

# ME H089~H133 3ph LCU L | Open/Close/Jog/Mod

Overview, Specifications, Dimensional Data, Materials of Construction, Wiring Diagrams

Max Air Electric™

Max-Air  
TECHNOLOGY

Rev: 08/1/23



Website

## ME H089~H133 3ph LCU L Series Open/Close/Jog/Modulating



## Overview

The ME H089~H133-3ph LCU L Series are quarter-turn electric industrial service actuators delivering up to 13280 in-lbs torque in voltages up through 460v, and available in 2 position (Open/Close), Floating (Open/Close/Jog) or Modulating (4-20mA default or 2-10vdc) control schemes. Units are equipped with a Local Control Unit (LCU) Knob/Knob Type with Open, Closed & Power indicators, Remote Mode Status Output, and Fault Mode Status Output, to facilitate HOA operation at the actuator. (2) Form C auxiliary switches and an internal anti-condensate heater are standard. Key features include:

- 3 phase models operate on 50 or 60Hz supplies.
- 3D Raised Position indicator
- ISO5211 compliant mounting with double-square drive socket
- Clutch-free manual override system standard
- Torque switches
- Reversing Starter, Safeties, Interlocks
- LCU with remote status outputs for Mode and Fault

### Options

- IP68 Submersion
- Chain Wheel Override
- Manual Override Lockout

## Specifications

|        |                                         | ME H089-3ph LCU L                                              | ME H133-3ph LCU L             |
|--------|-----------------------------------------|----------------------------------------------------------------|-------------------------------|
| Supply | Torque Output (in-lb / Nm)              | 8855 in-lb / 1000Nm                                            | 13280 in-lb / 1500Nm          |
| 220V   | Starting Current - AC Amps              | 4.8                                                            | 4.8                           |
|        | Running Current - AC Amps               | 1.2                                                            | 1.2                           |
|        | Speed (90°) @60Hz, seconds @ rated load | 52                                                             | 54                            |
|        | Motor, Voltage, Type, Class             | 220VAC Polyphase TENV Class F                                  | 220VAC Polyphase TENV Class F |
|        | Motor Power                             | 120W                                                           | 120W                          |
|        | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                      |                               |
| 380V   | Starting Current - AC Amps              | 2.6                                                            | 2.6                           |
|        | Running Current - AC Amps               | 0.6                                                            | 0.6                           |
|        | Speed (90°) @60Hz, seconds @ rated load | 52                                                             | 54                            |
|        | Motor, Voltage, Type, Class             | 400VAC Polyphase TENV Class F                                  | 400VAC Polyphase TENV Class F |
|        | Motor Power                             | 120W                                                           | 120W                          |
|        | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                      |                               |
| 460V   | Starting Current - AC Amps              | 1.6                                                            | 1.6                           |
|        | Running Current - AC Amps               | 0.4                                                            | 0.4                           |
|        | Speed (90°) @60Hz, seconds @ rated load | 52                                                             | 54                            |
|        | Motor, Voltage, Type, Class             | 460VAC Polyphase TENV Class F                                  | 460VAC Polyphase TENV Class F |
|        | Motor Power                             | 120W                                                           | 120W                          |
|        | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                      |                               |
| ALL    | Environmental Rating                    | NEMA 4/4X & IP67                                               |                               |
|        | Electrical Entry                        | 3/4" EMT x 2                                                   |                               |
|        | Control                                 | Open/Close, Open/Close/Jog, Modulating, 2 Position, 3 Position |                               |
|        | Auxiliary Switch - End of Travel        | (2) Form C Volt-Free, Rated 10A @ 250vac, 5A @ 30VDC           |                               |
|        | Ambient Operating Range                 | -22°F to +158°F / -30°C to + 70°C                              |                               |
|        | Humidity Range                          | 0-95% RH                                                       |                               |
|        | Altitude Limit                          | 9850 ft / 3000 m                                               |                               |
|        | Weight (kg / lbs)                       | 35 kg / 77 lbs                                                 |                               |

\* All Amperage and speed specifications based on Open/Close Standard Duty motors @ 40°C ambient.

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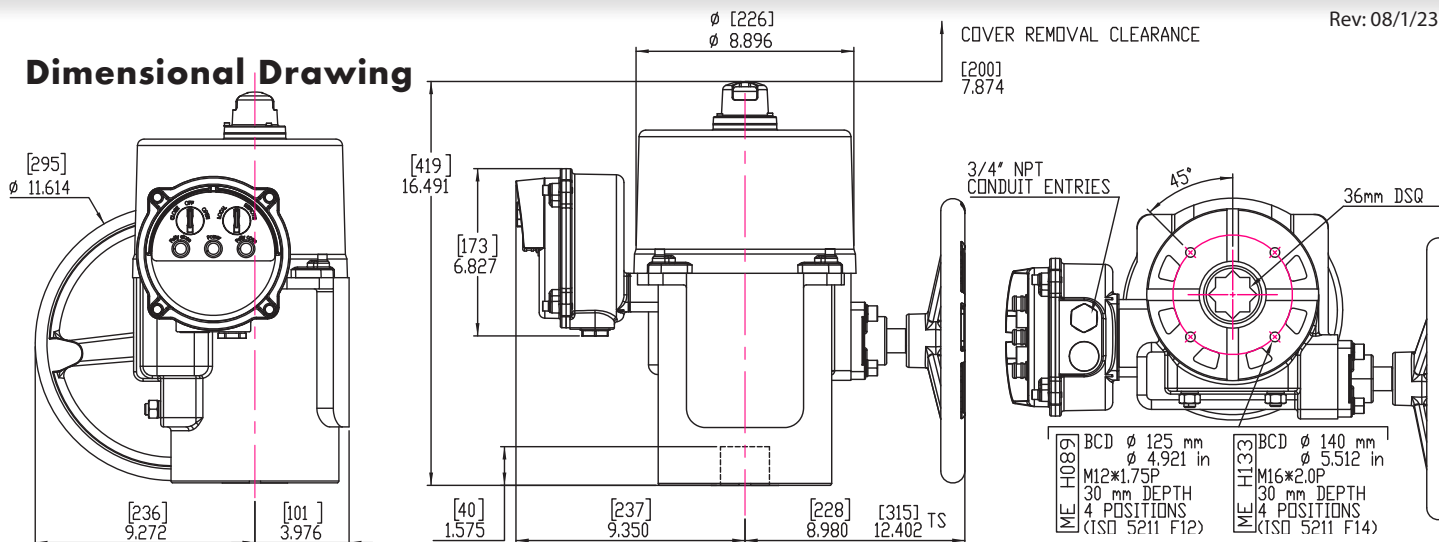
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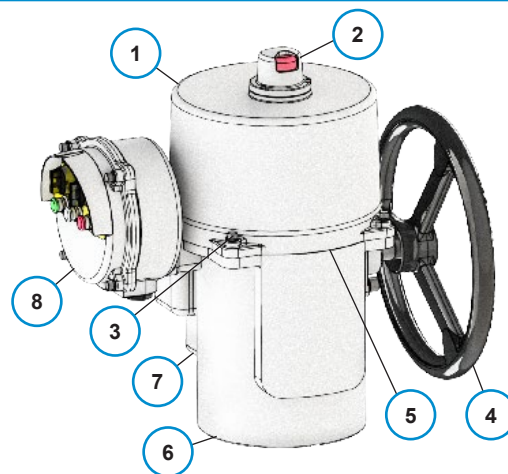


## Dimensional Drawing



## Materials of Construction

| # | DESCRIPTION               | MATERIALS                                           |
|---|---------------------------|-----------------------------------------------------|
| 1 | IP67 Actuator Housing     | ADC3 Aluminum Alloy                                 |
| 2 | Indicator                 | ADC10 Cast Aluminum Shield Over Clear Polycarbonate |
| 3 | Captured Cover Screw      | SUS304 Stainless Steel (Qty. 4)                     |
| 4 | Manual Override Handwheel | Aluminum Epoxy Coated                               |
| 5 | IP67 Cover Seal           | NBR O-Ring                                          |
| 6 | Main Output Gear          | FCD60 Graphite Iron Casting                         |
| 7 | Mechanical Stop Screws    | SUS304 Stainless Steel (Qty. 2)                     |
| 8 | IP67 Local Control Unit   | ADC3 Aluminum Alloy                                 |



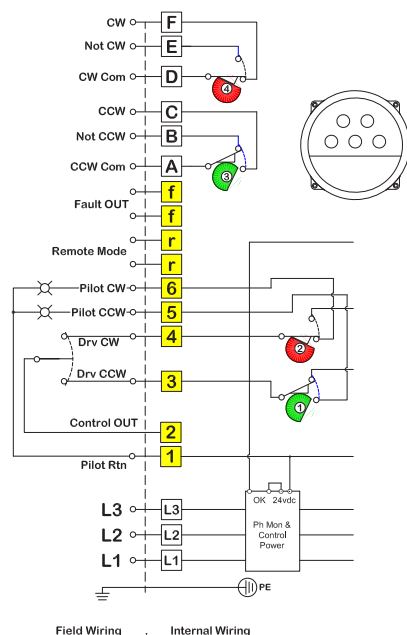
## Wiring Diagrams

Typical wiring diagram shown.

Max-Air reserves the right to change specifications through a continuous-improvement program.

Contact Max-Air for product specific wiring diagrams prior to engineering or installation efforts.

Open/Close/Jog



Modulating

