

Horizontal Reciprocating Power Pump
Heavy Duty Construction for General Services

From Standard units to complex packages
RG Pumps has provided engineered pumping solutions since 2000

Model: RG-HPP 376

Standard Data

Suction Port	76 mm	3.0 Inches
Delivery Port	50 mm	2.0 Inches
Weight	300 Kg	551 Lbs
Stroke	76 mm	3.0 Inches



Cylinder Bore 60 mm

Maximum Pressure			Maximum Rated Capacity		Speed	Pump Input		Bore	
Bar	Psi	Meters	L/sec	GPM US	Rpm	BHP	KW	Mm	Inches
59	850	600	4.3	68	400	39.0	29.0	60	2.36
59	850	600	3.8	60	350	33	25		
59	850	600	3.2	51	300	28	21		

Cylinder Bore 50 mm

Maximum Pressure			Maximum Rated Capacity		Speed	Pump Input		Bore	
Bar	Psi	Meters	L/sec	GPM US	Rpm	BHP	KW	Mm	Inches
59	850	600	3.0	47	400	26	19	50	1.96
59	850	600	2.6	41	350	22	17		
59	850	600	2.2	35	300	19	14		

TYPICAL APPLICATIONS

- Water Supply as Booster in hilly areas where heads are very high and flow rates are low.
- Hydraulic System
- Water Jet Cleaning
- Boiler Feed
- Sprinkling Irrigation
- Fertilizer Plants

Materials.

FLUID END

- **Fluid End Body:**
Cast Ductile Iron.
Cast Nickel Aluminum –Bronze.
Forged Carbon Steel.
- **Valves:**
Stainless Steel disks and seats.
- **Pistons:**
Stainless Steel 304.
- **Packing:**
Vee ring packing with impregnated rubber.



POWER END

- **Power Frame:**

Fabricated heavy wall sections to insure rigid construction, totally enclosed with sealed access covers.

- **Crank Shaft:**

SG iron/Ductile Iron for inherent shock load damping.

- **Crank Shaft Bearings:**

Interchangeable heavy duty ball bearings.

- **Connecting Rods:**

SG iron/Ductile Iron for inherent shock load damping, with replaceable insets.

- **Cross Heads:**

High strength AISI 1045 cross heads & crosshead pins hardened and ground.

- **Lubrication:**

All Power end parts are lubricated by splash system from oil in crankcase reservoir.



RELIABLE POWER PACKAGE UNITS AVAILABLE

UNIT PACKAGE

Diesel Power

- HPP 350 Triplex Piston Pump fitted with diesel engine for areas where electricity is not available.
- Pump & Diesel engine fitted on common base frame.
- Fuel filters, dip stick, oil drain, and service points are conveniently located.

Electric Power.

- The RG-HPP 376 model can also be equipped with an electric motor of 50 HP, available in TEFC or explosion proof.

Drive System.

- The HPP 300 series uses fully enclosed V-belt drive system, which is tolerant of minor misalignment.