

BURNY CHC 6 Torch Height Control

Burny Levitator systems automatically maintain the optimum distance between a flame cutting torch and steel plate

- Improves cut quality and reduces scrap
- Numerous design features and performance benefits maximizes productivity
- Interface to many different motor configurations
- Available with new machinery or to retrofit existing torches
- Available as a complete system including sensor ring, cable and bending device or as a stand alone control console

The Levitator System makes it easy for operators of gantry or cantilever shape cutting machines to maintain an optimum cutting distance between the torch tip and the steel plate. It is available from the Burny Division of Cleveland Motion Controls, the global leader in dedicated shape cutting controls and drive systems that improve productivity and reduce costs. By maintaining a constant working distance between the torch tip and the plate, the Levitator System provides consistent high quality cuts, provides faster and more reliable piercing cycles, and enables the machine to cut at maximum speeds. With consistent quality and accuracy, it reduces scrap. In addition, the Levitator System can maximize productivity by freeing the operator, allowing him to perform other tasks while the torches operate unattended.



| | Levigator CHC 6 | Levigator 50 | Levigator 50 | Levigator 50 |
|----------------------------|--------------------------|----------------------------|----------------------------|----------------------------|
| Motor Field Supply | 1 A max, 24 VDC nominal | 200 VDC | N/A | 100VDC |
| Environment | 0-60 C for control | 0-60 C for control | 0-60 C for control | 0-60 C for control |
| Accuracy | .1mm | .1mm | 1.5mm | 1.5mm |
| Max. output amperage | 6A | 1A | 1A | 1A |
| Input voltage | 24 VAC +/- 10%, 50/60 Hz | 220 VAC, +/- 10%, 50/60 Hz | 220 VAC, +/- 10%, 50/60 Hz | 115 VAC, +/- 10%, 50/60 Hz |
| Output voltage | 24 VDC, Shunt Wound | 180 VDC, Shunt Wound | 220 VAC, 50 Hz, Universal | 100 VDC Shunt Wound |
| Min. Height distance | 5 mm | 5mm | 5mm | 5mm |
| Max. Height distance | 20 mm | 20mm | 20mm | 20mm |
| Speed of response | 3000 mm/min max | 1500 mm/min | 1500 mm/min | 1500 mm/min |
| Part number (control only) | MO-13770 | X38-22105 | X38-22106 | X38-22107 |

| | Levigator 50 | Levigator 50 | Levigator 50 | Levigator 50 |
|----------------------------|----------------------------|----------------------------|------------------------------|------------------------------|
| Motor Field Supply | N/A | N/A | N/A | N/A |
| Environment | 0-60 C for control | 0-60 C for control | 0-60 C for control | 0-60 C for control |
| Accuracy | 1.5mm | 1.5mm | 1.5mm | 1.5mm |
| Max. output amperage | 1A | 1A | 5A | 5A |
| Input voltage | 115 VAC, +/- 10%, 50/60 Hz | 24 V AC or DC | 220 VAC, +/- 10%, 50/60 Hz | 115 VAC, +/- 10%, 50/60 Hz |
| Output voltage | 115 VAC, Universal | 24 VDC, 1 amp, Shunt Wound | Relay Output, Permant Output | Relay Output, Permant Magnet |
| Min. Height distance | 5 mm | 5mm | 5mm | 5mm |
| Max. Height distance | 20 mm | 20mm | 20mm | 20mm |
| Speed of response | 1500 mm/min max | 1500 mm/min | 1500 mm/min | 1500 mm/min |
| Part number (control only) | X38-22108 | X38-22109 | X38-22110 | X38-23074 |

| | Levigator 300 | Levigator 300 | Levigator 300 | Accessory Kits |
|----------------------------|----------------------------|--------------------|--------------------|-----------------------------------|
| Motor Field Supply | 200VDC | N/A | 200VDC | w/500mm cable: MO-13785-500 |
| Environment | 0-60 C for control | 0-60 C for control | 0-60 C for control | w/1000mm cable: MO-13785-1000 |
| Accuracy | 0.1mm | 0.1mm | 0.1mm | w/1200mm cable: MO-13785-1200 |
| Max. output amperage | 1.33A | 4A | 2.5A | w/1500 mm cable: MO-13785-1500 |
| Input voltage | 230 VAC, +/- 10%, 50/60 Hz | 24 VDC 230 | VAC, 50/60 Hz | |
| Output voltage | 115 VDC, 150 W | 24 VDC, 100 W | 115 VDC, 300W | |
| Min. Height distance | 5 mm | 5mm | 5mm | |
| Max. Height distance | 20 mm | 20mm | 20mm | |
| Speed of response | 3000 mm/min max | 3000 mm/min | 3000 mm/min | |
| Part number (control only) | X38-28737 | X38-29207 | X38-22110 | |

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