QUAD® 2000 CONTROL
The most advanced microprocessor control system.

The Turbo Air® 3000 Compressor features Cooper Turbocompressor's exclusive QUAD® 2000 microprocessor control as standard equipment for maximum ease of use and compressor efficiency.

The QUAD® 2000 control panel features a user-friendly, four-line LCD display to provide you with over 200 items of information with the touch of the keypad. The combination load/unload and constant pressure control system provides optimum efficiency regardless of system demand.

Standard Control Panel Features

- Auto/Dual Control
- Motor Overload Protection
- Surge Protection
- NEMA IV Enclosure
- Access Code Protection

Optional Control Panel Features

- Constant Pressure Control
- Signal for Automatic Oil Pump Control
- Automatic Condensate Control
- Dry Contacts for Alarm and Trip
- Visual Alarm and/or Trip Indication
- Remote Permissive Start Indication
- Remote Control Indicator
- Panel Cooler
- Auto Start/Auto Stop
- UL Approval

SysteMiser® Multiple Compressor Control

Multiple compressor control and monitoring sub-system that can coordinate up to eight individual machines.

X-Link™ Communications Gateway

The X-Link™ communications adapter allows thirty QUAD® 2000 control panels to communicate with an array of industrial networks. Your computer system will be able to control compressor starting, stopping, and adjusting setpoint levels. Some of the benefits of X-Link™ include:

- A reliable, off-the-shelf solution for plant networking.
- Allows remote monitoring.
- On-Line monitoring and diagnostics available.
- Field configurable/upgradeable.
- Supports major industrial PLC networks including Modicon, Ethernet, GE Fanuc, and many others.

CommLINK

Remote monitoring by PC for up to eight compressors.

QUAD® 2000 CONTROL PANEL MONITORING FUNCTIONS	Readout	High Level		Low Level		Faulty Sensor	
		Alarm	Trip	Alarm	Trip	Alarm	Trip
Item							
Final stage inlet air temp.	X	X	X			X	
System air pressure	X					X	
Oil pressure	X	X		X	X	X	
Oil temperature	X	X	X	X	X	X	
First stage vibration level	X	X	X				X
Main motor current	X						X
Power supply voltages	X	X		X			
Total running time	X						
Calendar/Clock	X						

Optional Monitoring Functions

- Discharge Air Pressure
- Additional Vibration Channels
- Additional Temperature Detectors
- Oil Filter Pressure Drop
- Oil Level Switch