

MOBILE WASHERS REAL WORLD NOZZLE SIZING

These 3 are typically Direct Drive Pumps that bolt directly to the engine and rotate the same RPM's as the engine rotates. So if the engine is rotating at 3600 RPM's so is the pump.

If you have a... ..and want to get... ..you will need a... ..and will need at least a...

4.0 GPM Pump	3500 PSI	4.0 Nozzle Size	13 HP Engine
4.0 GPM Pump	4000 PSI	4.0 Nozzle Size	15 HP Engine
4.5 GPM Pump	3200 PSI	5.0 Nozzle Size	13 HP Engine

All of the pumps from here on down will rotate by means of a V-Belt that attaches the pump pulley to the engine pulley or by means of a Gear Box/Gear Reducer that is bolted to the pump and then bolted directly to the engine.

Gear Reducers are always the preferred method of mounting a pumps. Whereas a direct drive pump will turn at the same RPM's as the engine the Gear Reduced pump will turn at less than 1/2 the RPM's of the engine because the way the two internal gears are sized. This is typical of what you would find in an automobile. If the rear wheels on a automobile were turning the same RPM's as the engine we would all be setting land speed records daily. A large gear meshed with a smaller gear allows us to obtain maximum horsepower from an engine while turning the pump (or rear wheels on the car) slower - thus extending pump life.

If you have a... ..and want to get... ..you will need a... ..and will need at least a...

5.0 GPM Pump	2900 PSI	5.5 Nozzle Size	13 HP Engine
5.0 GPM Pump	3500 PSI	5.5 Nozzle Size	16 HP Engine
5.0 GPM Pump	5000 PSI	4.5 Nozzle Size	22 HP Engine
5.6 GPM Pump	2500 PSI	7.0 Nozzle Size	13 HP Engine
5.6 GPM Pump	3500 PSI	6.0 Nozzle Size	18 HP Engine
5.6 GPM Pump	4000 PSI	5.5 Nozzle Size	20 HP Engine
8.0 GPM Pump	3000 PSI	9.0 Nozzle Size	22 HP Engine
8.0 GPM Pump	3400 PSI	8.5 Nozzle Size	24 HP Engine
8.6 GPM Pump	3500 PSI	9.0 Nozzle Size	28 HP Engine
10.0 GPM Pump	2000 PSI	15.0 Nozzle Size	18 HP Engine
10.0 GPM Pump	2500 PSI	12.0 Nozzle Size	24 HP Engine
10.0 GPM Pump	3000 PSI	11.0 Nozzle Size	27 HP Engine

The following specifications will all use #15 Nozzles simply because sizes between 12 and 15 and sizes between 15 & 20 are extremely hard to find.

If you have a... ..and want to get... ..you will need a... ..and will need at least a...

11.0 GPM Pump	2000 PSI	15.0 Nozzle Size	20 HP Engine
11.0 GPM Pump	2500 PSI	15.0 Nozzle Size	25 HP Engine
12.0 GPM Pump	2000 PSI	15.0 Nozzle Size	22 HP Engine
12.0 GPM Pump	2500 PSI	15.0 Nozzle Size	27 HP Engine
13.0 GPM Pump	2000 PSI	15.0 Nozzle Size	24 HP Engine
13.0 GPM Pump	2500 PSI	15.0 Nozzle Size	30 HP Engine