



## **Benshaw Rsi005S44W Sensorless Vector Drive 0-380-460 3Ph**

The **Benshaw RSI005S44W Sensorless Vector Drive** is a high-performance, sensorless AC motor drive designed for demanding industrial applications. Built to deliver precise control and efficient operation, this drive supports both standard duty (SD) and heavy duty (HD) ratings. Operating at input voltages between 380–460V AC three-phase, the RSI005S44W provides flexible speed and torque control for motors without requiring an external feedback sensor, making it ideal for conveyors, pumps, fans, and general automation tasks.

### **Key Features:**

- Sensorless vector control for accurate motor speed and torque regulation
- Operates with 380–460V AC input, 3-phase, 50/60Hz with  $\pm 15\%$  voltage tolerance
- Supports SD and HD ratings for versatile load handling
- Robust NEMA Type 4X enclosure for harsh environments
- Compact design with reliable thermal performance and user-friendly configuration

### **Specifications:**


- Product Name: Benshaw RSI005S44W Sensorless Vector Drive
- Model: RSI005S44W | Series: RSI S4
- Enclosure Type: NEMA 4X


- Motor Horsepower: SD: 5.0 HP | HD: 3.0 HP
- Input Voltage: 380–460V AC  $\pm 15\%$ , 3 Phase, 50/60Hz
- Input Amps: SD: 12.08 / 8.8 A | HD: 7.2 / 5.6 A
- Output Voltage: 0–380/460V AC, 3 Phase
- Output Amps: SD: 8.9 / 7.6 A | HD: 5.1 / 4.8 A
- Torque: 0.5 N·m (4.4 in-lbs)
- Certification: UL Listed (E132978)
- Additional IDs: C121116948
- Origin: Made in U.S.A.
- Weight: 7.670 kg

Engineered for precision and durability, the Benshaw RSI005S44W delivers powerful, low-maintenance motor control in a rugged package. It is an excellent choice for industries requiring reliable performance, minimal setup, and reduced dependency on encoder feedback systems.

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