Florida Water Blast, Inc.

12995 Automobile Blvd. Clearwater, FL 33762 - Wk. # 1-800-966-0614

PRESSURE WASHERS • RECYCLE SYSTEMS • PORTABLE PADS • PARTS WASHERS

PUMP SIZING CHART

THE FOLLOWING IS A "QUICK REFERENCE" THAT WILL HELP YOU DETERMINE THE CORRECT PUMP FOR THE ENGINE YOU USE

A-R PUMP

Annovi Reverberi

COMET PUMP

GENERAL PUMP

The following pumps that are listed are of equal quality and will give the professional many hours of trouble free service. Please call us if you need additional information.

3400 RPM PUMP SELECTOR

These are DIRECT DRIVE PUMPS

that easily bolt directly to any engine with the proper engine shaft

A word about pumps...

In our opinion all pumps found on these pages are of equal quality so not be misled by the size of some of these pumps as they compare to others of equal specifications.

IT ALL STARTS HERE!

What size engine do you have?

Find you engine size and then go to that section below and see which pumps fit your engine.

Engines under 11 hp will probably have a 3/4" shaft.

Remember that most engines from 11 to 16 HP have 1" Shafts.

Over 16 they could be from 1" to 1-1/8" and up. You need to know what size shaft the engine is. Generally you can call the Manufacturer and give them the spec number on the side of the engine and they can tell you the shaft size.

Engines sizes commonly found in the pressure washing industry...

Kohler engines come in the following sizes:
6 HP, 10 HP, 12 HP, 12.75 HP, 18 HP, 22 HP, 25 HP, 27 HP, 30 HP *and soon a* 38-40 HP

Honda engines come in the following sizes:
5.5 HP, 11 HP, 13 HP, 18 HP, 20 HP & 24 HP

Briggs engines come in the following sizes:
16 HP, 18 HP, 21 HP, 31 HP, 35 HP

Robin engines come in the following sizes:
6 HP, 9 HP, 11 HP, 13.5 HP

Engine Sizing

There are as many opinions about engine longevity as there are people using them. For what it is worth - here is ours.
Kohler - for duty cycles of 60 hrs p/wk & up
Briggs - for duty cycles of 40-60
Honda - for duty cycles of 40-60
Robin - not enough test data.
Whenever possible we build with Kohler.

Duty Cycle of Pumps

As a result of over 20 years in the Professional Mobile Wash industry as contractors along with another 15 years of building heavy duty power washers we have formed the following opinions as they relate to the duty cycle of pumps and how they best serve this industry.

Direct Drive Pumps are bolted directly to the gas engine. If the engine is turning 3400 RPMs then so is the pump. Common sense dictates that these pumps will not last as long as pumps turning at lesser RPMs.

Duty Cycle:

20 Hours a week or less = **Direct Drive**
Over 20 hours a week = **Gear Drive** preferred or **Belt Drive**

3400 RPM PUMP SELECTOR

5 HP ENGINE you can use any of these pumps

- These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
XTV2G15DBAF7	A-R	1500	2.11	10.00	".75" Engine Shaft Required"	$
XTV3G16DF7	A-R	1600	3.00	10.00	".75" Engine Shaft Required"	$
XTV2G22DF7	A-R	2200	2.11	10.00	".75" Engine Shaft Required"	$
LW2020G	Comet	2000	2.10	13.40	".75" Engine Shaft Required"	$
GXD2220G*	Comet	2000	2.20	11.00	".75" Engine Shaft Required"	$
LWD2520G	Comet	2000	2.50	13.40	".75" Engine Shaft Required"	$
AXD3020G*	Comet	2000	2.70	12.00	".75" Engine Shaft Required"	$
TT9071GBF	General	1500	2.80	11.40	".75" Engine Shaft Required"	$
TT9061GBF	General	1500	2.11	11.40	".75" Engine Shaft Required"	$
TP2520J34	General	2500	1.90	11.40	".75" Engine Shaft Required"	$

5.5 HP ENGINE you can use any of these pumps

- These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
GXD3020G*	Comet	2000	3.00	11.00	".75" Engine Shaft Required"	$
AXD2524G*	Comet	2400	2.40	12.00	".75" Engine Shaft Required"	$
TT1540GBF	General	1500	4.00	11.40	".75" Engine Shaft Required"	$
TT2028GBF	General	2000	2.80	11.40	".75" Engine Shaft Required"	$
TX1505G6	General	3000	2.00	18.00	".75" Engine Shaft Required"	$

6 HP ENGINE you can use any of these pumps

- These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
XTV3G22DF7	A-R	2200	3.00	11.00	".75" Engine Shaft Required"	$
XMV25G26DF25	A-R	2600	2.50	15.00	".75" Engine Shaft Required"	$
LWD3020G	Comet	2200	3.00	13.40	".75" Engine Shaft Required"	$
GXD2525G*	Comet	2500	2.50	11.00	".75" Engine Shaft Required"	$
AXD2427G*	Comet	2700	2.40	12.00	".75" Engine Shaft Required"	$
TP2526J34	General	2500	2.60	11.40	".75" Engine Shaft Required"	$

6.5 HP ENGINE you can use any of these pumps

- These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
GXD2527G*	Comet	2700	2.50	11.00	".75" Engine Shaft Required"	$
AXD2527G*	Comet	2700	2.50	12.00	".75" Engine Shaft Required"	$
LWD2527	Comet	2700	2.50	13.40	".75" Engine Shaft Required"	$
TT2035GBF	General	2000	3.50	11.40	".75" Engine Shaft Required"	$
TP2530J34	General	2500	2.88	11.40	".75" Engine Shaft Required"	$
TC1506G	General	2700	2.60	14.60	".75" Engine Shaft Required"	$

8 HP ENGINE you can use any of these pumps

- These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
XMV35G25DF25	A-R	2500	3.50	15.00	".75" Engine Shaft Required"	$
XMV35G25DF24	A-R	2500	3.50	16.00	"1' Engine Shaft Required"	$
XMV3G25DF25	A-R	2500	3.00	15.00	".75" Engine Shaft Required"	$
XMV3G27DF25	A-R	2700	3.00	15.00	".75" Engine Shaft Required"	$
AXD3522G*	Comet	2200	3.30	12.00	".75" Engine Shaft Required"	$
LWD3522	Comet	2200	3.50	13.40	".75" Engine Shaft Required"	$
AXD3025G*	Comet	2500	2.90	12.00	".75" Engine Shaft Required"	$
AXD3525G*	Comet	2500	3.30	12.00	".75" Engine Shaft Required"	$
LWD3025	Comet	2500	3.00	13.40	".75" Engine Shaft Required"	$
GXD3025G*	Comet	2500	3.00	11.00	".75" Engine Shaft Required"	$
AXD3030G*	Comet	3000	2.90	14.50	"1" Engine Shaft Required"	$
ZWD2530G	Comet	3200	2.50	16.50	".75" Engine Shaft Required"	$
TC1508C	General	2500	3.30	14.60	".75" Engine Shaft Required"	$
TP2533J34	General	2500	3.30	11.40	".75" Engine Shaft Required"	$
TC1507G	General	2700	3.00	14.60	".75" Engine Shaft Required"	$
TX1506G6	General	3000	2.60	18.00	".75"" Engine Shaft Required"	$
TX1506G8	General	3000	2.60	18.00	"1" Engine Shaft Required"	$

* denotes a pump that will have a built-in unloader and sometimes a chemical injector. Ask your representative for more information.

3400 RPM PUMP SELECTOR

9 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
BKV3G30D*	A-R	3000	3.00	22.00	"1" Engine Shaft Required"	$
XMV3G30DF24	A-R	3000	3.00	16.00	"1" Engine Shaft Required"	$
XMV3G32DF24	A-R	3200	3.00	16.00	"1" Engine Shaft Required"	$
AXD3530G*	Comet	3000	3.30	14.50	"1" Engine Shaft Required"	$
FWD3530G	Comet	3000	3.30	21.00	"1" Engine Shaft Required"	$
ZWD3030G	Comet	3200	3.00	17.50	".75" Engine Shaft Required"	$
TX1508G8	General	3000	3.00	18.00	"1" Engine Shaft Required"	$
TX1508G6	General	3000	3.00	18.00	".75" Engine Shaft Required"	$
EZ3035G	General	3000	3.00	19.10	"1" Engine Shaft Required"	$
EZ3030G	General	3200	3.00	19.10	"1" Engine Shaft Required"	$

10 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
BKV35G30D*	A-R	3000	3.50	22.00	"1" Engine Shaft Required"	$
XMV35G30DF24	A-R	3000	3.50	16.00	"1" Engine Shaft Required"	$
RKV35G30ADF24	A-R	3000	3.50	21.00	"1" Engine Shaft Required"	$
TC1509G	General	2500	4.00	14.60	".75" Engine Shaft Required"	$
TX1509G8	General	3000	3.50	18.00	"1" Engine Shaft Required"	$

11 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
BKV4G30D*	A-R	3000	4.00	22.00	"1" Engine Shaft Required"	$
RKV4G30ADF24	A-R	3000	4.00	21.00	"1" Engine Shaft Required"	$
XMV4G30DF24	A-R	3000	4.00	16.00	"1" Engine Shaft Required"	$
SXMV35G32DF24	A-R	3200	3.50	16.00	"1" Engine Shaft Required"	$
SXMV3G40DF24	A-R	4000	3.00	16.00	"1" Engine Shaft Required"	$
AXD4030G*	Comet	3000	3.70	14.50	"1" Engine Shaft Required"	$
ZWD3530G	Comet	3200	3.50	17.50	"1" Engine Shaft Required"	$
ZWD3040G	Comet	4000	3.00	17.50	"1" Engine Shaft Required"	$
TX1010G8	General	3000	4.00	18.00	"1" Engine Shaft Required"	$
EZ4030G	General	3000	4.00	19.10	"1" Engine Shaft Required"	$

12 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
FWD4530G	Comet	3000	4.40	21.00	"1" Engine Shaft Required"	$
HWD3540G	Comet	4000	3.30	20.00	"1" Engine Shaft Required"	$
RKV4G32DF24	A-R	3200	4.00	21.00	"1" Engine Shaft Required"	$
XMV4G32DF24	A-R	3200	4.00	16.00	"1" Engine Shaft Required"	$
SXMV35G35DF24	A-R	3500	3.50	16.00	"1" Engine Shaft Required"	$
RKV35G35DF24	A-R	3500	3.50	21.00	"1" Engine Shaft Required"	$

12.75 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
SXMV4G35DF24	A-R	3500	4.00	16.00	"1" Engine Shaft Required"	$
RKV4G35DF24	A-R	3500	4.00	21.00	"1" Engine Shaft Required"	$
RKV4G35HDF24	A-R	3500	4.00	21.00	"1" Engine Shaft Required"	$
RKV35G40HDF24	A-R	4000	3.50	21.00	"1" Engine Shaft Required"	$
SXMV35G40DF24	A-R	4000	3.50	16.00	"1" Engine Shaft Required"	$
ZWD3540G	Comet	4000	3.50	17.50	"1" Engine Shaft Required"	$
EZ3045G	General	3000	4.60	19.10	"1" Engine Shaft Required"	$

13 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
FWD4035G	Comet	3500	3.90	21.00	"1" Engine Shaft Required"	$

* denotes a pump that will have a built-in unloader and sometimes a chemical injector. Ask your representative for more information.

3400 RPM PUMP SELECTOR

13.5 HP ENGINE you can use any of these pumps

These are Direct Drive Pumps that easily bolt directly to the face of the Engine with a 1" Shaft

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
RKV45G32DF24	A-R	3200	4.50	21.00	"1" Engine Shaft Required"	**$**
ZWD4030G	Comet	3200	4.50	17.50	"1" Engine Shaft Required"	**$**

16 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
RKV4G37DF24	A-R	3700	4.00	21.00	"1" Engine Shaft Required"	**$**
RKV4G40HDF24	A-R	4000	4.00	21.00	"1" Engine Shaft Required"	**$**
HWD4040G	Comet	4000	3.90	20.00	"1" Engine Shaft Required"	**$**
ZWD4040G	Comet	4000	4.00	17.50	"1" Engine Shaft Required"	**$**
HWD4540G	Comet	4000	4.40	20.00	"1" Engine Shaft Required"	**$**

18 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
RKV45G40HDF24	A-R	4000	4.50	21.00	"1" Engine Shaft Required"	**$**

20 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	Mfg.	PSI	GPM	Weight	Shaft Size	Price
RKV5G40HDF24	A-R	4000	5.00	21.00	"1" Engine Shaft Required"	**$**
RKV55G40HDF24	A-R	4000	5.50	21.00	"1" Engine Shaft Required"	**$**

* denotes a pump that will have a built-in unloader and sometimes a chemical injector. Ask your representative for more information.

1450 RPM PUMP SELECTOR

Many of these pumps can be Belt or Gear Driven
We recommend Gear Drive whenever possible

A word about pumps...

In our opinion all pumps found on these pages are of equal quality so not be misled by the size of some of these pumps as they compare to others of equal specifications.

IT ALL STARTS HERE!

What size engine do you have?

Find you engine size and then go to that section below and see which pumps fit your engine.

Engines under 11 hp will probably have a 3/4" shaft.

Remember that most engines from 11 to 16 HP have 1" Shafts.

Over 16 they could be from 1" to 1-1/8" and up. You need to know what size shaft the engine is. Generally you can call the Manufacturer and give them the spec number on the side of the engine and they can tell you the shaft size.

Engines sizes commonly found in the pressure washing industry...

Kohler engines come in the following sizes:
6 HP, 10 HP, 12 HP, 12.75 HP, 18 HP, 22 HP, 25 HP, 27 HP, 30 HP *and soon a* 38-40 HP

Honda engines come in the following sizes:
5.5 HP, 11 HP, 13 HP, 18 HP, 20 HP & 24 HP

Briggs engines come in the following sizes:
16 HP, 18 HP, 21 HP, 31 HP, 35 HP

Robin engines come in the following sizes:
6 HP, 9 HP, 11 HP, 13.5 HP

Engine Sizing

There are as many opinions about engine longevity as there are people using them. For what it is worth - here is ours.
Kohler - for duty cycles of 60 hrs p/wk & up
Briggs - for duty cycles of 40-60
Honda - for duty cycles of 40-60
Robin - not enough test data.
Whenever possible we build with Kohler.

Belt Drive vs. Gear Drive

There is hardly a day that goes by that someone doesn't express their preference about belt vs. gear. The most common fear of the gear drive is one that really carries little weight. That fear is 'they haven't been around long enough" or "a friend told me...."

Let me just put it this way. We have all been driving cars and trucks for years. The gears in a gear reducer is just a tough as the gears in the rear end of our vehicles and as far as not being around long enough - we have been building gear drive systems since 1980 and a few of those machine are still around today.

What are the advantages of the gear over the belt. Honest there are few but the two biggest are:
1. You will never have to tighten or replace a belt
2. The gear drive system takes up much less space.

We have used both as contractors and if we were contractors again we would still use them

Here is our opinion as it relates to the duty cycles of both.

1. 40 hours or less a week - either.
2. Over 40 hours per week - Gear Drive

1450 RPM PUMP SELECTOR

5 HP ENGINE you can use any of these pumps

- They require that you use a pulley and belt drive system

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
XT814N	A-R	2000	2.11	11.00	1450	24 MM Shaft	$
XT914N	A-R	2000	2.37	11.00	1450	24 MM Shaft	$
XT1114N	A-R	2000	2.90	11.00	1450	24 MM Shaft	$
LW2020S	Comet	2000	2.10	14.00	1450	24 MM Shaft	$
LW3020S	Comet	2000	3.00	14.00	1450	24 MM Shaft	$

8 HP ENGINE you can use any of these pumps

- They require that you use a pulley and belt drive system

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
XM1515N	A-R	2200	3.96	14.00	1450	24 MM Shaft	$
XM1317N	A-R	2500	2.43	14.00	1450	24 MM Shaft	$
XM1117N	A-R	2500	2.90	14.00	1450	24 MM Shaft	$
LW3025S	Comet	2500	3.00	14.00	1450	24 MM Shaft	$
LW3525S	Comet	2500	3.50	14.00	1450	24 MM Shaft	$
TS921	General	1800	4.75	32.00	1450	24 MM Shaft	$
TS1011	General	2000	4.00	32.00	1450	24 MM Shaft	$
TS1331	General	2100	3.50	32.00	1450	24 MM Shaft	$

9 HP ENGINE you can use any of these pumps

- They require that you use a pulley and belt drive system

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
FW3530S	Comet	3000	3.40	20.00	1450	24 MM Shaft	$
TS1021	General	1700	5.60	32.00	1450	24 MM Shaft	$
TS1321	General	2100	4.75	32.00	1450	24 MM Shaft	$
TS1711	General	2700	3.50	32.00	1450	24 MM Shaft	$

11 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
FW4030S	Comet	3000	4.00	20.00	1450	24 MM Shaft	$
TS1611	General	2500	4.75	32.00	1450	24 MM Shaft	$

13 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
HW3540S *	Comet	4000	3.40	20.00	1450	24 MM Shaft	$
TS2011 *	General	3500	4.00	32.00	1450	24 MM Shaft	$
TS1511 *	General	3500	4.00	32.00	1450	24 MM Shaft	$

16 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
RK2120HNL *	A-R	2900	5.50	20.00	1450	24 MM Shaft	$
RK1528HN *	A-R	4000	3.96	20.00	1450	24 MM Shaft	$
XWM1530 *	A-R	4350	3.96	34.00	1450	24 MM Shaft	$
FW5030S *	Comet	3000	5.00	20.00	1450	24 MM Shaft	$
FW5530S *	Comet	3000	5.50	20.00	1450	24 MM Shaft	$
SW4040S *	Comet	4000	4.00	41.00	1450	24 MM Shaft	$
HW4040S *	Comet	4000	4.00	20.00	1450	24 MM Shaft	$
HW4540S *	Comet	4000	4.40	20.00	1450	24 MM Shaft	$

* indicates a pump that can be both Gear Driven or Belt Driven

1450 RPM PUMP SELECTOR

18 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
XWM2620 *	A-R	2900	6.87	34.00	1450	24 MM Shaft	$
RK1828HN *	A-R	4000	4.75	20.00	1450	24 MM Shaft	$
SWX1535 *	A-R	5100	3.96	35.00	1450	24 MM Shaft	$
TS2021 *	General	3500	5.60	32.00	1450	24 MM Shaft	$

20 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
XWM2128 *	A-R	4060	5.55	34.00	1450	24 MM Shaft	$
SW5540S *	Comet	4000	5.50	41.00	1450	24 MM Shaft	$
TW4545S *	Comet	4500	4.70	45.00	1450	24 MM Shaft	$

21 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
TSF2219 *	General	3000	7.70	41.00	1450	24 MM Shaft	$
TSF2019 *	General	3600	6.30	41.00	1450	24 MM Shaft	$

22 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

XWL4215N *	A-R	2200	11.09	34.00	1450	24 MM Shaft	$

24 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
TW10025S *	Comet	2500	10.00	45.00	1450	24 MM Shaft	$
TW8030S *	Comet	3000	8.70	45.00	1450	24 MM Shaft	$
TW7036S *	Comet	3600	7.00	45.00	1450	24 MM Shaft	$
TW5050S *	Comet	5000	5.00	45.00	1450	24 MM Shaft	$
TSF2421 *	General	2500	10.00	41.00	1450	24 MM Shaft	$
TSF2221 *	General	3000	8.50	41.00	1450	24 MM Shaft	$
TSF2021 *	General	3600	7.00	41.00	1450	24 MM Shaft	$
TSP1819 *	General	5000	5.00	52.00	1450	24 MM Shaft	$
TSP1621 *	General	5800	4.30	52.00	1450	24 MM Shaft	$

25 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
TW11025S *	Comet	2500	11.00	45.00	1450	24 MM Shaft	$
TSP1821 *	General	5000	5.50	52.00	1450	24 MM Shaft	$

27 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
XW3025 *	A-R	3600	7.92	34.00	1450	24 MM Shaft	$
SWX2135 *	A-R	5100	5.50	35.00	1450	24 MM Shaft	$
SHP1550N *	A-R	7250	3.96	29.00	1450	24 MM Shaft	$
TW5550S *	Comet	5000	5.80	45.00	1450	24 MM Shaft	$

* indicates a pump that can be both Gear Driven or Belt Driven

1450 RPM PUMP SELECTOR

30 HP ENGINE you can use any of these pumps

- They can be Belt/Pulley Driven or Gear Box Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
TW8036S	Comet	3600	8.60	45.00	1450	24 MM Shaft	**$**

38 HP ENGINE you can use any of these pumps

- These Pumps must be Belt/Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*RPM*	*Shaft Size*	*Price*
SHP2250N	A-R	7250	5.80	29.00	1450	24 MM Shaft	**$**

If you elect to Gear Drive any of the above pumps keep in mind that most gear reducers are only rated to fit no more than a 18 horsepower engine. If you plan on using a gear reducer in an application where the engine requirement is greater than 18 horsepower you must use our 'dual-bearing' gear reducer

- Part #1210-908 if the Engine Shaft is 1" or
- Part #1210-903 if the Engine Shaft is 1-1/8"

Sizing an Engine to the Pump

Take the 'GPM' x 'PSI' and divide by 1100

Pulley Sizing

Engine Pulley x Engine Speed (3600 RPM)
divide by maximum pump RPM = Pump Pulley

Pump Pulley x maximum Pump RPM
divide by Engine RPM = Engine Pulley

1750 RPM PUMP SELECTOR

Many of these pumps can be Belt or Gear Driven
We recommend Gear Drive whenever possible

A word about pumps...

In our opinion all pumps found on these pages are of equal quality so not be misled by the size of some of these pumps as they compare to others of equal specifications.

IT ALL STARTS HERE!

What size engine do you have?

Find you engine size and then go to that section below and see which pumps fit your engine.

Engines under 11 hp will probably have a 3/4" shaft.

Remember that most engines from 11 to 16 HP have 1" Shafts.

Over 16 they could be from 1" to 1-1/8" and up. You need to know what size shaft the engine is. Generally you can call the Manufacturer and give them the spec number on the side of the engine and they can tell you the shaft size.

Engines sizes commonly found in the pressure washing industry...

Kohler engines come in the following sizes:
6 HP, 10 HP, 12 HP, 12.75 HP, 18 HP, 22 HP, 25 HP, 27 HP, 30 HP *and soon a* 38-40 HP

Honda engines come in the following sizes:
5.5 HP, 11 HP, 13 HP, 18 HP, 20 HP & 24 HP

Briggs engines come in the following sizes:
16 HP, 18 HP, 21 HP, 31 HP, 35 HP

Robin engines come in the following sizes:
6 HP, 9 HP, 11 HP, 13.5 HP

Engine Sizing

There are as many opinions about engine longevity as there are people using them. For what it is worth - here is ours.
Kohler - for duty cycles of 60 hrs p/wk & up
Briggs - for duty cycles of 40-60
Honda - for duty cycles of 40-60
Robin - not enough test data.
Whenever possible we build with Kohler.

5 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XTA3G16N	A-R	1600	3.00	10.00	24 MM Shaft	
XTA3G19N	A-R	1900	3.00	11.00	24 MM Shaft	
XTA2G22N	A-R	2200	2.11	11.00	24 MM Shaft	
XTA2G15NBA	A-R	2000	2.11	10.00	24 MM Shaft	
LWS2020S	Comet	2000	2.20	14.00	24 MM Shaft	
TC1509S17	General	2500	2.10	15.00	24 MM Shaft	
T991	General	1100	4.00	19.00	24 MM Shaft	
TT9111	General	1500	3.00	11.00	24 MM Shaft	
T9951	General	1500	3.50	19.00	24 MM Shaft	
TX1812S17	General	2000	2.80	19.00	24 MM Shaft	
TX1810S17	General	2000	2.10	19.00	24 MM Shaft	

1750 RPM PUMP SELECTOR

6 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XTA3G22N	A-R	2200	3.00	11.00	24 MM Shaft	
LWS3020S	Comet	2000	3.10	14.00	24 MM Shaft	
TS1011	General	1500	4.71	32.00	24 MM Shaft	
TC1809S17	General	2200	3.10	15.00	24 MM Shaft	
TC1511S17	General	2500	2.60	15.00	24 MM Shaft	

8 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XMA4G20N	A-R	2000	4.00	14.00	24 MM Shaft	
RKA4G20N	A-R	2000	4.00	19.00	24 MM Shaft	
XMA35G25N	A-R	2500	3.50	14.00	24 MM Shaft	
XMA3G25N	A-R	2500	3.00	14.00	24 MM Shaft	
RKA35G25N	A-R	2500	3.50	19.00	24 MM Shaft	
LWS4020S	Comet	2000	4.00	14.00	24 MM Shaft	
LWS3525S	Comet	2500	3.50	14.00	24 MM Shaft	
LWS3025S	Comet	2500	3.20	14.00	24 MM Shaft	
TT9971	General	2000	4.00	19.00	24 MM Shaft	
TS1331	General	2000	4.00	32.00	24 MM Shaft	
TC1811S17	General	2200	3.90	15.00	24 MM Shaft	
EZ2536S	General	2500	3.60	18.00	24 MM Shaft	
TX1512S17	General	3000	2.60	19.00	24 MM Shaft	

10 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA35G30N	A-R	3000	3.50	19.00	24 MM Shaft	
FWS3530S	Comet	3000	3.50	20.00	24 MM Shaft	
TS2011	General	2300	4.75	32.00	24 MM Shaft	
EZ2542S	General	2500	4.20	18.00	24 MM Shaft	

11 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA4G30N	A-R	3000	4.00	19.00	24 MM Shaft	
FWS6020S	Comet	2000	5.90	20.00	24 MM Shaft	
SWS5025S	Comet	2500	5.00	41.00	24 MM Shaft	
FWS4030S	Comet	3000	4.10	20.00	24 MM Shaft	
T9211	General	3000	4.00	32.00	24 MM Shaft	

12.75 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA65G20HN	A-R	2000	6.60	20.00	24 MM Shaft	
FWS4035S	Comet	3000	4.50	20.00	24 MM Shaft	

13 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA7G20HN	A-R	2000	7.10	20.00	24 MM Shaft	
RKA4G35N	A-R	3500	4.00	20.00	24 MM Shaft	
RKA35G40HN	A-R	4000	3.50	20.00	24 MM Shaft	
FWS5525S	Comet	2500	5.70	20.00	24 MM Shaft	

13.75 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA45G35HN	A-R	3500	4.50	19.00	24 MM Shaft	

1750 RPM PUMP SELECTOR

16 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
RKA55G30HN	A-R	3000	5.50	20.00	24 MM Shaft	
RKA4G40HN	A-R	4000	4.00	19.00	24 MM Shaft	
XWAM4G40N	A-R	4000	4.00	34.00	24 MM Shaft	
SWS4040S	Comet	4000	4.00	41.00	24 MM Shaft	
HWS4040S	Comet	4000	4.00	20.00	24 MM Shaft	

18 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XWLA13G15N	A-R	1450	13.00	34.00	24 MM Shaft	
SXWA4G50	A-R	5000	4.00	35.00	24 MM Shaft	
HWS5040S	Comet	4000	5.00	20.00	24 MM Shaft	

20 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XWAM9G24N	A-R	2400	9.00	34.00	24 MM Shaft	
XWAM55G40N	A-R	4000	5.50	34.00	24 MM Shaft	

25 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XWAM7G40N	A-R	4000	7.00	34.00	24 MM Shaft	
SXWA55G50	A-R	5000	5.50	35.00	24 MM Shaft	
TSF2219	General	3000	9.30	41.00	24 MM Shaft	
TSF2019	General	3600	7.60	41.00	24 MM Shaft	

27 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
TSF2421	General	2500	12.00	41.00	24 MM Shaft	

30 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
XWAM8G35N	A-R	4000	8.00	34.00	24 MM Shaft	
TSF2221	General	3000	10.20	41.00	24 MM Shaft	
TSF2021	General	3600	8.50	41.00	24 MM Shaft	

31 HP ENGINE you can use any of these pumps

- These Pumps are typically Pulley Driven

Model	*Mfg.*	*PSI*	*GPM*	*Weight*	*Shaft Size*	*Price*
SXWA7G50	A-R	5000	7.00	35.00	24 MM Shaft	

Sizing an Engine to the Pump

Take the 'GPM' x 'PSI' and divide by 1100

Pulley Sizing

Engine Pulley x Engine Speed (3600 RPM)
divide by maximum pump RPM = Pump Pulley

Pump Pulley x maximum Pump RPM
divide by Engine RPM = Engine Pulley