

PANDJIRIS, INC

5151 Northrup • St. Louis, MO 63110 • (314) 776-6893

4,500 LB. CAPACITY WELDING POSITIONER

The Model 45-12 MVRMTAB Positioner has a motorized variable speed rotation with Forward-Stop-Reverse switch and dynamic braking. The rotation speed is variable from 0.03 to 0.97 RPM with motorized tilt infinitely variable through 135 degrees. A 48" square table with adjustable height to allow full tilting capability is standard. Three positions with pinned hole locations. All wiring conforms to National Electrical Code Standards. The positioner operates on 460-volt, three phase, 60 cycle input power, 10 amps (230V, 15 amps, available upon request). When ordering specify 230 or 460 volts. A field changeable plug-in hand pendant includes "Forward-Stop-Reverse-Weld/Rapid-E-Stop" buttons and a speed adjustment potentiometer on 25' of cable as standard. Tilt Up/Down Pushbuttons located on the side of the main electrical enclosure. Control voltage is 24 VAC. Equipment is high frequency protected.

Load capacity4,500 lb. 12-inch overhung from face of table, 12-inch eccentricity.
Rotational motor size 1-1/2 H.P. motor.
Rotation speed Variable from 0.03 to 0.97 RPM.
Rotation torque (R_t) 54,000-inch pounds.
Swing radius 34-5/8" to 51-1/8" @ 90° tilt
Tilt range 0 through 135 degrees, motorized.
Tilt motor size 1-1/2 H.P. AC Brakemotor.
Tilt Speed 135 degrees in 30 seconds.
Tilt Torque (T_t) 79,875-inch pounds inherent.

The Model 45-12 MVRMT-VPL Positioner is the same as Adjustable Base unit except with vertical power lift via acme jack screw, linear rail guide bearings, 1 ½hp Brakemotor, 21 IPM, overtravel limit switch protection. Up/Down push buttons momentary contact located in the side of the electrical enclosure next to the Tilt Up/Down push buttons. Table height infinitely adjustable between 42" and 56" above floor line. Rotation Centerline at 90 degrees forward tilt is 41 ¼" to 55 ¼" above the floor line with swing radius at 37 5/8" to 51 5/8". Estimated ship weight for 45 MVRMT-VPL is 3,730 lbs.

Optional Accessories

Foot switch with compatible plug for Forward/Stop/Reverse (speed potentiometer on hand pendant)
Foot switch, Variable Speed with compatible plug
Preset digital tachometer with compatible plug reads speed in RPM
Dialweld®, (shows linear speed in IPM for diameter set on diameter selector. Dial diameter to be welded, dial weld speed, table RPM is automatically set to weld diameter at selected welding speed) digital meter with compatible plug reads IPM or CmPM
25' Extension Cable with compatible plugs for standard pendants and accessories
OS-30 Outboard Support Stand, 3,000# capacity
Model 600 PT Copper Welding Ground
Model 1200 PT Copper Welding Ground
48" Round Table
Encoder Feedback for Precision Speed Control
Hand Pendant with Tilt Up/Down in Addition to Standard Features, In Lieu of Standard Pendant
Wireless Foot Switch or Wireless Hand Pendant

Terms: Pandjiris, Inc. standard terms and conditions apply, f.o.b. Factory, St. Louis, Missouri, or designated ship point.

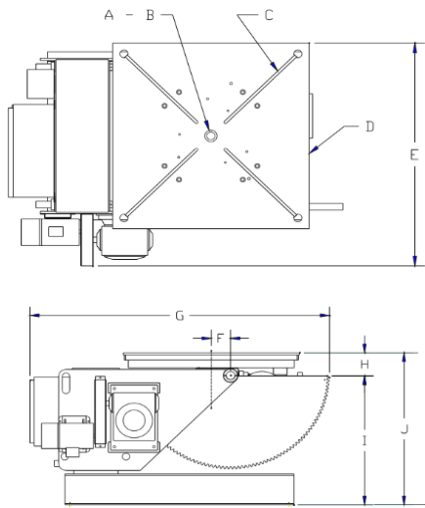
Delivery: Consult Factory
Approximate shipping weight: 3,000 lbs.

PRICE LIST

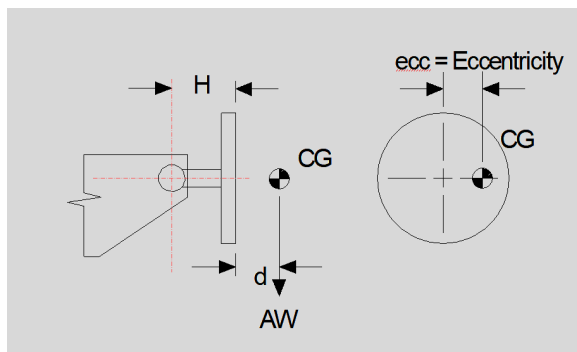
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A	Pilot Hole	3" ϕ x 1/4" Deep
B	Thru Hole	2-1/4" ϕ
C	"T" Slot Quantity	4
	ANSI Std "T" Nut size	5/8"
D	Table Size	48" sq.
E	Overall Width	54-3/16"
F	Rotation Offset	5"
G	Overall Length	67-11/16"
H	Inherent Overhang	5-3/4"
I	Tilt Axis Height	33-1/4"
J	Table Height min	39"
	(3) Positions max	57"



RATED OVERHUNG LOAD	
d (inches)	AW (pounds)
0 to 12	4,500
18	3,420
24	2,758
30	2,310
36	1,988
42	1,744
48	1,554

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