Specifications:

Power Supply
AC 100 to 240 V (AC 85 V to 264 V) at 50/60 Hz: 0.06 A Running, 0.02 A Holding Position

Auxiliary Switch Rating
(-A) Models One Single-Pole, Double-Throw (SPDT), Double-Insulated Switch with Silver Contacts:
AC 120 V, 5.8 A Resistive, 1/4 hp, 275 VA Pilot Duty
AC 240 V, 5.0 A Resistive, 1/4 hp, 275 VA Pilot Duty

Spring Return
Direction is Selectable with Mounting Position of Actuator:
Actuator Side A is away from damper or valve: CCW Spring Return
Actuator Side B is away from damper or valve: CW Spring Return

Rotation Range
Maximum Full Stroke: 95°
Adjustable Stop: 35 to 95° Maximum Position

Electric Stall Detection
Protects from overload at all angles of rotation

Torque
27 lb·in. (3 N·m)

Time: 90° of Rotation
Power On (Running) 24 to 28 Seconds for 0 to 27 lb·in. (3 N·m) Load, at Room Temperature
27 Seconds Nominal at Full Rated Load (0.5 rpm)
Power Off (Returning) 19 to 23 Seconds for 0 to 27 lb·in. (3 N·m) Load, at Room Temperature
22 Seconds Nominal at Full Rated Load
28 Seconds Maximum with 27 lb·in. (3 N·m) Load at -22°F (-30°C)

Enclosure
NEMA 2 (IP54) for all mounting orientations

Ambient Conditions
Standard Operating -22 to 140°F (-30 to 60°C); 90% RH Maximum, Noncondensing
Storage -40 to 185°F (-40 to 85°C); 95% RH Maximum, Noncondensing

Electrical Connections
48 in. UL 758 Type AWM Halogen-Free Cable with 18 AWG (.85 mm²) Conductors & .25 in. (6 mm) Ferrule Ends

Conduit Connections
Integral 1/2 in. (13 mm) Threaded Conduit Connector(s)

Mechanical Connections
Round Shafts 1/4 in. to 1/2 in. (6 to 12 mm)
Square Shafts 1/4 in. to 5/16 in. (6 to 8 mm)

Life Cycle
60,000 Full stroke cycles (1,500,000 repositions) at full working load at Rated Running Torque Audible

Noise Rating
Running <45 dBA at 27 lb·in. (3 N·m) Load, at a Distance of 39-13/32 in. (1 m)
Holding <20 dBA at a Distance of 39-13/32 in. (1 m)
Spring Returning <51 dBA at 27 lb·in. (3 N·m) Load, at a Distance of 39-13/32 in. (1 m)

Dimensions
Actuator Only - 6-3/8” (L) x 3-15/16” (W) x 2-1/4 (H)

Weight
Actuator Only - 2.0 lb. (2.4 lb w/ Aux. Switches)

Agency Certification
UL Listed, CCN XAPX, File E27734; to UL 60730-1A: 2003-08, Ed. 3.1, Part 2, Particular Requirements for Electric Actuators.

IMPORTANT:
Do not install multiple VAS-27 Series Actuators connected to the same mechanical load. Master-Slave application of VAS-27 Series Actuators requires that each actuator be connected to independent loads.

NOTE: WARNING: All VAS-27 Series actuators are designed for use only in conjunction with operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add safety devices or alarm systems that protect against, and/or warn of, control failure.

To avoid excessive wear or drive time on the motor, use a controller and/or software that provides a time-out function to remove the signal at the end of rotation (stall).

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the nearest Bray office. Bray controls shall not be liable for damages resulting from misapplication or misuse of its products.