

**RDA MD 6X6 NA Manipulator,
 RDA WMTCMD Travel Car**

**Medium Duty
 6 ft x 6 ft**

The RDA MD 6X6 NA manipulator with optional medium-duty travel car provides excellent welding results with maximum productivity through consistent and accurate placement of welding heads for automatic welding processes including inside, outside, longitudinal and circumferential welding applications and can also be used in conjunction with polishing and grinding heads. Structural steel with continuously welded roundways along with rack and pinion driven movement provide enhanced durability and extended overhaul intervals. Control is via a 7-function push button hand pendant control with a separate 5-function pendant control for use with the optional travel car. Safety features include an integrated anti-fall device and UL /CE certified control boxes with IP65-rated enclosures. All Red-D-Arc manipulators have been tested and certified by UL to establish safe working loads - a first in the weld automation industry.

Specifications

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|---------------------------------------|--|
| Model | RDA MD 6X6 NA |
| Maximum Load | 500 lb (227 kg) @ 18 in (457 mm) C of G |
| Max. Height Under Ram | 106.3 in (2700 mm) / 113 in (2872 mm) with travel car |
| Vertical Ram Travel | 78.7 in (2000 mm) |
| Vertical Ram Speed | 78.7 in/min (2000 mm/min) |
| Lift Motor | 0.75 kW with brake |
| Max. Horizontal Extension | 103.7 in (2635 mm) from CL of mast |
| Horizontal Ram Travel | 78.7 in (2000 mm) |
| Horizontal Ram Speed | 3.9 - 78.7 in/min (100 - 2000 mm/min) |
| Ram Motor | 0.37 kW |
| Rotation | Manual 360°, lockable |
| Control | Push button pendant, 50 ft control cable |
| Control Functions | Up/down/in/stop/out/speed control/emergency stop |
| Primary Input Power | 380 to 480 V, 3 phase, 50/60 Hz (optional 600 V, 3 phase, 60 Hz) |
| Input Current at Rated Load | 6.1 A |
| Overall Height | 132.4 in (3363 mm) / 139.2 in (3535 mm) with travel car |
| Weight | 3637.6 lb (1650 kg) / 5291.1 lb (2400 kg) with travel car |
| Control Box Ingress Protection Rating | IP65 |
| Control Box Electrical Certification | UL508 |
| Loading Capacity Certification | UL2011 |
| | |
| RDA WMTCMD Travel Car | Order separately |
| Travel Car Control | Push button pendant, 26 ft (8 m) control cable |
| Control Functions | Forward/stop/reverse/speed control/emergency stop |
| Travel Speed | 3.9 - 78.7 in/min (100 - 2000 mm/min) |
| Input Power | 110 V, 1 phase, 50/60 Hz |
| Rail Gauge | 56 ½ in gauge for 90 lb or 85 lb A.S.C.E. and A.R.A.-A rail |



Red-D-Arc Welderentals, an Airgas company, rents and sells welding and weld-positioning equipment - around the world.

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