

ME J177~J221 3ph | Open/Close/Jog/Mod

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

Max Air Electric™

Max-Air
TECHNOLOGY

Rev: 06/21/22



Website

ME J177~J221 3ph Series Open/Close/Jog/Modulating



Overview

The ME J177~J221-3ph Series are quarter-turn electric industrial service actuators delivering up to 22140 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. Integrated reversing starter and interlocks. (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 round double-key socket
- Clutch-free manual override system standard
- Torque switches
- Motor Starter

Options

- Local Control Stations
- IP68 Submersion
- Chain Wheel Override
- Manual Override Lockout

Specifications

		ME J177-3ph	ME J221-3ph
Supply	Torque Output (in-lb / Nm)	17710 in-lb / 2000Nm	22140 in-lb / 2500Nm
220V	Starting Current - AC Amps	6.5	6.2
	Running Current - AC Amps	1.1	1.2
	Speed (90°) @60Hz, seconds @ rated load	64	64
	Motor, Voltage, Type, Class	220VAC Polyphase TENV Class F	220VAC Polyphase TENV Class F
	Motor Power	180W	180W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
380V	Starting Current - AC Amps	3.9	3.9
	Running Current - AC Amps	0.7	0.8
	Speed (90°) @60Hz, seconds @ rated load	64	64
	Motor, Voltage, Type, Class	400VAC Polyphase TENV Class F	400VAC Polyphase TENV Class F
	Motor Power	180W	180W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
460V	Starting Current - AC Amps	3.6	3.6
	Running Current - AC Amps	0.6	0.7
	Speed (90°) @60Hz, seconds @ rated load	64	64
	Motor, Voltage, Type, Class	460VAC Polyphase TENV Class F	460VAC Polyphase TENV Class F
	Motor Power	180W	180W
	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)	71 kg / 156.2 lbs	

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

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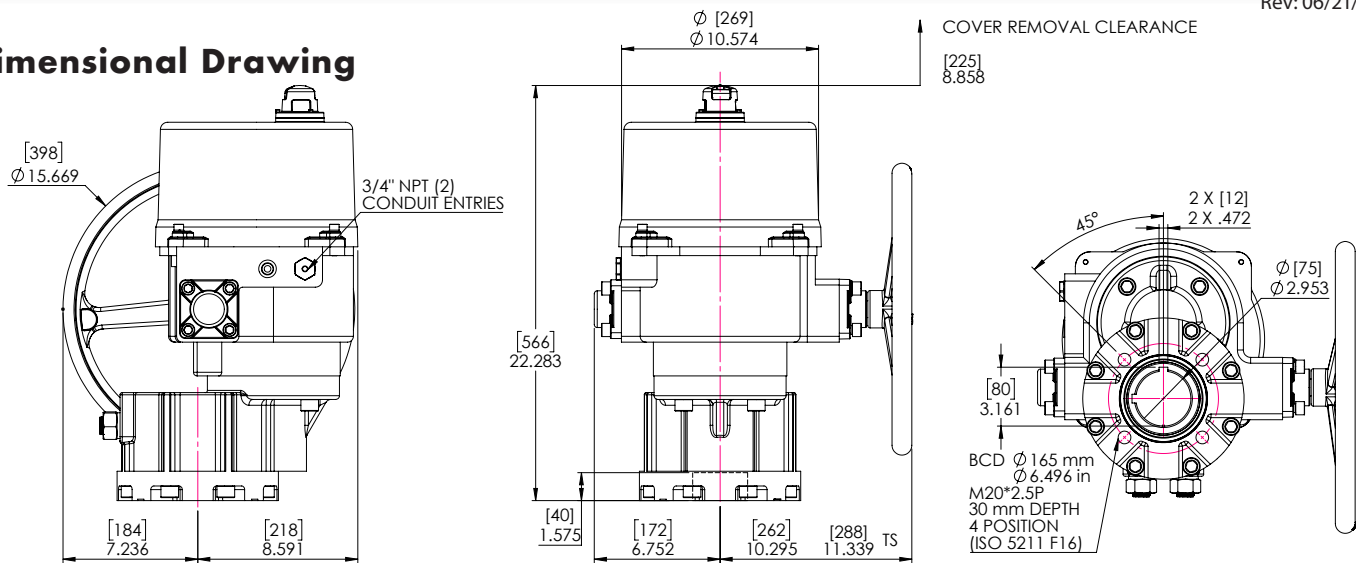
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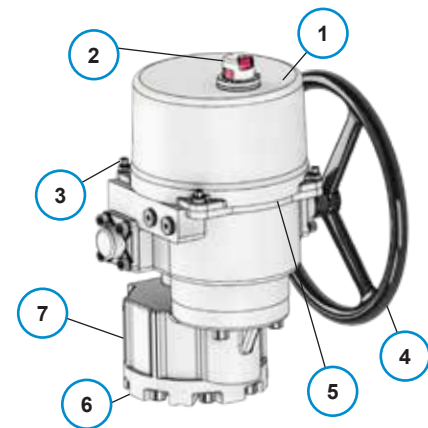
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Dimensional Drawing



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)



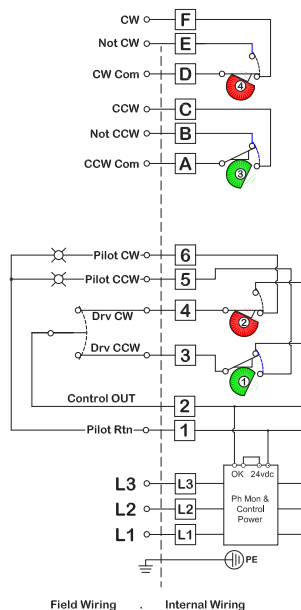
Wiring Diagrams

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

