

Preparing Submittals for Class 8839 E-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, 8839SM0601 (see Tab 2).
2. E-Flex™ Product Data Bulletin, Specification Data, 8839DB0701 (see Tab 3).
3. Approval Elementary Wiring Diagrams, 8839-071-1 through 8839-079-1 (see Tab 4, Quote to Cash, or www.SquareD.com).

Elementary Wiring Diagram No.	Power Circuit	Control Circuit
8839-071-1	Y: Circuit Breaker with Bypass	HAND-OFF-AUTO, Start-Stop, and Speed Potentiometer
8839-072-1	Y: Circuit Breaker with Bypass	HAND-OFF-AUTO and Speed Potentiometer
8839-073-1	W: Circuit Breaker without Bypass	HAND-OFF-AUTO, Start-Stop, and Speed Potentiometer
8839-074-1	W: Circuit Breaker without Bypass	Start-Stop and Speed Potentiometer
8839-075-1	W: Circuit Breaker without Bypass	HAND-OFF-AUTO and Speed Potentiometer
8839-078-1	Y: Circuit Breaker with Bypass	HAND-OFF-COMM, Start-Stop and Speed Potentiometer
8839-079-1	W: Circuit Breaker without Bypass	HAND-OFF-COMM, Start-Stop and Speed Potentiometer

4. Enclosure Outline Diagrams, 8839-250-A through 8839-252-B (see Tab 5, Quote to Cash, or www.SquareD.com).

Outline and Elevation Drawing No.		Horsepower Rating and Voltage Class	
Type 1 and Type 12 Enclosures	Type 3R Enclosure	460 V	208/230 V
8839-250-A	8839-252-A	1–7.5 hp VT	1–5 hp VT
8839-250-B	8839-252-B	10–25 hp VT	7.5–10 hp VT
8839-251-A	8839-253-A	30–50 hp VT	15–25 hp VT
8839-251-B	8839-253-B	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.

5. E-Flex™ Enclosed Drive Controllers Brochure, 8800BR0501 (see Tab 6).
6. Specifications for Centrifugal Pump and Fan Applications, Specification Number 16420-4.2 (see Tab 7).
7. E-Flex™ Adjustable Speed Drive Controllers Instruction Bulletin, 30072-451-51A (see Tab 8).

Note: The Class 8839 E-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.

