### Parameters

- **Model**: Various models (P66, P78, P96, P112, P126, P144)
- **Required SCFM @ 80 psi** end of arm travel (85 SCFM for P66, 72 SCFM for P78, etc.)
- **Reach (inches)**: 66.0 for P66, 78.0 for P78, etc.
- **Horizonal Travel (inches)**: 52.1 for P66, 62.1 for P78, etc.
- **Vertical Travel (inches)**: 44.7 for P66, 53.2 for P78, etc.
- **Required Headroom (inches)**: 106.4 for P66, 123.5 for P78, etc.
- **Minimum Pedestal Length w/ CL=0 (inches)**: 40.8 for P66, 52.3 for P78, etc.
- **Minimum Clearance Under Counterweight w/ CL=0 (inches)**: 39.4 for P66, 43.3 for P78, etc.
- **Required Minimum Clearance Under Counterweight (inches)**: 32.1 for P66, 32.1 for P78, etc.
- **Counterweight Swing Radius (inches)**: 60.7 for P66, 69.4 for P78, etc.
- **Worst Case Swing Clearance (inches)**: 2.0 for P66, 6.5 for P78, etc.
- **Minimum Overhead Spacer Length (inches)**: 3.00 for all models
- **Capacity (lbs)**: 940 for P66, 1250 for P78, etc.
- **Base Machine Weight (lbs)**: 1250 for P66, 1400 for P78, etc.
- **Maximum End of Arm Moment (360° Rotation) (inch-lbs)**: 15,000 for P66, 15,000 for P78, etc.
- **Base Machine Moment at Main Post (inch-lbs)**: 8,500 for P66, 8,500 for P78, etc.
- **Maximum Moment at Main Post (inch-lbs)**: 85,639 for P66, 85,537 for P78, etc.

### Notes

- All dimensions are nominal and may vary.

---

**Requirements**

- Requires 80 psi (100 psi max) clean, dry air to operate at rated capacity, includes payload and end-effector.
- All SCFM numbers are based on 80 psi (100 psi max) clean, dry air, includes payload and end-effector.

---

**Specifications**

- **Model**: SAM P SERIES
- **Scale**: 1:32
- **Date**: Nov-24-2015
- **Drawn By**: kps
- **DWG**: SAM P SERIES
- **Sheet**: 1 of 2
- **Rev**:
TROLLEY (200332201-S6)

OVERHEAD SPACER (200108501)

USE SPACER MOUNTING ASSEMBLY (200108500)

AIR ACCESS

360° MOUNTING ASSY (8927606)

PEDESTAL (200104601)

USE LEVELING JACK MOUNTING ASSEMBLY (200110001)
SEE PRINT FOR MOUNTING DETAIL
1" DIAMETER ANCHOR BOLTS

AIR ACCESS

PORTABLE BASE (200621340)

Positech reserves the right to change specifications, designs, prices, or discontinue models/options, at any time, without notice.

All designs, sketches and drawings are the property of Positech Corporation. Letting, or allowing to be let, the knowledge for design and/or fabrication from said designs, sketches or drawings without the written consent of Positech Corporation is expressly forbidden.