

## MODEL SLOC-GB

### Description

The sLOC-GB™ local control panels are versatile for any geared blower application and the design provides simplicity without sacrificing configurability. Control of the blower can be manual or automated and the system easily integrates with a master control panel or plant SCADA.

Lone Star Blower and Compressor has developed state of the art surge prediction and detection algorithms which are included with every sLOC-GB™ local control panel. Combined with active surge avoidance techniques, these added protections surpass what is offered by other market participants and ensure maximum reliability and system up-time.

### Control Options

Control Methods	Inlet Guide Vane, Discharge Guide Vane, Speed, Blow-off Valve
Control Modes	Capacity %, Discharge Pressure, Unloaded, Other Processes Available

### Available Protections & Functionality

Active Surge Avoidance
Surge Prediction & Detection
Full Blower Monitoring
Automatic & Manual Auxiliary System Controls

### Documentation, Testing & Startup Services

Operation Manuals
System Integration Support Documents
Factory Acceptance Testing (witnessed available)
Installation Support
Commissioning & Training

### Standard Panel Specifications\*

\*Customization may affect the standard listed specifications

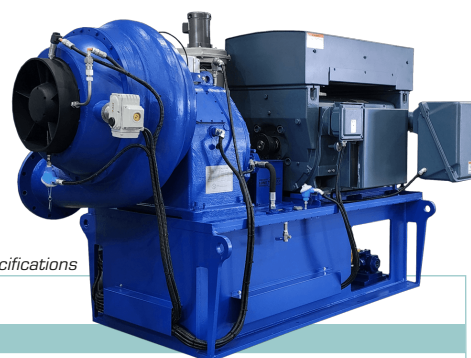
Approvals	UL/ULC 508A
Warranty	Lifetime Warranty with Standard Hardware
Enclosure Size	60H x 36W x 10D
Enclosure Rating	TYPE 4
HMI	10" Phoenix Contact WP 6101-WXPS
<b>PLC</b>	
Model	Phoenix Contact PLCnet AXC F 3152
Programming Software	PLCnext Engineer (Free Software)
CPU	IntelAtom™ x5-E3930, 2x 1.3GHz
Internal Memory	1GB
Expansion Memory	SD Card - 2GB
Communications	ProfiNet, EtherNet/IP, Modbus TCP, MQTT, OPC UA (more options available)
Ethernet Connections	x3 RJ45
Operating Temperature	-25°C to 60°C
<b>I/O</b>	
Discrete Inputs	x32
Discrete Outputs	x16
Analog Inputs	x16
Analog Outputs	x4
RTD Inputs	x16

### Other Product Features

E-Stop & Pilot Devices
High-Resolution Analogs
LED Fuse Blocks
120V Convenience Outlet
Lockable Disconnect (480V)
Electrical Surge Protection
Isolated Instrument Grounds

### Available Options

Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)
Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)
Type 4X or Type 12 Enclosure
Hinged HMI Cover
Interior Light
Alarm Beacon or Siren
Pilot Devices - Push Buttons, Switches, or Indicator Lights
Ethernet Switch - Managed or Unmanaged
Cooling - Fans, Vortex Cooler, or Panel Mount A/C
Panel Heater
Purge Systems
Other Approval Ratings



\* Information is approximate and can change without notice

\* Air Performance Based on 1 Atm, 68F/20C, 36% RH and 3550 rpm