Dedicated for Fan Coil Unit (FCU) in chilled water systems **EC Brushless Motor Energy-saving and carbon reduction Green energy : Open-source & Efficiency Dual-axis DC brushless motor** ESG commitment drives corporate sustainability. FCU102/103-12311 FCU fan upgraded Tri-speed input signal with visible LED indicator to DC EC motor ◆ 3 voltage inputs (110V/220V/277V AC) - one unit fits all Saves 40+% Energy Stepless static pressure adjustment (high/low) Vibration-proof & IP55 splash-proof - safe for fan cleaning EC (Electronically Commutated) Can be integrated with our IQ-500 series products for DDC digital network Scan this QR-Code - the most efficient motor technology, control (Direct Digital Control). also called BLDC motor. Powerful Advantages SIT: 3 Easiest retrofit solution Keeps old thermostat 3-speed for all pressures Compatible with AC motors for direct The original AC thermostat can be Three-stage fan speed (adjustable replacement-ideal for repairs and retained, and the original control rotation speed to meet high and replacements. system remains unchanged. low static pressure demands). 117 (III) £07: 5 6 4 Ultra-quiet motor Proudly made in Taiwan ! Metal protective conduit EC Motor : 40-80% energy savings Power cord with metal protective Resin-sealed motor body with (low temp/speed). conduit, compliant with building high-efficiency drive design, regulations. ensuring quieter and low-noise operation indoors. Single-axis LED **DC** brushless motor FCU102/103-60311 Anti-vibration design **Stepless static** pressure adjustment LED \bigcirc uuuuuuuuuuuuuuuuu Static Pressure Control Ultra-long lifespan (excluding bearing life)

(FCU103 without)

with enhanced energy efficiency.

• Storage Temperature : -25°C to 80°C

Protect the Earth, advocate the use of renewable energy

Control methods

- · Speed switching : three speed levels for control.
- · Signal input pin positions :
 - (1) H SPEED to COM
 - (2) M SPEED to COM
 - (3) L SPEED to COM
- Input signal format : AC90~264V
- Input signal frequency range : 50~63Hz

Product specifications **>>**

- · Input characteristics :
- (1) Dual-axis BAA02043 : 120W / 110V \ 220V \ 277V
- (2) Single-axis BAA02045 : 60W / 110V \ 220V \ 277V
- Motor shaft height : 105mm±2
- The motor is sensorless and has overcurrent protection; it has a Class B insulation rating.
- · The motor drive technology uses sinusoidal wave control, with a drive frequency of 20kHz.
- **Airflow variation** 30% - 115% ltem Minimum Nominal Maximum Unit Input voltage 110 220 277 VAC Enter frequency 50~63 Ηz

Speed selection Static

RPM

pressure mode

Input current Dual-axis<2 Single-axis<1 А Dual-axis<160 Single-axis<90 Input power W 350~1050 Scope of treaty r.p.m **Operating temperature** -20~50 °C **Dielectric strength** DC500V/100MΩ1 MΩ

Three-speed RPM gauge

Μ

800

(600~950)

L

420

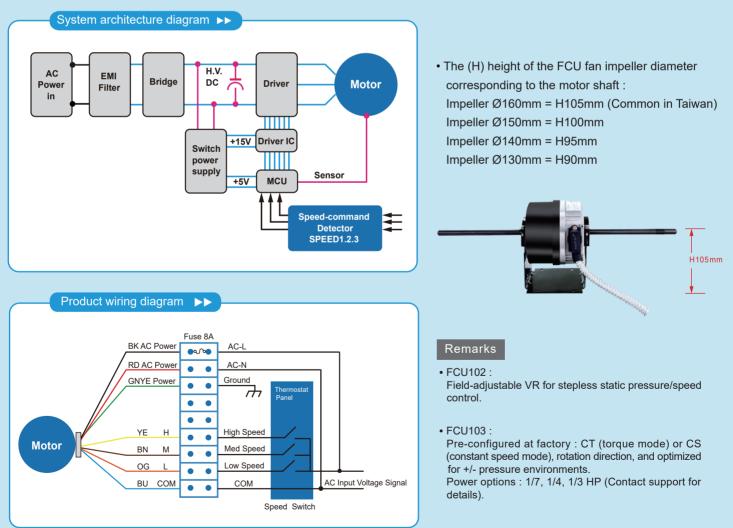
(300~700)

Η

1050

(800~1150)

• Applicable range : This product includes a driver and a DC brushless motor, suitable for DC motor applications.



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