

ELECTRICAL SPECIFICATIONS

Simu Type 5 Hz-02 Plus tubular motors, 120V – 60Hz AC. Issued for electrician bidding and installation. Motors are plug-in and are not hardwired.

Motor overview

- ★ Diameter 47 mm (≈ 2.0 in.) — fits standard commercial roller tubes.
- ★ Integrated radio receiver (Simu-Hz, compatible with Somfy RTS).
- ★ Electronic limit setting, set by remote. No hard limit switches required.
- ★ Standard 8 ft motor power cable, 3-conductor, with the antenna in the pigtail.
- ★ SPE installs a standard 3-prong plug on the end of each motor pigtail.
- ★ Built-in electric brake and thermal protection. Continuous run time ≈ 3–5 minutes.
- ★ Approvals: UL Recognized • CSA Approved • FCC Approved • IP44 rated.

The motor we use

Simu Type 5 Hz-02 Plus

Reference 2005137 • 120V – 60Hz AC • 47 mm diameter

440 in-lb

TORQUE

50 Nm

TORQUE (METRIC)

12 rpm

SPEED

250 W

POWER

2.1 A

CURRENT DRAW

3–5 min

CONTINUOUS RUN

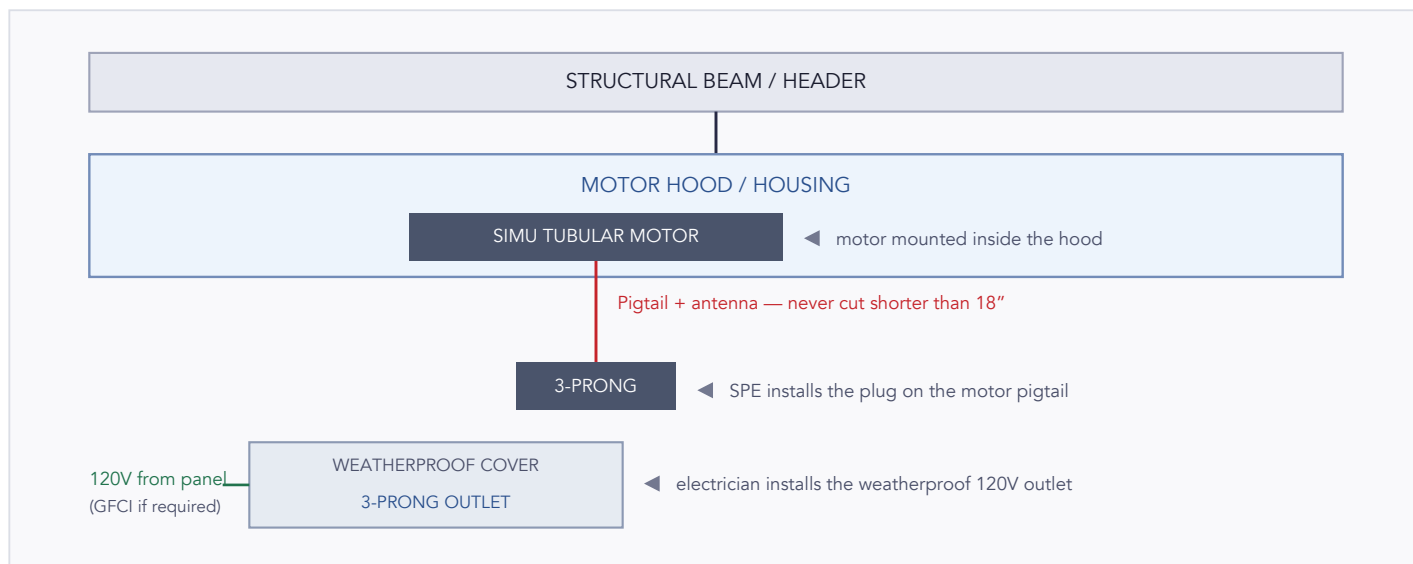
Electronic limit setting, integrated radio receiver, built-in brake and thermal protection. Other torque ratings in the same Simu family are available where a panel calls for it; the final selection is confirmed at engineering.

Typical electrical requirements (for bidding)

Item	Requirement
Power supply	120V AC, 60 Hz, single phase
Outlet	Weatherproof 3-prong receptacle with flip cover near each motor location
Circuit	Dedicated 15A or 20A circuit recommended. GFCI if outdoor or exposed.
Wire	Standard branch circuit wiring to the weatherproof outlet
Per motor load	Up to ≈ 2.1 A / 250 W on the largest models. Most panels draw 1.0–1.6 A.
Control	Wireless radio. No low-voltage control wiring required.
Motor cord	Do not shorten below 18". The antenna is in the pigtail.
Connection	Motor plugs into the weatherproof outlet. No hardwiring required.

ELECTRICAL LOCATION & CONNECTION

The electrician provides a weatherproof 120V outlet near each motor. Southern Patio Enclosures arrives with a 3-prong plug already installed on the motor pigtail and plugs in.



What the electrician installs



In-use cover, cord plugged in



Duplex, individual flip covers



Box with clear bubble cover



Single outlet, flip cover

Key points

- ★ Motors are NOT hardwired. SPE terminates the pigtail with a standard 3-prong plug.
- ★ The electrician provides a weatherproof 120V 3-prong outlet near each motor location.
- ★ Electric should be mounted above the housing mount location, within 18".
- ★ The antenna is built into the pigtail. If the cord must be shortened, keep at least 18" of the original pigtail, then add the plug.
- ★ Outdoor and damp locations require GFCI protection per NEC.
- ★ No low-voltage or control wiring is needed. The motors are radio controlled.