

RANSOME MANIPULATOR

Models 99 & 1212



Koike Aronson / Ransome manufactures a complete line of welding manipulators which maximize both safety and production.

Koike Aronson / Ransome manipulators are a versatile and rugged solution to obtain up to 30 feet of lift and reach to duplicate the function of a highly skilled welder. Manual or powered mobile sub base cars can be included for varying length weldments and procedures.

Many variations in speeds, controls, and welding equipment can be fitted to a manipulator. Both gear elevated and chain drive lifts are available to meet your needs. Special engineered manipulators are always available.

MACHINE FEATURES

- For positioning welding equipment
- Precise Reach and Lift ranges from 4 ft to 30 ft
- Roller Chain Elevation
- Base can be fixed, portable or mounted on travel car
- King-pin rotation equipped on the Mast



Model 99 - 12 x 12 Manipulator

Innovative Designs for Optimum Performance...



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RANSOME MANIPULATOR

Standard Ransome Manipulator

Additional sizes of the Model 99 and the Model 1212 are available.

| Type | Model 99 | Model 1212 |
|---|-------------------|-------------------|
| 1 Ram Construction | Box | Box |
| 2 Ram Ways | Square | Square |
| 3 Ram Drive | Powered | Powered |
| 4 Ram Drive Type | Rack & Pinion | Rack & Pinion |
| 5 Ram Drive H.P. | 1/2 | 3/4 |
| 6 Speed Range I.P.M. | 3.7 - 150 | 3.35 - 134 |
| 7 Remote Speed Control | *Standard | *Standard |
| 8 Standard Ram Travel (A) | *9' | *12' |
| 9 Minimum Ram Distance from Mast (B) | 28 1/2 | 39 1/2 |
| 10 Maximum Ram Travel (C) | 10' | 18' |
| 11 Ram Load, each end | 500 lbs. | 750 lbs. |
| 12 Total Ram Load (lbs) | 1000 lbs. | 1500 lbs. |
| 13 Mast Construction | Tubular | Tubular |
| 14 Mast Ways | Square | Square |
| 15 Replaceable Ways | Yes | Yes |
| 16 Mast Rotation-Degrees | 360 | 360 |
| 17 Mast Keeper Plates | Yes | Yes |
| 18 Safety Pawl Anti-Fall Device | Yes | Yes |
| 19 Lift Type | Roller Chain | Roller Chain |
| 20 Lift Drive H.P. | 1/2 | 3/4 |
| 21 Lift Reducer | Self Locking | Self Locking |
| 22 Lift Speed I.P.M. | 40 | 38 |
| 23 Standard Lift Travel (D) | *9' | *12' |
| 24 Minimum Ram Distance from Floor (E) | 28 1/2 | 39 1/2 |
| 25 Maximum Lift Travel (F) | 10' | 16' |
| 26 Overall Height of Standard Machine (G) | *14' 4 1/2 | *19' 5 1/2 |
| 27 Standard Work Envelope (H & I) | 9' x 10' 11 1/2 | 12' x 14' 8 |
| 28 Controls | Remote | Remote |
| 29 Shipping Weight | 4,000 lbs. | 8,500 lbs. |

***Add 1' height for each foot of additional lift to overall height**

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