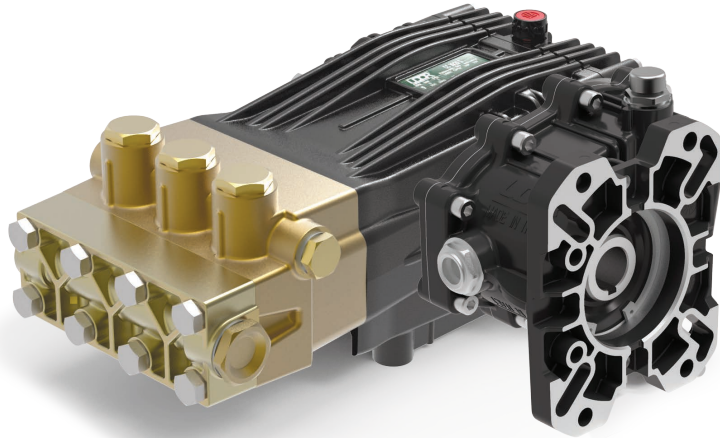


Gear Reduction, Gas Engine Models

1" or 1-1/8" Hollow Shaft, SAE J609-B Flange.
2.2:1 Gear Reduction Drive



- Solid Ceramic Plungers
- Stainless Steel Check Valves
- Heavy Duty Brass Manifold
- Heavy Duty Bronze Connecting Rods
- Deeper Back Cover for Increased Oil Capacity
- 34.5 oz. Capacity Vented Oil Bath Crank Case
- 3/4" BSP-F Inlet. 3/8" BSP-F Outlet
- Max Fluid Temp, 160°F

CXC Series Gas Engine, Gear Reduction Drive Plunger Pumps

CXC Series super duty plunger pumps include a wide range of models with flow rates from 4.0 to 5.8 GPM and pressures up to 7250 PSI.

Other drive options include a 24mm solid, keyed shaft.

Applications include general pressure cleaning,, construction, hydro-excavation and oil field applications.

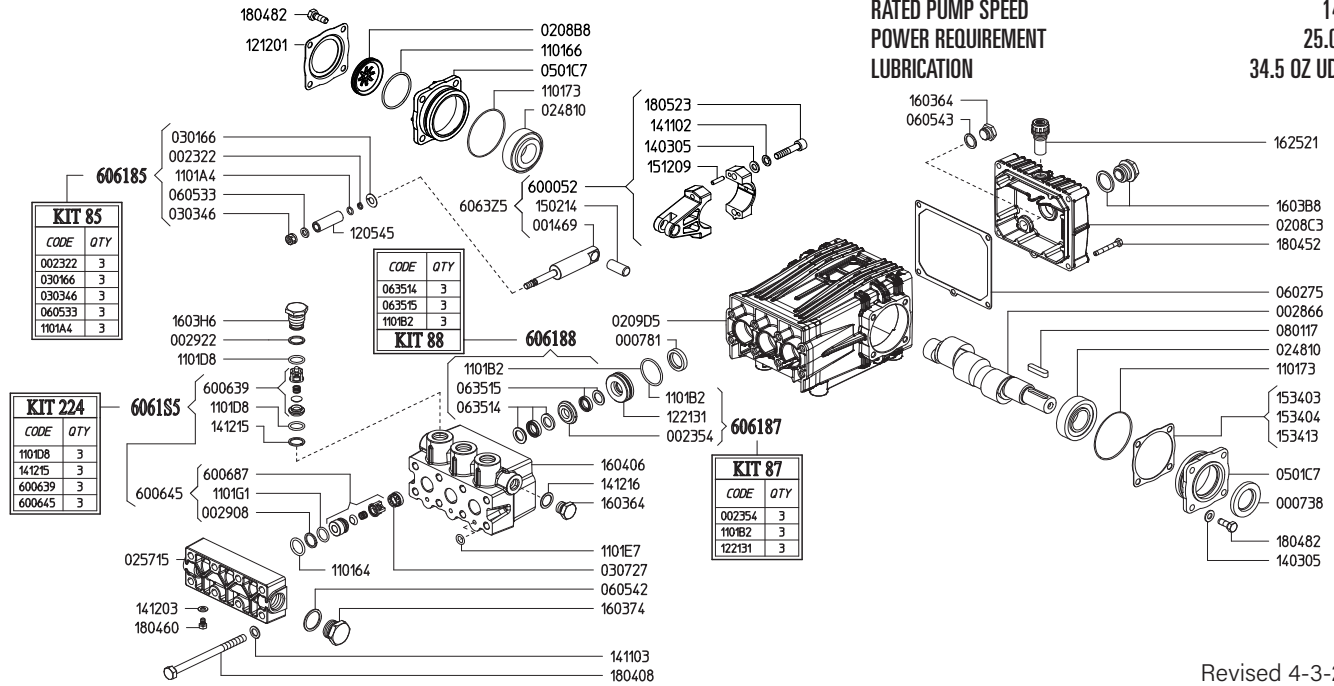
	Model	Flow		Pressure		Plunger Dia.	Crankshaft		Power	Seal Kit	Valve Kit	Wt.
		GPM	l/min	PSI	bar		Stroke	Code				
Gear Reduction	CXC 15/50 GR	4.0	15.0	7250	500	15mm	21.0mm	E	26.0 HP Gas	6061.88	6061.S5	59 lbs
	CXC 18/50 GR	4.8	18.0	7250	500	18mm	17.0mm	Y	32.0 HP Gas	6061.G2	6061.S5	59 lbs
	CXC 22/50 GR	5.8	22.0	7250	500	18mm	21.0mm	E	36.0 HP Gas	6061.G2	6061.S5	59 lbs

NOTE: All models available with 1" or 1-1/8" Hollow Shafts . Specify size when ordering (ex. **CXC 15/50 GR1** or **CXC 15/50 GR1-1/8.**)



MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

4.0 GPM / 15.0 L/MIN
7250 PSI / 500 BAR
1450 RPM
25.0 HP GAS
34.5 OZ UDOR LUBE



Revised 4-3-2026

Part #	Description	Qty	Part #	Description	Qty
0007.38	OIL SEAL D30	1	1221.31	PRESSURE RING D15 ^D	3
0007.81	OIL SEAL D20	3	1403.05	WASHER D8.4	10
0014.69	PLUNGER GUIDE D15 "CX/CH"	3	1411.02	SERRATED WASHER D8	6
0023.22	RING D6.3 ^B	3	1411.03	SERRATED WASHER D10	8
0023.54	UPPER RING D15 ^D	3	1412.03	SERRATED WAHSER D10	1
0028.66	MALE SHAFT "CX" D24	1	1412.15	RING 400BAR ^A	3
0029.08	RING	3	1412.16	BONDED WASHER D17.3	1
0029.22	RING D15.2	3	1502.14	PIN D14X32	3
0208.B8	OIL SIGHT GLASS	1	1512.09	PLUG D5X20 UNI1707	6
0208.C3	BACK COVER "C/CK/CX"	1	1534.03	SHIM 0.1 MM	-
0209.D5	CRANKCASE "C/CK/CH/CX"	1	1534.04	SHIM 0.2 MM	-
0248.10	ROLLER BEARING D30	2	1534.13	SHIM 0.05 MM	-
0257.15	SUCTION MANIFOLD "CX"	1	1603.64	PLUG G3/8	2
0301.66	SLINGER RING ^B	3	1603.74	PLUG G3/4	1
0303.46	NUT D15 ^B	3	1603.B8	OIL PLUG G3/4 + GASKET	1
0307.27	SPACER	3	1603.H6	VALVE PLUG "CK/CX" PISTON D20	3
0501.C7	BEARING HOLLOW FLANGE	2	1604.06	HEAD "CX" D15	1
0602.75	BACK COVER GASKET	1	1625.21	OIL PLUG G3/8	1
0605.33	GASKET D8 ^B	3	1804.08	HEX BOLT M10X140	8
0605.42	GASKET D27	1	1804.09	HEX BOLT M8X40	6
0605.43	GASKET D17	1	1804.52	HEX BOLT M6X45	5
0635.14	HIGH PRESS. SEAL KIT D15 ^C	3	1804.60	HEX BOLT M6X10	1
0635.15	LOW PRESS. SEAL KIT D15 ^C	3	1804.82	HEX BOLT M8X22	8
0801.17	KEY A8X7X35	1	6000.41	ROD ASSEMBLY	3
1101.64	O-RING - INLET VALVE	3	6006.39	VALVE ASSY 400BAR W/O O-RING ^A	3
1101.66	O-RING - OIL SIGHT GLASS	1	6006.45	SUCTION VALVE ASSEMBLY COMPLETE ^A	3
1101.73	O-RING - BEARING FLANGE	2	6006.87	SUCTION VALVE ASSEMBLY	3
1101.A4	O-RING - PLUNGER BOLT ^B	3	6063.Z5	COMPLETE ROD ASSEMBLY	3
1101.B2	O-RING - PRESSURE RING ^{C D}	3	6061.85	PLUNGER KIT D15 (KIT 85)	1
1101.D8	O-RING - DISCHARGE VALVE ^A	3	6061.87	BRASS RING KIT (KIT 87)	1
1101.D8	O-RING - DISCHARGE VALVE	3	6061.88	WATER SEAL KIT (KIT 88)	1
1101.E7	O-RING - SPLIT MANIFOLD	3	6061.S5	VALVE KIT D15/18 "CX" (KIT 224)	1
1101.G1	O-RING - INLET VALVE	3			
1205.45	CERAMIC PLUNGER D15	3			
1212.01	RETAINER - OIL SIGHT GLASS	1			

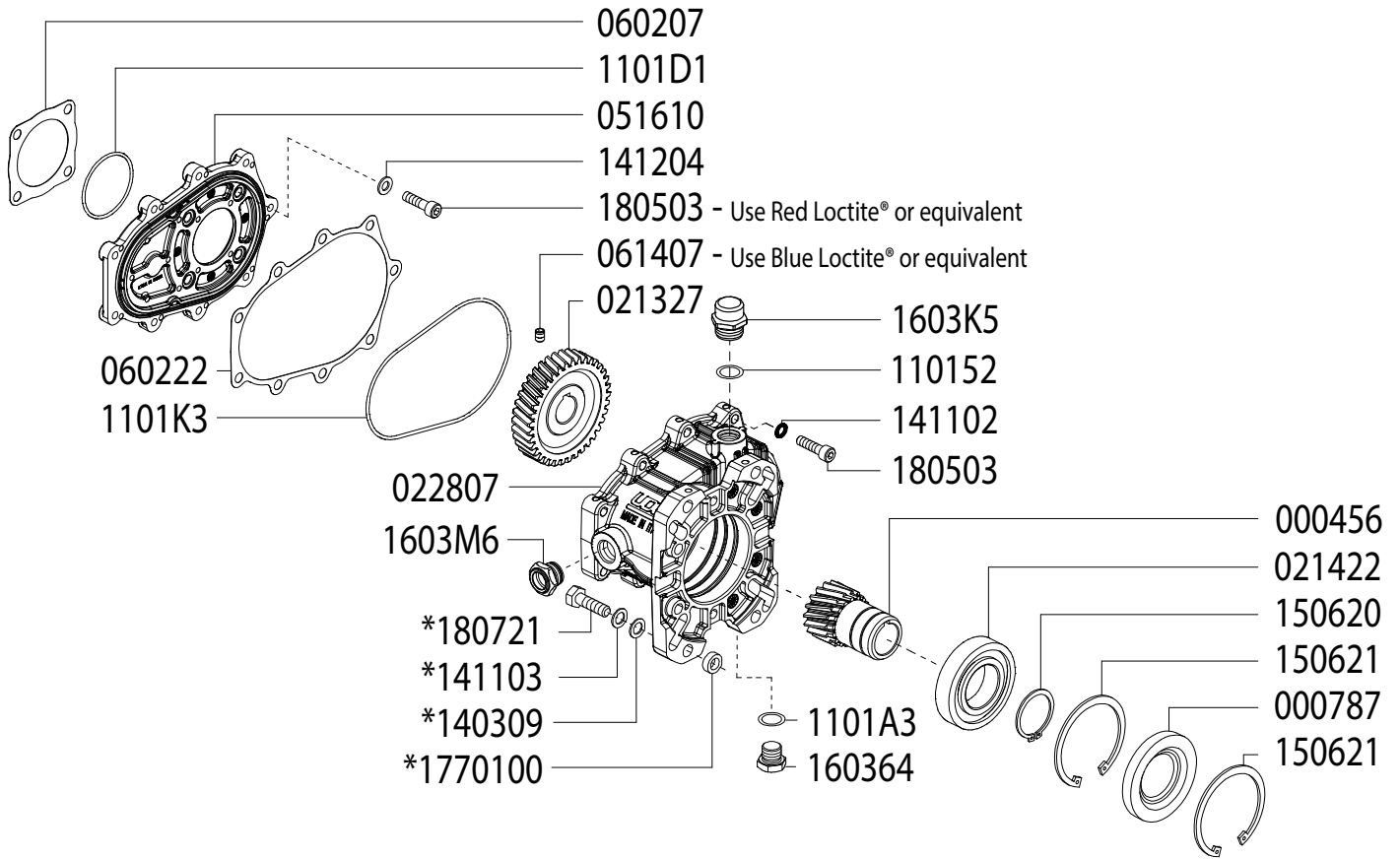
^A Parts in 6061.S5 (Kit 224).

^B Parts in 6061.85 (Kit 85).

^C Parts in 6061.88 (Kit 88).

^D Parts in 6061.87 (Kit 87).

**GAS ENGINE GEAR REDUCTION FOR
B/BK/BS/BWT/C/CS/CWT/CK/CX-SERIES PLUNGER PUMPS
on GAS ENGINES with 1" SHAFTS
REQUIRES 11.5 OZ. ISO VG 220 GEAR LUBE**



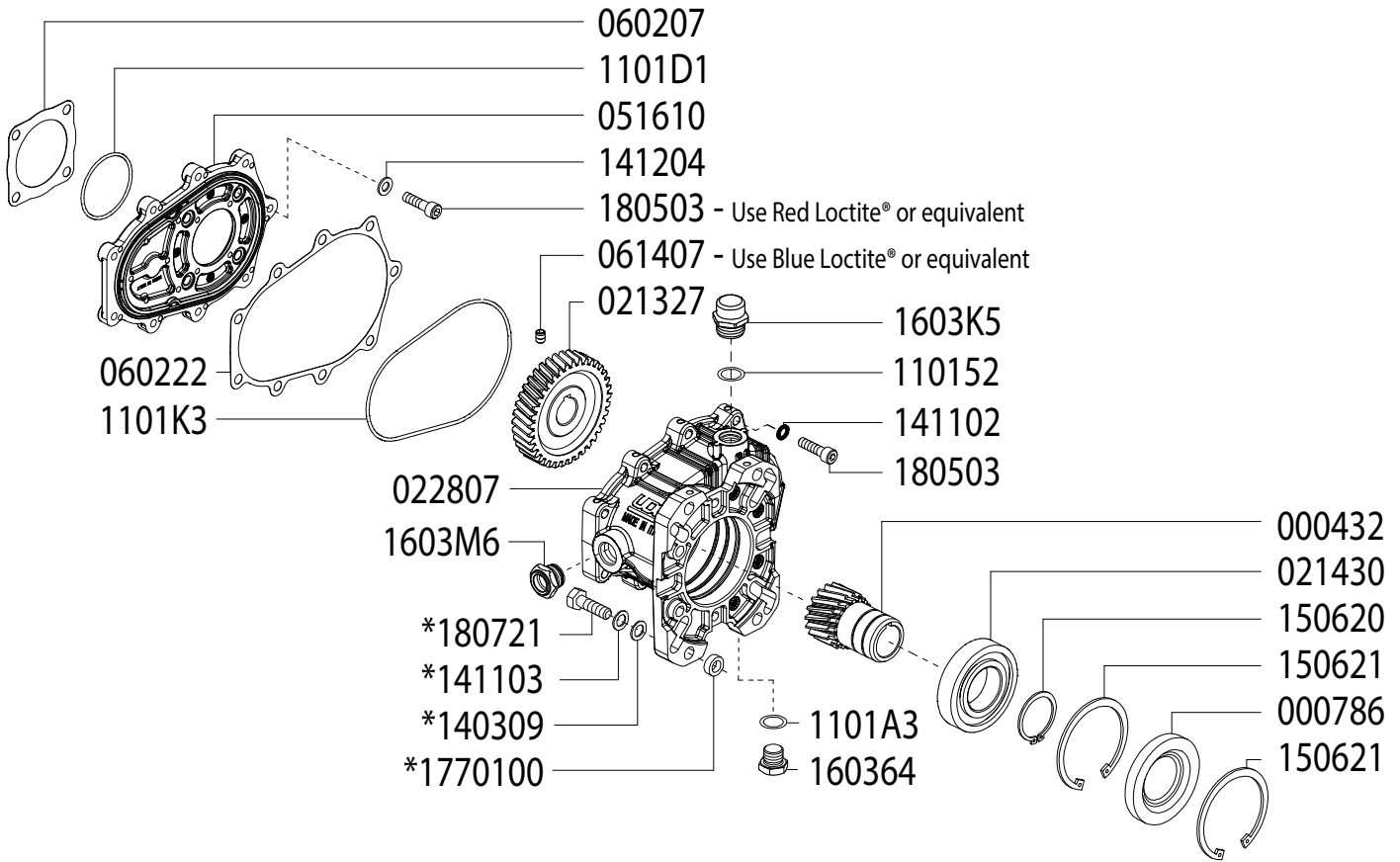
SEE NEXT PAGE FOR ASSEMBLY AND INSTALLATION INSTRUCTIONS

Updated 4-3-2026

Part #	Description	Qty	Part #	Description	Qty
0004.56	GEAR - 1"	1	*1403.09	WASHER	4
0007.87	OIL SEAL - D40 - RBC122K	1	1411.02	WASHER	9
0213.27	PUMP GEAR	1	*1411.03	SERRATED WASHER	4
0214.22	BEARING - D40 - RBC122K	1	1412.04	WASHER	4
0228.07	COUPLER - RBC122	1	1506.20	SNAP RING - D40	1
0516.10	FLANGE - RBC122	1	1506.21	SNAP RING - D80	2
0602.07	GASKET - RC122	1	1603.64	PLUG - 3/8"	1
0602.22	GASKET - RBC122 HOUSING	1	1603.K5	OIL PLUG - G3/8"	1
0614.07	SET SCREW - M5X8	1	1603.M6	OIL SIGHT GLASS	1
1101.52	O-RING - OIL PLUG	1	1805.03	ALLEN BOLT - M8x30	13
1101.A3	O-RING	1	*1807.21	HEX BOLT - 3/8-16 X 1-1/4"	4
1101.D1	O-RING	1	*1770.100	SPACER	4
1101.K3	O-RING	1			

* For use when using outer mounting holes only

**GAS ENGINE GEAR REDUCTION FOR
B/BK/BS/BWT/C/CS/CWT/CK/CX-SERIES PLUNGER PUMPS
on GAS ENGINES with 1-1/8" SHAFTS
REQUIRES 11.5 OZ. ISO VG 220 GEAR LUBE**



SEE NEXT PAGE FOR ASSEMBLY AND INSTALLATION INSTRUCTIONS

Updated 4-3-2026

Part #	Description	Qty	Part #	Description	Qty
0004.32	GEAR - 1-1/8"	1	*1403.09	WASHER	4
0007.86	OIL SEAL - D40 - RBC122X	1	1411.02	WASHER	9
0213.27	PUMP GEAR	1	*1411.03	SERRATED WASHER	4
0214.30	BEARING - D40 - RBC122X	1	1412.04	WASHER	4
0228.07	COUPLER - RBC122	1	1506.20	SNAP RING - D40	1
0516.10	FLANGE - RBC122	1	1506.21	SNAP RING - D80	2
0602.07	GASKET - RC122	1	1603.64	PLUG - 3/8"	1
0602.22	GASKET - RBC122 HOUSING	1	1603.K5	OIL PLUG - G3/8"	1
0614.07	SET SCREW - M5X8	1	1603.M6	OIL SIGHT GLASS	1
1101.52	O-RING - OIL PLUG	1	1805.03	ALLEN BOLT - M8x30	13
1101.A3	O-RING	1	*1807.21	HEX BOLT - 3/8-16 X 1-1/4"	4
1101.D1	O-RING	1	*17701.00	SPACER	4
1101.K3	O-RING	1			

* For use when using outer mounting holes only

**GAS ENGINE GEAR REDUCTION FOR
B/BK/BS/BWT/C/CS/CWT/CK/CX-SERIES PLUNGER PUMPS
on GAS ENGINES with 1" or 1-1/8" SHAFTS
REQUIRES 11.5 OZ. ISO VG 220 GEAR LUBE**

ASSEMBLY INSTRUCTIONS

- 1 With the pump shaft in vertical position, remove the 4 bolts that affix the bearing flange, leaving it in its position.
- 2 Place the gasket (p/n 060207) on the pump flange and the O-Ring 1101D1 between the pump and the flange (p/n 051610), then attach the flange (p/n 051610) using the Allen Bolts (p/n 180503) with relative bonded seal washers (p/n 141204). Make sure that the O-Ring (p/n 1101K3) is correctly contained in its seat and position the gasket (p/n 060222). Apply Red LOCTITE® (or equivalent) to the bolts (p/n 180503), and tighten with a torque of 19 lb-ft MAX.
- 3 After checking that the key is correctly seated, fit the helical pinion (p/n 021327) on the pump shaft pushing it against the shaft stop and locking it in position with the set screw (p/n 061407), tightening with a torque of 15 lb-ft max (use Blue LOCTITE® or equivalent).
- 4 Complete the assembly of the gearbox crankcase by screwing the oil sight glass (p/n 1603M6) and the plug (p/n 160364) with the corresponding O-Ring (p/n 1101A3).
- 5 Attach the gearbox crankcase assembly to the flange using the (9) Allen Bolts (p/n 180503) and washers (p/n 141102), tightening with a torque of 19 lb-ft MAX.
- 6 Fill the gearbox crankcase with oil (11.5 OZ. ISO VG 220 GEAR LUBE) until the level indicated in the center of the oil sight glass, then closing with the oil plug p/n 1603K5 and O-Ring (p/n 110152).

Note: If the pump-gearbox unit is not immediately coupled to the engine and have to be transported, to avoid possible oil leaks, temporarily use a plug G3/8 (not supplied) instead of the oil plug (p/n 1603K5).

ASSEMBLY OF THE PUMP-GEARBOX UNIT ON THE ENGINE:

- 1 Check that the key of the motor shaft is correctly seated, then apply a good anti-seize lubricant (such as LOCTITE® 8150) to the shaft to facilitate disassembly.
- 2 Then proceed to the coupling of the gearbox to the engine using the appropriate bolts and washers (supplied)
- 3 Tightening torques according to the bolts used.

3/8" - torque = 29 lb-ft MAX

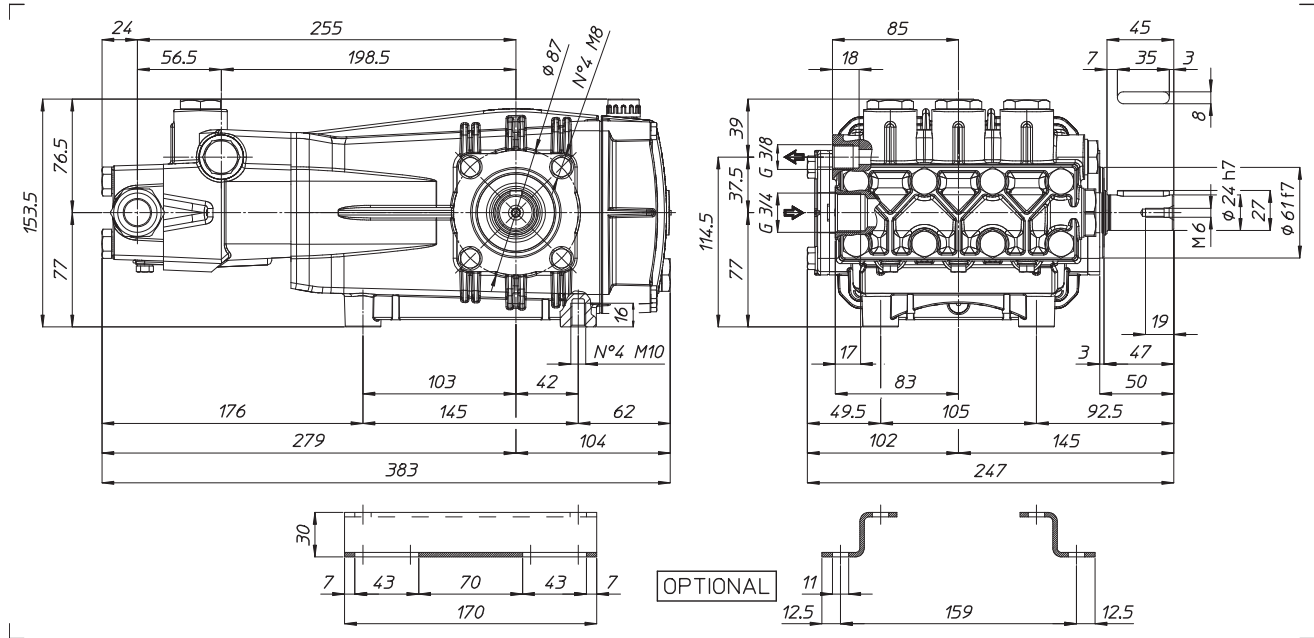
5/16" - torque = 19 lb-ft MAX

WEIGHT
LUBRICATION

52 LBS
34.5 OZ UDOR LUBE

*Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937*

CX SERIES PUMPS - 24mm SOLID SHAFT



TORQUE SPECS

Ref.	Description	Ft./lb.	Nm	Loctite®
1	Head Bolts	37	50	-
2	Valve Caps	-	-	-
3	Inlet Cap	103	140	-
4	Outlet Cap	60	80	243
5	Bearing Flange Bolts	19	25	-
6	Rear Cover Bolts	8	11	-
7	Connecting Rod Bolts	19	25	270
8	Plunger Bolts	15	20	270
9	Valve Cover Bolts	37	50	-
10	Oil Drain Plug	8	11	-

