

# High Tonnage Portable Jack (Railroad Edition)

60-100 Ton Capacity

Portable & compact, ideal for locomotive and railcar maintenance.



- Patented Load Lowering Valve
  - Lowers load smoothly and safely. Eliminates dangerous chatter and bounce.
- Full range of rod extensions
  - Jack comes fully equipped with extensions to match lifting pad heights on most rolling stock
  - Max. lifting height to 1,778 mm
- Low collapsed height, long stroke
  - 61 cm (24") collapsed height for low-clearance lift pads
  - 36 cm (14") stroke for maximum lift
- Adjustable, ergonomic handle
  - Handle tilts to start the job and is easily locked/unlocked without moving from operating position.
- NEMA 4 electrical box and rain hood
  - Pump motor and controls protected from water
  - Quiet operation
- Cribbing block set with handles and convenient storage rack
  - Provides solid mechanical load holding
- High-profile, low rolling resistance, foam filled tires
  - Jack can be moved and positioned with minimal effort
  - No chance of downtime due to punctured tires.
- Electric and Air Motor options
  - Quiet, powerful air and electric motor powered units available.



## ORDER INFORMATION

Capacity (Tons)	Stroke (mm)	Order Number	Retracted Height (mm)	Extended Ht. w/Extensions (mm)	Product Wt. Less Cribbing & Ext.
60	355.6	*PLE6014K	609.6	1,778	237 kg
60	355.6	*PLA6014K	609.6	1,778	237 kg
60	355.6	*PLE6014K-220	609.6	1,778	237 kg
100	355.6	Consult Factory	609.6	1,499	237 kg

\*Includes cribbing block set stored on jack handle rack, and 7 extensions (25.4, 50.8, 76.2, 101.6, 127, 254, 508 mm)

PLE6014 = Jack, Electric, includes: Cart, Pump & Cylinder

PLE6014-220 = Jack, Electric (220 V.)

PLA6014 = Jack, Air, includes: Cart, Pump & Cylinder

CBS60 = Cribbing Block Set (5 cribbing blocks)

PL60EXT = Extension Set (Consists of 7 extensions)



Air Model (PLA6014)

## POWER UNIT SPECIFICATIONS

Order No.	Motor	Power Req.	Motor Control	Valve Function	Power cord	dBa @ 700 bar
PLE6014	.84 kW 110/115 VAC*** 50/60 HZ Single Phase	25 amps	6.1 m Remote Control	Lift Hold Lower Manual	Pigtail	80/95
PLA6014	Rotary Air Powered	1.4 cu. m/min. @ 6 bar	6.1 m Remote Air Control	Lift Hold Lower Manual	NA	82

\*\*\* For 220V order PLE6014-220

\*\*\*PLE6014-30-220

Jack is also available in 100 ton versions, consult factory.

## Extensions (PL60 Ext) (Included)

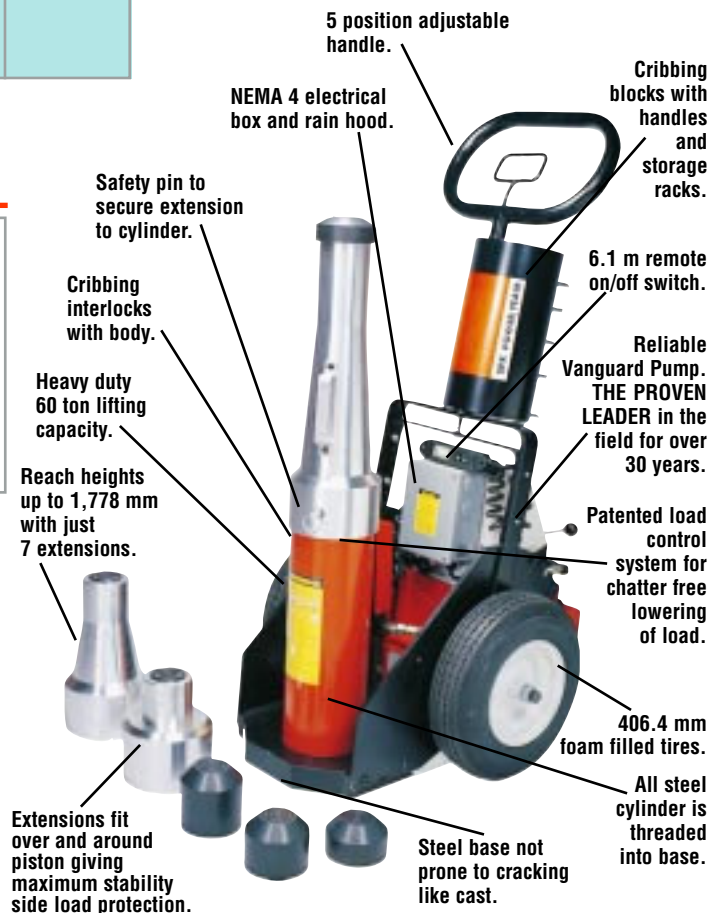
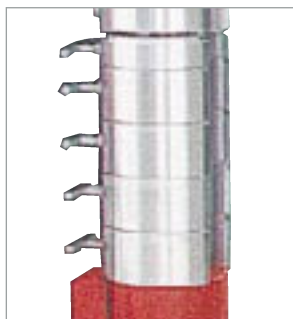
Extension Length (mm)	Order Number	Extension Weight (kg)
25.4	351931	2.2
50.8	351927	4.0
76.2	351928	6.4
101.4	351929	8.7
126.8	66053	9.5
254	66054	13.8
508	66055	22.1

### LIFTING RANGE

Lifting range (in 25.4 mm increments):  
609 mm - 1,778 mm.  
Only 3 extensions are needed to provide this range.  
Do NOT exceed 1,778 mm lifting range on 60 ton unit or 1,498 mm on 100 ton unit.

## Cribbing blocks (CBS60) (Included)

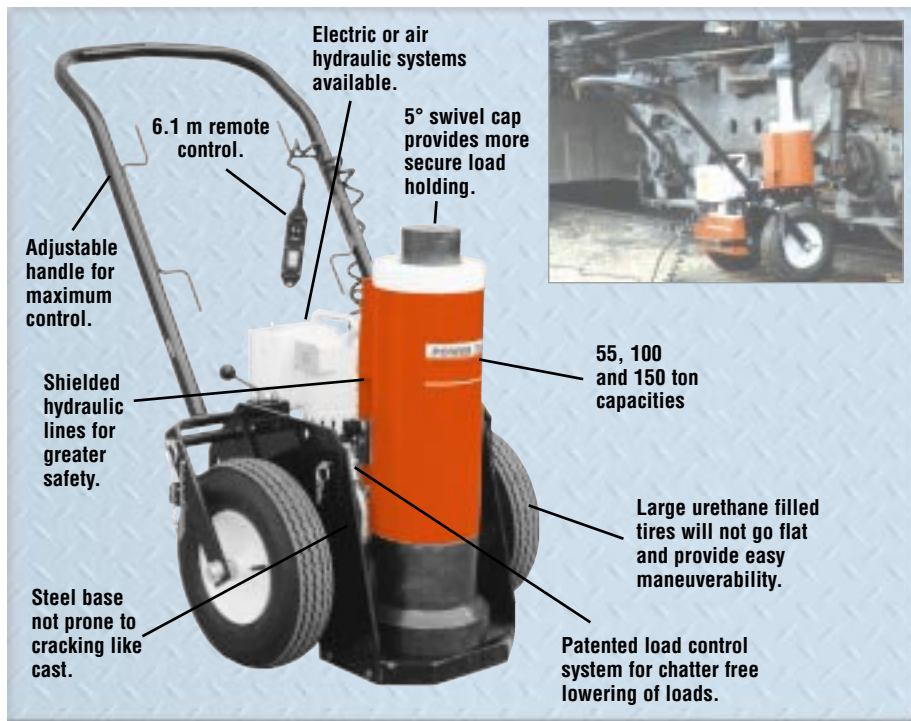
Qty.	Height	Order Number
1	38.1 mm	351954
4	76.2 mm	351953



# High Tonnage Portable Jacks

55, 100 & 150 Ton Capacity

Portable & compact, ideal for locomotive/railcar, mining and heavy equipment maintenance.



Accessories  
Page  
168



JACKS

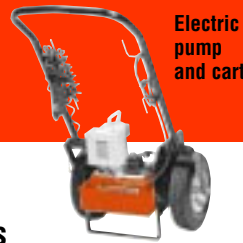
- Modular design - pump and cart separates from cylinder and base.
- Three tonnage capacity options - 55 ton, 100 ton & 150 ton.
- Three collapsed height options - 660.4, 838.2, 1,143 mm.
- Two standard power options - air (PA55) & electric (PE55).
- Two control options - remote motor control & remote valve/motor control.
- Accessory options - 168 mm extension, load holding rings.
- Standard Power Team hydraulic components - proven reliable yet easy to service.
- Select the collapsed height to fit your most frequent application - then add jacking modules to suit your needs.
- Remote operation for maximum operator safety and control - choose "motor only" or "motor and valve" control in the hand.
- Easy to maneuver - large tires and small "footprint" make it easy to scoot into the tightest quarters, then locate the exact lifting position.
- Adjustable, heavy duty handle - makes this jack easy to move, position under vehicles. Can also be used to transport jack on site with a forklift.
- Load-holding rings (optional) - provide full rated mechanical load-holding capability.
- Cylinder extension (optional) - adds more versatility by extending your jack's reach.
- Low-temperature oil (optional) - provides smooth, reliable operation in the coldest climate conditions.
- Modular design - allows you to change lifting modules to suit your tonnage or height requirements. Use the pump module as a portable power station for your other double-acting cylinders (700 bar).
- Exclusive load-control system - provides positive, chatter-free control when lowering the load.
- Shielded and sheltered hydraulic lines - for safer, longer trouble-free service.



Modular design allows for quick interchange of pump with other modules.



Air pump and cart



Electric pump and cart



660 mm Jack Module

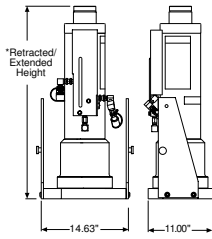


838 mm Jack Module

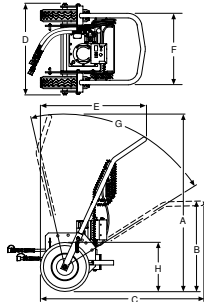


1,143 mm Jack Module

**JM Model Shown**



**PE Model Shown**



**Pump & cart modules**

Pump and cart modules contain hydraulic pump, cart, remote control and all hoses and fittings required to connect to a jack module. Jack modules easily separate from the pump and cart module. Extra jack modules may be purchased for a wide variety of lifting applications.

**Jack modules**

Additional Jack Modules may be purchased for varying applications.

	Remote Control	
Pump	Motor Only	Motor & Valve
Air	PMA55	PMA55S
Electric	Consult Factory	PME55S

	Collapsed Height		
Tonnage	660.4 mm	838.2 mm	1,143 mm
55	JM25	JM35	JM45
100	JM210	JM310	JM410
150	JM215	JM315	JM415

**DIMENSIONS**

Model Series	A	B	C	D	E	F	G	H
PMA & PME	1,464 mm	752 mm	1,353 mm	762 mm	872 mm	594 mm	*70°	40 cm Tire Dia.

\* Total range with varying degree increments.

**ORDER INFORMATION**

Capacity (tons)	Ret. Height (mm)	Ext. Height (mm)	Stroke (mm)	Pump Type	Power Required	Valve Type	Remote Control**	Order No.
55	660.4	994	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM5526
55	660.4	994	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR5526
55	660.4	994	333	Electric	25 amps	Manual	M	JEM5526-220
55	660.4	994	333	Electric	25 amps	Solenoid	M & V	JER5526-220
55	838.2	1,172	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM5533
55	838.2	1,172	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR5533
55	838.2	1,172	333	Electric	25 amps	Manual	M	JEM5533-220
55	838.2	1,172	333	Electric	25 amps	Solenoid	M & V	JER5533-220
55	1,143	1,476	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM5545
55	1,143	1,476	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR5545
55	1,143	1,476	333	Electric	25 amps	Manual	M	JEM5545-220
55	1,143	1,476	333	Electric	25 amps	Solenoid	M & V	JER5545-220
100	660.4	994	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM10026
100	660.4	994	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR10026
100	660.4	994	333	Electric	25 amps	Manual	M	JEM10026-220
100	660.4	994	333	Electric	25 amps	Solenoid	M & V	JER10026-220
100	838.2	1,172	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM10033
100	838.2	1,172	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR10033
100	838.2	1,172	333	Electric	25 amps	Manual	M	JEM10033-220
100	838.2	1,172	333	Electric	25 amps	Solenoid	M & V	JER10033-220
100	1,143	1,476	333	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM10045
100	1,143	1,476	333	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR10045
100	1,143	1,476	333	Electric	25 amps	Manual	M	JEM10045-220
100	1,143	1,476	333	Electric	25 amps	Solenoid	M & V	JER10045-220
150	660.4	994	460.4	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM15026
150	660.4	994	460.4	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR15026
150	660.4	994	460.4	Electric	25 amps	Manual	M	JEM15026-220
150	660.4	994	460.4	Electric	25 amps	Solenoid	M & V	JER15026-220
150	838.2	1,172	460.4	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM15033
150	838.2	1,172	460.4	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR15033
150	838.2	1,172	460.4	Electric	25 amps	Manual	M	JEM15033-220
150	838.2	1,172	460.4	Electric	25 amps	Solenoid	M & V	JER15033-220
150	1,143	1,476	460.4	Air	1.4 cu. m/min. @ 6 bar	Manual	M	JAM15045
150	1,143	1,476	460.4	Air	1.4 cu. m/min. @ 6 bar	Air Pilot	M & V	JAR15045
150	1,143	1,476	460.4	Electric	25 amps	Manual	M	JEM15045-220
150	1,143	1,476	460.4	Electric	25 amps	Solenoid	M & V	JER15045-220

JACKS