

MODEL No.

# REC-P2

68.5 Mpa battery operated hydraulic pump  
with remote control



REC-P2 shown with OT-MWB



Hydraulic Heads



REC-P2 shown with EP-60S

## SPECIFICATIONS

Motor : 28.8 VDC  
 Oil delivery :  
 Low pressure  
 1.8 liter / min  
 High pressure  
 0.4 liter / min  
 Reservoir volume :  
 1,000 cc (60 cubic inch)  
 Oil pressure : 68.5 Mpa or 10,000 PSI

## SIZE

272 (L) x 304 (H) x 143 (W) mm

## WEIGHT

14.0 kg (less battery)

## ACCESSORIES

Remote control switch,  
 2 meter wire wound rubber hose,  
 Battery and charger  
 OT-MWB:Lithium Ion Battery 28V 3.0Ah  
 OT-MWC:Lithium Ion Charger 220V-240V

## FEATURES

The REC-P2 is a battery powered hydraulic pump which has a 1,000cc or 60 cubic inch reservoir capacity. Its performance is powerful and closer to AC powered pump R14E-F1.

Quiet and powerful 28.8 VDC motor provides intermittent duty hydraulic power source to a remote head up to 60 ton capacity.

The remote control permits operator to advance, retract and stop the piston at any desired position.

1,000 cc of reservoir volume is sufficient enough to operate a 60 ton compression head with optional 3 meter hose.

OT-MWB 28VDC Lithium ion Battery warrants 2 year or 2,000cycle charges.

## REMARKS

- \* Adjustable output pressure to 68.5 Mpa
- \* 360 degree swivel joint for hose maneuverability
- \* Durable steel cover
- \* Wired remote control switch

MODEL No.

**HP-180N**

Rated pressure : 0 - 59 Mpa



HP-180N



HP-180N shown with SH-10

**FEATURES**

The HP-180N is ideal for SH-10 Punch driver or any small remote heads requiring less than 180 cc of oil volume.

Since the HP-180N does not have a relief valve, it cannot be used with any compression heads which require a relief valve to ensure a constant compression every time.

**SPECIFICATIONS**

Oil delivery : 0.9 cc / stroke

Reservoir capacity : 180 cc

**SIZE**

320 (L) x 80 (W) x 120 (H) mm

**WEIGHT**

3.7 kg

**ACCESSORIES**

1 m hydraulic hose attached

**REMARKS**

Relief valve not equipped.

\* Bladder type oil reservoir allows operation in any position

\* Single stage pumping

MODEL No.

**HP-700A**

Rated pressure : 68.5 Mpa or 10,000 PSI



HP-700A



Bypass cartridge

**FEATURES**

The HP-700A hand pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5Mpa.

Our exclusive replaceable, bypass cartridge is standard in the HP-700A.

An internal oil bladder allows the HP-700A to be used in any position.  
(Even pump head upward)

**SPECIFICATIONS**

Oil delivery :  
10.5 cc / stroke at low pressure  
1.5 cc / stroke at high pressure

Reservoir capacity : 720 cc

**SIZE**

590 (L) x 130 (W) x 160 (H) mm

**WEIGHT**

9.6 kg

**ACCESSORIES**

2 m hydraulic hose attached

**REMARKS**

- \* Two stage pumping action for rapid ram advance
- \* Replaceable Dropout bypass valve cartridge for easy repair
- \* Economical yet dependable hand hydraulic pump

MODEL No.

# FP-700A

Rated pressure : 68.5 Mpa or 10,000 PSI



FP-700A



Bypass cartridge

## FEATURES

The FP-700A foot pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5Mpa.

Our exclusive replaceable, bypass cartridge is standard in the FP-700A

An internal oil bladder allows the FP-700A to be used in any position. (Even pump head upward)

## SPECIFICATIONS

Oil delivery :

10.5 cc / stroke at low pressure

1.5 cc / stroke at high pressure

Reservoir capacity : 720 cc

## SIZE

690 (L) x 150 (W) x 180 (H) mm

## WEIGHT

10.8 kg

## REMARKS

Hydraulic hose sold separately.

\* Two stage pumping action for rapid ram advance

\* Replaceable Dropout bypass valve cartridge for easy repair

\* Economical yet dependable foot operated hydraulic pump

MODEL No.

**R14E-F1**

Rated pressure : 68.5 Mpa or 10,000 PSI



R14E-F1



R14E-F1 shown with EP-510HC

**FEATURES**

The R14E-F1 remote operated pump gives the operator complete control. Push buttons permit the operator to advance and retract at will. The operator is never committed to a full cycle, and can always back off at any time during the advance even under pressure. This feature increases efficiency because cuts and crimps can be adjusted as necessary, simply by stopping the advance or retract mode.

The electric motor shuts off when UP button is released and the pressure reaches to preset valve. of 68.5Mpa. The ram can be retracted while DOWN button is depressed.

A 3 meter remote control cable provides both safety and convenience. The operator can set up an operation and then move away from the work site before engaging the tool.

**SPECIFICATIONS**

Oil delivery :  
2.6 liter / min at low pressure  
0.32 liter / min at high pressure

Input : Single phase 50 / 60 Hz 120 V  
or 220 V 340 W motor

Reservoir capacity : 2 liter

**SIZE**

250 (L) x 160 (W) x 355 (H) mm

**WEIGHT**

16.5 kg (14.5 kg dry)

**ACCESSORIES**

2 m hydraulic hose attached

**REMARKS**

- \* Two stage pumping system for rapid advance
- \* Adjustable output pressure to 68.5 Mpa
- \* 360 degree swivel joint for hose maneuverability
- \* Visual oil level
- \* Durable steel cover
- \* Wired remote control

MODEL No.

**R14E-A1**

Rated pressure : 68.5 Mpa or 10,000 PSI



R14E-A1



R14E-A1 shown with EP-431H

**FEATURES**

The R14E-A1 is a fully remote controlled, single acting, 68.5Mpa, electric pump. The two button hand held remote control allows the operator to advance, hold or retract at any time. When 68.5Mpa is reached, the pump will automatically shut off and hold the pressure until the operator pushes the release button to retract the tool.

There is an auto cycle switch that allows the operator to push the advance button once and the pump automatically advances, runs to 68.5 Mpa, and releases. This feature is convenient where operation is repeated several times.

**SPECIFICATIONS**

Oil delivery :  
2.6 liter / min at low pressure  
0.6 liter / min at high pressure

Input : Single phase 50 / 60 Hz 120 V  
or 220 V 550 W motor

Reservoir capacity : 3 liter

**SIZE**

350 (L) x 330 (W) x 420 (H) mm

**WEIGHT**

32.5kg (29.5 kg dry)

**ACCESSORIES**

Remote control switch

**REMARKS**

Hydraulic hose sold separately.

- \* Fully remote controlled
- \* Visual oil level
- \* 3/4 HP heavy duty motor
- \* Durable steel construction with built-in carrying handle
- \* Auto cycle mode
- \* Low amperage requirement

MODEL No.

**HPE-2A**

Rated pressure : 68.5 Mpa or 10,000 PSI



HPE-2A



HPE-2A shown with EP-605

**FEATURES**

The HPE-2A **single acting** gasoline engine driven hydraulic pump is the most sophisticated engine pump on today's market. It builds pressure to 68.5Mpa automatically and returns engine RPM to an idle.

Wired remote control allows operator complete control. Oil volume is large enough to operate a 60 ton class single acting compression head.

The FUJI HEAVY'S four cycle engine EH09-2D is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2.

And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1A.

**SPECIFICATIONS**

Oil delivery :

2.6 liter / min at low pressure

0.5 liter / min at high pressure

Engine : Air cooled

4 cycle gasoline engine

1.5kw (2.0 ps) / 3,600 rpm, leadfree

gasoline

Reservoir capacity : 2.2 liter

**SIZE**

470(L) x 330(W) x 443(H)mm

**WEIGHT**

32.0kg (29kg dry)

**ACCESSORIES**

Remote control switch,

Spark plug wrench

**REMARKS**

Hydraulic hose sold separately.

\* Remote control operation

\* Pole mounting bracket as a standard accessory

\* Visual oil level

\* External air vent and oil level

\* Compact design

\* Dependable Fuji Heavy's engine

\* For single acting tools

MODEL No.

# HPE-2D

Rated pressure : 68.5 Mpa or 10,000 PSI



HPE-2D



HPE-2D shown with EP-100W



## SPECIFICATIONS

Oil delivery :  
2.6 liter / min at low pressure  
0.35liter / min at high pressure

Engine : Air cooled  
4 cycle gasoline engine  
1.5kw (2.0 ps) / 3,600 rpm, leadfree  
gasoline  
Reservoir capacity : 2.2 liter

## SIZE

530 (L) x 330 (W) x 443 (H) mm

## WEIGHT

37.0 kg (35.0 kg dry)

## ACCESSORIES

Remote control switch,  
Spark plug wrench

## REMARKS

Hydraulic hose sold separately.

\* Remote control operation

\* Visual oil level

\* External air vent and oil level

\* Compact design

\* Solenoid operated 4 way valve  
(For double acting tools)

\* Dependable Fuji Heavy's engine

## FEATURES

The HPE-2D **double acting** gasoline engine driven hydraulic pump is the most sophisticated pump on today's market. It builds pressure to 68.5Mpa automatically and returns engine RPM to an idle.

Wired remote control allows operator complete control. Oil volume is large enough to operate a 100 ton class double acting compression head for intermittent use.

The FUJI HEAVY'S four cycle engine EH09-2D is used with this Pump.

This engine meets emission control in accordance with EPA Phase2 and CARB Tier2.

And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1D.



MODEL No.

**HPE-4**

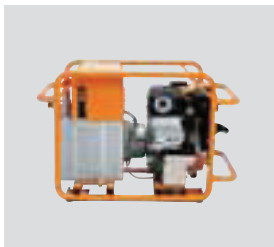
Rated pressure : 68.5 Mpa or 10,000 PSI



HPE-4



HPE-4 shown with EP-200W

**SPECIFICATIONS**

Oil delivery :

7.5 liter / min at low pressure

1.2 liter / min at high pressure

Engine : Air cooled

4 cycle gasoline engine

2.2kw (3.0 ps) / 3,600 rpm, leadfree

gasoline

Reservoir capacity : 10 liter

**SIZE**

665 (L) x 405 (W) x 445 (H) mm

**WEIGHT**

60.0 kg (50.0 kg dry)

**ACCESSORIES**

Remote control switch,

Spark plug wrench

**REMARKS**

Hydraulic hose sold separately.

- \* Wired remote control operation with manual control lever
- \* Auto operation allows fully automatic compression work, advance-68.5Mpa-retraction of ram, by just pressing UP button once on the remote control switch
- \* Compression counter to monitor compression cycles for the remainder of maintenance schedule
- \* Pressure gauge for easy output confirmation
- \* Reliable output by FUJI HEAVY'S engine
- \* For double acting tools

**FEATURES**

The HPE-4 is a **double acting** engine driven hydraulic pump suitable for double acting presses for transmission line use.

This pump is one of the most sophisticated on today's market. It builds pressure to 68.5Mpa automatically, and returns the engine RPM to an idle. The push button will control the fluid flow at the discretion of the operator. There is also a manual mode on the pump that can be used to override the remote control.

Electric circuit boards are completely modulated for easy replacement and repair.

The FUJI HEAVY'S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3.

MODEL No.

# HPE-4M

Rated pressure : 68.5 Mpa or 10,000 PSI  
 Engine Driven Pump for 60,100 & 200 ton presses



HPE-4M



HPE-4M shown with EP-60S



HPE-4M shown with EP-200W

## FEATURES

The HPE-4M is a manual controlled engine driven hydraulic pump suitable for single and double acting presses for transmission line use.

The manual control valve permits the user to advance, hold and retract the ram at will. It works for both single and double acting presses.

Simple design and positive manual control valve is ideal for high voltage construction site where electric magnetic field becomes concern.

### Valve Mode & Operation

**UP:** the ram advances and pressure goes up to 68.5Mpa. Then the relief valve functions.

**NEUTRAL:** the ram stops and holds its position

**DOWN:** the ram retracts to its lowest point.(Single and double acting presses) Then the pump builds up pressure to 13.7Mpa and the relief valve functions.

(Double acting press)

The FUJI HEAVY'S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3M.

## SPECIFICATIONS

Oil delivery :  
 7.5 liter/min at low pressure  
 1.2 liter/min at high pressure

Engine : Air cooled  
 4 cycle gasoline engine  
 2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline  
 Reservoir capacity : 10 liter

## SIZE

670(L) x 405(W) x 475(H) mm

## WEIGHT

60 kg (50 kg dry)

## ACCESSORIES

Spark plug wrench

## REMARKS

Hydraulic hose sold separately.

- \* For double and single acting tools
- \* Positive manual control valve
- \* Relief valve for advance (68.5Mpa) and retract (13.7Mpa)
- \* Pressure gauge for easy output confirmation
- \* Reliable output by FUJI HEAVY'S engine
- \* Maximum hose length 20 meter
- \* Relief valve setting  
 UP: 68.5Mpa  
 DOWN:13.7Mpa