



Specification Data
3 x Axis Positioner
Capacity : 3 Tonnes
Adjustable Height

RedRock Positioner Model LPH3 Series is designed to give maximum positioning flexibility by using the tilt, height and rotation of the table to manipulate the work piece into the correct 'down hand' position for welding or to position accurately for assembly and manufacturing requirements. The table is machined with four radial slots for anchor bolts and centric marking on the surface table, a set of tapered bearing mounted below the table to give a smooth and constant turning during operation. Powered driven by AC motor controlled by AC inverter system. A variable speed controlled by a standard control pendant with low voltage push button and potentiometer with a 6-metre control cable built in. Tilt movement is electrically powered driven by 1.5 KW AC motor with dynamic braking through reducer gearbox. Built in with 800amps rotary clamp to ensure good earthing to the welding power source.

Table diameter 1000mm
Maximum Table Height: 1660mm
Minimum Table Height: 1020mm



Specifications

3-Axis Positioner to provide maximum flexibility

Model:	LPH3
Pendant Control:	24VAC circuit, push button with 6metre cable
Input voltage:	380-415V/3phase/50-60Hz (specify voltage requirement when ordering)
Rotation Capacity:	3 metric tons at 300mm centre of gravity
Rotation Speed:	0.06 to 0.6 rpm
Tilting Capacity:	3 metric tons at 300mm eccentric loading
Tilt Range:	0 to 135 Degrees
Tilt Speed:	135 degrees in 50 seconds
Rotation Drive Motor:	1.5 KW motor
Rotation Drive Control:	1.5 KW AC inverter
Tilt Drive Motor:	1.5 KW motor c/w brake
Estimate weight:	1200kg

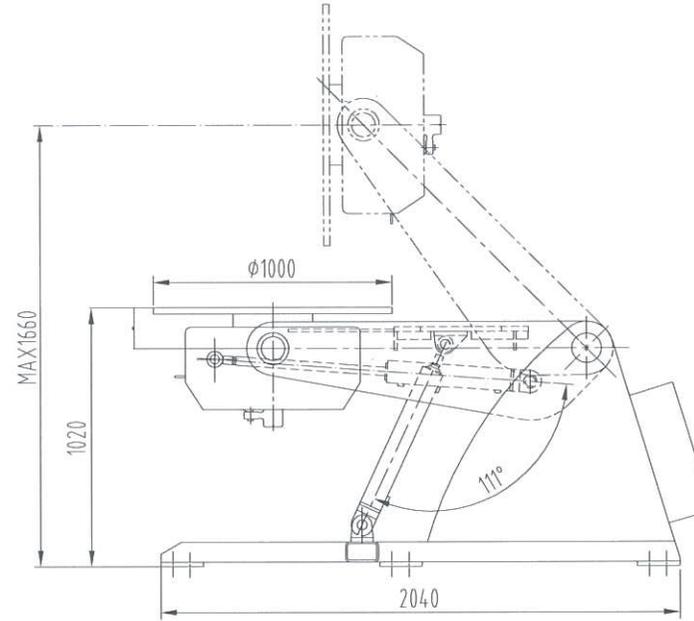
LPH3 (3 Tonne) (adjustable height)

Specification for Hydraulic Positioner

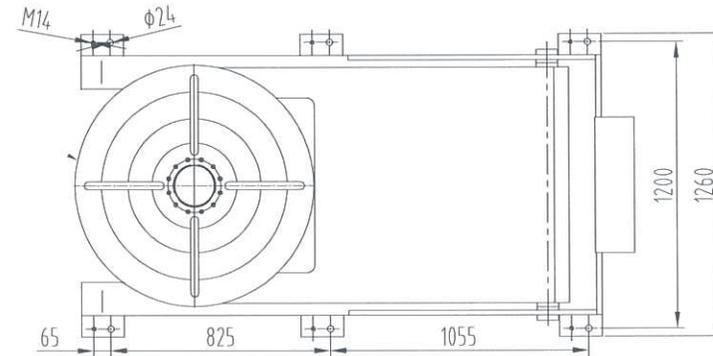
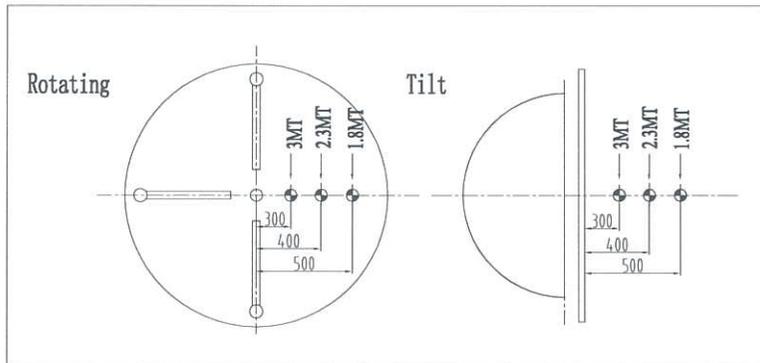
1	Model	LPH3-1C-WE-E
2	Capacity(Turning)	3MT @ 300mm (Please refer to load chart)
3	Capacity(Tilting)	3MT @ 300mm (Please refer to load chart)
4	Diameter of table	Ø1000x28mm C/W 4 x slot(19mm)
5	Tilt Range Of Table	0~135°
6	Rotation Speed	0.06-0.6rpm at 5-50Hz
7	Rotation Drive Motor	1.5kw c/w force Cooling
8	Rotation Drive Control	1.5Kw AC Inverter
9	Tilt Range Of Arm	0~45°
10	Tilt Drive & Vertical	Hydraulic Unit System 21Mpa 2.2KW 50L
11	Hydraulic Cylinders	Bore -Ø90 RodsizeØ40And Bore-Ø 100 RodsizeØ56
12	Earthing	800A
13	Electrical Panel	Yes
14	Incoming Supply	400V-3P-50Hz
15	Control Voltage	24VAC
16	Control Means	Via Push Button Pendant c/w 6m cable
17	Surface Preparation	Gritblast to SA2.5
18	Painting	Powder Coating
19	Color	RAL3003 Red & RAL9005 Black for Tilt box & Table only
20	Qty	1 Unit
21	Est Weight(kg)	1200

Note:

1) This drawing is accurate at time of preparation and may be subjected to final design.



LOAD CHART



ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

REDROCK

CUSTOMER APPROVAL



CHECKED BY: PT

DRAWN BY: Y



06-03-2013

REV	DATE:	DESCRIPTION:	EDIT BY:	REMARKS
CUSTOMER:		3T HYDRAULIC POSITIONER		
DRAWING NAME:		PD-0152-GA01		
DRAWING NO:		0		
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				SCALE: N.T.S.
				REVISION: 0
				SHEET 1 OF 1