

Preparing Submittals for Class 8839 ECONO-flex™ AC Drives

The submittal package should consist of a Drawing Transmittal Cover Sheet and drawing documentation as listed below. The documentation supplied to the customer is based on the horsepower, voltage, power circuit, and option requirements.

1. Drawing Transmittal Cover Sheet, 8839SM0003 (see Tab 2).
2. Controller Catalog Number Identification Sheet, 8839SM0004 (see Tab 3).
3. ECONO-flex Specification Sheets, 8839SM0005 & 8839SM0102 (see Tab 4).
4. Power Circuit Configuration and Modifications Sheet with application check boxes, 8839SM0006 (see Tab 5).
5. Approval Elementary Wiring Diagrams, 8839-450-1 through 8839-450-5 (see Tab 6, Quote to Cash, or www.SquareD.com).

Elementary Wiring Diagram No.	Power Circuit	Control Circuit
8839-450-1	W: Circuit Breaker w/o Bypass	HAND-OFF-AUTO & Speed Pot
8839-450-2	W: Circuit Breaker w/o Bypass	HAND-OFF-AUTO, Start-Stop, & Speed Pot
8839-450-3	W: Circuit Breaker w/o Bypass	Start-Stop & Speed Pot
8839-450-4	Y: Circuit Breaker w/ Bypass	HAND-OFF-AUTO & Speed Pot
8839-450-5	Y: Circuit Breaker w/ Bypass	HAND-OFF-AUTO, Start-Stop, & Speed Pot

6. Approval Enclosure Outline Diagrams, 8839-450-6 through 8839-450-13 (see Tab 7, Quote to Cash, or www.SquareD.com).

Outline & Elevation Drawing No.		Horsepower Rating and Voltage Class	
Type 1 & Type 12 Enclosures	Type 3R Enclosure	460 V	208/230 V
8839-450-6	8839-450-10	1–7.5 hp VT	1–5 hp VT
8839-450-7	8839-450-11	10–25 hp VT	7.5–10 hp VT
8839-450-8	8839-450-12	30–50 hp VT	15–25 hp VT
8839-450-9	8839-450-13	60–100 hp VT	30–50 hp VT

In some cases, a sales brochure, specifications, or a copy of the instruction bulletin may be required.

7. Sales Brochure for Class 8839 ECONO-flex AC Drives, 8800SM0101A (see Tab 8).
8. SECTION 16420-4.2, Enclosed Adjustable Frequency Drive Variable Torque HVAC Pump and Fan Applications (1 to 100 hp), Specification Number 16420-4.2 (see Tab 9).
9. Instruction Bulletin for Class 8839 ECONO-flex AC Drives, 30072-450-10 (see Tab 10).

Note: The Class 8839 ECONO-flex AC Drive is pre-engineered and marketed specifically for HVAC pump and fan applications. This binder contains all of the documentation for this product. All documents are available electronically. To download the files or order additional binders, use the Online Literature Fulfillment system, accessible from the Business Tools pull-down on the home page of the Square D Intranet.