

Assemble to Order System

CUSTOM BUILT HYDRAULIC PUMP

Choose your basic pump, make your selections, and we will assemble, test and ship your pump.

PUMPS

10,000 psi



1
PE55A
PE55B
PE90A
PE90B



2
PE55C
PE55D
PE55F
PE90C
PE90D
PE90F



3
PE120M



4
PA55A
PA90A



5
PG55A

ORDER A "CUSTOM BUILT" HYDRAULIC PUMP

"Assemble to Order" means you can choose a basic pump with gas, air or electric motor. Then select the proper valve, gauge, pressure control, motor control and reservoir. You get a two-stage pump that gives high oil volume for fast cylinder approach (and return with double-acting cylinders) in the first stage and high pressure in the second stage.

1 1½ HP UNIVERSAL MOTOR

These motors start under full load and are suitable for operation up to 5,000 or 10,000 psi. The motor is 1½ hp, 12,000 rpm, 115 or 230 volt (specify), 50/60 cycle A.C. single phase (25 amp draw at 115V.). With proper valve they can be used with single- or double-acting cylinders. Remote control available.

2 1½ HP JET MOTOR, SINGLE & THREE-PHASE

Feature low noise level, moderate speed for long service and are ideal for fixed applications. Motor is 1½ hp, 3,450 rpm, 115 or 230 volt, 50 or 60 cycle (specify), A.C. single phase with thermal overload switch. Can be used with single- or double-acting cylinders and equipped with remote control. Also available in 230/460 volt, three-phase (specify).

NOTE: These do not start under full load unless valve is in "neutral" (requires open or tandem center valve) and are not recommended for frequent starting and stopping.

3 3 HP JET MOTOR, THREE-PHASE

Gives low noise level and long life due to its moderate operating speed. Ideal for fixed installations. Consists of basic 10,000 psi pump, jet pump motor: 3 hp, 3,450 rpm, 230/460 volt, 60 or 50 cycle (specify). A.C. three-phase, with thermal overload switch. Equipped with internal and external relief valve. Will start under load.

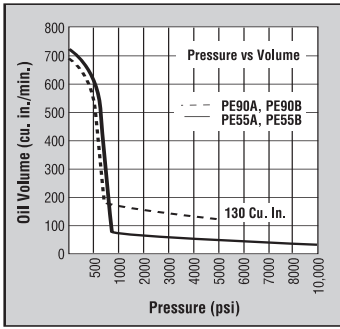
4 3 HP AIR MOTOR

This pump is ideal for use where electricity is unavailable or cannot be used. The 5,000 or 10,000 psi pump has a 3 hp air driven motor at 3,000 rpm (optimum performance based on 80 psi air pressure and 50 cfm at the pump). You can drive single- or double- acting cylinders with the correct valve.

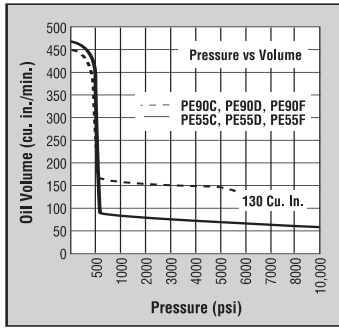
NOTE: 80 psi air supply required to start under full load.

5 GASOLINE ENGINE

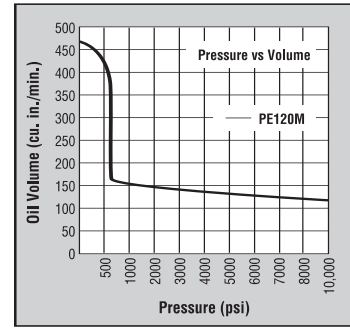
This version is perfect when electricity and air are unavailable. It is capable of continuous operation at full pressure. Consists of basic 10,000 psi pump, 4-cycle Briggs & Stratton "Diamond Edge" gasoline engine, developing 6 hp. As with all these pumps, this unit can be valved for use with either single- or double-acting cylinders.



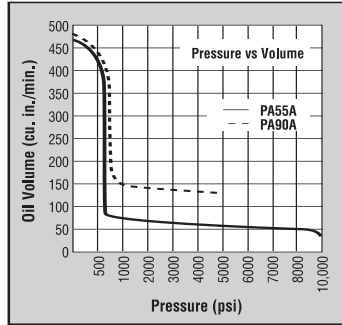
dBA @ idle and 10,000 psi - 90/95
dBA @ idle and 5,000 psi - 90/95



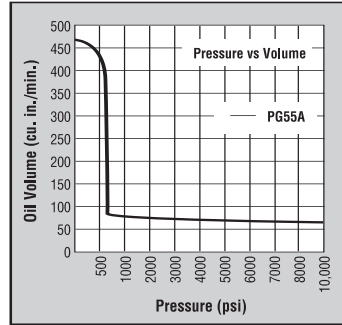
dBA @ idle and 10,000 psi - 80/85



dBA @ idle and 10,000 psi - 80/85



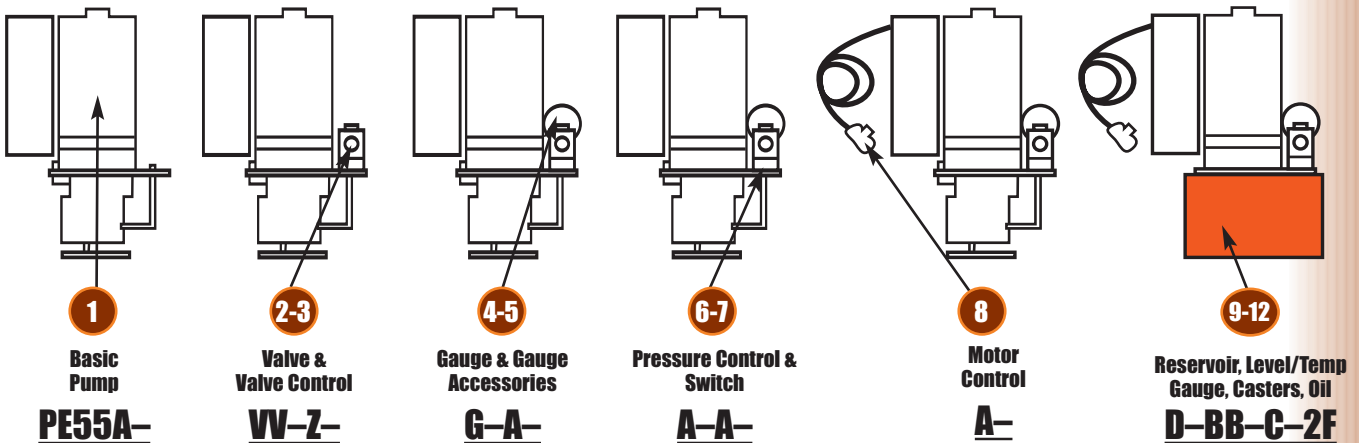
dBA @ idle and 10,000 psi - 83/88
dBA @ idle and 5,000 psi - 83/88



“ASSEMBLE TO ORDER” SYSTEM HOW TO ORDER YOUR “CUSTOM” HYDRAULIC PUMP..

You can choose from pre-engineered, off-the-shelf components to customize your pump. All the components are listed in table form, with key letters or numbers on pages 104-105. Complete instructions guide

you through so you can determine what is needed to complete a pump assembly. Shown below is an example of a custom-built pump.



Pump No. PE55A-VV-Z-G-A-A-A-D-BB-C-2F is a 10,000 psi two-speed pump with a 115 volt, 50-60Hz, single phase, 1½ hp, 12,000 rpm motor;

a 9512 4-way solenoid valve with a 202778 remote hand control, a 9041 pressure gauge, no gauge accessories,

standard pressure control, standard On-Off-Pulse motor control, 400630R9 2-gallon reservoir, a 350431 oil level/temperature gauge, 10494 casters, and 2 gallons of standard hydraulic oil.

See next two pages for pump components

