

PGM600 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 PGM600 Series fixed displacement gear motor offers high efficiency, high performance and high power density due to its interlocking two-piece cast iron construction.

Applications – Fan drive, Excavators, Plow motors, Harvester motors, Sprayer motors, Pump drive

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

PGM610 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]

PGM620 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]

⁽¹⁾ PGM620R Frame Size	0190	0230	0260	0290	0330	0370
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)
Max continuous pressure – bar (psi)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	275 (3,989)	250 (3,626)
Max Speed – RPM	4,000	4,000	4,000	4,000	4,000	4,000
Approximate Weight – Lbs. [kg]	34.7 [15.7]	34.9 [15.8]	35.1 [15.9]	35.8 [16.2]	36.0 [16.3]	36.4 [16.5]

PGM640 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]

⁽¹⁾ The PGM620R specific for reversing fan applications

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



Commercial PGM300 Series

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



Parker's PGM300 Series fixed displacement gear motors 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 motor with flexibility of options in the market place.

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

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

PGM315 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]

PGM330 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]	40.0 [18.1]	41.3 [18.7]

PGM350 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]

PGM365 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

Commercial Roller Bearing Series (PGM020, 031, 051, 076)

- Original Commercial dump motor design
- Three-piece cast iron construction for assembly flexibility
- Balanced thrust plates optimize motor efficiency
- Roller bearings for durability and resistance to fluid contamination
- Multiple sections available



Parker's Commercial brand roller bearing motor offers high durability & resistance to oil contamination 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, two-speed, or winch motors.

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

Markets – Vocational Trucks, Mining, Oil & Gas, Construction, Forestry, Material Handling

PGM020 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]

PGM031 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 [17.0]

PGM051 Frame Size	05	07	10	12	15	17	20	22	25
Displacement – cm ³ /rev (in ³ /rev)	1.28 (20.90)	1.91 (31.30)	2.55 (41.80)	3.19 (52.20)	3.83 (62.70)	4.46 (73.10)	5.10 (83.60)	5.74 (94.00)	6.38 (104.50)
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 [16.0]	37 [17.0]	38.5 [17.5]	40 [18]	41.5 [19]	43 [19.5]	48.5 [22]	50 [22.5]

PGM076 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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