



UL-Listed models available

### Features and Benefits

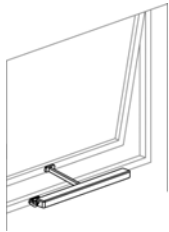
- Quasar is ideal for awning windows, hoppers, curtain wall vents and skylights.
- Multiple vents can be wired in parallel, and can be operated by building automation systems.
- 15” chain operator (and 20” by special order); self-adjusting for proper closure at installation.
- Operator has stainless steel, double-link chain for rigidity and durability.
- Operates a 48” tall/422 lb. vent; an 82” tall/722 lb. vent; or a 132 lb. skylight assembly (with 15” chain).
- Quick and easy installation of motor and sash connector for chain operator (see photo page 2).
- 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.
- 2-year UCS manufacturer’s warranty; requires installation by a licensed electrician.
- Functional Fenestration Inc (FFI) has a wide range of motors for windows, skylights, and other vents for residential and commercial applications. FFI has been providing motorized window and skylight operators since 1987, and today is an expert and leader in the motorized ventilation market.

### Specifications

	Quasar AC	Quasar DC (UL)
supply voltage	100 Vac – 240 Vac , 60 Hz (U.S. House Current Compatible)	24 Vdc ± 10%
current draw	0.4 amps – 0.2 amps	0.8 amps
power cable (59”)	4 conductors (2xload, common, ground)	2 conductors ( ± polarity inversion)
chain stroke length	15 inches (20 inches by special order)	15 inches (20 inches by special order)
chain speed	0.6 inches per second	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/UR (pending) ; CE mark	ANSI/UL/UR ; CE mark
push/pull force	66 lbs	
environment	14 to 140 degrees F (-10 to 60 degrees C); maximum relative humidity 60%	
control options	wall switch, direct digital control, 4-station keypad, remote control, environmental sensors (rain, wind, thermostat)	

**Easy Installation**

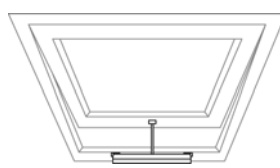
On Wall or Frame



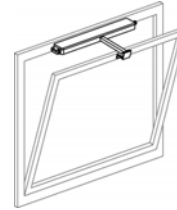
Awning



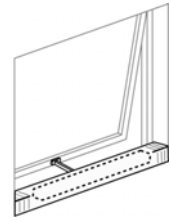
Skylight



Hopper



Concealed in Frame



- optional brackets may be required for hopper and wall mounting.
- can easily be concealed in frame or curtain wall.
- installation guide and CAD files available on request from FFI.



motor installs on sash, sill or wall

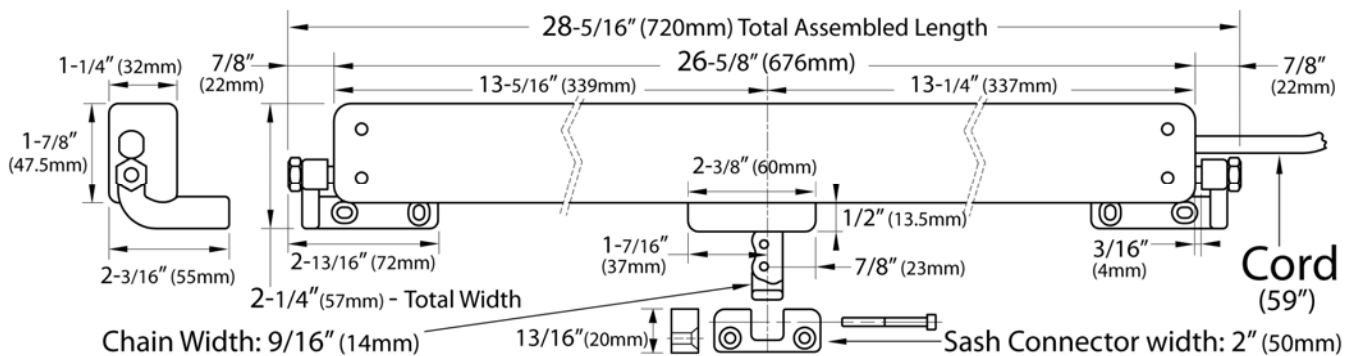


chain operator attached to frame

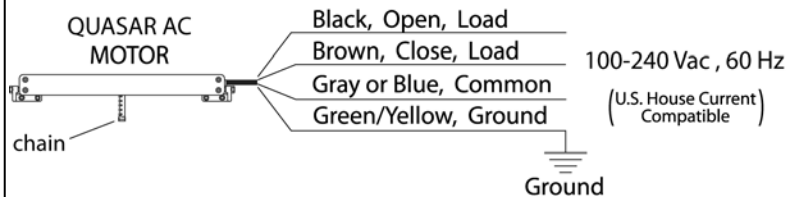


Standard pivot brackets (included)

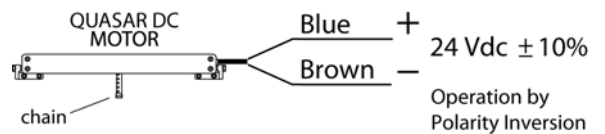
**Case Dimensions**



**Quasar AC Power Cable (59'')**



**Quasar DC Power Cable (59'')**



**Quasar Actuators from FFI**

in stock items ship within 72 hours.

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