



UL-Recognized models available

### Quasar Actuator Features

- Quasar actuators are for awning windows, hoppers, curtain wall vents and skylights.
- Multiple vents can be wired in parallel, and can be operated by building automation systems.
- 15”/380mm chain operator (20”/500mm special order); self-adjusting for proper closure at installation.
- Operator has stainless steel, double-link chain for rigidity and durability.
- Examples of 66 lbs operating force: a 48” tall/422 lb. vent or a 132 lb. skylight (with 15” chain).
- Low-profile, attractive aluminum case; available in black, white or gray paint.
- Minimum sash height is 12” for 15” chain (16” for 20” chain). Standard pivot brackets included.
- Quasar F-Signal (DC) has opening and closing feedback signal, ask for data sheet.
- Two-year UCS manufacturer’s warranty. Requires reading FFI Install Guide before purchase, and confirmation of project and installation specs by licensed electrical contractor.
- Functional Fenestration Inc (FFI) has a wide range of actuators for institutional, commercial or residential applications. FFI has been providing motorized operators for windows and skylights since 1987, and today is an expert and leader in actuators for automation, natural ventilation, and smoke evacuation.

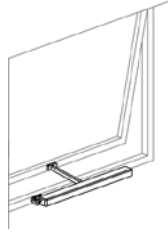
### Quasar Specifications

	Quasar AC	Quasar DC UL
supply voltage	100 Vac – 240 Vac, 60 Hz line current	24 Vdc ± 10% low voltage
normal current amp draw*	0.4 amps – 0.2 amps	0.8 amps average*
power cable (1.5 m)	white color; 4 conductors (2x load, common, ground)	white color; 2 conductors (± polarity inversion)
chain stroke	380 mm (15 inches) or 500 mm (20”)	380 mm (15 inches) or 500 mm (20”)
chain speed	15 mm (0.6 inches) per second	15 mm (0.6 inches) per second
limit stop	electronic limit switch	electronic limit switch
safety stop	electronic overload switch	electronic overload switch
typical switch	SPDT momentary contact (3 leads + ground)	DPDT maintained contact (6 leads)
safety marks	ANSI/UL pending; CE	ANSI/UL Recognized; CE
UL projects	DC models are UL Recognized	
push/pull force	66 lbs (300 N)	
environment	14 to 140 degrees F (-10 to 60 degrees C); maximum relative humidity 60%	
control options	Wall switch or CRM keypad; add remote control and weather sensors (rain, wind, thermostat) with CRM	

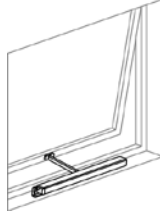
\* Quasar DC start up current is 3.5 amps for one actuator. Calculate power supplies and relay boxes needed based on peak draw of 2 times normal amp draw, or 2 – 3.5 amps per actuator.

**Application Options**

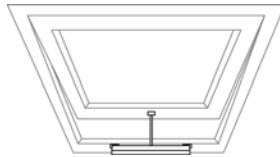
On Wall or Frame



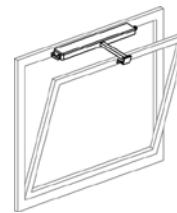
Awning



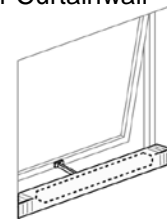
Skylight



Hopper



Concealed in Frame or Curtainwall



- Optional brackets may be required for hopper and wall mounting.
- Read FFI Installation & Maintenance Guide before specifying project details.
- CAD files available on request from FFI.



installs on sash, sill or wall



chain operator attached to frame

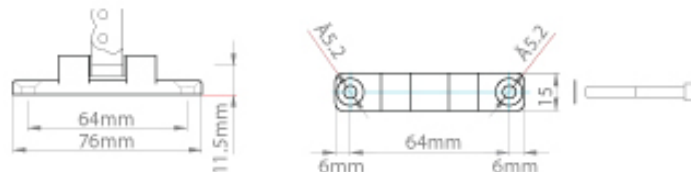


standard pivot brackets (included)

**Case Dimensions**

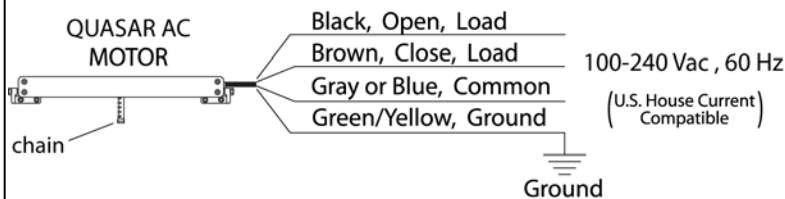
Height: 1 1/4" (32mm)  
 Depth: 1 7/8" (47.5mm)  
 Length: 26 5/8" (676mm)

**Sash Bracket Dimensions**

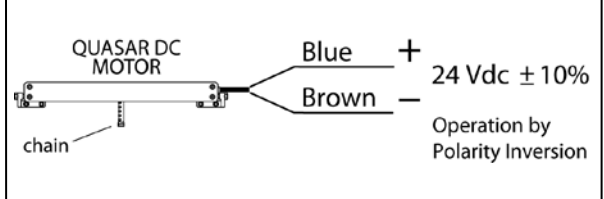


**Wiring Examples (generic, not job specific):**

**Quasar AC Power Cable 1.5 meter (59")**



**Quasar DC Power Cable 1.5 m (59")**



**Quasar Actuators from FFI** - If in-stock, items ship within 24-48 hours

paint color	Quasar DC UL 15"	Quasar DC UL 20"	Quasar AC 15"	Quasar AC 20"
gray RAL 9006	41157T	41160F	17140006	40837Z
black RAL 9005	41158V	41161H	17140007	40838A
white RAL 9010	41159X	41162K	17140008	40839B