

**PORTABLE FORCED AIR
LP GAS HEATER**

Illustrated Parts List

GCH-23

Issued: July, 1990

**C155LP
BLP155
VLP155
RLP155
AC155LP**

IMPORTANT: Do not use key numbers when ordering service parts. Always order components by part number and description. Include model and serial numbers.

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		Upper Shell	1	30	M12461-13	ScREW, #8-32 x 1/4"	1
2	M1582327	Screw, #10-16 x 1/2"	8	31	M51104-01	Handle	1
3	098512-28	Combustion Chamber Kit	1	32	M11084-29	Screw, #10-16 x 3/4"	2
4	099138-01	Nozzle	1	33	097964-03AA	Fan Guard	1
5	099133-01	Ignitor	1	34	098138-02	Motor & Relay Support Bracket Assy.	1
6	M11084-38	Screw, #8-18 x 3/8"	2	35	M11143-1	Strain Relief Bushing	1
7	09934-01	Fuel Tube Kit	1	36	098219-17	Power Cord	1
8	097806-02	Ignitor Cable	1	37	M50631	Rubber Bumper	2
9	M51108-01	Heat Shield	1	38	NTC-4C	Lock Nut	2
10	M51153-01	Fan	1	39	099157-01	Break Mandrell Rivet, 3/16"	1
11	099131-01	Motor	1	40	099125-01	Terminal Board	1
12	097776-01	Universal Bushing	1	41	M12461-25	Screw, #10-32 x 1/4"	2
13	078978-01	Sleeve Cap	1	42	M9900-170	Wire Assembly	2
14	M51572-02	Male Connector	1	43	M11271-8	Clip Nut	8
15	099132-01	Solenoid Valve	1	PARTS AVAILABLE – NOT SHOWN			
16	097966-04AA	Base	1				
17	M51605-02	DSI Control	1		LPA3070	Regulator & Hose Assembly	1
18	097968-04	Screw, #8-32 x 1"	2		LPA1010	10' Hose Assembly	1
19	NPC-2C	Hex Nut, #8-32	2		LPA2100	Regulator	1
20	M11084-27	Screw, #10-16 x 1/2"	10		LPA4020	Fuel Gas Connector	1
21	M50104-05	Shorty Bushing	1		HA1210	Thermostat	1
22	M50104-04	Shorty Bushing	1				
23	097952-03	Thermal Limit Switch Assembly	1				
24	097968-01	SCREW, #4-40 X 1/4"	2				
25	NPC-00C	Hex Nut, #4-40	2				
26		Lower Shell	1				
27	097965-02AA	Side Cover	1				
28	098226-01	On/Off Switch	1				
29	098136-01	Relay	1				



The diagram illustrates the electrical wiring for a 120 VAC system. The components and their connections are as follows:

- Power Cord:** Provides 120 VAC input. The white wire connects to the neutral line, and the black wire connects to the main power line.
- On/Off Switch:** Controls the main power. The black wire from the power cord passes through the switch before reaching the fuse.
- Fuse:** Protects the circuit. The black wire passes through it before reaching the automatic ignition system.
- Automatic Ignition System:** A central control unit with terminals labeled G, V, VR, AC, and RAC.
 - The **Green** wire from the power cord connects to the **G** terminal.
 - The **White** wire from the power cord connects to the **V** terminal.
 - The **Black** wire from the power cord connects to the **VR** terminal.
 - The **Black** wire from the power cord connects to the **AC** terminal.
 - The **White** wire from the power cord connects to the **RAC** terminal.
- Solenoid Valve:** Receives power from the **Blue** wire, which is connected to the **Blue** terminal of the automatic ignition system.
- Ignitor:** Receives power from the **Orange** wire, which is connected to the **G** terminal of the automatic ignition system. The ignitor is grounded.
- Motor:** Receives power from the **Black** wire, which is connected to the **S or 2** terminal of the automatic ignition system. The motor is grounded.
- High Temperature Switch:** Controls the solenoid valve. The **Blue** wire from the solenoid valve passes through the switch before returning to the power cord.
- Insulated Connector:** Connects the **Blue** wire from the high temperature switch to the power cord.

Output Rating (BTU/Hr)	150,000
Fuel	Propane Vapor Only
Fuel Consumption	
Gallons/Hour	1.6
Pounds/Hour	7
Supply Pressure To Regulator	
Minimum (for input adjustment)	10 psi
Maximum	Tank Pressure
Regulator Outlet Pressure (Factory Preset)	12.5" W.C.
Manifold Pressure	9.8" W.C.
Hot Air Output (CFM Approx.)	550
Motor	3430 RPM, 1/8 H.P.
Electric Input	120V/60Hz
Amperage	2.2
Ignition	Direct Spark, Interrupted Type
Ignitor Gap (Inches)	13/15
Weight (Pounds)	
Heater	24
Shipping	35
Size - L x W x H (Inches)	36.25 x 14.5