

TECH BULLETIN 129



Replacement Pressure Washer Pumps – Engine Driven, Direct Drive

When replacing your factory-installed pressure washer pump with a Cat Pump, confirm that your engine has the following features before proceeding with pump selection:

- Horizontal shaft only
- Straight, keyed shaft
- ¾", 1", or 1 ½" shaft
- 3450 nominal RPM

Below are common engine and pump combinations to assist you with pump selection. **Consult engine manufacturer for actual torque available at required speed.**

$$\text{Torque Required (Ft.-Lbs.)} = 3.6 \times \frac{\text{GPM} \times \text{PSI}}{\text{RPM}}$$

HONDA GC160, SUBARU EX17, KOHLER SH265, BRIGGS & STRATTON CR950 (4.6 – 5.7 HP)

PUMP MODEL	SHAFT	FLOW		PRESSURE		RPM	DRIVE TYPE	
		GPM	LPM	PSI	BAR		DIRECT DRIVE	GEAR BOX
4DNX25GSI	¾"	2.5	9.5	3000	207	3450	•	
4DX29GUIF	¾"	2.9	11	2600	179	3450	•	
2SF30GZ	¾"	3	11.4	2300	159	3450	•	
2SF35GS	¾"	3.5	13.2	2000	138	3450	•	
3CP1120G	¾"	3.5	13.2	2000	138	3600		•

HONDA GC190, HONDA GX200, KOHLER SH265, BRIGGS & STRATTON 1150 SERIES (5.2 – 5.6 HP)

PUMP MODEL	SHAFT	FLOW		PRESSURE		RPM	DRIVE TYPE	
		GPM	LPM	PSI	BAR		DIRECT DRIVE	GEAR BOX
4DNX27GSI	¾"	2.7	10.3	3000	207	3450	•	
2SF35GS	¾"	3.5	13.3	2000	138	3450	•	
2SF30GZ	¾"	3	11.4	2500	172	3450	•	
3CP1120G	¾"	3.5	13.2	2200	152	3600		•

HONDA GX270, SUBARU EX27 (8.5 – 9 HP)

PUMP MODEL	SHAFT	FLOW		PRESSURE		RPM	DRIVE TYPE	
		GPM	LPM	PSI	BAR		DIRECT DRIVE	GEAR BOX
45PX32G1I	1"	3.2	12.2	3000	207	3450	•	
66DX35G1I	1"	3.5	13.3	3000	207	3400	•	
66DX40G1I	1"	4	15.2	2500	172	3400	•	
66DX50G1I	1"	5	19	2000	138	3250	•	

HONDA GX390, LCT PP420, KOHLER CH440, BRIGGS & STRATTON 2100 SERIES (11.7 – 13.4 HP)

PUMP MODEL	SHAFT	FLOW		PRESSURE		RPM	DRIVE TYPE	
		GPM	LPM	PSI	BAR		DIRECT DRIVE	GEAR BOX
66DX30G1I	1"	3	11.4	4000	276	3400	•	
66DX35G1I	1"	3.5	13.3	4000	276	3400	•	
66DX40G1I	1"	4	15.2	4000	276	3400	•	
66DX50G1I	1"	5	19	3000	276	3250	•	
5CP3160CSSG1	1"	4	15.1	3500	241	3320		•
5CP3120CSSG1	1"	4.5	17.0	3200	221	3353		•
5CP5135CSSG1	1"	5.8	22.0	2450	169	3450		•
5CP5140CSSG1	1"	6.2	23.5	2300	159	3450		•
7CP6110CSG1	1"	10	37.9	1450	100	3400		•
7CP6170G1	1"	12	45.4	1200	83	3264		•

NOTE: All 1" gearbox versions are available in 1 ½" size (G118)

Cat Pumps

Technical Services Department

99TCH129 Rev A 20215 8/20