³ /rev)	7.6 (0.47)	10.2 (0.62)	12.7 (0.78)	15.2 (0.93)	17.8 (1.09)	20.3 (1.24)	22.9 (1.40)	25.4 (1.55)	27.9 (1.71)	30.5 (1.86)	33.0 (2.02)	35.6 (2.17)	38.1 (2.33)	40.6 (2.48)
Max continuous pressure – bar (psi)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	228 (3,300)	214 (3,100)	200 (2,900)	186 (2,700)	172 (2,500)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	15.5 [7.0]	16.0 [7.2]	16.5 [7.5]	17 [7.7]	17.5 [7.9]	18 [8.2]	18.5 [8.4]	19 [8.6]	19.5 [8.8]	20 [9.1]	20.5 [9.3]	21 [9.5]	21.5 [9.7]	22 [10.0]

PGP330 Frame Size	05	07	10	12	15	17	20
Displacement – cm ³ /rev (in ³ /rev)	16.1 (0.99)	24.2 (1.48)	32.3 (1.97)	40.4 (2.46)	48.4 (2.96)	56.5 (3.45)	64.6 (3.94)
Max continuous pressure – bar (psi)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	224 (3,250)	207 (3,000)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Approximate Weight – Lbs. [kg]	33.6 [15.2]	34.8 [15.8]	36 [16.3]	37.3 [16.9]	38.5 [17.5]	40 [18.1]	41.3 [18.7]

PGP350 Frame Size	05	07	10	12	15	17	20	22	25
Displacement – cm ³ /rev (in ³ /rev)	20.9 (1.28)	31.3 (1.91)	41.8 (2.55)	52.2 (3.19)	62.7 (3.83)	73.1 (4.46)	83.6 (5.10)	94.0 (5.74)	104.5 (6.38)
Max continuous pressure – bar (psi)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	224 (3,250)	207 (3,000)	190 (2,750)	172 (2,500)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	48 [21.8]	49.5 [22.4]	51 [23.1]	52.5 [23.8]	54.0 [24.5]	55.5 [25.2]	57.0 [25.9]	58.5 [26.5]	60.0 [27.2]

PGP365 Frame Size	07	10	12	15	17	20	22	25
Displacement – cm ³ /rev (in ³ /rev)	44.3 (2.70)	59.0 (3.60)	73.8 (4.50)	88.5 (5.40)	103.3 (6.30)	118.0 (7.20)	132.8 (8.10)	147.5 (9.00)
Max continuous pressure – bar (psi)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	241 (3,500)	224 (3,250)	207 (3,000)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	53.5 [24.3]	56 [25.4]	58.5 [26.5]	61.0 [27.7]	63.5 [28.8]	66.0 [30]	68.5 [31.1]	71.0 [32.2]

WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

PGP130 Series

- Three-piece cast iron construction
- Bushing style balanced pressure plate design
- Compact design for reduced space claim
- Multiple sections available



Parker's PGP130 Series Ultra Compact fixed displacement gear pumps offer high power density due to their compact, cast iron construction, making them ideal for mobile applications for the Mini-construction, Forestry, and Truck markets.

Applications – Skid Steer Loaders, Tire Trucks, Salt and Sand Spreaders, Aerial Lifts

Markets – Mini-construction, Forestry, Material Handling, Agriculture, Truck

PGP130 Frame Size	7	10	13	17	19	23	27	29	32	36	38	41	44	51
Displacement – cm ³ /rev (in ³ /rev)	7.21 (0.44)	9.71 (0.59)	12.85 (0.78)	17.31 (1.06)	19.41 (1.18)	22.95 (1.40)	27.54 (1.68)	29.64 (1.81)	32.66 (1.99)	36.72 (2.24)	38.82 (2.37)	41.84 (2.55)	44.99 (2.75)	52.07 (3.18)
Max continuous pressure – bar (psi)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	275 (3,988)	240 (3,480)	230 (3,335)	210 (3,045)	190 (2,755)	170 (2,465)
Max Speed – RPM	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,750	2,750	2,600	2,500	2,000
Approximate Weight – Lbs. [kg]	19.2 [8.7]	19.4 [8.8]	19.8 [9.0]	20.3 [9.2]	20.7 [9.4]	21.6 [9.8]	22.3 [10.1]	22.5 [10.2]	22.9 [10.4]	23.4 [10.6]	23.6 [10.7]	24.0 [10.9]	24.5 [11.1]	25.1 [11.4]

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P16 Series (Iron Body / Aluminum Covers)

- Three-piece construction
- Cast iron pumping sections for durability
- Aluminum cover plate and flange for excellent power to weight ratio
- Journal bearings for long life
- Pressure balanced plates for greater efficiency



Parker's P16 fixed displacement gear pump offers a combination of high performance and light weight due to combining a rugged cast iron pumping section with aluminum flange and port end covers. This construction makes the P16 an ideal selection for the Mobile and Truck markets. It's available as a single or tandem pump with options for priority flow or relief valves. A clutch pump option is also available.

Applications – Power steering pumps – priority valves available, Dump Beds, Salt and Sand Spreaders, Aerial Lifts, Low Boy Trailers

Markets – Vocational & Municipal, Construction, Material Handling

P16 Frame Size	45	65	85	100	115	150	180	200
Displacement – cm ³ /rev (in ³ /rev)	14.388 (0.878)	20.812 (1.270)	27.252 (1.663)	32.184 (1.964)	36.723 (2.241)	48.080 (2.934)	57.535 (3.511)	63.942 (3.902)
Max continuous pressure – bar (psi)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	152 (2,200)	138 (2,000)
Max Speed – RPM	3,600	3,600	3,400	3,300	3,100	2,800	2,500	2,200
Approximate Weight – Lbs. [kg]	12 [5.5]	13 [5.9]	14 [6.4]	15 [6.8]	16 [7.3]	17 [7.7]	19 [8.6]	20 [9.1]

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Commercial Roller Bearing Series (PGP020, 031, 051, 076)



- Original Commercial pump design
- Three-piece cast iron construction for assembly flexibility
- Durable high-strength cast iron body for excellent power to weight ratio
- Balanced thrust plates optimize pump efficiency
- Roller bearings for durability and resistance to fluid contamination
- Multiple sections available

Parker's Commercial brand roller bearing pump offers high durability & resistance to oil contaminants due to their cast iron, roller bearing construction making them an ideal selection for the Vocational Truck, Winch, and Oil & Gas markets. They are available as single or multi-section pumps.

Applications – Bulk Feeds, Salt and Sand Spreaders, Wreckers, Tire Trucks, Roll Off Trucks, Live (Moving) Floor Trucks, Refuse Trucks, Oil & Gas, Service Trucks

Markets – Vocational Trucks, Mining, Oil & Gas, Construction, Forestry, Material Handling, On-Highway Vehicle

PGP020 Frame Size	05	07	10	12	15	17	20
Displacement – cm ³ /rev (in ³ /rev)	16.1 (0.99)	24.2 (1.48)	32.3 (1.97)	40.4 (2.46)	48.4 (2.96)	56.5 (3.45)	64.6 (3.94)
Max continuous pressure – bar (psi)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	26 [12]	27 [12.5]	28 [13]	29 [13]	31 [14]	33 [15]	34 [15.5]

PGP031 Frame Size	05	07	10	12	15	17	20
Displacement – cm ³ /rev (in ³ /rev)	16.1 (0.99)	24.2 (1.48)	32.3 (1.97)	40.4 (2.46)	48.4 (2.96)	56.5 (3.45)	64.6 (3.94)
Max continuous pressure – bar (psi)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	30 [13.5]	31 [14]	33 [15]	34 [15.5]	35 [16]	36 [16.5]	37 [17]

PGP051 Frame Size	05	07	10	12	15	17	20	22	25
Displacement – cm ³ /rev (in ³ /rev)	1.28 (20.9)	1.91 (31.3)	2.55 (41.8)	3.19 (52.2)	3.83 (62.7)	4.46 (73.1)	5.10 (83.6)	5.74 (94.0)	6.38 (104.5)
Max continuous pressure – bar (psi)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)	172 (2,500)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	34 [15.5]	35.5 [16]	37 [17]	38.5 [17.5]	40 [18]	41.5 [19]	43 [19.5]	48.5 [22]	50 [22.5]

PGP076 Frame Size	7	10	12	15	17	20	22	25	27	30
Displacement – cm ³ /rev (in ³ /rev)	50.4 (3.08)	67.2 (4.10)	84.0 (5.13)	100.8 (6.15)	117.6 (7.18)	134.4 (8.20)	151.2 (9.23)	168.0 (10.25)	184.8 (11.28)	201.6 (12.30)
Max continuous pressure – bar (psi)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)	172 (2,500)	138 (2,000)	138 (2,000)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	70 [32]	72 [33]	75 [34]	77 [35]	80 [36]	82 [37]	85 [39]	87 [40]	90 [41]	92 [42]

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Commercial Dump Pump C Series

- Original Commercial dump pump design
- Durable high-strength cast iron body for excellent power to weight ratio
- Cast iron construction for durability
- Balanced thrust plates minimize friction and leakage
- Roller bearings for durability and resistance to fluid contamination



Parker’s Commercial C Series pumps are the most rugged and durable dump pumps available in the market. Comes standard with integrated valve for raising and lowering dump beds, with integral relief valve. C102 for PTO direct mount. C101 for remote mount applications.

Applications – Dump Trucks, Dump Trailers

Markets – Vocational & Municipal

C101 / C102 Frame Size	25
Displacement – cm ³ /rev (in ³ /rev)	104.5 (6.40)
Max continuous pressure – bar (psi)	172 (2,500)
Max Speed – RPM	2,400
Approximate Weight – Lbs. [kg]	71 [32.2]

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Commercial Dump Pump SG Series

- 25% greater flow than G102 2" dump pump
- 20% less weight than the C102 2.5" dump pump
- Large pump valve body flow characteristics
- 4-Bolt B or 4-Bolt DIN flange
- 13T B or 8T DIN shaft
- Pressures to 172 bar (2500 PSI)
- Manual or air shift option



Parker's Commercial brand SG102 Series dump pump is designed to fit where space is limited, but greater flow is still a necessity. The SG102 dump pump utilizes the valve body of the larger frame size C Series dump pump, providing large dump pump flow characteristics for a faster dump cycle time, yielding greater work cycle efficiency.

Excellent for use on dump trucks with automatic transmissions.

Applications – Dump Trucks, Dump Trailers

Markets – Vocational & Municipal

SG102 Frame Size	25
Displacement – cm ³ /rev (in ³ /rev)	104.5 (6.38)
Max continuous pressure – bar (psi)	172 (2,500)
Max Speed – RPM	2,400
Approximate Weight – Lbs. [kg]	56 [25.4]

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Commercial Dump Pump G Series

- Original Commercial dump pump design
- Durable high-strength cast iron body for excellent power to weight ratio
- Cast Iron construction for durability
- Balanced thrust plates minimize friction and leakage
- Roller bearings for durability and resistance to fluid contamination
- More compact design allowing for easier fitment



Parker’s Commercial G Series pumps are the most rugged and durable dump pumps available in the market. Comes standard with integrated valve for raising and lowering dump beds, with integral relief valve. G102 for PTO direct mount. G101 for remote mount applications.

Applications – Dump Trucks, Dump Trailers

Markets – Vocational & Municipal

G101 / G102 Frame Size	20
Displacement – cm ³ /rev (in ³ /rev)	64.6 (3.9)
Max continuous pressure – bar (psi)	172 (2,500)
Max Speed – RPM	2,400
Approximate Weight – Lbs. [kg]	43 [19.5]

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