



Specification Data
Positioners
Capacity : 1 Tonne
Fixed Height

RedRock Positioner Model LPE1-WE Series is designed to give maximum positioning flexibility by using the tilt 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 0.75 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 900mm.



Specifications

| | |
|-------------------------|---|
| Model: | LPE1-WE |
| Pendant Control: | 24VAC circuit, push button with 6metre cable |
| Input voltage: | 380-415V/3phase/50-60Hz (specify voltage requirement when ordering) |
| Rotation Capacity: | 1-metric ton at 300mm |
| Rotation Speed: | 0.1 to 1.2 rpm |
| Tilting Capacity: | 1-metric ton at 300mm c of g |
| Tilt Range: | 0 to 135 Degrees |
| Tilt Speed: | 135 Degree in 65 second |
| Rotation Drive Motor: | 0.75 KW motor |
| Rotation Drive Control: | 0.75 KW AC inverter |
| Tilt Drive Motor: | 0.75KW motor c/w brake |
| Estimate weight: | 950kg |

LPE1-WE (1Tonne)

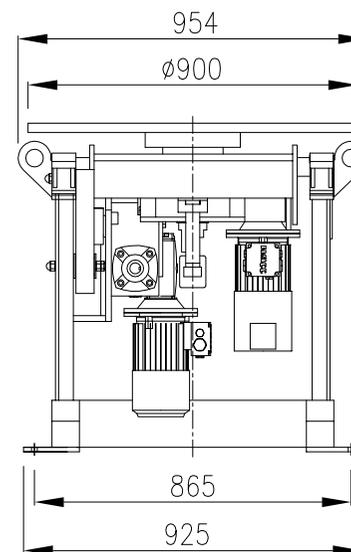
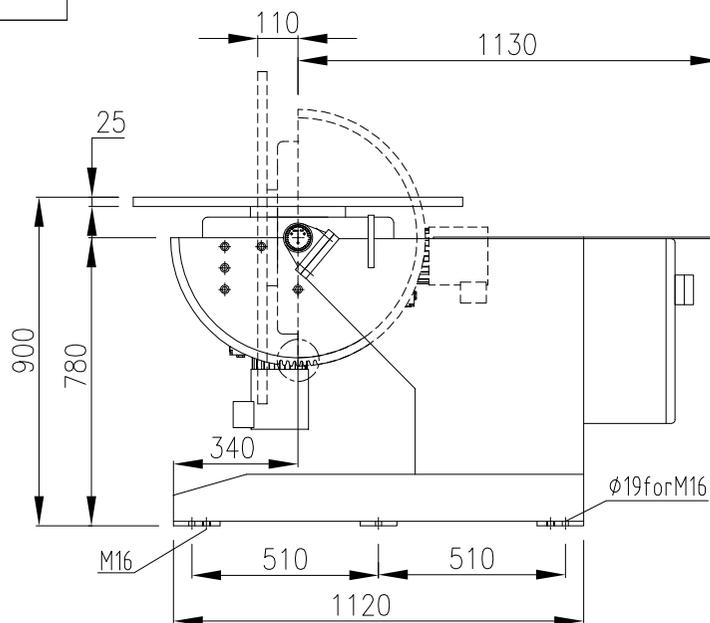
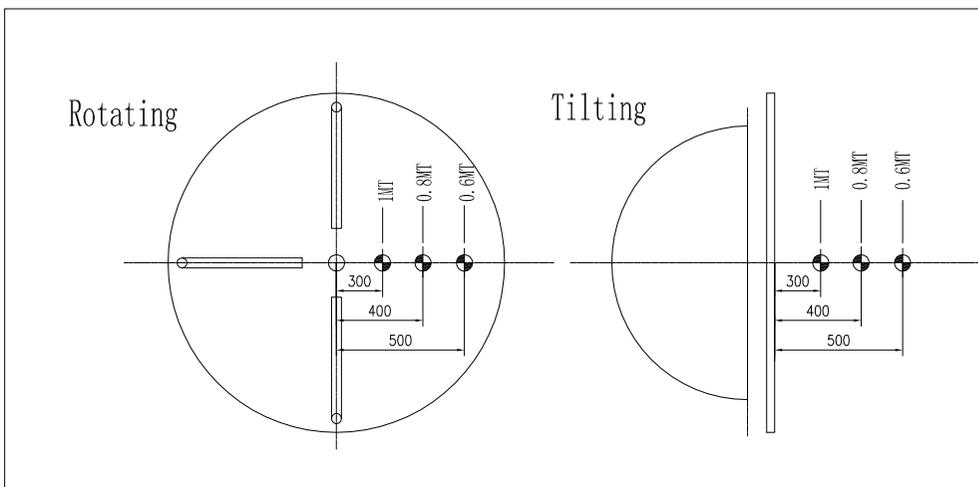
Specification for Positioner

| | | |
|----|------------------------|--|
| 1 | Model | LPE1-WE |
| 2 | Capacity (Turning) | 1MT @300mm(Please refer to load chart) |
| 3 | Capacity (Tilting) | 1MT @300mm(Please refer to load chart) |
| 4 | Electrical Panel | Yes |
| 5 | Rotation Speed/power | 0.1-1.2rpm at 5-50Hz /0.75kw c/w force Cooling |
| 6 | Tilt Range/power | 0-135° in 65sec/0.75kw c/w brake |
| 7 | Incoming Supply | 380/400/415V-3P-50Hz or 440/460/480V-3P-60Hz |
| 8 | Control Voltage | 24VAC |
| 9 | Rotation Drive Control | 0.75kw AC Inverter |
| 10 | Control Means | Via Push Button pendant c/w 6m cable |
| 11 | Talole Size | ø900X25t C/W 4X slot(19) |
| 12 | Earthing | 800A |
| 13 | Surface Preparation | Gritblast to SA2.5 |
| 14 | Painting | Powder Coating |
| 15 | Color | RAL 3003 RED & RAL9005 Black for tilting box and table |
| 16 | Qty | 1 unit |
| 17 | Est Weight(kg) | 675 |
| 18 | Shipping dimension/cm | 100(L)X93(B)X92(H) |

Note: :

- 1) This drawing is accurate at time of preparation and may be subjected to final design.
- 2) Input terminals are wired for 400V by default.

LOAD CHART



ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.

| REV | DATE | DESCRIPTION | EDIT BY | REMARKS | SCALE: N.T.S. |
|--|------|---------------|---------|---------|------------------|
| CUSTOMER: | | | | | |
| DRAWING NAME: | | 1T Positioner | | | |
| DRAWING NO.: | | LPE 1-WE | | | REVISION: 2 |
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CUSTOMER APPROVAL

CHECKED BY:

DRAWN BY:

29-11-2010