# HYDRAULIC DRIVE PUMPS From General Pump

### **APPLICATIONS**

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Municiple Vehicles:

all kinds of municipal

cleaning jobs

**Concrete Trucks:** 

removing concrete



Service Vehicles: road cleaning, pipe cleaning



Excavators: cleaning, draining and excavating





Concrete Pumps: cleaning of the concrete hopper and tubes



Fork Lifts: maintenance, high pressure cleaning



Tractors: cleaning, sandblasting, flushing



Fishing Boats: cleaning, sandblasting, net cleaning



Fire Fighting Vehicles: pumps with water spray



cooling, cleaning joints and threads



Asphalt Laying Machines: immediate removal of hot asphalt



Sludge Suction Trucks: cleaning pipes and outflows



Turn your system's oil pressure into water pressure



Hydraulic Lifts:

to use hydraulic tools

mounted on lift

General Pump 174 Northland Drive Mendota Heights, MN 55120 Tel: 651.454-6500 Toll Free: 888.474.5487 www.generalpump.com



This innovative pump transforms the hydraulic pressure already available in your system into water pressure

## HWB2512 - *8.6 GPM @ 2175 PSI* HWB2112 - *6.6 GPM @ 2900 PSI* HWB1812 - *4.4 GPM @ 3625 PSI* HWB1512 - *3.3 GPM @ 4350 PSI*



### HYDRAULIC DRIVE - Turn your

#### hydraulic pressure into water pressure

Solid ceramic plungers

for long life

Double seal prevents

hydraulic oil leaks



#### **CONNECTION DIAGRAM**



A. Inlet	
B. Discharge port	
C. PTP Port	
D. Gauge port	

#### PUMP PERFORMANCE

F. Oil inlet

G. Oil protection valve

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Model	HWB2512	HWB2112	HWB1812	HWB1512	
Max inlet oil pressure PSI	3625	3625	3020	2485	
Pressure Ratio Factor	.6	.8	1.2	1.75	
Max Discharge pressure PSI	2175	2900	3625	4350	
Multiply your system oil pressure by the Pressure Ratio Factor to determine your discharge pressure output. System PSI X Ratio Factor = Discharge PSI Example: If your hydraulic system pressure is 2000 psi, then (HWB1512) 2000 X 1.75 = 3500 psi discharge pressure					
Max inlet oil capacity GPM	6.6	6.6	6.6	6.6	
Flow Ratio Factor	1.3	1	.67	.5	
Max discharge flow GPM	8.6	6.6	4.4	3.3	
Multiply your oil flow capacity by the Flow Ratio Factor to determine your discharge flow. System GPM X Ratio Factor = Discharge GPM Example: If your hydraulic system flow is 3.0 gpm, then (HWB1512) 6.0 X. 5 = 3.0 gpm discharge flow					
(HWB1512) 6.0	X .5 = 3.0 gpn	n discharge flo	ow		

Hydraulically actuated plunger eliminates bearing load in synchro unit

Oil bath synchro unit regulates plunger movement with near zero load on bearings

Oversized hydraulic ports for maximum efficiency

Synchro unit regulates plunger movement and oil distribution to pumping system

> One piece plunger guides guarantee perfect alignment and long life

Cast aluminum body is anodized for corrosion resistance and durability

Vent prevents contamination of hydraulic oil

OVERALL PUMP DIMENSIONS: 11.2" x 4.7" x 7.0"



Built-in pressure trapping unloader

Pump thermal protector included



Valve surfaces are machined for maximum efficiency

Unitized valves for reliability and ease of maintenance

Unique inlet design minimizes risk of cavitation

Forged brass manifold for strength and durability