



Engine Air Control System

EACS

The Evolution of Engine Air Conditioning

CFR Engines Inc. offers the Engine Air Control System (EACS) for precise management of engine intake air and auxiliary cooling.

Users can rely on the factory design and performance of a complete octane test package, when the Engine Air Control System is paired with a CFR® F1/F2 unit and CFR recommended exhaust components.

Compliance

The Engine Air Control System is compliant to all procedures of the current ASTM Methods:

D2699 – Research Octane Number

D2700 – Motor Octane Number

D2885 – Online Test Method

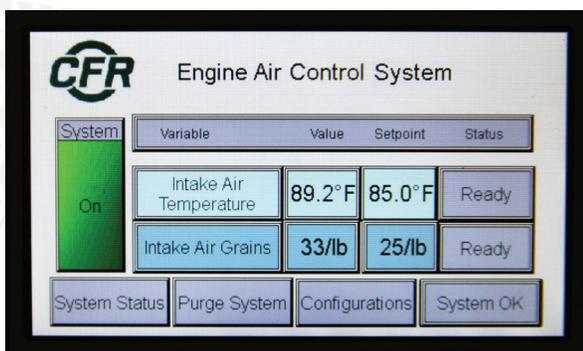
Reliability

Our highly engineered systems and well-designed construction result in performance that will consistently meet engine air specifications for many trouble-free years.

Accuracy

The EACS provides precise control of engine intake air temperature and humidity that are critical to meeting the precision of a documented and defensible Octane Number test.

- High capacity design to accommodate a broad range of ambient temperatures and relative humidities
- Operates seamlessly with XCP® Technology or as a stand-alone system
- Industrial grade components and construction for extended life
- Built in on-board system diagnostics as well as data recording capability when paired with XCP Technology.



Complete System Offerings by CFR

An Engine Air Control System by CFR Engines Inc. delivers precise management of intake air temperature and humidity; easily integrated with CFR F1/F2 Units to form an overall package for producing the most reliable Octane Number.

Like all CFR Engines Inc. products, the Engine Air Control System embodies industrial grade design. Whether it be the pumps, metal work, controls, or temperature/humidity management systems, you can trust that the product has been designed to provide years of reliable and consistent service.

The Engine Air Control System is available as a CFR Genuine Part or with any new unit.



Configurations

Add-on service part:
p/n G-840-11

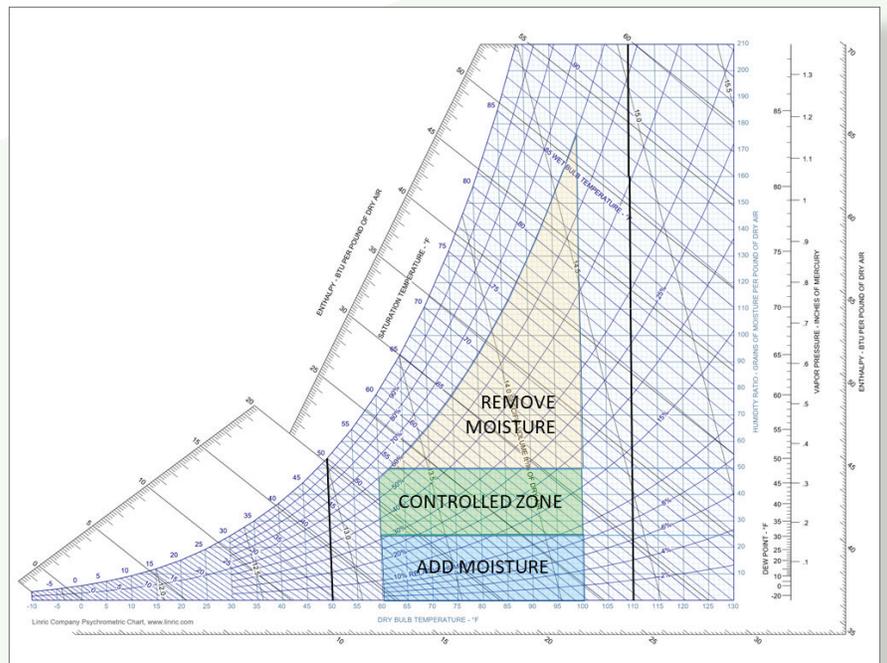
Smart PLC Control

- Leverages XCP Technology
- Built-in system diagnostics
- Touch screen digital panel
- Data collection for XCP report

Specifications

- **Power Supply** = 200 - 220 VAC, 1 Ph, 25 Amp dedicated circuit for 50 Hz and 208-230 VAC, 1 Ph, 25 Amp dedicated circuit for 60 Hz
Power supply VAC ranges listed are the absolute minimum and maximum for proper functioning.
- **Water Supply** = 1/4 inch NPT
- **Condensate Drain** = 1/4 inch NPT
- **Approximate H x W x D:**
152 cm (60 in) x 64 cm (25 in) x 53 cm (21 in)
- **Carburetor Coolant Temp.** = 33-44°F (0.6-10°C)

Design operating range of 60-100°F (16-38°C) and 10-60% relative humidity, is needed for reliable rating per ASTM methods. Environments outside these ranges will need modifications to condition the air to meet the temperature and / or relative humidity ranges listed.



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Form C420 Revision C

